



**Ministry of Energy & Mines**  
 Energy & Minerals Division  
 Geological Survey Branch

**ASSESSMENT REPORT  
 TITLE PAGE AND SUMMARY**

<b>TYPE OF REPORT (type of survey(s))</b>	<b>TOTAL COST</b>	<b>\$223,265.72</b>
Geochemical sampling		

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

NOTICE OF WORK NUMBER(S) / DATE(S) \_\_\_\_\_ YEAR OF WORK 2011

STATEMENT OF WORK – CASH PAYMENT EVENT NUMBERS / DATE(S) 5010014

PROPERTY NAME BM

CLAIM NAME(S) (on which work was done) \_\_\_\_\_  
 BM4 540563; BM6 540583; BM7 540602; BM8 540603; BM9 540622; BM10 540623; BM11 540643; BM12 540644

COMMODITIES SOUGHT Epithermal precious metals

MINERAL INVENTORY MINFILE NUMBERS, IF KNOWN \_\_\_\_\_

MINING DIVISION Nicola, Similkameen NTS 092H/15 TRIM 092H076, 086

LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_ (at centre of work)

NORTHING 5157000 EASTING 651000 UTM ZONE 10 MAP DATUM NAD 83

OWNER 1 Eastland Management Ltd. OWNER 2 \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_  
5215 – 6<sup>th</sup> Avenue  
Delta, B.C. V4M1L6

OPERATORS (who paid for work) \_\_\_\_\_  
Vatic Ventures Corp.

MAILING ADDRESS \_\_\_\_\_  
318 - 1008 Homer Street  
Vancouver, B.C. V6B 2X1

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size, attitude)  
The BM property is underlain by the Cretaceous Spence Bridge Group volcanics. Work consisted on rock sampling, silt sampling and road and grid soil sampling. Two target areas were identified from the road soil sampling. A grid was established on one of the areas. A linear multi-element soil anomaly was identified for follow up.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS  
28926, 29559, 30474

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	3153	BM7-12
Silt	11	BM6-9,12
Rock	66	BM4, 6-12
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	\$223,265.72
------------	--------------

# **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

2011 SUMMARY REPORT

BM PROPERTY

Located in the  
Princeton Area, British Columbia

Nicola and Similkameen Mining Division  
TRIM Sheets 092H076, 092H086  
UTM (NAD 83) ZONE 10 651000 5157000

FOR

**Vatic Ventures Corp.**  
318 - 1008 Homer Street  
Vancouver, British Columbia  
V6B 2X1

R. Tim Henneberry, P.Geol.

December 5, 2001

**BC Geological Survey  
Assessment Report  
32806**

-2-  
SUMMARY

Vatic Ventures Corp. is earning a 100% interest, subject to a 1.5% net smelter return (NSR) royalty in the BM property, an epithermal precious metal project. The property is currently 100% owned by Eastland Management Ltd., a private British Columbia corporation that is arm's length to Vatic Ventures Corp. The road accessible BM property lies 33 kilometres southwest of Merritt, British Columbia and consists of 14 claims totaling 7176 hectares.

The BM property is underlain by 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.

Vatic Ventures Corp. completed a two Phase exploration program on the BM property during 2011 to test the two key areas on the property: Target Area 1 and Target Area 2. Phase I consisted of road soil sampling, stream sediment sampling, rock sampling and prospecting. Phase II consisted of a 2600 metre by 2700 metre soil grid on Target Area 1.

The Phase I program was successful in locating continuous to semi-continuous areas of anomalous soil values from roads cutting through the two target area. However, the 2011 soil grid was established over Target Area 1 because of wider spread road soil mineralization, anomalous stream sediment geochemistry from the creek draining the area and the presence of an 11,260 ppb Au float sample in the area.

Sampling on the 2011 soil grid was successful in locating a 900 metre to 2000 metre long by 25 metre to 50 metre wide multi-element anomaly on the east central portion of the grid. A sample of rounded rhyolite quartz breccia float in the area returned 97.3 ppb Au.

The BM property warrants further exploration for epithermal precious metals deposits. Two targets have been identified: road soil and rock sampling results from the Target 2 Area and a multi-element northeast trending linear soil anomaly in the 2011 soil grid at Target 1.

Prospecting and mapping should be directed at the northeast trending linear anomaly on the 2011 soil grid. A 1500 metre wide by 1800 metre long soil grid is recommended for the Target 2 Area. Lines will be spaced at 100 metres and sampled at 25 metre intervals along the lines. This will result in the collection of 1159 soil samples. The total budget is estimated at \$110,000.



TABLE OF CONTENTS

SUMMARY ..... 2  
INTRODUCTION .....4  
RELIANCE ON OTHER EXPERTS .....4  
PROPERTY DESCRIPTION AND LOCATION .....5  
ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY.....7  
HISTORY .....8  
GEOLOGICAL SETTING .....10  
    Spences Bridge Group.....11  
    BM Property Geology.....14  
DEPOSIT TYPES .....15  
MINERALIZATION .....16  
EXPLORATION .....18  
DRILLING .....23  
SAMPLE PREPARATION, ANALYSES AND SECURITY .....23  
DATA VERIFICATION .....24  
ADJACENT PROPERTIES.....25  
MINERAL PROCESSING AND METALLURGICAL TESTING .....25  
MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES.....25  
OTHER RELEVANT DATA AND INFORMATION.....25  
INTERPRETATION AND CONCLUSIONS.....25  
RECOMMENDATIONS .....26  
REFERENCES.....27  
CERTIFICATE OF QUALIFIED PERSON .....29

LIST OF FIGURES

Figure 1: Location Map- BM Property .....5  
Figure 2: BM Property- Claim Location Map (092H076, 092H086).....7  
Figure 3: BM Property- Regional Geology .....10  
Figure 4: Spences Bridge Group Location .....12  
Figure 5: Property Geology- BM Property .....14  
Figure 6: BM Property- Anomalies.....17  
Figure 7: BM Property- Silt Samples With Au ppb ..... pocket  
Figure 8: BM Property- Rock Samples With Au ppb ..... pocket  
Figure 9: BM Property- 2011 Road Soil Samples With Au ppb ..... pocket  
Figure 9a: BM Property - Road Soil Sampling Highlights.....21  
Figure 10: Grid Soil Samples With Au ppb ..... pocket  
Figure 11: Grid Soil Samples With Ag ppm ..... pocket  
Figure 12: Grid Soil Samples With Mo ppm ..... pocket  
Figure 12: Grid Soil Samples With Sb ppm ..... pocket  
Figure 14: Grid Soil Samples With Se ppm ..... pocket

LIST OF TABLES

Table 1: List of Tenures .....6  
Table 2: Agreement Terms.....6  
Table 3: 2011 Sampling Statistics .....18  
Table 4: 2011 Rock Sampling Summary.....19  
Table 5: Grid Soil Sampling Statistics .....22  
Table 6: CDN Standard Performance.....24

LIST OF APPENDICIES

Appendix 1: Statement of Costs.....30  
Appendix 2: Soil and Rock Sampling Tables .....  
Appendix 3: Assay Certificates.....

## INTRODUCTION

The purpose of this Technical Report is to compile all of the exploration data from the 2011 Phase I and Phase II exploration programs for assessment credits and make recommendations for further work. This report was commissioned by Mr. Nasim Tyab, CEO of Vatic Ventures Corp.

Vatic Ventures completed two phases of exploration on the BM property in 2011:

- A phase I prospecting, silt, rock and soil sampling program at a cost of \$50,144.28
- A phase II prospecting and soil sampling grid program on the Target II at a cost of \$173,121.44

A total of \$210,000 of assessment credit was filed on 15-September-2011 as Event Number 5010014.

R. Tim Henneberry, P.Geol. serves as the Qualified Persons responsible for preparing this Technical Report. In preparing this report, the author relied on geological reports listed in the References (Section 21) of this report and his previous experience related to exploration of low sulphidation gold deposits within the Spences Bridge Group in British Columbia.

The author visited the site for one day on August 13, 2011 to review phase I anomalies.

## 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 BM property consists of 14 claims totaling 7126 hectares. The claims were acquired by map staking under the British Columbia provincial Mineral Titles Online system. The property is located approximately 33 kilometres southwest of the town of Merritt and lies on TRIM sheets 092H076 and 092H086 which lie on portions of National Topographic System map sheet 092H in the Nicola and Similkameen Mining Divisions. The centre of the property is situated at 5157000 North 651000 East in Universal Transverse Mercator Zone 10 in the datum of NAD 83 (Figure 1).

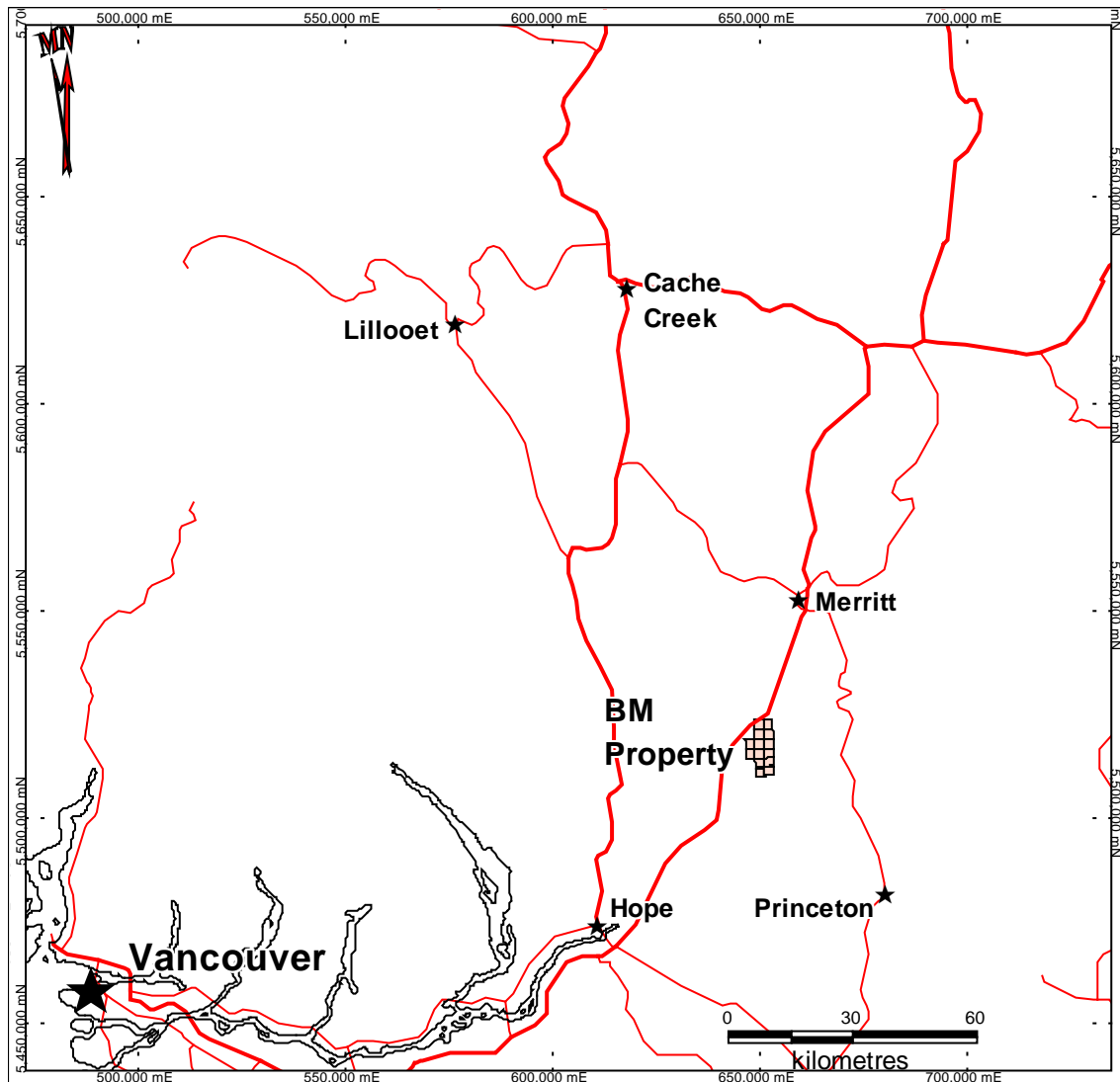


Figure 1: Location Map-BM Property

The claims are registered in the name of Frances Jean Macpherson who is holding them in trust for Eastland Management Ltd.

Table 1. List of Tenures

Tenure Number	Claim Name	Owner	Map Number	Good To Date	Area (ha)
740542	BM2	116548	092H	2014/Jan/31*	501.2008
740543	BM1	116548	092H	2014/Jan/31*	438.5327
740562	BM3	116548	092H	2014/Jan/31*	500.9794
740563	BM4	116548	092H	2014/Jan/31*	521.8584
740582	BM5	116548	092H	2014/Jan/31*	521.6365
740583	BM6	116548	092H	2014/Jan/31*	521.6382
740602	BM7	116548	092H	2014/Jan/31*	521.4144
740603	BM8	116548	092H	2014/Jan/31*	521.416
740622	BM10	116548	092H	2014/Jan/31*	521.1936
740623	BM9	116548	092H	2014/Jan/31*	521.1921
740643	BM11	116548	092H	2014/Jan/31*	520.9673
740644	BM12	116548	092H	2014/Jan/31*	520.969
740662	BM13	116548	092H	2014/Jan/31*	521.4182
740663	BM14	116548	092H	2014/Jan/31*	521.6401
					7176.0567

\*subject to approval of 2011 assessment credits

Vatic Ventures Corp. is earning a 100% interest, subject to a 1.5% Net Smelter Return (NSR) royalty under the following payment and work schedule. The agreement is not subject to any work requirements:

Table 2. Agreement Terms

Payments		
Date	Cash	Shares
On signing	\$15,000	
5 business days after acceptance for filing by TSX Venture Exchange	\$15,000	1,000,000
1 <sup>st</sup> anniversary of acceptance		300,000
2 <sup>nd</sup> anniversary of acceptance		500,000
Totals	\$30,000	1,800,000

To the best of the author's knowledge, the BM property is on crown land. To the best of the author's knowledge, the BM property is not subject to any environmental liabilities. A permit is not required to conduct soil, silt and rock sampling programs, while an exploration permit acquired through the filing of a Notice of Work is required for mechanical trenching and diamond drilling programs. According to the British Columbia Ministry of Energy, Mines and Petroleum Resources website the permitting process for trenching and drilling programs should be within 3 to 6 months. The authors are not aware of any other significant factors and risks that may affect access, title, or the right or ability to perform work on the property

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND  
PHYSIOGRAPHY

The BM property lies 33 kilometres southwest of Merritt, British Columbia. The claims are readily accessible south from Merritt on Provincial Highway 5 to Exit 256 and then via the road through Brookmere towards Tulameen along the route of the Kettle Valley Rail Line. The southern area of the property is accessible by the Thyme Mtn., Brook Creek and McPhail logging roads and their subsidiaries; the northern area of the property is accessible by the Shovelnose Forestry road. Brookmere is a residential hamlet located in the northern part of the property. There are no amenities in Brookmere.

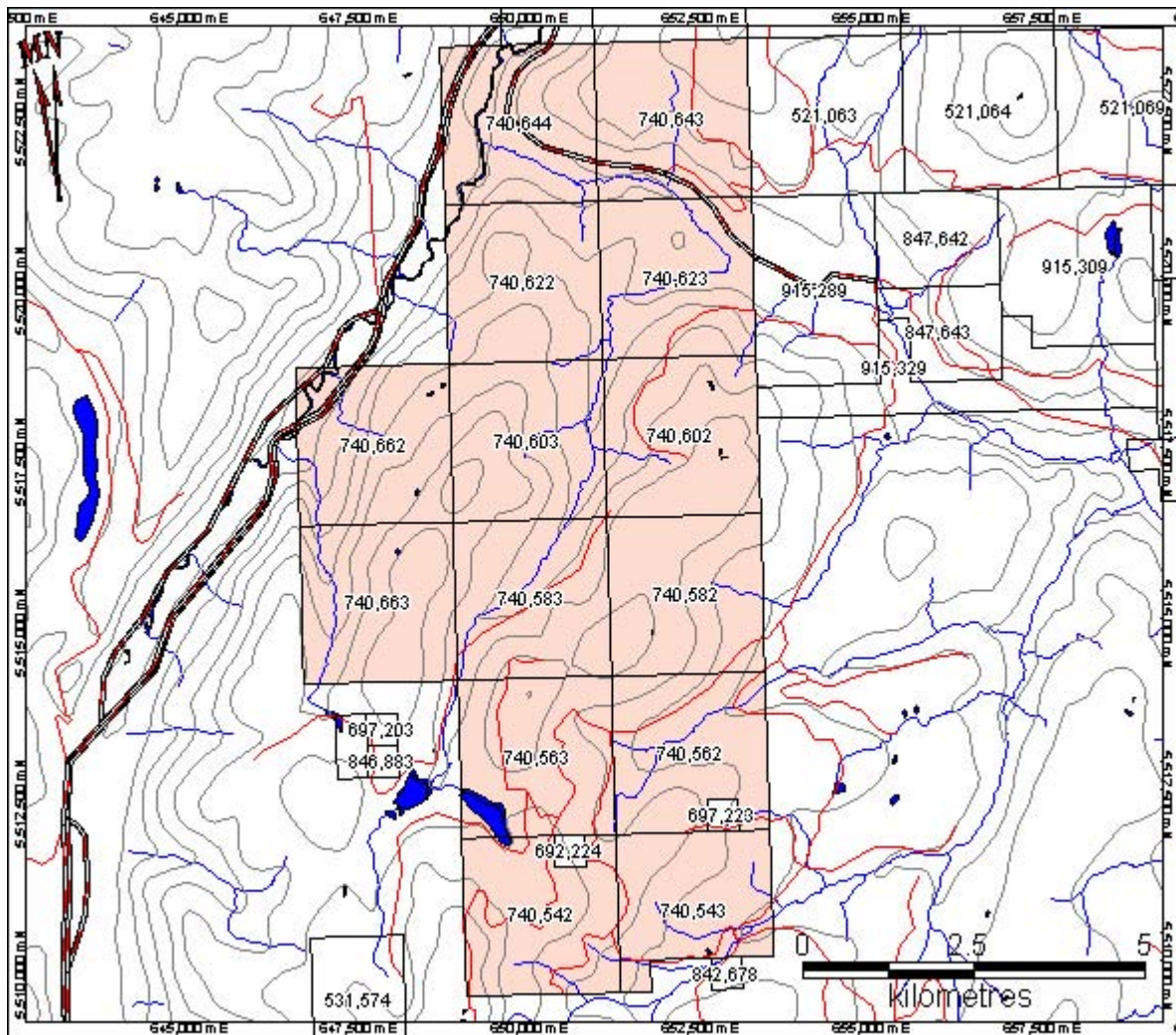


Figure 2: BM Property - Claim Location Map (092H076, 092H086)

The area lies within the gently rolling uplands of the Thompson Plateau, mostly lying between 1200 metres and 1500 meters above sea level (ASL) with a small peaks reaching 2020 meters ASL and rivers incised down to 1050 meters ASL. The major drainages are Spearing Creek in the north part of the property, Brook Creek in the west and northwest and McPhail Creek in the south. Several areas on the property have been logged, with the most recent and extensive logging being done in the south. The remaining forested areas consist of open stands of fir and pine. The north side of Spearing Creek lacks forest cover, with only grasses and deciduous shrubs being present.

Gravel roads provide fairly reasonable access to the ground on the claim block. Although suitable for most vehicles these roads are best traversed by ATV's.

In this part of the province the climate is typical for the southern interior of British Columbia. Summers are generally warm and dry and winters are cold with significant snow accumulations. Temperatures can dip to minus 20 Celsius for extended periods.

Logistics for working in this part of the province are excellent. Gravel road access will allow the easy movement of equipment and supplies to the property. Heavy equipment is available in Merritt, Kamloops and Cache Creek. Hydro is available into Brookmere. Depending upon the type of exploration, the field season generally runs from late April to early November.

## HISTORY

The Brookmere property lies within the Spences Bridge Gold Belt (SBGB), a northwest trending belt of Cretaceous volcanics of island arc affinity, in south central British Columbia. The SBGB stretches from Princeton northwestward to Lillooet with smaller outliers continuing further northwestward to Gang Ranch. The claims were previously owned by Almaden Minerals Ltd.

The SBGB has been continuously explored since the initial discovery of low sulphidation epithermal precious metal mineralization in 2000. A staking rush in the mid 2000's resulted in several regional exploration programs by Almaden Minerals Ltd., Consolidated Spire Ventures Ltd., Strongbow Exploration Inc., Tanqueray Resources Ltd. and Appleton Exploration Inc. Most of these companies are now concentrating on key mineralized areas, dropping much of the peripheral ground.

Since 2006 there have been a total of four exploration programs completed over parts of the present BM property. All of these programs were orientated towards the search for low sulphidation epithermal gold deposits in the Spences Bridge Group.

Almaden Minerals Ltd. completed a program of detailed stream sediment sampling, prospecting and hand trenching on their Brookmere property in 2006 (Campbell and Balon, 2007). This program covered all of the existing BM claims except BM 13 and BM 14 and also included a significant block of ground to the east of the present BM claims. A total of 234 stream sediment samples were taken covering all of the drainages on the Almaden Brookmere claim block. In addition, 55 grab rock samples and 9 bedrock chip samples were taken. The stream sediment geochemistry found the northwestern and mid-western portion of the property to be anomalous in gold. A sub-angular float sample from Brook Creek draining this area returned a value of 11.26 gpt Au.

Appleton Exploration Inc. completed limited rock sampling and road soil sampling on the present BM 13 and BM 14 claims as part of the larger exploration program on Appleton's Dora property (Henneberry, 2007). Appleton collected a total of 132 soil samples at 50 metre intervals along the two roads traversing either side of the northeast trending ridge on the BM 13 and BM 14 claims. Three single station spot anomalies of 10 ppb Au were located. Appleton also collected 16 rocks samples in the area, with two of the samples being located on the present BM 14 claim. One returned 5 ppb Au and the other returned 10 ppb Au.

Almaden Minerals Ltd. and joint venture partner Williams Creek Exploration Ltd. followed up with a program of grid soil geochemistry, further stream sediment sampling and rock chip sampling in 2007 on their Brookmere property (Campbell and Beebe, 2008). The 54 stream sediments samples were taken within the present BM claims. The stream sediment gold values did not exceed background. Thirty-three rock samples were also collected from within the present BM claims. Gold values from these rock samples did not exceed background. A 3 kilometre by 3 kilometre soil grid was established over an area of alteration in the southern part of the claim block. This soil grid was located on present BM 1 to BM 4 claims. A total of 975 samples was collected. The results did not return any significantly elevated gold values.

Almaden Minerals Ltd. and joint venture partner Williams Creek Exploration Ltd. completed a third exploration program in 2008 after dropping much of the eastern portion of their Brookmere property (Poliquin and Ullrich, 2008). A total of 33 stream sediment samples were collected. Twenty-five samples are located within the present BM claims. A value of 112 ppb Au was returned from one of the creeks in the west-central part of the property. A total of 12 rock samples were taken, of which, 5 are within the present BM claims. The rock sample gold values did not exceed background levels. A total of 183 soil samples were taken covering areas of slightly elevated gold values from the 2007 survey. Only one sample exceeded background.



### 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.

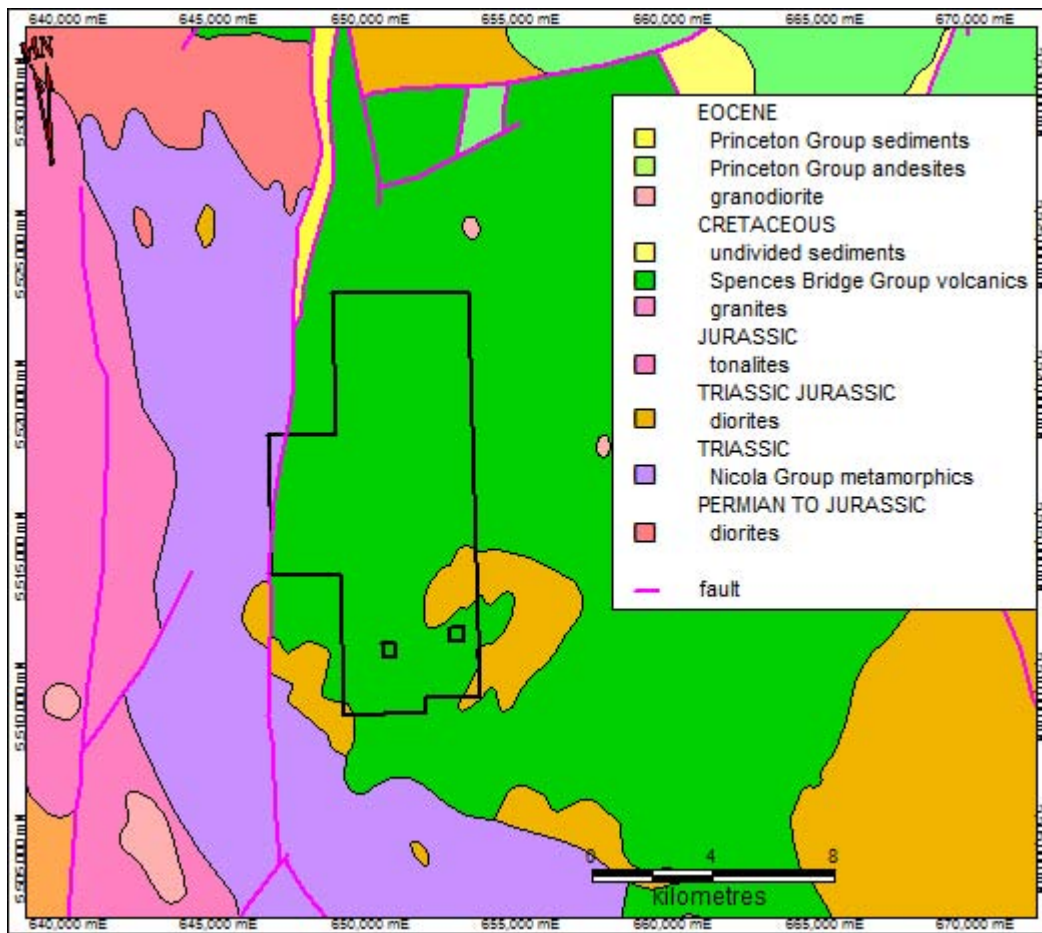


Figure 3: BM Property-Regional Geology

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 volcanics. 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 melange 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 volcanics 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 volcanics occur as a series of outliers though the lower end of the Stikinia Terrane in the north and as a large belt within the Quesnellia Terrane in the south.

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

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 (Figure 4) forms a northwest trending belt, 3 to 24 kilometres wide and up to 3400 metres thick, from north of Princeton through to east of Lillooett (Duffel and McTaggart, 1952). A faulted extension of the belt lies in the Churn Creek/Empire Valley area west of 100 Mile House (Thorkelson, 2006).

The Spences Bridge Group as described by Thorkelson (2006) 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.

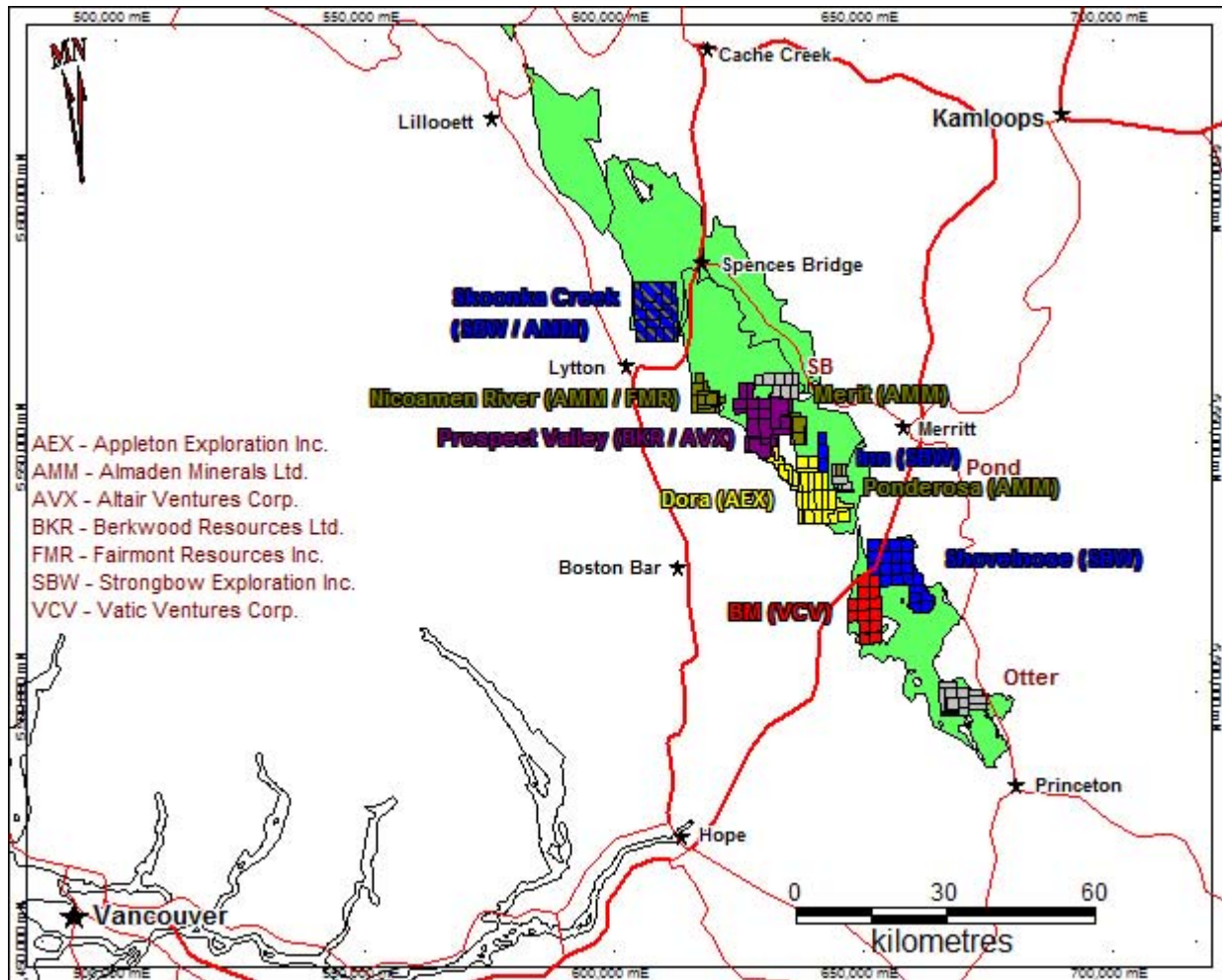


Figure 4: Spences Bridge Gold Belt

Shortly after eruption of 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.

Recently the British Columbia Geological Survey completed an update of the stratigraphy and geological setting of the Spences Bridge Group. This work indicates that the Spences Bridge Group consists of two formations: the older Pimainus Formation and the younger overlying Spius Formation. The following descriptions are quoted and summarized from Diakow and Barrios (2009).

The Pimainus Formation consists mainly of subaerial flows and pyroclastic volcanic strata interbedded with minor sedimentary intervals containing sandstone and conglomerate. The oldest unit within this formation appears to be a grey-green andesite that is in part porphyritic or amygdaloidal. This unit is overlain by a rhyolitic pyroclastic unit that is approximately 100-150 metres thick. It is characterized by lithic pyroclastics that include aphanitic rhyolite and some flow-laminated rhyolite. Minor bedded tuffs containing crystals, ash, and small lithic fragments forming thin-layered horizons within massive ash flows are also present. Other layered rocks consist of tuffaceous sandstone and fine lapilli tuffs. A second ash-flow unit occurs near the top of the stratigraphic section. *“This tuff unit is distinguished from those lower in the section by monomictic juvenile lapilli and blocks of composed of reddish, sparsely plagioclase-porphyritic and flow-laminated rhyodacite. Rhyolite lava flows, presumed to represent small domes or facies related to this pyroclastic flow, occur at two localities.”*

The Spius Formation is characterized by a thick succession of andesite flows. These flows vary from aphanitic with or without sparse pyroxene phenocrysts to amygdaloidal. In some places, the contact is conformable and hard to identify, while elsewhere, lacustrine beds separate the two formations.

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

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).

## BM Property Geology

The BM property has not been mapped in detail as exploration to date has largely consisted of prospecting surveys consisting of: stream sediment sampling, soil geochemistry and rock sampling.

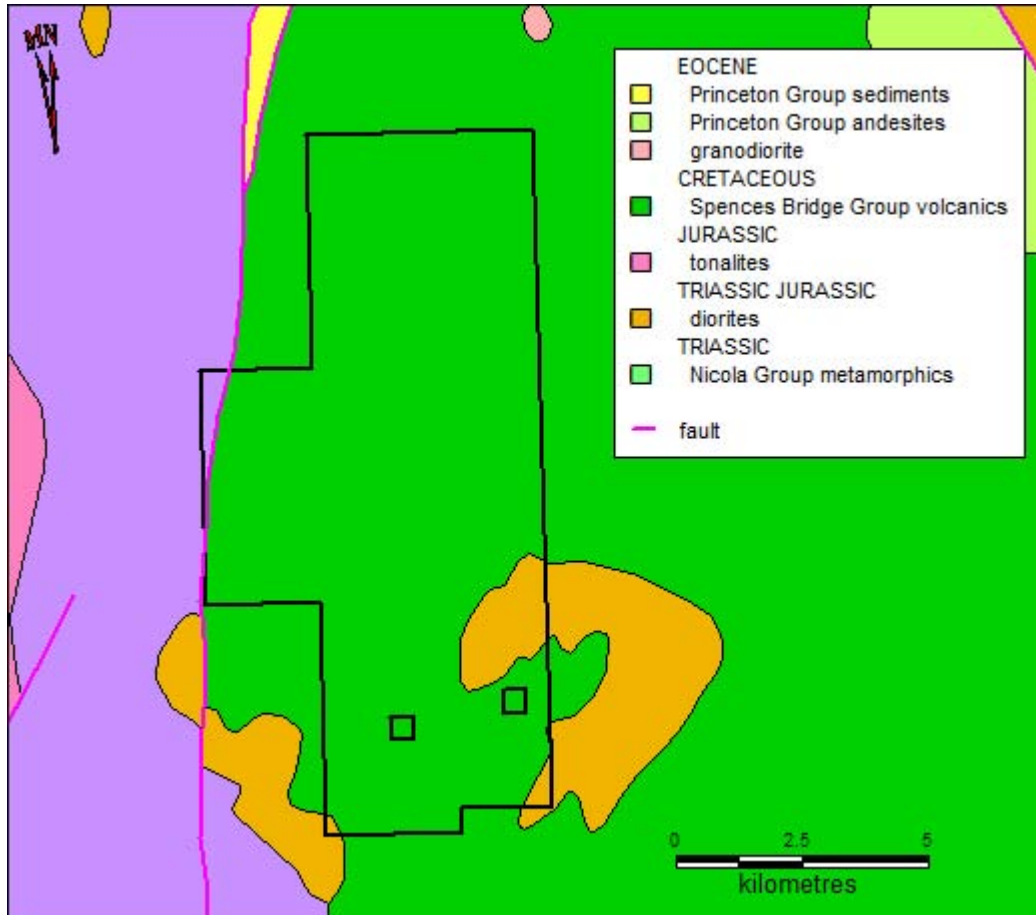


Figure 5: Property Geology- BM Property.

Reconnaissance mapping along roads and trails during the 2007 program (Campbell and Beebe, 2008), however, did identify several rock units in the area underlying current claims BM 1 to BM 1 (Figure 5). The most widespread unit is cream to medium brown coloured lithic tuff of dacitic to andesitic composition. Clasts range from a few millimetres to several centimetres in size. The composition is more felsic to the west with abundant quartz-eye phenocrysts being present. A dacite flow with vitreous groundmass, rare quartz eyes and hornblende and biotite phenocrysts was located in the area of the 2007 soil grid. A small, medium to coarse-grained leucocratic hornblende and/or biotite bearing quartz monzonite intrusive located in the southwest corner of the claim block is crosscut by epidote veinlets and thin aplite dikes. A series of northerly-trending basalt dikes crosscut all other lithologies.

Preliminary mapping by Henneberry (2007) for Appleton Exploration Inc. included the area underlying current claims BM 13 and BM 14. He found the area to be underlain by andesitic flows overtop of lapilli and block and ash fall tuffs. The lapilli in the tuffs are predominantly plagioclase with lesser mafic minerals. The lapilli are 5-10 mm in size and range from intact crystals to crystal fragments. The ground mass is generally aphanitic. The block and ash fall tuffs are grey weathering and grey green to dark grey in hand specimen. The fabric of the tuffs is matrix supported with coarse grained clasts and bombs of an andesitic composition, as well as white plagioclase lapilli. The andesites are poorly porphyritic with very few vesicles. Alteration in this area is much more intense. Hematite is common and ranges from moderate to intense. Large areas of volcanoclastics show abundant quartz as fracture fillings, discontinuous veinlets and agates with associated intense hematite alteration.

Topographic features including creek drainage patterns suggest that there may be northwest-southeast and north-south trending structural features present on the property. This is supported by government aeromagnetic surveys. Structural control is a common feature of low-sulphidation precious metals deposits

## DEPOSIT TYPES

The BM 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, although calcalkaline andesitic compositions predominate. Low sulphidation deposits can be any age. 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, and 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.

## MINERALIZATION

The exploration target for the BM property is a low sulphidation epithermal precious metal deposit. Bedrock mineralization has yet to be found on the BM property. An outcrop area in the northwest corner of the property containing jasper and iron-rich carbonate alteration and coarse crystalline comb-textured quartz veins and composed of bleached andesite or rhyolitic pyroclastic rocks was sampled in detail. Results of this sampling returned values ranging from 1.4-2.9 ppm gold (Campbell and Balon, 2007).

The 2011 exploration program was successful in locating two areas of anomalous gold-in-soil and silver-in-soil (Figure 6).



Target 2 area was originally identified by Butrenchuk (2010). Phase I road soil sampling was successful in locating continuous to semi continuous zones of anomalous gold-in-soil. This area remains a high priority target area for follow up.

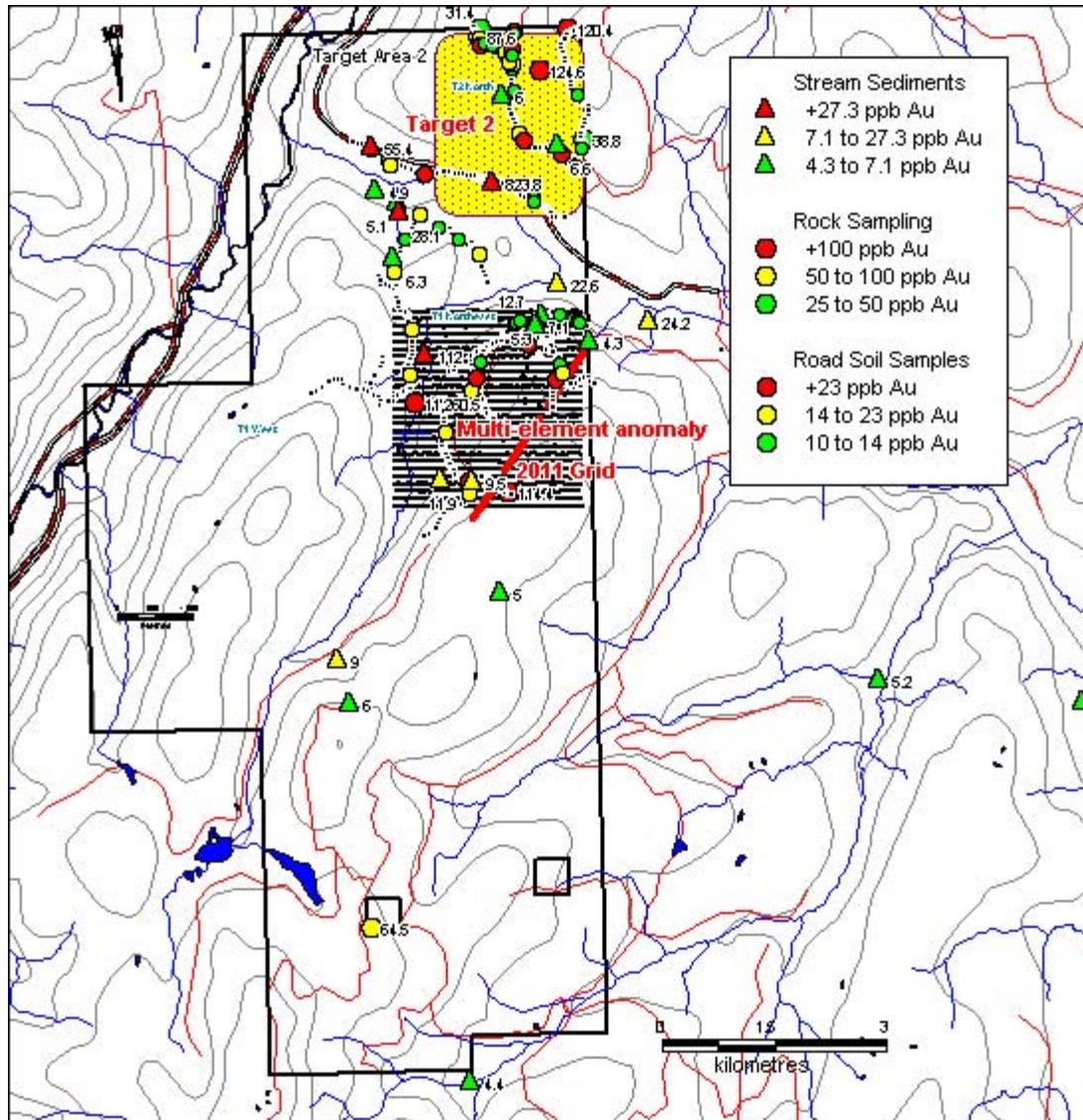


Figure 6: BM Property- Anomalies

The 2011 soil grid was established over Target Area 1 because of wider spread road soil mineralization, anomalous stream sediment geochemistry from the creek draining the area and the presence of an 11,260 ppb Au float sample in the area. Sampling on the 2011 soil grid was successful in locating a 900 metre to 2000 metre long by 25 metre to 50 metre wide multi-element anomaly on the east central portion of the grid. A sample of rounded rhyolite quartz breccia float in the area returned 97.3 ppb Au.

Vatic Ventures Corp. completed a two phase exploration program during 2011. Phase I consisted of road soil sampling, rock sampling and silt or stream sediment sampling during May 2011. Two target areas were identified for follow up: Target 1 in the east central portion of the property and Target 2 (North Target Area) in the northern end of the property. Phase II consisted of a 2600 metre by 2500 metre follow up soil grid on Target 1 at 100 metre lines by 25 metre sample intervals. Additional rock sampling was also completed as part of the Phase II program, following up on the Phase I soil anomalies.

**Table 3. 2011 Sampling Statistics**

	<b>Rocks</b>	<b>Silts</b>	<b>Soils</b>
<b>Phase I</b>	31	11	517
<b>Phase II</b>	35		2636
<b>Totals</b>	<b>66</b>	<b>11</b>	<b>3153</b>

2011 silt or stream sediment samples were collected from the finest silt / sand material available in the active channel with limited organic matter. The sediment samples were collected in labeled 10cm by 15cm Kraft paper bags. 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.

2011 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.

There were two different soil surveys completed by Vatic Ventures Corp. during the 2011 exploration season. The initial survey in May consisted of road soil sampling along accessible roads on the northern half of the claim block. Samples were taken on the high side cut bank at 50 metre intervals. The follow up grid soil sampling was completed at 25 metre intervals along 100 metre spaced lines. The grid consisted of 27 east west lines of 2500 metres. The sampling procedure was the same for the road soil sampling and grid soil sampling. Each soil line was flagged and sampled at 25 or 50 metre intervals along the line or road 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.



**Table 4. 2011 Rock Sampling Summary**

Sample No.	Type	Width	ppb Au	Sample No.	Type	Width	ppb Au
BM11-R1	altered tuff	2.0	<0.5	BM11-R30	rhyolite tuff	float	257.6
BM11-R2	altered tuff	grab	<0.5	BM11-R31	rhyolite tuff	float	1.7
BM11-R3	basalt	grab	6	BM11-R32	rhyolite tuff	float	10
BM11-R4	quartz	float	<0.5	BM11-R33	rhyolite tuff	float	9.7
BM11-R5		float	2.2	BM11-R34	rhyolite tuff	float	12.1
BM11-R6	stringers in rhyolite	float	10.1	BM11-R35	jasper in andesite	grab	11.1
BM11-R7	stringers in rhyolite	float	2.2	BM11-R36	volcanic	float	1.3
BM11-R8	stringers in rhyolite	float	23.5	BM11-R37	rhyolite tuff	float	4.7
BM11-R9	silicified volcanic	float	14.2	BM11-R38	rhyolite	float	18.1
BM11-R10	lapilli tuff	float	15.8	BM11-R39	andesite	grab	3.1
BM11-R11	rhyolite	float	<0.5	BM11-R40	qtz vein	float	439.7
BM11-R12	limonite breccia	float	1.3	BM11-R41	tuff	float	10.7
BM11-R13	lapilli tuff	float	0.7	BM11-R42	rhyolite tuff	grab	24.1
BM11-R14	rhyolite	select grab	0.6	BM11-R43	rhyolite	float	22.4
BM11-R15	lapilli tuff	float	<0.5	BM11-R44	rhyolite tuff	float	1.8
BM11-R16	volcanic	float	<0.5	BM11-R45	rhyolite	float	2.9
BM11-R17	volcanic	float	<0.5	BM11-R46	andesite	grab	<0.5
BM11-R18	breccia	float	0.9	BM11-R47	andesite	float	<0.5
BM11-R19	breccia	float	7.3	BM11-R48	rhyolite	float	97.3
BM11-R20	volcanic	float	1	BM11-R49	andesite	grab	<0.5
BM11-R21	lapilli tuff	float	45.5	BM11-R50	andesite	grab	0.8
BM11-R22	lapilli tuff	float	92	BM11-R51	rhyolite	float	<0.5
BM11-R23	lapilli tuff	float	6.4	BM11-R52	lapilli tuff	float	267
BM11-R24	rhyolite	float	2.4	BM11-R53	andesite	grab	1.9
BM11-R25	felsic tuff breccia	float	47.5	BM11-R54	rhyolite	grab	1.9
BM11-R26	rhyolite, chalcedonic qtz	float	365.1	BM11-R55	andesite	grab	0.6
BM11-R27	volcanic	grab	2	BM11-R56	lapilli tuff	grab	<0.5
14801	chalcedonic stringer	float	1.4	BM11-R57	andesite	grab	1.6
14802	chalcedonic stringers	1	1.7	BM11-R58	andesite	grab	1.6
14803	chalcedonic stringer	grab	<0.5	BM11-R59	rhyolite	grab	0.6
14804	chalcedonic stringer	grab	0.9	BM11-R60	andesite	grab	<0.5
BM11-R28	rhyolite tuff	float	61	BM11-R61-1	andesite	grab	<0.5
BM11-R29	rhyolite tuff	float	13.9	BM11-R61-2	andesite	grab	<0.5
				BM11-R62	rhyolite	float	1.3

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 Vatic Ventures Corp. 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 stream sediment and 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 BM property include: volcanoclastics and andesitic flows of the Spences Bridge Group and Triassic Jurassic dioritic intrusions. There has not yet been bedrock mineralization located on the BM 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.

A total of 11 silt samples were taken as shown on Figure 7. Values of 4.5 ppb Au and 6.3 ppb Au were located up in the target one area at the northern end of the property. The remaining samples returned values of less than 3 ppb Au.

A total of 66 rock samples were taken during the 2011 program. The results are plotted and Figure 8 and are shown in Table 4. Full rock descriptions and coordinates can be found in the Appendix. Seven samples returned values in excess of 500 ppb Au, with four of those returning values in excess of 100 ppb Au. The maximum values was 440 ppb Au.

Two of the samples were taken from the extreme northeastern portion of the property. BM11-R28 consisted of angular float of silicified, argillic altered rhyolite tuff showing strong iron and manganese oxides and minor pyrite and returned a value of 61 ppb Au. BM11-R30 assayed 257.6 ppb Au and consisted of locally silicified, strongly argillic altered rhyolite tuff with strong manganese oxides and traces of pyrite.

Four samples were taken from the north central part of the property. BM11-R22 consisted of silicified and clay altered lapilli tuff float with 1-2cm chalcedonic quartz vein and returned a values of 92 ppb Au. BM11-R26 assayed 365.1 ppb Au and consisted of clay altered rhyolite float with pale grey chalcedonic quartz veinlets. BM11-R40 consisted of a tabular 6X9X11cm medium to coarse grained grey quartz vein float showing drusy manganese oxides and returned a value of 439.7 ppb Au. BM11-R52 assayed 267 ppb Au and consisted of lapilli tuff float contain a quartz vein showing silica and carbonate cement and hematite.

One sample came from the east central part of the property within the soil grid. BM11-R48 assayed 97.3 ppb Au and consisted of rounded silicic rhyolite quartz vein breccia float with abundant iron and manganese oxides.

An initial road soil sampling program was completed in May 2011. A total of 517 soil samples were taken from accessible roads throughout the northern part of the property. The gold plot is shown as Figure 9. Complete sample details and can be found in the Appendix.

Figure 9a shows the highlights of the road soil sampling program. Two key areas stand out. The first is the 2011 Soil Grid area, where the various roads traversing the area are moderately anomalous in gold, with several values returning in excess of 10 ppb Au to a maximum of 48.6 ppb Au. Previous stream sediment sampling by Almaden showed the creek draining this area to be anomalous in gold. Further a float sample taken from this area returned a value of 11,280 ppb Au. The detailed soil grid was established over this area.

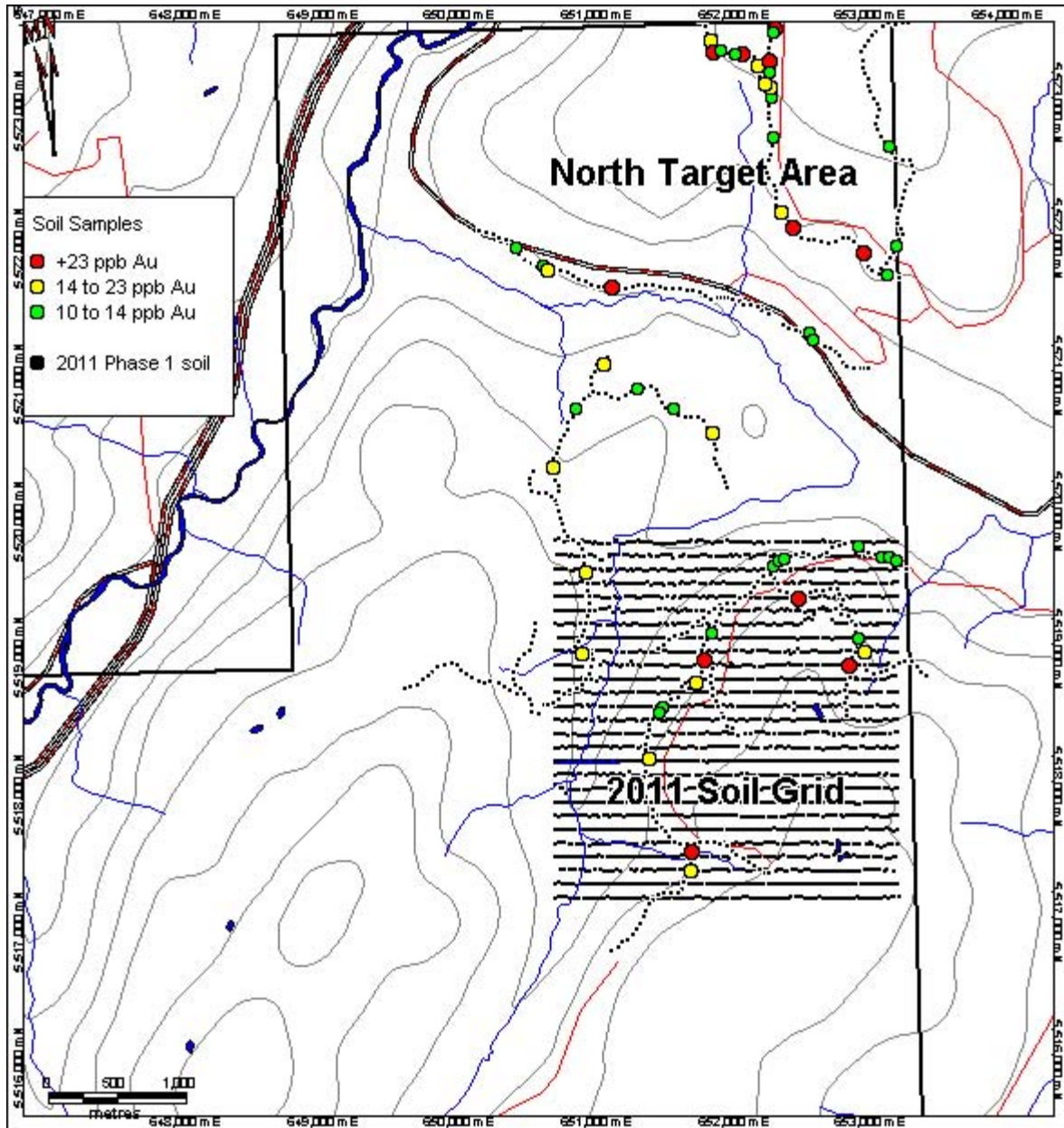


Figure 9a: BM Property- Road Soil Sampling Highlights

The second area is the North Target area in the northern part of the claim block. Again the roads traversing this area are moderately anomalous in gold, with several samples returning values in excess of 10 ppb Au to a maximum of 264 ppb Au.

The second phase of the 2011 program was the soil grid over the east central part of the property following up on the road soiling program and earlier silt sampling results (Butrenchuk, 2010). A grid 2600 metres long by 2500 metres wide was established and sampled at 25 metre intervals along 100 metre spaced lines.

Plots have been completed for gold (Figure 10), silver (Figure 11), molybdenum (Figure 12), antimony (Figure 13) and selenium (Figure 14). The summary statistics for these five elements are shown in Table 5.

**Table 5. Grid Soil Sampling Statistics**

		ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
<b>Count</b>		2668	2668	2668	2668	2668	2668
<b>Minimum</b>		<0.1	<0.5	<0.5	0.2	<0.1	<0.5
<b>Maximum</b>		1.2	56.5	871.2	5.8	0.9	3.3
<b>75th percentile</b>		0.2	3.1	2.6	0.7	0.2	0.8
<b>90th percentile</b>		0.3	4.1	5.6	0.8	0.3	1.1
<b>95th percentile</b>		0.4	4.9	10.2	0.9	0.3	1.4
<b>98th percentile</b>		0.7	6.4	29.3	1.2	0.4	1.8

The gold plot (Figure 10) shows considerable scatter throughout the grid. There are indications of a possible structure west and sub-parallel to the access road between 5518000N and 5519000N. This possible structure is not evident on any of the other plots. There are strong indications of a structure paralleling the northeast draining creek on the east side of the grid between 5518300N and 5519200N. This structure is also evident and more pronounced in the other plots.

The silver plot (Figure 11) also shows considerable scatter, but also shows some clustering. There are strong indications of a structure paralleling the northeast draining creek on the east side of the grid between 5518300N and 5519200N.

The molybdenum plot (Figure 12) shows considerable scatter throughout the grid. The northeast trending structure found in the gold and silver plot is also evident in the molybdenum plot.

The antimony plot (Figure 13) again shows considerable scatter throughout the grid. The northeast trending structure found in the gold and silver plot is also evident in the antimony plot. This plot suggests this structure trends throughout the length of the grid.

The selenium plot (Figure 14) again shows considerable scatter throughout the grid. The northeast trending structure found in the gold and silver plot is also evident in the selenium plot. This plot also suggests this structure trends throughout the length of the grid.

## DRILLING

There has not been any drilling completed on the BM 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 or by Greyhound Bus from Merritt. Rock samples were handled similarly, though only 10 to 12 samples were placed in the rice bags. 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 independent of Vatic Ventures Corp. and also independent of the property vendor Eastland Management Ltd.

All samples from the 2011 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-HNO<sub>3</sub>-H<sub>2</sub>O 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-HNO<sub>3</sub>-H<sub>2</sub>O solution at 95°C for one hour, followed by dilution to 300ml or 600ml and 36 element ICP-MS.

The exploration programs completed by Vatic Ventures Corp. are preliminary surveys. The quality control procedures employed included duplicates and standards supplied by CDN Resources Laboratories Ltd. Standards were employed at regular intervals throughout the sample stream. Unfortunately, the project geologist for the grid soil sampling had trouble with the volume or weight for each standard and several of the standards went in under weight and an analysis was not possible, so only 5 of the 50 standards were analyzed. All 10 standards from the phase I program were analyzed.

The CDN standards performed relatively well, with most analyses lying within the range limits as shown in Table 6.

**Table 6. CDN Standard Performance**

Range	GSP2		CGS 15		CGS 27		CM 5	
	ppb Au	ppm Cu	ppb Au	ppm Cu	ppb Au	ppm Cu	ppb Au	ppm Cu
	194-234		510-630	4310-4710	386-478	3640-3940	248-320	2990-3390
BM11-SO4			490.6	4375.3				
BM11-SO8	204	60.8						
BM11-S03					372.2	3678		
BM11-S01	161.6	57.6						
BM11-S02					446.9	3571.1		
BMS-1							299.1	3345.9
BMS-2			504.8	4436.5				
BMS-3							349.3	3447.3
BMS-4			639.6	4497.8				
BMS-5							292.9	3164.7
BMS-6			625.6	4678.1				
BMS-7							275.8	3089.9
BMS-8			556.4	4276.4				
BMS-9							310.9	3109.1
BMS-10			428.6	4477.8				

The author feels the sample preparation, security and analytical procedures for the preliminary ground surveys on the BM 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.

## ADJACENT PROPERTIES

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

### MINERAL PROCESSING AND METALLURGICAL TESTING

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

### MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES

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

### OTHER RELEVANT DATA AND INFORMATION

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

### INTERPRETATION AND CONCLUSIONS

The Vatic Ventures Corp's. BM 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 subarial 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 Skoonka 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.

**The author has been unable to verify the drill results from Skoonka Creek or Prospect Valley and these drill results are not necessarily indicative of the mineralization on the BM property.**

The aim of the 2011 exploration program at BM was to test the two key areas on the property: Target Area 1 and Target Area 2. The first step was an initial prospecting and road soil sampling that was successful in locating continuous to semi-continuous areas of anomalous soil values from roads cutting through the two target area.

Budget limitations allowed a detailed follow up grid to be completed on only one of the target areas. Target Area 1 was chosen as the road soil sampling suggested the possibility of more widespread mineralization. Target Area 2 also remains an excellent exploration target and should have a detailed grid completed over it.

The Phase II soil grid highlighted considerable scatter in most of the key indicator elements. However, it appears a linear multi-element anomaly, including gold and silver, was located in the east central section of the grid. Gold and silver suggest the zone is approximately 900 metres long and 25 to 50 metres wide. Antimony and selenium suggest the zone may be traceable considerably further from 5519200N in the north to 5517200N in the south. This area needs to be evaluated by prospecting and mapping in advance of trenching or diamond drilling.

### RECOMMENDATIONS

The BM property warrants further exploration for epithermal precious metals deposits. Two targets have been identified: road soil and rock sampling results from the Target 2 Area and a multi-element northeast trending linear soil anomaly in the 2011 soil grid at Target 1.

#### 2012 BM Property Budget

##### Prospecting and Mapping:

Two man prospecting crew all in	15	days	@	\$1,650	\$24,750
Analysis - soil	200	samples	@	\$20	\$4,000
Analysis - rock	75	samples	@	35	\$2,625
Analysis - standards	8	samples	@	\$20	\$160

##### Geochemistry:

Two man soil crew all in	24	days	@	\$1,200	\$28,800
Analysis - soil	1159	samples	@	\$20	\$23,180
Analysis - rock	25	samples	@	35	\$875
Analysis - standards	25	samples	@	\$20	\$500

##### Equipment and Supplies:

Travel:					\$7,500
Supervision					\$5,000
Documentation					\$5,000
Contingency:					\$5,610

**Total Budget** **\$110,000**



A 1500 metre wide by 1800 metre long soil grid is recommended for the Target 2 Area. Lines will be spaced at 100 metres and sampled at 25 metre intervals along the lines. This will result in the collection of 1159 soil samples.

Prospecting and mapping should be directed at the northeast trending linear anomaly on the 2011 soil grid.

## REFERENCES

Butrenchuk, S.B. (2010). 43-101 Technical Report BM Property. SEDAR Filed Technical Report for Vatic Ventures Corp.

Campbell, K.V. and Balon, E.A. (2007). 2006 Geochemical, Prospecting and Trenching Report on the Brookmere Property. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 28926.

Campbell, K.V. and Beebe, J.S. (2008). 2007 Geochemical, Geological and Prospecting Report on the Brookmere Property. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 29559.

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

Henneberry, R.T. (2007). Geological Report on the Dora Project. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 28946.

[www.em.gov.bc.ca/Mining/Geosurv/MapPlace/default.htm](http://www.em.gov.bc.ca/Mining/Geosurv/MapPlace/default.htm). 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.

Poliquin, M.J. and Ullrich, T.D. (2008). 2008 Report on Exploration Activities, Rock and Stream Sediment Sampling and Geochemistry, Brookmere Property. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 30474.

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. of 2446 Bidston Road, Mill Bay, B.C. V0R 2P4 do hereby certify that: I am the Qualified Person for:

**Vatic Ventures Corp.**

318 - 1008 Homer Street  
Vancouver, British Columbia V6B 2X1

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 31 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:

- 31 years of exploration experience for base and precious metals in the Western Cordillera

I am responsible for the preparation of the technical report titled "2011Summary Report BM Property" and dated December 5, 2011 relating to the BM property. I visited the BM property on August 13, 2011 for one day.

I have not had prior involvement with the property that is the subject of the Technical Report.

As of December 5, 2011, 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 independent of the issuer after applying all of the tests in section 1.4 of NI 43-101. However, 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 December 5, 2011.

"signed and sealed"

---

R.Tim Henneberry, P.Geo

STATEMENT OF COSTS

	Dates Worked
Steve Butrenchuk	May 20 to June 1
Gary Wesa	May 24 to June 4
Ed Balon	May 25 to June 4; Aug 3,4,5,6,7,8
Mazdak Salehi	Jul 30,31; Aug 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
Mike Pym	Jul 30,31; Aug 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
John Taylor	Jul 30,31; Aug 1,2,3,4,5,8,9,10,11,12,13,14,15,16,17,18,19,20
Riley Pym	Jul 30,31; Aug 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
Jon Cossey	Jul 30,31; Aug 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20
Max Kuhn	May 24,25,26,27,28,29,30,31; Jun 1,2,3,4
Max Kuhn	Jul 30,31; Aug 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20

Field Crew \$ 82,712.50

Steve Butrenchuk	8.75 days	@ \$ 750 /day	\$ 6,562.50
Gary Wesa	12 days	@ \$ 650 /day	\$ 7,800.00
Ed Balon	16 days	@ \$ 650 /day	\$ 10,400.00
Mazdak Salehi	22 days	@ \$ 550 /day	\$ 12,100.00
Mike Pym	22 days	@ \$ 450 /day	\$ 9,900.00
John Taylor	20 days	@ \$ 450 /day	\$ 9,000.00
Riley Pym	22 days	@ \$ 400 /day	\$ 8,800.00
Jon Cossey	22 days	@ \$ 400 /day	\$ 8,800.00
Max Kuhn	34 days	@ \$ 275 /day	\$ 9,350.00

Vehicle Rentals \$ 7,660.32

Steve Butrenchuk	2811 km	@ \$ 0.75 /km	\$ 2,108.25
Tim Hennebery	3 days	@ \$ 60 /day	\$ 180.00
Mike Pym	22 days	@ \$ 60 /day	\$ 1,320.00
Riley Pym	22 days	@ \$ 60 /day	\$ 1,320.00
Enterprise			\$ 2,732.07

Support \$ 24,342.27

Supplies	\$ 899.53
Travel	\$ 60.04
Room	\$ 10,812.12
Meals	\$ 5,507.15
Fuel	\$ 2,385.65
Freight	\$ 491.17
Service 10%	\$ 2,015.57
HST	\$ 2,171.04

-31-  
STATEMENT OF COSTS  
(Continued)

Analysis									\$81,814.49
Acme Analytical		Invoice		HST					
VAN11002358		\$878.67		\$105.44		\$984.11			
VAN11002355		\$5,260.90		\$631.31		\$5,892.21			
VAN11002356		\$4,762.95		\$571.55		\$5,334.50			
VAN11002357		\$266.53		\$31.98		\$298.51			
VAN11003751	VANI099701	\$4,433.88		\$532.07		\$4,965.95			
VAN11003752	VANI099085	\$3,277.37		\$393.28		\$3,670.65			
VAN11003753	VANI098890	\$2,320.86		\$278.50		\$2,599.36			
VAN11003754	VANI099558	\$4,456.78		\$534.81		\$4,991.59			
VAN11003755		\$599.98		\$72.00		\$671.98			
VAN11004032	VANI095716	\$2,361.14		\$283.34		\$2,644.48			
VAN11003936	VANI103482	\$3,824.90		\$458.99		\$4,283.89			
VAN11003937	VANI103084	\$4,142.00		\$497.04		\$4,639.04			
VAN11003938	VANI103483	\$3,530.41		\$423.65		\$3,954.06			
VAN11003939	VANI103085	\$3,924.61		\$470.95		\$4,395.56			
VAN11003940	VANI103484	\$3,234.18		\$388.10		\$3,622.28			
VAN11004108	VANI097242	\$3,451.57		\$414.19		\$3,865.76			
VAN11004114	VANI098098	\$4,044.32		\$485.32		\$4,529.64			
VAN11004444	VANI098126	\$5,285.18		\$634.22		\$5,919.40			
VAN11004445	VANI098680	\$3,707.80		\$444.94		\$4,152.74			
VAN11004446	VANI097750	\$2,958.24		\$354.99		\$3,313.23			
VAN11004502	VANI095690	\$338.84		\$40.60		\$379.44			
Service charge (10%)		\$6,706.11				\$6,706.11			
Documentation and Supervision									\$ 13,750.00
Tim Henneberry	110	hours	@	\$ 125	/hour	\$	13,750.00		
Drafting									\$491.40
Wildrock Resources							\$201.60		
Wildrock Resources							\$289.80		
HST on Services									\$ 12,494.74
							\$	12,494.74	
Total									\$223,265.72

Sample No.	83Z10E	83Z10N	ALTITUDE	DESCRIPTION	Width	ppb Au
BM11-R1	650632	5518624	1218 m	Contin. Chip: lapilli tuff, strongly clay-Fe-carb altr'd, 2.0m long chip	2.0	<0.5
BM11-R2	650632	5518626	1218 m	Grab: decomposed, clay altr'd, saussaritized, apple-green bedrock	grab	<0.5
BM11-R3	652198	5519514	1238 m	Select Grab: amygdaloidal basalt w/jasper-rich frags, stringers & vns	grab	6
BM11-R4	652190	5519518	1237 m	Float: chalced qz w/drusy qz cavities, Mn-ox stain, sub-rnd'd blder	float	<0.5
BM11-R5	651905	5518576	1322 m	Float: red-orng-brn, silicf'd, Fe-carb altr'd, mm-scale carb strgrs, dis py	float	2.2
BM11-R6	651831	5518813	1269 m	Float(Composite Chip): rhyolite, silicf'd w/mm-2cm qz strgrs, Fe-Mn ox.	float	10.1
BM11-R7	651851	5518865	1270 m	Float(Composite Chip): similar to R6, rare, thin cc strgrs and grains	float	2.2
BM11-R8	651832	5518913	1264 m	Float: similar to R6, pervas. silica replaced, drusy cavs w/Fe-Mn ox.	float	23.5
BM11-R9	651800	5518944	1262 m	Float: pervas. silicf'd volc, minor Fe/Mn ox., dissem py	float	14.2
BM11-R10	651686	5518761	1261 m	Float(Composite Chip): lapilli tuff, rusty orng wth, silicf'd, vfg dissem py	float	15.8
BM11-R11	652878	5518986	1315 m	Float: ryolitic tuff, silicif'd, patchy lim. & clay alt'n, strongly gossanous	float	<0.5
BM11-R12	652898	5519184	1303 m	Float: limonitic brx w/crse cc frags, rnd'd to angular frags in lim. Matrix	float	1.3
BM11-R13	652776	5519307	1301 m	Float(composite): lapilli tuff, limonitic, f.g. to porph., strgly gossanous	float	0.7
BM11-R14	650929	5519009	1163 m	Select Grab: altr'd rhyolite, sucrosic, micro-brx'd w/irreg stringers	select grab	0.6
BM11-R15	650916	5519179	1158 m	Float: lapilli tuff, rusty orange-brn, brx'd, clay-lim altr'd w/sub-ang frags	float	<0.5
BM11-R16	651793	5523581	1310 m	Float: Int. Volc.w/salmon-pink plag. feld., 1.0-1.5mm chalced qz strgrs	float	<0.5
BM11-R17	651793	5523557	1308 m	Float: similar to R16; pale greenish-grey int. volc.	float	<0.5
BM11-R18	651791	5523559	1307 m	Float: breccia bldr w/micro qz brx vns, chalced qz flooded, wkly lim.	float	0.9
BM11-R19	651829	5523473	1288 m	Float(composite): similar to R18; totally brx'd matrix, minor Fe-Mn stn.	float	7.3
BM11-R20	652550	5521341	1017 m	Float(Composite): volc rbbl, silicf'd, Fe-cb altr'd, brx'd w/ chalced matrix	float	1
BM11-R21	651638	5518727	1260 m	Float(Composite): lapilli tuff w/mm qz strgrs, Fe-Mn ox on frac surfaces	float	45.5
BM11-R22	650472	5521869	987 m	Float(Composite): lapilli tuff, silicf'd & clay altr'd w/1-2cm chalced vn	float	92
BM11-R23	650412	5521946	994 m	Float: angular, same as R22 w/ vf mm-scale chalced stringers	float	6.4
BM11-R24	653016	5523516	1392 m	Float(Composite Chips): rusty wth'd, hematitic, silicf'd rhyolite, qz stgrs	float	2.4
BM11-R25	653157	5522654	1333 m	Float: felsic tuff brx, silicf'd w/Mn-ox on fracs & in cavities	float	47.5
BM11-R26	652577	5521303	1016 m	Float: rhyolite w/clay alteration, pale grey chalced vns	float	365.1
BM11-R27	652365	5521402	996 m	Subcrop(Chips): volc w/ silicf'd, Fe-cb-clay altn, mm-scale qz strgrs	grab	2
14801	651626	5517591		float/chalcedonic stringer	float	1.4
14802	648920	5514896		1m chip sample	1	1.7
14803	652159	5519507		grab of chal. Vnlet	grab	<0.5
14804	653005	5523114		bulk grab	grab	0.9
BM11-R28	652298	5523579	1334 m	Float Grab: ang pcs silic, arg alt'd rhy tuff; strong FeO/MnO, minor py.	float	61
BM11-R29	652292	5523543	1320 m	Float Grab: ang pc silic rhy tuff; mod diss py, pale grey silica gmass.	float	13.9
BM11-R30	652284	5523529	1324 m	Float Grab: ang pc rhy tuff; strong arg + MnO alt'n, local silic, trc py.	float	257.6
BM11-R31	652270	5523468	1318 m	Float Grab: ang pcs silic rhy tuff, similar to R30 but abund FeO (lim).	float	1.7
BM11-R32	652255	5523360	1309 m	Float Grab: ang pc rhy tuff; chalced clasts, strong hem, MnO.	float	10

BM11-R33	652254	5523308	1314 m	Float Grab: rnded cobble rhy tuff; strong arg + silic alt'n, vague qz vnlt.	float	9.7
BM11-R34	652262	5523343	1316 m	Float Grab: subrnded pc silic+arg alt'd rhy tuff w/ 1-3mm chalced vnlt.	float	12.1
BM11-R35	652265	5523180	1290 m	OC Grab: irreg sml masses (1-2cm thick) of pyritic jasper in andesite.	grab	11.1
BM11-R36	651840	5523469	1289 m	Float Grab: ang pc strongly silic-Fe carb alt'd volc w/ calcite-qz(?) frags.	float	1.3
BM11-R37	651861	5523405	1276 m	Float Grab: ang / subrnd pcs rhy tuff; strong arg alt'n, drusy qz vnlt.	float	4.7
BM11-R38	651899	5523390	1269 m	Float Grab: subang/subrnd pcs flow-banded rhy; arg alt'd & limonitic.	float	18.1
BM11-R39	652190	5523226	1286 m	Broken OC Grab: very silic-Fe carb alt'd andst; minor brx w/ py clots.	grab	3.1
BM11-R40	651395	5521688	992 m	Float Grab: tabular pc (6x9x11cm) med-crse gr qz vn; druses w/ MnO.	float	439.7
BM11-R41	651396	5521689	992 m	Float Grab: ang pc lt grey tuff w/ ntwrk mm-scale drusy qz vnlt, MnO.	float	10.7
BM11-R42	651132	5521677	991 m	Talus Grab: rhy tuff; strongly arg alt'd, mod FeO/MnO, irreg qz vnlt.	grab	24.1
BM11-R43	651127	5521675	990 m	Float Grab: sml ang pcs arg alt'd rhy w/ dense mm-scale qz stringers.	float	22.4
BM11-R44	650649	5521760	976 m	Float Grab: subrnded pc rusty-weath silic rhy tuff; lim frags, drusy cavs.	float	1.8
BM11-R45	653253	5523609	1370 m	Float Grab: ang pcs rusty, highly frac arg alt'd rhy; drusy cavs w/ MnO.	float	2.9
BM11-R46	653082	5519703	1147 m	Talus Grab: msv andesite w/ calcite + dk red-orng (As?) min in frags.	grab	<0.5
BM11-R47	653096	5519693	1136 m	Float Grab: ang pc andesite w/ 5mm chalced vnlt + red-orng (As?) min.	float	<0.5
BM11-R48	652908	5519035	1309 m	Float Grab: rnded cobble silic rhy - qz vn brx w/ abund FeO/MnO.	float	97.3
BM11-R49	652945	5519015	1292 m	Talus Grab: porph andesite w/ drusy qz strgrs & chalced vnlt up to 1cm.	grab	<0.5
BM11-R50	650898	5519766	1105 m	Subcrop grab: silicified andesite 1-2cm qtz vn	grab	0.8
BM11-R51	650674	5520401	1073 m	Float Grab: rhyolite minor qtz vning, hematite and carbonate	float	<0.5
BM11-R52	650830	5520770	1060 m	Float Grab: lapilli tuff with qtz vn, silica and cb cement, hematite	float	267
BM11-R53	652750	5518282	1428 m	OC Grab: highly altered andesite, hem, sil, cb, sulfides, chalcedony	grab	1.9
BM11-R54	651058	5521137	1020 m	OC Grab: highly altd gran or rhy; ser, K-spar alt'n; sulfides	grab	1.9
BM11-R55	653365	5518310	1435m	OC Grab: highly alt'd andesite with fault gouge; hem, lim	grab	0.6
BM11-R56	653348	5518903	1267 m	OC Grab: lapilli with 3mm qtz vn's; hem, minor lim	grab	<0.5
BM11-R57	651828	5520620	1097 m	OC Grab: highly alt'd andesite; hem and lim	grab	1.6
BM11-R58	651828	5520601	1099 m	OC Grab: andesite with monor qtz vning	grab	1.6
BM11-R59	649522	5515740	1395 m	OC Grab: highly alt'd rhyolite, calcified and silicified, minor qtz vein	grab	0.6
BM11-R60	649838	5513367	1561 m	OC Grab: andesite with minor qtz vning; hem	grab	<0.5
BM11-R61-1	651248	5517800	1238 m	Subcrop grab: highly alt'd andesite; qtz nodules, hem, clays	grab	<0.5
BM11-R61-2	651248	5517800	1238 m	Subcrop grab: highly alt'd andesite; qtz nodules, hem, clays	grab	<0.5
BM11-R62	652897	5519805	1154 m	Float Grab: subrounded rhyolite, extensive qtz veinving	float	1.3

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-01	651456	5519038	0.1	3	2.8	0.5	0.2	0.7
MK11-02	651498	5519063	<0.1	2.8	<0.5	0.4	0.2	0.5
MK11-03	651533	5519098	<0.1	6.6	2.9	0.5	0.5	0.6
MK11-04	651577	5519122	<0.1	6.2	1.8	0.6	0.4	<0.5
MK11-05	651621	5519147	<0.1	7.2	4.1	0.6	0.5	<0.5
MK11-06	651670	5519159	<0.1	6.5	1.9	0.6	0.4	<0.5
MK11-07	651707	5519194	<0.1	3.9	4	0.6	0.4	0.7
MK11-08	651744	5519231	<0.1	4.8	3.9	0.8	0.4	<0.5
MK11-09	651781	5519261	<0.1	3.1	4.3	0.6	0.2	<0.5
MK11-10	651818	5519297	<0.1	2.4	0.9	0.5	0.3	<0.5
MK11-11	651860	5519324	<0.1	4.9	2.8	0.8	0.4	<0.5
MK11-12	651904	5519346	<0.1	5.5	5.3	0.8	0.5	<0.5
MK11-13	651948	5519365	<0.1	1.7	<0.5	0.3	0.1	<0.5
MK11-14	652004	5519367	0.2	4.1	2	0.5	0.3	0.8
MK11-15	652041	5519399	0.3	5.8	3.3	0.6	0.5	<0.5
MK11-16	652084	5519421	<0.1	8.6	1.8	0.7	0.5	<0.5
MK11-17	652129	5519443	<0.1	5.8	2.3	0.6	0.4	<0.5
MK11-18	652151	5519489	<0.1	4.2	2.1	0.7	0.3	<0.5
MK11-19	652183	5519529	0.1	5.7	1.3	0.7	0.5	<0.5
MK11-20	652224	5519560	0.2	10.7	3.5	0.7	0.4	0.6
MK11-21	652268	5519583	<0.1	4.2	8.6	0.9	0.4	<0.5
MK11-22	652290	5519629	<0.1	6.5	11.2	0.9	0.4	<0.5
MK11-23	652325	5519664	<0.1	6.7	12.6	0.8	0.6	0.6
MK11-24	652371	5519689	0.1	3.9	10.2	0.7	0.3	<0.5
MK11-25	652411	5519708	<0.1	5.7	3.3	0.9	0.5	<0.5
MK11-26	652459	5519725	<0.1	6.3	2.3	1	0.5	<0.5
MK11-27	652504	5519735	<0.1	6.7	8.3	0.9	0.5	<0.5
MK11-28	652549	5519722	<0.1	6.3	7.4	0.9	0.4	<0.5
MK11-29	652590	5519701	0.2	5.6	6.3	0.9	0.4	<0.5
MK11-30	652680	5519740	<0.1	5.2	4	0.8	0.5	<0.5
MK11-31	652727	5519772	<0.1	9.5	6.8	0.9	0.7	<0.5
MK11-32	652770	5519788	<0.1	8.9	1.2	0.7	0.6	<0.5
MK11-33	652817	5519807	<0.1	5	<0.5	0.8	0.5	<0.5
MK11-34	652866	5519810	<0.1	6.3	4.4	0.8	0.4	<0.5
MK11-35	652905	5519779	<0.1	5.3	11.3	0.8	0.5	<0.5
MK11-36	652943	5519747	<0.1	4	1.9	0.9	0.4	<0.5
MK11-37	652991	5519740	<0.1	5.8	8.3	1.1	0.5	<0.5
MK11-38	653036	5519720	0.2	4.8	2.6	0.6	0.4	<0.5
MK11-39	653083	5519700	<0.1	22.8	13.7	1.5	0.5	<0.5
MK11-40	653132	5519692	<0.1	8.1	13.3	1	0.6	<0.5
MK11-41	653180	5519673	<0.1	4.8	11.9	0.8	0.4	<0.5
MK11-42	653218	5519642	<0.1	4.8	1.1	0.6	0.4	<0.5
MK11-43	653266	5519621	<0.1	7.1	3.1	0.7	0.5	<0.5
MK11-44	652303	5519550	0.1	4.5	3.5	0.9	0.4	<0.5
MK11-45	652322	5519506	<0.1	5.6	2.6	1.1	0.4	<0.5
MK11-46	652335	5519457	<0.1	5.3	6.7	1.1	0.5	<0.5



Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
NS	652385	5519442						
MK11-47	652427	5519411	<0.1	3.5	3.5	0.9	0.4	<0.5
MK11-48	652473	5519399	<0.1	6.8	32.1	1.1	0.5	<0.5
MK11-49	652517	5519425	<0.1	7.8	5.9	1	0.5	<0.5
MK11-50	652562	5519449	<0.1	6.4	6.9	1	0.5	<0.5
MK11-51	652606	5519464	<0.1	11	2.1	1.3	0.4	<0.5
MK11-52	652659	5519455	<0.1	5.5	4.2	1	0.5	<0.5
MK11-53	652706	5519474	<0.1	6.9	6.6	0.9	0.5	<0.5
MK11-54	652755	5519474	<0.1	4.6	1.4	1	0.4	<0.5
MK11-55	652780	5519432	<0.1	2.6	1.3	0.8	0.2	<0.5
MK11-56	652806	5519393	<0.1	3.3	1.6	0.8	0.3	<0.5
MK11-57	652788	5519357	<0.1	6.2	2	0.9	0.4	<0.5
MK11-58	652749	5519323	0.1	3	0.7	0.8	0.3	<0.5
MK11-59	652794	5519293	<0.1	7.1	9.5	1.1	0.5	<0.5
MK11-60	652835	5519279	<0.1	7.2	1.3	1.1	0.5	<0.5
MK11-61	652867	5519238	<0.1	4.9	3.9	0.8	0.4	<0.5
MK11-62	652891	5519203	<0.1	6.9	3	1	0.5	<0.5
MK11-63	652898	5519151	0.1	8	3.2	0.8	0.5	<0.5
MK11-64	652905	5519104	0.1	5.8	11.5	1	0.5	<0.5
MK11-65	652908	5519053	<0.1	8.5	3.6	0.7	0.5	<0.5
MK11-66	652892	5519008	0.1	7.3	7.4	0.9	0.5	<0.5
MK11-67	652862	5518965	0.1	8.6	7	0.8	0.5	<0.5
MK11-68	652844	5518916	0.1	7	48.6	0.9	0.5	<0.5
MK11-69	652852	5518865	<0.1	7.8	3.2	1	0.5	<0.5
MK11-70	652855	5518818	<0.1	5.5	1.5	0.9	0.4	<0.5
MK11-71	652828	5518775	<0.1	5.9	2.1	1	0.4	<0.5
MK11-72	652819	5518726	0.1	4.6	1.7	1.3	0.4	<0.5
MK11-73	652823	5518679	<0.1	4.7	1	1	0.4	<0.5
MK11-74	652819	5518633	<0.1	4.4	1.1	0.9	0.4	<0.5
MK11-75	652821	5518582	<0.1	4.6	1.4	0.9	0.4	<0.5
MK11-76	652828	5518541	0.1	3.6	1.2	0.6	0.4	<0.5
MK11-77	652919	5519116	<0.1	8.5	6.5	1	0.6	<0.5
MK11-78	652931	5519067	<0.1	6.8	2.5	0.9	0.5	<0.5
MK11-79	652942	5519018	<0.1	8	21	0.7	0.5	<0.5
MK11-80	652950	5518968	<0.1	5.3	2	0.8	0.4	<0.5
MK11-81	652957	5518920	0.1	4.6	1.6	1	0.4	<0.5
MK11-82	652979	5518870	<0.1	7.8	7.3	1.1	0.5	<0.5
MK11-83	653025	5518847	0.1	4.8	2	0.6	0.3	<0.5
NS	653074	5518864						
MK11-84	653120	5518873	<0.1	7.8	2.4	0.9	0.5	<0.5
MK11-85	653166	5518903	<0.1	7.3	2.3	1.1	0.5	<0.5
MK11-86	653207	5518929	<0.1	6.5	2.9	0.6	0.5	<0.5
MK11-87	653250	5518948	<0.1	7.9	2.9	0.9	0.4	<0.5
MK11-88	653299	5518936	<0.1	4.7	2.2	0.8	0.4	<0.5
MK11-89	653340	5518902	<0.1	3.7	1	0.8	0.4	<0.5
MK11-90	653369	5518862	1.4	4.8	3.4	0.7	0.3	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-91	653406	5518833	1.6	8	3.1	0.8	0.4	<0.5
MK11-92	650556	5519218	1.2	3.1	<0.5	0.7	0.3	<0.5
MK11-93	650558	5519168	2.4	1.9	0.6	0.6	0.2	<0.5
MK11-94	650542	5519123	1.5	4.3	1	0.8	0.4	<0.5
MK11-95	650523	5519077	1.5	3.9	0.8	0.8	0.2	<0.5
MK11-96	650509	5519027	1.3	11	3.1	0.9	0.4	<0.5
MK11-97	650471	5518997	1.3	4.4	<0.5	0.7	0.3	<0.5
MK11-98	650434	5518960	1.7	4.1	1.1	0.6	0.4	<0.5
MK11-99	650416	5518913	1.9	5.8	2.9	0.7	0.4	<0.5
MK11-100	650396	5518865	1.1	2.1	<0.5	0.7	0.3	<0.5
MK11-101	650400	5518815	1.2	2.6	1.8	0.5	0.3	<0.5
MK11-102	650411	5518774	0.6	2.9	<0.5	0.7	0.4	<0.5
MK11-103	650449	5518741	<0.1	2.8	8.8	0.8	0.5	<0.5
MK11-104	650471	5518701	<0.1	3	0.7	0.6	0.3	<0.5
MK11-105	650420	5518711	<0.1	2.2	1	0.3	0.2	<0.5
MK11-106	650371	5518726	0.1	5.2	2.7	0.7	0.4	<0.5
MK11-107	650331	5518756	<0.1	4.1	1.1	0.5	0.4	<0.5
MK11-108	650287	5518778	<0.1	4.6	4.9	0.6	0.4	<0.5
MK11-109	650240	5518792	<0.1	2	<0.5	0.5	0.2	<0.5
MK11-110	650217	5518792	<0.1	0.7	<0.5	0.3	<0.1	0.8
MK11-111	650188	5518787	0.2	6	2.4	0.7	0.4	0.8
MK11-112	650138	5518803	<0.1	7.4	2	0.7	0.4	<0.5
MK11-113	650094	5518820	0.2	4.6	1	0.7	0.3	0.7
MK11-114	650053	5518852	<0.1	6.4	<0.5	0.8	0.5	0.5
MK11-115	650014	5518877	<0.1	4.8	<0.5	0.7	0.4	<0.5
MK11-116	649988	5518917	<0.1	5.5	2.3	0.8	0.4	<0.5
MK11-117	649938	5518924	<0.1	7	2	1	0.5	0.7
MK11-118	649885	5518917	0.1	7.4	2.2	0.9	0.5	<0.5
MK11-119	649844	5518899	<0.1	5.8	3.1	0.7	0.4	0.7
MK11-120	649802	5518864	<0.1	4.1	0.9	0.5	0.4	<0.5
MK11-121	649766	5518837	<0.1	4.9	0.8	0.7	0.5	<0.5
MK11-122	649729	5518807	<0.1	4.3	1	0.7	0.5	<0.5
MK11-123	649688	5518776	<0.1	2.7	2	0.9	0.3	<0.5
MK11-124	649643	5518755	0.1	3.3	1	0.6	0.3	0.7
MK11-125	649598	5518740	<0.1	4.1	<0.5	0.7	0.3	0.5
MK11-126	650508	5518669	<0.1	3.2	0.6	0.9	0.2	0.6
MK11-127	650520	5518622	<0.1	5.4	2	0.7	0.3	0.8
MK11-128	650531	5518573	0.1	5	1.3	0.5	0.4	0.6
MK11-129	650576	5518565	<0.1	4.7	0.8	0.8	0.4	<0.5
MK11-130	650601	5518608	<0.1	3.8	3	0.7	0.4	<0.5
MK11-131	650618	5518622	<0.1	4.9	2.2	0.3	0.2	0.8
MK11-132	650641	5518624	<0.1	6.8	1	0.9	0.5	<0.5
MK11-133	650683	5518638	<0.1	6.3	2	0.6	0.4	<0.5
MK11-134	650721	5518670	<0.1	5.6	0.7	0.7	0.4	0.6
MK11-135	650763	5518701	<0.1	4	1.6	0.6	0.4	0.5
MK11-136	650805	5518729	<0.1	3.8	<0.5	0.7	0.4	0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-137	650850	5518750	<0.1	2.6	<0.5	0.6	0.3	<0.5
MK11-138	650893	5518774	<0.1	4.5	0.9	0.7	0.4	0.7
MK11-139	650921	5518814	<0.1	4.6	2.8	0.8	0.4	<0.5
MK11-140	650949	5518856	<0.1	4.3	1.3	0.7	0.4	0.8
MK11-141	650967	5518905	<0.1	5.4	1.3	0.8	0.4	<0.5
MK11-142	650972	5518956	<0.1	3.3	0.9	0.6	0.3	<0.5
MK11-143	650969	5519000	<0.1	6.7	2.7	0.6	0.4	<0.5
MK11-144	650930	5519006	<0.1	6.4	3.4	0.5	0.4	<0.5
MK11-145	650885	5519005	<0.1	7	22.5	0.8	0.4	<0.5
MK11-146	650845	5519046	0.2	4	1.3	0.7	0.4	<0.5
MK11-147	650867	5519088	0.1	6	1.2	0.8	0.4	<0.5
MK11-148	650898	5519126	<0.1	4.1	1	0.7	0.4	<0.5
MK11-149	650912	5519173	<0.1	5.1	9.8	0.9	0.4	<0.5
MK11-150	650924	5519222	<0.1	7.1	2.5	1.3	0.5	<0.5
MK11-151	650936	5519271	<0.1	4.5	0.8	0.8	0.4	<0.5
MK11-152	650954	5519318	<0.1	5.3	<0.5	0.8	0.4	<0.5
MK11-153	650952	5519369	<0.1	4.2	1.7	0.7	0.4	<0.5
MK11-154	650951	5519425	<0.1	4.1	0.9	0.6	0.4	<0.5
MK11-155	650942	5519462	0.1	5	<0.5	0.5	0.1	<0.5
MK11-156	650938	5519512	<0.1	5.3	3	0.8	0.4	<0.5
MK11-157	650922	5519559	<0.1	4.3	3.5	0.8	0.4	<0.5
MK11-158	650911	5519610	<0.1	4.5	15.9	0.8	0.3	<0.5
MK11-159	650910	5519655	<0.1	1.9	2.4	0.4	0.2	<0.5
MK11-160	650904	5519705	<0.1	2.7	3.2	0.5	0.3	<0.5
MK11-161	650899	5519758	<0.1	4.1	1.5	0.8	0.4	<0.5
MK11-162	650874	5519796	0.1	3.1	1.2	0.9	0.2	<0.5
MK11-163	650835	5519824	0.2	2.9	0.7	0.7	0.2	<0.5
MK11-164	650796	5519858	<0.1	3.7	2	0.9	0.4	<0.5
MK11-165	650764	5519897	0.1	5.2	1.8	1.1	0.3	<0.5
MK11-166	650749	5519944	0.2	4.1	3.4	0.8	0.3	<0.5
MK11-167	650733	5519992	<0.1	5.5	1.2	0.8	0.3	<0.5
MK11-168	650726	5520043	<0.1	4.8	4.1	0.8	0.4	<0.5
MK11-169	650716	5520095	<0.1	4.3	1.4	0.9	0.4	<0.5
MK11-170	650702	5520117	0.1	2.9	1.3	0.7	0.3	<0.5
MK11-171	650669	5520148	<0.1	2.8	0.7	0.6	0.3	<0.5
MK11-172	650626	5520173	0.2	2.3	<0.5	0.3	0.2	<0.5
MK11-173	650577	5520176	0.1	4.5	3	1.2	0.3	<0.5
MK11-174	650529	5520184	0.1	2.5	1.1	0.6	0.2	<0.5
MK11-175	650519	5520238	<0.1	5.8	1.3	0.8	0.4	<0.5
MK11-176	650508	5520285	<0.1	2.8	1.3	0.6	0.2	<0.5
MK11-177	650534	5520328	<0.1	4.8	2.5	0.6	0.3	<0.5
MK11-178	650729	5520181	0.2	8.2	3.2	0.9	0.3	0.5
MK11-179	650718	5520229	<0.1	3.8	2.5	0.8	0.3	<0.5
MK11-180	650695	5520270	0.2	6.1	6.8	0.7	0.4	<0.5
MK11-181	650676	5520325	0.3	4.2	0.8	0.7	0.2	<0.5
MK11-182	650678	5520371	0.1	4.4	16.9	0.6	0.2	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-183	650679	5520420	0.2	3.1	0.9	1.3	0.2	<0.5
MK11-184	650710	5520462	<0.1	7.3	5.5	0.8	0.5	<0.5
MK11-185	650724	5520508	<0.1	3.9	1.3	0.6	0.4	<0.5
MK11-186	650744	5520552	0.1	2.3	<0.5	0.4	0.2	<0.5
MK11-187	650768	5520598	<0.1	3.7	3.7	0.6	0.4	<0.5
MK11-188	650788	5520640	<0.1	4	8.3	0.6	0.5	<0.5
MK11-189	650797	5520689	<0.1	3.9	3.3	0.6	0.4	<0.5
MK11-190	650825	5520734	0.1	4.4	3.9	0.7	0.4	<0.5
MK11-191	650844	5520776	0.1	4.8	11	0.8	0.4	<0.5
MK11-192	650884	5520810	<0.1	4.5	4.3	0.9	0.3	<0.5
MK11-193	650914	5520854	0.1	3.1	1.3	0.7	0.2	<0.5
MK11-194	650945	5520893	<0.1	4.2	1.4	0.8	0.2	<0.5
MK11-195	650977	5520911	<0.1	3.8	5.6	0.9	0.2	<0.5
MK11-196	651019	5520895	0.1	3.3	2.2	1.1	0.2	<0.5
MK11-197	651065	5520900	<0.1	3.5	2.3	0.6	0.2	<0.5
MK11-198	651109	5520876	<0.1	3.4	2.5	0.9	0.2	<0.5
MK11-199	651162	5520864	0.1	4.7	3	0.8	0.3	<0.5
MK11-200	651212	5520883	0.3	4.4	9.8	1	0.3	<0.5
MK11-201	651250	5520916	<0.1	3.6	2.3	0.6	0.2	<0.5
MK11-202	651298	5520926	0.2	5.9	10	0.7	0.4	<0.5
MK11-203	651346	5520938	<0.1	4.2	2.8	0.6	0.3	<0.5
MK11-204	651395	5520948	<0.1	5.1	2.8	0.7	0.4	<0.5
MK11-205	651437	5520932	<0.1	3.8	2.1	0.7	0.3	<0.5
MK11-206	651457	5520889	<0.1	4.3	0.5	0.5	0.3	0.7
MK11-207	651479	5520838	<0.1	4.4	4.3	0.7	0.4	<0.5
MK11-208	651500	5520794	0.4	4	3.2	0.8	0.2	0.9
MK11-209	651557	5520777	<0.1	3.6	13.6	0.7	0.2	<0.5
MK11-210	651595	5520744	0.4	5.3	7.5	0.9	0.4	<0.5
MK11-211	651646	5520732	0.2	4.4	9.1	1.2	0.4	<0.5
MK11-212	651696	5520729	<0.1	3.7	3.5	1.1	0.4	<0.5
MK11-213	651742	5520732	<0.1	4.3	2.6	0.7	0.4	<0.5
MK11-214	651776	5520703	<0.1	5.1	7.4	0.8	0.5	<0.5
MK11-215	651805	5520654	<0.1	4.5	7.7	1	0.4	<0.5
MK11-216	651829	5520617	<0.1	5.7	19.3	0.8	0.4	<0.5
MK11-217	651845	5520577	<0.1	6.1	3.7	0.9	0.4	<0.5
MK11-218	651867	5520528	0.1	2.2	1.7	0.5	0.3	<0.5
MK11-219	651880	5520488	<0.1	4.3	1.1	0.7	0.3	<0.5
MK11-220	651867	5520428	0.2	3.4	1.7	0.5	0.2	<0.5
MK11-221	651878	5520386	<0.1	2.8	1	0.7	0.2	<0.5
MK11-222	651902	5520345	<0.1	4.6	2.3	0.9	0.4	<0.5
MK11-223	651922	5520293	0.1	1.7	<0.5	0.4	0.1	<0.5
MK11-224	651936	5520247	0.1	2.7	1.1	0.5	0.2	<0.5
MK11-225	651961	5520206	<0.1	1.8	0.6	0.4	0.2	<0.5
MK11-226	650957	5520969	0.1	3.1	0.9	0.4	0.2	<0.5
MK11-227	650967	5521016	0.1	4.8	2.9	0.6	0.4	<0.5
MK11-228	650987	5521062	<0.1	3.6	2	0.5	0.4	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-229	650998	5521111	<0.1	9.3	9.6	0.7	0.8	<0.5
MK11-230	651038	5521131	0.1	11.3	14.4	0.7	0.7	<0.5
MK11-231	651082	5521163	<0.1	2.5	0.6	0.4	0.1	<0.5
MK11-232	651754	5523619	0.2	5.7	1.6	1.4	0.3	<0.5
MK11-233	651791	5523584	0.1	4.7	4	0.8	0.4	<0.5
MK11-234	651814	5523536	<0.1	3.2	2.7	0.6	0.3	<0.5
MK11-235	651822	5523495	<0.1	5	19.3	0.7	0.4	<0.5
MK11-236	651841	5523443	<0.1	3.4	1.4	0.5	0.3	<0.5
MK11-237	651854	5523394	0.2	4.5	57.9	0.6	0.3	0.5
MK11-238	651905	5523394	0.3	6.8	11.8	1.1	0.4	0.6
MK11-239	651952	5523388	<0.1	4.6	1.9	0.8	0.3	<0.5
MK11-240	652004	5523374	0.1	6.3	12.4	1.1	0.4	0.6
MK11-241	652058	5523388	0.2	8.6	23.2	1	0.6	0.7
MK11-242	652109	5523375	<0.1	5.7	3.8	0.5	0.3	<0.5
MK11-243	652148	5523356	0.1	6.9	5.6	0.9	0.4	<0.5
MK11-244	652169	5523310	0.1	10.1	19.7	1.4	0.5	<0.5
MK11-245	652177	5523258	0.1	4.2	1.5	1.1	0.3	<0.5
MK11-246	652193	5523216	0.1	4.9	2.8	1	0.3	<0.5
MK11-247	652217	5523173	0.1	3.1	15.6	0.6	0.4	<0.5
MK11-248	652265	5523150	0.2	9.5	15	1.1	0.5	<0.5
MK11-249	652297	5523627	<0.1	3.6	7.4	0.9	0.5	<0.5
MK11-250	652297	5523578	0.1	6.3	46.7	0.9	0.5	<0.5
MK11-251	652288	5523531	<0.1	7.4	13.7	1.1	0.5	<0.5
MK11-252	652277	5523480	<0.1	5.1	8.8	0.9	0.7	<0.5
MK11-253	652261	5523432	<0.1	4.4	3.4	0.9	0.5	<0.5
MK11-254	652261	5523384	0.1	2.1	1.4	0.8	0.3	<0.5
MK11-255	652265	5523340	0.2	5.3	23.4	1	0.5	<0.5
MK11-256	652264	5523287	0.1	3.9	6.1	0.9	0.4	<0.5
MK11-257	652264	5523238	0.2	7.4	13.9	1	0.6	<0.5
MK11-258	652264	5523191	0.2	4.4	7.1	0.8	0.4	<0.5
MK11-259	652281	5523104	0.3	4.2	5.3	1.2	0.3	<0.5
MK11-260	652272	5523051	0.4	5.9	11.6	0.9	0.4	<0.5
MK11-261	652256	5523006	0.2	5.2	6	1	0.3	<0.5
MK11-262	652258	5522955	0.2	5.6	7.5	0.8	0.3	<0.5
MK11-263	652263	5522908	0.1	6.8	7.9	0.9	0.4	<0.5
MK11-264	652272	5522862	0.1	3.5	1.5	0.9	0.3	<0.5
MK11-265	652279	5522809	0.1	7.6	9.4	2.1	0.5	<0.5
MK11-266	652287	5522763	0.2	6.5	12	1	0.4	<0.5
MK11-267	652279	5522707	0.1	6.5	9	0.8	0.5	<0.5
MK11-268	652267	5522650	<0.1	5.4	4.4	0.7	0.4	<0.5
MK11-269	652253	5522604	<0.1	3.1	1.7	0.8	0.4	<0.5
MK11-270	652245	5522558	<0.1	5.8	5.7	0.8	0.5	<0.5
MK11-271	652241	5522508	0.1	3.4	1.5	0.6	0.3	<0.5
MK11-272	652261	5522470	<0.1	3	1.8	0.6	0.3	<0.5
MK11-273	652298	5522417	<0.1	6.7	3.1	0.7	0.5	<0.5
MK11-274	652314	5522380	<0.1	5.4	2.8	0.7	0.4	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
MK11-275	652316	5522328	0.1	6.2	4.8	0.7	0.5	<0.5
MK11-276	652314	5522280	<0.1	6.8	5.9	0.7	0.5	<0.5
MK11-277	652336	5522237	0.2	7.3	14.9	0.9	0.4	<0.5
MK11-278	652349	5522184	0.1	4.3	3	1.1	0.3	<0.5
MK11-279	652399	5522155	<0.1	5.8	0.6	0.7	0.4	<0.5
MK11-280	652431	5522121	<0.1	8.1	52.6	0.8	0.5	<0.5
MK11-281	652460	5522076	<0.1	5.7	5.5	0.8	0.4	<0.5
MK11-282	652498	5522044	<0.1	6.9	6.3	0.7	0.4	<0.5
MK11-283	652546	5522023	0.2	4.8	3.1	0.7	0.3	0.6
MK11-284	652590	5522020	0.1	4.6	3.8	0.6	0.4	<0.5
MK11-285	652644	5522010	0.1	3.6	2.4	0.6	0.2	0.5
MK11-286	652701	5522000	0.1	6.8	5.3	0.7	0.4	<0.5
MK11-287	652746	5522009	<0.1	6.4	4.4	0.8	0.5	<0.5
MK11-288	652795	5522043	0.1	5.6	7.4	0.7	0.4	<0.5
MK11-289	652841	5522034	0.1	6.1	4.8	0.7	0.6	<0.5
MK11-290	652880	5522008	0.1	3.7	1.1	0.7	0.3	<0.5
MK11-291	652921	5521968	<0.1	5.4	2.9	0.8	0.3	0.5
MK11-292	652940	5521931	0.2	7.4	56.1	0.7	0.4	<0.5
MK11-293	652961	5521882	<0.1	2.3	1.2	0.9	0.3	<0.5
MK11-294	652984	5521829	<0.1	6.4	2.1	0.9	0.4	<0.5
MK11-295	653008	5521797	<0.1	3.6	1.5	1.3	0.2	<0.5
EB11-01	651917	5519330	<0.1	3.2	1.1	0.4	0.2	<0.5
EB11-02	651897	5519283	0.1	2.5	1.1	0.7	0.2	<0.5
EB11-03	651878	5519238	<0.1	2.5	0.7	0.7	0.2	<0.5
EB11-04	651864	5519190	<0.1	3.5	6.2	0.6	0.3	<0.5
EB11-05	651841	5519144	<0.1	3.8	13.2	0.6	0.3	<0.5
EB11-06	651809	5519106	<0.1	4.5	3.8	0.9	0.4	<0.5
EB11-07	651786	5519063	<0.1	2.5	3.6	0.6	0.2	<0.5
EB11-08	651775	5519018	<0.1	8.8	2.2	0.9	0.4	<0.5
EB11-09	651764	5518973	<0.1	2.2	2.6	0.7	0.2	<0.5
EB11-10	651760	5518912	0.3	5	2.7	0.7	0.4	<0.5
EB11-11	651768	5518866	0.2	2.5	8.6	0.7	0.3	<0.5
EB11-12	651734	5518826	<0.1	4.2	1.6	0.6	0.4	<0.5
EB11-13	651712	5518795	<0.1	4.1	18.1	0.7	0.4	<0.5
EB11-14	651676	5518743	<0.1	5.9	3.9	0.8	0.4	<0.5
EB11-16	651591	5518683	0.3	5.5	8.1	0.6	0.3	<0.5
EB11-17	651551	5518663	0.1	7.6	2.6	1.1	0.4	<0.5
EB11-18	651509	5518644	<0.1	3.2	3.6	0.8	0.3	<0.5
EB11-19	651477	5518605	<0.1	5.8	11	1.2	0.4	<0.5
EB11-20	651447	5518563	<0.1	4.9	10.6	0.6	0.4	<0.5
EB11-21	651414	5518523	<0.1	3.3	0.7	0.6	0.2	<0.5
EB11-22	651392	5518484	<0.1	5.1	1.2	0.7	0.3	<0.5
EB11-23	651382	5518437	<0.1	2	1	0.3	<0.1	<0.5
EB11-24	651370	5518389	<0.1	2.5	1.4	0.4	0.1	<0.5
EB11-25	651361	5518339	<0.1	5.1	3.3	0.5	0.3	<0.5
EB11-26	651363	5518292	<0.1	4.9	0.9	0.6	0.3	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-27	651372	5518242	0.1	7.5	19.1	0.6	0.3	<0.5
EB11-28	651373	5518186	<0.1	7.8	1.2	0.7	0.3	<0.5
EB11-29	651364	5518140	<0.1	7.9	2.2	0.8	0.4	<0.5
EB11-30	651348	5518095	<0.1	8.2	2.9	0.6	0.4	<0.5
EB11-31	651351	5518045	<0.1	9	2.4	0.7	0.5	<0.5
EB11-32	651359	5517997	<0.1	7.6	6	0.6	0.4	<0.5
EB11-33	651364	5517945	<0.1	6.4	1.3	0.5	0.3	<0.5
EB11-34	651394	5517906	<0.1	7.2	2.1	0.5	0.3	<0.5
EB11-35	651410	5517857	<0.1	6.2	1.3	0.5	0.3	<0.5
EB11-36	651414	5517808	<0.1	3.9	0.8	0.7	0.3	<0.5
EB11-37	651443	5517771	<0.1	7.2	2.1	0.6	0.3	<0.5
EB11-38	651479	5517732	<0.1	6.3	1.3	0.5	0.3	<0.5
EB11-39	651510	5517697	<0.1	6.7	1.8	0.5	0.3	<0.5
EB11-40	651534	5517654	<0.1	5.1	1	0.7	0.3	<0.5
EB11-41	651571	5517623	<0.1	7.5	2.4	0.5	0.3	<0.5
EB11-42	651612	5517601	<0.1	5.5	1.4	0.9	0.3	<0.5
EB11-43	651661	5517601	<0.1	4.9	1	0.7	0.3	<0.5
EB11-44	651713	5517603	<0.1	3.3	1.4	0.8	0.3	<0.5
EB11-45	651761	5517614	<0.1	2.3	0.7	0.5	0.2	<0.5
EB11-46	651812	5517616	<0.1	3.7	0.5	0.7	0.4	<0.5
EB11-47	651860	5517620	<0.1	2.6	0.6	0.5	0.3	<0.5
EB11-48	651907	5517603	<0.1	2.3	2	0.6	0.3	<0.5
EB11-49	651956	5517589	<0.1	2.1	2.3	0.6	0.3	<0.5
EB11-50	651988	5517554	<0.1	2.3	1	0.6	0.3	<0.5
EB11-51	652027	5517528	<0.1	6.7	2.6	1	0.6	<0.5
EB11-52	652067	5517500	<0.1	2.5	1	0.7	0.3	<0.5
EB11-53	652111	5517473	<0.1	3.3	2.8	0.5	0.2	<0.5
EB11-54	652149	5517442	<0.1	4.3	2	1	0.3	<0.5
EB11-55	652191	5517418	<0.1	4.3	1.5	0.7	0.3	<0.5
EB11-56	652236	5517396	<0.1	3.3	1.2	0.7	0.3	<0.5
EB11-57	652263	5517390	<0.1	3	0.8	1.1	0.3	<0.5
EB11-58	651644	5517564	<0.1	5.5	3.5	0.5	0.3	<0.5
EB11-59	651693	5517560	<0.1	5.7	29	0.6	0.6	<0.5
EB11-60	651713	5517514	<0.1	4.5	2.1	0.6	0.3	<0.5
EB11-61	651696	5517465	<0.1	2.4	2.3	0.7	0.2	<0.5
EB11-62	651678	5517419	<0.1	4.6	15.3	2.3	0.4	<0.5
EB11-63	651663	5517372	<0.1	5.1	2.8	0.6	0.3	<0.5
EB11-64	651643	5517326	<0.1	4.7	2	1.1	0.3	<0.5
EB11-65	651627	5517280	<0.1	6.9	2.7	0.8	0.4	<0.5
EB11-66	651591	5517244	<0.1	5.4	4.1	0.9	0.4	<0.5
EB11-67	651540	5517254	<0.1	3.8	0.9	0.9	0.3	<0.5
EB11-68	651493	5517255	<0.1	6.3	3.9	1	0.4	<0.5
EB11-69	651448	5517242	<0.1	4.6	1.7	0.9	0.3	<0.5
EB11-70	651415	5517201	<0.1	3.5	1.3	0.7	0.3	<0.5
EB11-71	651386	5517165	<0.1	5.5	3.4	0.7	0.4	<0.5
EB11-72	651365	5517121	<0.1	6.3	4.3	0.9	0.4	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-73	651343	5517076	<0.1	5.1	1.6	1.3	0.3	<0.5
EB11-74	651317	5517030	<0.1	4.6	2.2	1.6	0.2	<0.5
EB11-75	651290	5516991	0.1	5.2	1.5	1.6	0.3	<0.5
EB11-76	651265	5516946	0.4	5.4	1.9	1	0.2	<0.5
EB11-77	651224	5516912	<0.1	1.2	1.9	0.4	<0.1	<0.5
EB11-78	651181	5516895	<0.1	4.5	1.3	0.9	0.1	<0.5
EB11-79	651159	5516852	<0.1	1.3	<0.5	0.3	<0.1	<0.5
EB11-80	651106	5516832	<0.1	4.3	1.8	0.7	0.2	<0.5
EB11-81	651780	5518955	<0.1	4.1	37.9	0.9	0.3	<0.5
EB11-82	651812	5518927	0.1	3.1	2.6	0.6	0.2	<0.5
EB11-83	651852	5518886	0.1	2.1	2.5	0.6	0.3	0.7
EB11-84	651837	5518839	0.1	0.6	7.2	0.6	0.2	0.7
EB11-85	651835	5518790	0.1	1.3	3	0.5	0.2	1.2
EB11-86	651846	5518738	0.1	2.1	1.3	0.5	0.2	0.9
EB11-87	651851	5518696	0.1	2.9	4.4	0.6	0.3	0.8
EB11-88	651870	5518650	<0.1	1.4	1.7	0.5	0.2	0.6
EB11-89	651891	5518610	<0.1	3.6	3.2	0.5	0.3	0.8
EB11-90	651916	5518558	0.1	2.8	1.1	0.5	0.2	<0.5
EB11-91	651925	5518526	<0.1	1.9	1.7	0.7	0.2	0.7
EB11-92	651949	5518471	<0.1	2.2	<0.5	0.7	0.1	0.5
EB11-93	651995	5518449	<0.1	3.2	0.7	0.7	0.3	<0.5
EB11-94	652030	5518412	<0.1	2.1	0.6	0.5	0.3	<0.5
EB11-95	652034	5518395	<0.1	5.5	0.8	0.7	0.4	0.5
BN11-97	651835	5521592	<0.1	4.3	2.9	0.8	0.4	<0.5
BN11-98	651794	5521611	<0.1	3.7	1.7	0.8	0.3	0.7
BN11-99	651753	5521639	0.1	6.6	3.8	0.7	0.5	<0.5
EB11-100	651706	5521649	0.2	5.1	9.8	1.1	0.4	<0.5
EB11-101	651658	5521656	<0.1	5	3.7	1	0.3	0.6
EB11-102	651607	5521661	0.1	4.7	3.8	0.9	0.3	0.8
EB11-103	651558	5521666	0.1	2.6	2.8	0.7	0.2	0.6
EB11-104	651508	5521670	0.1	5	3.4	0.9	0.3	<0.5
EB11-105	651459	5521680	<0.1	5.4	2.5	1.2	0.3	<0.5
EB11-106	651410	5521690	<0.1	4.4	1.2	0.5	0.2	<0.5
EB11-107	651360	5521695	0.1	7.2	9.7	1.2	0.3	0.6
EB11-108	651312	5521689	0.1	6.9	3.2	1.2	0.2	<0.5
EB11-109	651261	5521678	0.1	5.2	2.2	0.8	0.3	<0.5
EB11-110	651211	5521673	0.1	8.2	2.5	1	0.3	<0.5
EB11-111	651163	5521672	<0.1	5.1	1.8	0.8	0.3	<0.5
EB11-112	651113	5521675	0.2	6.7	264.2	0.9	0.4	0.5
EB11-113	651061	5521678	0.2	9.6	3.8	0.9	0.3	<0.5
EB11-114	651012	5521682	<0.1	5.7	8.4	1	0.3	<0.5
EB11-115	650965	5521695	<0.1	2.8	0.6	0.6	0.3	<0.5
EB11-116	650919	5521717	<0.1	5.1	3.1	0.8	0.3	<0.5
EB11-117	650875	5521739	0.2	4.8	1.9	0.9	0.3	<0.5
EB11-118	650827	5521762	0.2	5.2	3.1	1.1	0.4	<0.5
EB11-119	650785	5521787	<0.1	4.1	3.3	0.9	0.3	<0.5



Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-120	650738	5521801	<0.1	2.2	1.6	0.8	0.3	<0.5
EB11-121	650685	5521812	<0.1	1.1	1	0.5	0.2	<0.5
EB11-122	650660	5521811	<0.1	3.9	2.9	0.7	0.3	<0.5
EB11-123	650636	5521813	0.1	7	19.6	1.2	0.5	<0.5
EB11-124	650610	5521820	<0.1	5.7	12.8	0.9	0.5	<0.5
EB11-125	650586	5521827	0.1	5.9	4.8	0.9	0.5	<0.5
EB11-126	650561	5521831	<0.1	5	4.4	1	0.4	<0.5
EB11-127	650539	5521844	<0.1	2.6	2.3	1	0.4	<0.5
EB11-128	650518	5521856	0.1	2	2	0.6	0.3	<0.5
EB11-129	650492	5521867	<0.1	1.7	1.5	0.6	0.2	<0.5
EB11-130	650473	5521883	<0.1	2.6	9.2	0.8	0.3	<0.5
EB11-131	650452	5521900	<0.1	2.7	<0.5	0.7	0.3	<0.5
EB11-132	650439	5521919	<0.1	2.6	1.3	0.8	0.4	<0.5
EB11-133	650420	5521942	<0.1	2.4	3.3	0.8	0.3	<0.5
EB11-134	650401	5521957	<0.1	2	12.1	0.6	0.3	<0.5
EB11-135	650380	5521976	<0.1	2.5	3	0.5	0.3	<0.5
EB11-136	650341	5522018	<0.1	3	<0.5	0.9	0.2	<0.5
EB11-137	650294	5522041	<0.1	3.1	0.7	0.6	0.2	<0.5
EB11-138	650247	5522058	<0.1	2	0.6	0.8	0.2	<0.5
EB11-139	650193	5522078	<0.1	1.9	<0.5	0.7	0.1	<0.5
EB11-140	650143	5522086	0.1	4.1	<0.5	0.7	0.1	<0.5
EB11-141	653309	5523662	<0.1	7.9	5.6	0.7	0.7	<0.5
EB11-142	653281	5523615	<0.1	6.8	1.9	0.7	0.5	<0.5
EB11-143	653235	5523608	<0.1	6.9	2.5	0.8	0.5	<0.5
EB11-144	653189	5523602	0.1	6.4	2.4	0.8	0.5	<0.5
EB11-145	653134	5523607	<0.1	8	2.9	0.8	0.4	<0.5
EB11-146	653091	5523581	<0.1	6.5	3.9	0.7	0.5	<0.5
EB11-147	653042	5523549	0.1	7.3	6	0.9	0.5	<0.5
EB11-148	653017	5523516	<0.1	7.1	3.2	0.6	0.4	<0.5
EB11-149	652980	5523481	0.2	5.8	2.7	0.8	0.4	<0.5
EB11-150	652960	5523437	0.1	4.6	1.5	0.7	0.4	<0.5
EB11-151	652936	5523394	<0.1	6.5	4.6	0.7	0.5	<0.5
EB11-152	652942	5523337	<0.1	2.9	<0.5	0.5	0.3	<0.5
EB11-153	652947	5523287	<0.1	2.5	1.6	0.7	0.3	<0.5
EB11-154	652956	5523238	<0.1	2.2	1.1	0.7	0.3	<0.5
EB11-155	652988	5523198	<0.1	2.3	5.5	0.8	0.3	<0.5
EB11-156	652984	5523149	0.1	3.8	3.7	0.8	0.4	<0.5
EB11-157	653005	5523103	0.1	3.7	0.7	0.8	0.3	<0.5
EB11-158	653027	5523058	<0.1	4.3	3.1	0.9	0.3	<0.5
EB11-159	653051	5523019	<0.1	2.9	1.7	0.5	0.3	0.6
EB11-160	653064	5522973	0.1	4.4	1	0.6	0.4	<0.5
EB11-161	653058	5522920	<0.1	2.2	1.7	0.7	0.3	<0.5
EB11-162	653042	5522876	<0.1	7	9.5	0.8	0.4	<0.5
EB11-163	653053	5522825	0.1	4.1	5.3	0.7	0.3	<0.5
EB11-164	653074	5522779	<0.1	4.5	2.8	0.7	0.4	<0.5
EB11-165	653100	5522736	0.1	5.4	2.7	0.8	0.4	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-166	653129	5522700	<0.1	1.7	11.5	0.5	0.2	<0.5
EB11-167	653157	5522656	<0.1	7.7	7.2	0.7	0.5	<0.5
EB11-168	653191	5522626	0.2	5.6	<0.5	1.4	0.3	<0.5
EB11-169	653236	5522612	0.1	4.3	1.7	0.9	0.3	<0.5
EB11-170	653286	5522608	0.1	5.4	1.1	0.8	0.3	<0.5
EB11-171	653309	5522565	0.1	5.4	1.1	0.8	0.3	<0.5
EB11-172	653313	5522517	0.2	11.3	1	1	0.8	<0.5
EB11-173	653288	5522466	<0.1	4.6	2	0.3	0.3	<0.5
EB11-174	653268	5522429	<0.1	4.6	4.2	0.9	0.4	<0.5
EB11-175	653245	5522379	<0.1	2.4	4.6	0.8	0.2	<0.5
EB11-176	653241	5522330	<0.1	3.7	2.5	0.8	0.3	<0.5
EB11-177	653225	5522281	0.1	4.4	1.2	0.8	0.3	<0.5
EB11-178	653209	5522234	0.1	4.6	2.3	0.8	0.3	<0.5
EB11-179	653195	5522188	0.1	3	1.2	0.8	0.3	<0.5
EB11-180	653192	5522141	<0.1	3.5	0.9	0.7	0.3	<0.5
EB11-181	653221	5522101	<0.1	2.8	6.1	0.9	0.2	<0.5
EB11-182	653236	5522058	0.1	4.2	0.7	0.9	0.4	<0.5
EB11-183	653212	5522020	<0.1	3.1	1.4	0.6	0.3	<0.5
EB11-184	653188	5521977	<0.1	3.8	11.2	0.6	0.3	<0.5
EB11-185	653167	5521933	<0.1	4.8	1.1	1.4	0.3	<0.5
EB11-186	653143	5521889	0.3	8.1	0.5	0.9	0.3	<0.5
EB11-187	653113	5521847	0.2	4.5	2	0.8	0.3	<0.5
EB11-188	653081	5521814	0.2	4.1	3.1	0.7	0.3	<0.5
EB11-189	653070	5521774	0.1	4.3	4.9	0.8	0.4	<0.5
EB11-190	653114	5521755	0.1	5.8	10.6	1	0.4	<0.5
EB11-191	653164	5521747	0.1	7.3	2.6	1.1	0.5	<0.5
EB11-192	653213	5521741	0.1	6.6	2.8	1.1	0.3	<0.5
EB11-193	651889	5521605	<0.1	1.9	<0.5	0.8	0.2	<0.5
EB11-194	651921	5521598	<0.1	3.5	1.8	0.8	0.3	<0.5
EB11-195	651942	5521595	<0.1	2.6	<0.5	0.6	0.2	<0.5
EB11-196	651970	5521595	<0.1	2.8	<0.5	1	0.2	<0.5
EB11-197	651991	5521591	0.1	3.8	<0.5	0.7	0.3	<0.5
EB11-198	652041	5521592	<0.1	2.8	<0.5	0.7	0.2	<0.5
EB11-199	652043	5521577	<0.1	2.4	0.9	0.4	0.2	<0.5
EB11-200	652071	5521553	<0.1	3.3	1.3	0.6	0.2	<0.5
EB11-201	652121	5521552	<0.1	4.1	1.9	0.7	0.3	<0.5
EB11-202	652173	5521532	<0.1	4.1	1.6	0.6	0.3	<0.5
EB11-203	652210	5521506	0.1	5.4	2.9	0.6	0.3	<0.5
EB11-204	652253	5521481	<0.1	4.9	0.9	0.6	0.3	<0.5
EB11-205	652366	5521403	0.2	9.7	4.5	1	0.5	<0.5
EB11-206	652409	5521377	<0.1	5.6	2.2	0.8	0.4	0.5
EB11-207	652455	5521363	0.1	8.7	2.7	1	0.5	<0.5
EB11-208	652502	5521352	<0.1	7.8	1.6	0.7	0.4	<0.5
EB11-209	652526	5521347	<0.1	7.8	2.4	0.6	0.4	<0.5
EB11-210	652550	5521337	0.4	14.3	11.9	1.5	0.6	0.8
EB11-211	652571	5521285	0.1	10.3	11.5	0.8	0.6	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-212	652619	5521266	<0.1	9.1	3.5	0.8	0.5	<0.5
EB11-213	652665	5521246	<0.1	9.5	4	0.9	0.6	<0.5
EB11-214	652710	5521228	0.1	7.5	3.4	0.6	0.4	<0.5
EB11-215	652750	5521204	0.1	9.9	7.1	0.8	0.7	<0.5
EB11-216	652780	5521180	<0.1	8.4	5.9	0.9	0.5	<0.5
EB11-217	652801	5521131	0.1	7.8	4	0.9	0.5	<0.5
EB11-218	652829	5521101	0.1	8	4.8	0.9	0.5	0.8
EB11-219	652880	5521087	<0.1	7.4	8	1	0.5	<0.5
EB11-220	652931	5521087	<0.1	7.3	3.8	0.7	0.5	<0.5
EB11-221	652956	5521087	<0.1	6	0.9	0.7	0.4	<0.5
EB11-222	652980	5521086	<0.1	1.6	0.8	0.5	0.3	<0.5
EB11-223	652307	5523601	0.1	4.8	26.7	0.6	0.3	<0.5
EB11-224	652302	5523585	0.2	7	12.1	0.9	0.4	<0.5
EB11-225	652295	5523554	<0.1	3.9	4.2	0.6	0.3	<0.5
EB11-226	652280	5523502	<0.1	5.3	6	0.7	0.4	<0.5
EB11-227	652261	5523307	0.1	4.2	26.6	0.8	0.3	<0.5
EB11-228	652260	5523258	0.1	4	8.2	1	0.3	<0.5
EB11-229	652258	5523356	0.1	4.8	8.7	0.9	0.4	<0.5
EB11-230	652263	5523206	0.2	4.3	10	0.8	0.3	<0.5
EB11-231	651836	5523469	<0.1	2.6	1.3	0.4	0.2	<0.5
EB11-232	651820	5523518	<0.1	2.5	0.6	0.5	0.2	<0.5
EB11-233	651853	5523423	<0.1	2.6	20.8	0.6	0.2	<0.5
EB11-234	652159	5523335	0.2	4.8	6.3	0.8	0.3	<0.5
EB11-235	652172	5523285	0.2	3.4	2.5	0.8	0.2	<0.5
EB11-236	652201	5523193	0.1	3.6	11.3	0.8	0.3	<0.5
MK11-246D	652192	5523213	0.1	5.5	3.5	1	0.2	<0.5
EB11-237	652281	5522783	<0.1	5.5	5.8	0.9	0.4	<0.5
EB11-238	652281	5522733	<0.1	5.6	8.1	0.6	0.4	<0.5
EB11-239	652325	5522258	0.1	3.8	2.2	0.6	0.3	<0.5
EB11-240	652416	5522139	<0.1	3.5	1	0.9	0.3	<0.5
EB11-241	652446	5522093	0.1	3.2	1.8	0.6	0.2	<0.5
EB11-242	652928	5521949	0.1	2.1	1.1	0.7	0.2	<0.5
EB11-243	652949	5521901	<0.1	2.7	1	0.8	0.2	<0.5
EB11-244	651726	5521645	<0.1	3.9	8.3	0.6	0.3	<0.5
EB11-245	651681	5521657	<0.1	4	1.7	0.8	0.2	<0.5
EB11-246	651384	5521692	0.1	4.6	2.3	0.9	0.2	<0.5
EB11-247	651334	5521697	<0.1	6.5	2.6	1	0.2	<0.5
EB11-248	651137	5521669	<0.1	5.8	3.7	1.4	0.3	<0.5
EB11-249	651087	5521673	<0.1	5.9	7.2	0.8	0.5	<0.5
EB11-250	651107	5521669	<0.1	4.6	4.9	0.9	0.3	<0.5
EB11-251	651119	5521672	0.1	6.2	8.5	1	0.4	<0.5
EB11-112D	651113	5521675	0.1	7.4	13.2	1.1	0.4	<0.5
EB11-252	650647	5521808	<0.1	5.2	6.1	0.9	0.4	<0.5
EB11-253	650620	5521813	0.1	5.3	12	0.8	0.5	<0.5
EB11-254	650598	5521818	<0.1	4.4	3.6	0.8	0.4	<0.5
EB11-255	650412	5521944	<0.1	1.6	2.2	1.3	0.2	<0.5

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
EB11-256	650382	5521967	0.1	1.8	300	1	0.3	<0.5
EB11-257	653062	5519712	<0.1	6.5	4.2	0.6	0.4	<0.5
EB11-258	653107	5519691	<0.1	6.9	11	0.7	0.4	<0.5
EB11-259	653155	5519681	<0.1	5.8	4.3	0.8	0.4	<0.5
EB11-260	653198	5519654	<0.1	4.5	2.5	0.8	0.4	<0.5
EB11-261	652888	5519795	<0.1	5.7	4.8	0.9	0.4	<0.5
EB11-262	652919	5519756	0.1	4.1	4.7	0.9	0.4	<0.5
EB11-263	652280	5519604	0.1	2.7	2.8	0.6	0.2	<0.5
EB11-264	652304	5519646	<0.1	3.8	2.3	0.8	0.4	<0.5
EB11-265	652342	5519669	0.1	2.8	1.8	0.7	0.2	<0.5
EB11-266	652388	5519694	<0.1	4.6	9.8	0.8	0.4	<0.5
EB11-267	651667	5517396	<0.1	3.9	2.5	1.7	0.3	<0.5
EB11-268	651687	5517444	<0.1	4.7	3	2.1	0.3	<0.5
EB11-269	651708	5517538	<0.1	2.4	1.3	0.6	0.2	<0.5
EB11-270	651668	5517559	<0.1	5.2	1.2	0.8	0.4	<0.5
EB11-271	651373	5518216	<0.1	4.7	1.7	0.6	0.2	<0.5
EB11-272	651367	5518265	<0.1	2.2	1.5	0.5	0.3	<0.5
EB11-273	651427	5518547	<0.1	4.5	2.7	0.7	0.3	<0.5
EB11-274	651457	5518586	<0.1	5.8	6.2	0.9	0.4	<0.5
EB11-275	651490	5518624	<0.1	5	3.4	0.8	0.3	<0.5
EB11-276	650918	5519582	<0.1	2.8	2.3	0.6	0.2	<0.5
EB11-277	650911	5519633	<0.1	3.6	34.6	0.7	0.3	<0.5
EB11-278	650849	5519824	<0.1	13.8	1.7	6.2	0.2	<0.5
EB11-279	650689	5520346	0.2	3	1.9	0.5	0.2	<0.5
EB11-280	650672	5520395	0.1	4.4	8.1	0.8	0.3	<0.5
EB11-281	650830	5520759	0.1	8.7	7.3	0.7	0.8	<0.5
EB11-282	650863	5520797	<0.1	6.1	6.1	0.8	0.5	<0.5
EB11-283	652761	5518275	<0.1	11.1	3	0.9	0.4	<0.5
EB11-284	651577	5520761	0.2	3.7	3.7	0.8	0.3	<0.5
EB11-285	651536	5520791	0.1	2.5	1.6	0.6	0.2	<0.5
EB11-286	651325	5520937	<0.1	2.7	2.8	0.5	0.2	<0.5
EB11-287	651268	5520921	<0.1	3.9	3	0.8	0.4	<0.5
EB11-288	651012	5521128	<0.1	6.3	4.6	0.7	0.5	<0.5
EB11-289	651065	5521134	<0.1	8.6	7.3	0.6	0.7	<0.5
EB11-290	651846	5520597	<0.1	4.2	13.9	0.7	0.3	<0.5
EB11-291	651817	5520639	<0.1	2.6	105	0.6	0.3	<0.5
EB11-292	650520	5521622	<0.1	4.2	6.4	0.5	0.5	0.5
EB11-293	650637	5516172	<0.1	3.7	1.8	0.6	0.2	<0.5
EB11-294	650518	5515927	<0.1	4	1.9	0.7	0.3	<0.5
EB11-295	650143	5515679	<0.1	4.6	1.3	0.7	0.2	<0.5
EB11-296	649451	5513229	<0.1	3.8	5.6	0.4	0.2	<0.5
EB11-297	649629	5513302	<0.1	4	1.4	1	0.2	<0.5
EB11-298	650748	5515625	<0.1	4.3	0.7	0.5	0.2	<0.5
EB11-299	649653	5513319	0.1	3.6	<0.5	0.9	0.2	<0.5
EB11-300	649969	5513419	0.2	7.1	3.1	0.9	0.2	0.5
EB11-301	650487	5513768	<0.1	5	1.4	0.7	0.2	<0.5

<b>Sample</b>	<b>83Z10E</b>	<b>83Z10N</b>	<b>ppm Ag</b>	<b>ppm As</b>	<b>ppb Au</b>	<b>ppm Mo</b>	<b>ppm Sb</b>	<b>ppm Se</b>
EB11-302	651405	5514310	<0.1	3.4	0.6	0.6	0.2	<0.5
EB11-303	652078	5513804	<0.1	3.9	0.9	0.7	0.2	<0.5
EB11-304	652772	5514596	<0.1	5.2	1.6	0.6	0.3	<0.5
EB11-305	652580	5515470	<0.1	5.7	1.6	0.6	0.3	<0.5
EB11-306	652642	5518290	<0.1	7.8	2.3	1	0.4	<0.5
EB11-307	652697	5518293	<0.1	7.8	3.2	0.8	0.4	<0.5
EB11-308	652802	5518273	<0.1	3.9	1.1	0.9	0.3	<0.5
EB11-309	652853	5518262	<0.1	7.9	1.8	0.6	0.4	<0.5
EB11-310	652893	5518243	<0.1	3.3	<0.5	0.5	0.1	<0.5
EB11-311	652942	5518217	<0.1	6.9	2.5	0.9	0.4	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT001	652823	5518902	<0.1	1.7	<0.5	0.6	0.1	<0.5
PM11JT002	652803	5518908	<0.1	5.7	0.5	0.9	0.2	1.7
PM11JT003	652777	5518900	<0.1	3.1	3.8	0.8	0.3	<0.5
PM11JT004	652753	5518906	<0.1	2.9	1.2	0.6	0.2	0.6
PM11JT005	652728	5518906	<0.1	3.5	<0.5	0.6	0.3	<0.5
PM11JT006	652701	5518906	<0.1	2.2	0.7	0.5	0.2	<0.5
PM11JT007	652673	5518900	<0.1	3.2	<0.5	0.8	0.2	<0.5
PM11JT008	652651	5518902	<0.1	2.3	1.9	0.5	0.2	0.8
PM11JT009	652618	5518904	<0.1	3	4.6	0.7	0.2	<0.5
PM11JT010	652602	5518902	<0.1	3.1	<0.5	0.6	0.2	<0.5
PM11JT011	652580	5518908	0.1	2.9	<0.5	0.8	0.2	0.6
PM11JT012	652554	5518905	<0.1	3.1	<0.5	0.5	0.2	<0.5
PM11JT013	652530	5518902	<0.1	2.2	1.4	0.6	0.1	0.6
PM11JT014	652499	5518901	<0.1	2.6	<0.5	0.6	0.2	0.7
PM11JT015	652475	5518903	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11JT016	652450	5518907	<0.1	2.6	<0.5	0.4	0.1	<0.5
PM11JT017	652419	5518905	<0.1	2.8	<0.5	0.3	0.1	0.9
PM11JT018	652399	5518913	<0.1	2.7	3.1	0.6	0.3	<0.5
PM11JT019	652377	5518906	<0.1	2	<0.5	0.6	0.1	<0.5
PM11JT020	652350	5518903	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11JT021	652324	5518902	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11JT022	652300	5518904	<0.1	2.4	<0.5	0.5	0.1	<0.5
PM11JT023	652276	5518899	0.1	1.9	<0.5	0.5	0.2	<0.5
PM11JT024	652249	5518902	<0.1	3.2	<0.5	0.6	0.2	<0.5
PM11JT025	652220	5518894	0.2	3.4	1.6	0.5	0.2	1.5
PM11JT026	652197	5518896	0.1	3.2	<0.5	0.5	0.2	0.6
PM11JT027	652155	5518895	<0.1	4.3	2.7	0.8	0.2	<0.5
PM11JT028	652126	5518901	<0.1	2.6	<0.5	0.7	0.2	<0.5
PM11JT029	652126	5518901	<0.1	2.4	0.8	0.5	0.2	0.9
PM11JT030	652106	5518900	<0.1	2.1	1	0.4	0.2	<0.5
PM11JT031	652077	5518897	<0.1	1.1	69.6	0.6	0.2	0.6
PM11JT032	652049	5518896	<0.1	2.3	6.9	0.5	0.3	0.6
PM11JT033	652025	5518893	<0.1	1.3	4.2	0.3	0.2	0.6
PM11JT034	651999	5518895	<0.1	1.1	1.6	0.4	0.2	<0.5
PM11JT035	651978	5518894	<0.1	3.7	<0.5	0.7	0.3	<0.5
PM11JT036	651959	5518896	0.1	2.4	4.3	0.6	0.3	1.2
PM11JT037	651926	5518906	0.1	2.7	2.1	0.6	0.2	<0.5
PM11JT038	651898	5518911	<0.1	4.1	0.7	0.7	0.2	<0.5
PM11JT039	651875	5518904	0.1	3.3	5	0.6	0.2	<0.5
PM11JT040	651846	5518911	<0.1	3.2	0.9	1	0.2	<0.5
PM11JT041	651826	5518900	0.1	3.9	1	0.7	0.3	<0.5
PM11JT042	651793	5518906	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PM11JT043	651768	5518900	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PM11JT044	651747	5518895	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PM11JT045	651722	5518899	1	9.1	3.7	0.7	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT046	651695	5518896	<0.1	3.8	7.7	0.8	0.4	<0.5
PM11JT047	651660	5518893	<0.1	5	2.1	0.8	0.3	<0.5
PM11JT048	651648	5518894	<0.1	5.4	2.2	0.9	0.4	<0.5
PM11JT049	651625	5518896	<0.1	3.7	2.3	0.7	0.3	<0.5
PM11JT050	651602	5518909	<0.1	3.2	2.2	0.7	0.2	<0.5
PM11JT051	651576	5518906	<0.1	2.4	1	0.5	0.2	<0.5
PM11JT052	651551	5518899	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11JT053	651524	5518890	<0.1	2.7	1.9	0.5	0.2	<0.5
PM11JT054	651511	5518894	<0.1	3.2	1.2	0.4	0.2	<0.5
PM11JT055	651477	5518899	<0.1	2.9	1.6	0.5	0.2	<0.5
PM11JT056	651452	5518900	<0.1	3	<0.5	0.5	0.2	<0.5
PM11JT057	651425	5518897	<0.1	3.1	3.7	0.6	0.2	<0.5
PM11JT058	651405	5518899	<0.1	2.4	0.8	0.5	0.2	<0.5
PM11JT059	651374	5518902	<0.1	3	<0.5	0.5	0.2	<0.5
PM11JT060	651359	5518907	<0.1	3.7	0.8	0.5	0.2	<0.5
PM11JT061	651326	5518896	<0.1	2.1	<0.5	0.4	0.2	<0.5
PM11JT062	651300	5518909	<0.1	2.5	1.5	0.5	0.2	<0.5
PM11JT063	651268	5518905	<0.1	4.9	1	0.5	0.4	<0.5
PM11JT064	651253	5518923	<0.1	7.6	1.7	0.6	0.4	<0.5
PM11JT065	651231	5518907	<0.1	2.8	20.3	0.6	0.3	<0.5
PM11JT066	651188	5518899	<0.1	5.4	5.6	0.5	0.3	<0.5
PM11JT067	651173	5518894	<0.1	3.5	1.2	0.7	0.3	<0.5
PM11JT068	651141	5518901	0.1	3.5	<0.5	0.6	0.3	<0.5
PM11JT069	651120	5518911	<0.1	4.8	1.2	0.5	0.3	<0.5
PM11JT070	651102	5518902	<0.1	3.3	1.2	0.3	0.2	<0.5
PM11JT071	651075	5518920	<0.1	4.7	1.3	0.5	0.3	<0.5
PM11JT072	651050	5518926	<0.1	5.1	2.4	0.5	0.3	<0.5
PM11JT073	651030	5518907	<0.1	3.8	1.1	0.4	0.3	<0.5
PM11JT074	651993	5518897	<0.1	3	1.4	0.6	0.3	<0.5
PM11JT075	651975	5518920	<0.1	3.3	2.4	0.5	0.3	<0.5
PM11JT076	650951	5518899	<0.1	2.5	2.6	0.5	0.2	<0.5
PM11JT077	650923	8818899	<0.1	1.6	<0.5	0.5	0.1	<0.5
PM11JT078	650896	5518895	<0.1	1.5	1.1	0.4	0.2	<0.5
PM11JT079	650872	5518891	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11JT080	650850	5518886	<0.1	2	1.2	0.4	0.2	<0.5
PM11JT081	650829	5518891	<0.1	2.9	1	0.6	0.2	<0.5
PM11JT082	653195	5519403	<0.1	2.6	0.7	0.7	0.2	<0.5
PM11JT083	653175	5519400	<0.1	1.7	2.5	0.4	0.2	<0.5
PM11JT084	653149	5519402	<0.1	1.8	1.8	0.5	0.2	<0.5
PM11JT085	653120	5519401	<0.1	1.3	0.7	0.4	0.1	<0.5
PM11JT086	653098	5519397	0.1	1.7	1.3	0.5	0.2	<0.5
PM11JT087	653071	5519400	<0.1	3	1.9	0.5	0.1	<0.5
PM11JT088	653047	5519400	0.3	2.4	1.2	0.7	0.3	<0.5
PM11JT089	653026	5519410	0.1	2.9	2.1	0.6	0.2	<0.5
PM11JT090	652995	5519403	<0.1	3.1	3.4	0.6	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT091	652966	5519402	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
PM11JT092	652965	5519403	<0.1	3.4	<0.5	0.6	0.2	<0.5
PM11JT093	652948	5519400	<0.1	3.3	5.8	0.6	0.1	<0.5
PM11JT094	652924	5519400	0.1	2.2	2.8	0.5	0.2	<0.5
PM11JT095	652896	5519402	<0.1	2.1	2.9	0.5	0.2	<0.5
PM11JT096	652872	5519401	<0.1	3.3	0.8	0.6	0.2	<0.5
PM11JT097	652849	5519397	<0.1	4.1	3.1	0.7	0.3	<0.5
PM11JT098	652823	5519402	<0.1	3.3	1.9	0.6	0.3	<0.5
PM11JT099	652796	5519398	<0.1	2.7	1.2	0.6	0.2	<0.5
PM11JT100	652777	5519398	<0.1	4	1.3	0.9	0.3	<0.5
PM11JT101	652749	5519399	<0.1	4.7	9.3	0.9	0.3	<0.5
PM11JT102	652732	5519397	<0.1	5	1.8	1	0.3	<0.5
PM11JT103	652701	5519398	<0.1	3.8	5.3	0.8	0.2	<0.5
PM11JT104	652673	5519400	<0.1	2.8	1.8	0.7	0.2	<0.5
PM11JT105	652624	5519399	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM11JT106	652624	5519399	<0.1	2.4	0.9	0.5	0.2	<0.5
PM11JT107	652602	5519395	<0.1	2.2	<0.5	0.4	0.2	<0.5
PM11JT108	652575	5519397	<0.1	2.8	20	0.7	0.3	<0.5
PM11JT109	652547	5519405	<0.1	2	1	0.6	0.3	<0.5
PM11JT110	652525	5519403	<0.1	1.9	2.4	0.5	0.3	<0.5
PM11JT111	652493	5519407	<0.1	4.2	4.5	0.9	0.4	<0.5
PM11JT112	652449	5519401	<0.1	2.9	2.6	0.8	0.2	<0.5
PM11JT113	652449	5519401	<0.1	2.9	1.3	0.6	0.3	<0.5
PM11JT114	652426	5519398	0.1	2.8	3.6	0.5	0.2	<0.5
PM11JT115	652395	5519397	0.2	2.8	1.8	0.4	0.3	<0.5
PM11JT116	652379	5519395	0.1	2.8	0.9	0.6	0.3	<0.5
PM11JT117	652351	5519393	0.1	4	9	0.8	0.4	<0.5
PM11JT118	652319	5519392	0.3	3.1	<0.5	0.5	0.2	<0.5
PM11JT119	652293	5519391	0.2	3.1	6.2	0.5	0.3	<0.5
PM11JT120	652278	5519395	<0.1	3.6	11.5	1	0.4	<0.5
PM11JT121	652247	5519393	0.2	2.5	0.8	0.5	0.2	<0.5
PM11JT122	652226	5519397	0.2	1.9	4.1	0.5	0.2	<0.5
PM11JT123	652195	5519395	0.2	2.5	<0.5	0.5	0.2	<0.5
PM11JT124	652170	5519398	<0.1	2.5	<0.5	0.8	0.2	<0.5
PM11JT125	652143	5519400	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11JT126	652122	5519391	<0.1	2.5	7	0.6	0.2	<0.5
PM11JT127	652099	5519400	<0.1	3.4	1.9	0.7	0.3	<0.5
PM11JT128	652073	5519396	<0.1	3.1	<0.5	0.7	0.2	<0.5
PM11JT129	652051	5519399	<0.1	5.2	<0.5	0.8	0.3	<0.5
PM11JT130	652034	5519397	0.1	3.1	0.5	0.5	0.4	<0.5
PM11JT131	652097	5519704	0.1	4.4	<0.5	0.9	0.3	<0.5
PM11JT132	653127	5519702	0.1	4.5	1.4	0.8	0.3	<0.5
PM11JT133	653158	5519707	<0.1	3.1	0.6	0.7	0.2	<0.5
PM11JT134	653178	5519713	<0.1	1.5	<0.5	0.5	0.1	<0.5
PM11JT135	653199	5519699	<0.1	2.3	<0.5	0.6	0.1	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT136	652310	5519800	<0.1	2.8	<0.5	0.4	0.1	<0.5
PM11JT137	652310	5519800	<0.1	5.9	3.9	1	0.4	<0.5
PM11JT138	652332	5519804	<0.1	5.9	1.6	0.9	0.2	<0.5
PM11JT139	652356	5519801	<0.1	2.8	2.7	0.7	0.2	<0.5
PM11JT140	652375	5519807	<0.1	3.8	0.6	0.3	0.1	<0.5
PM11JT141	652397	5519805	<0.1	56.5	5	0.8	0.9	<0.5
PM11JT142	652419	5519803	<0.1	10.2	0.6	0.9	0.3	<0.5
PM11JT143	652456	5519801	0.2	3	0.5	0.4	<0.1	<0.5
PM11JT144	652476	5519800	<0.1	3.1	1.4	0.6	0.1	<0.5
PM11JT145	652504	5519805	<0.1	2.9	2.6	0.6	0.2	<0.5
PM11JT146	652534	5519806	<0.1	4.6	1.1	0.5	0.1	<0.5
PM11JT147	652555	5519802	<0.1	1.7	0.9	0.5	0.1	<0.5
PM11JT148	652576	5519797	<0.1	2.8	1.5	0.6	0.2	<0.5
PM11JT149	652608	5519799	<0.1	1.7	<0.5	0.4	<0.1	<0.5
PM11JT150	652632	5519799	<0.1	2.4	3.2	0.7	0.3	<0.5
PM11JT151	652257	5519797	0.1	8.1	0.9	0.6	0.3	<0.5
PM11JT152	652222	5519794	<0.1	5.5	0.9	0.3	0.1	<0.5
PM11JT153	652205	5519802	<0.1	4.5	<0.5	0.4	0.1	<0.5
PM11JT154	652184	5519802	<0.1	4.3	<0.5	0.3	0.2	<0.5
PM11JT155	652152	5519795	<0.1	3.7	<0.5	0.6	0.1	<0.5
PM11JT156	652127	5519800	<0.1	3.3	0.5	0.8	0.1	<0.5
PM11JT157	652104	5519801	0.1	3.1	0.7	0.6	<0.1	<0.5
PM11JT158	652079	5519801	<0.1	1.8	<0.5	0.5	<0.1	<0.5
PM11JT159	652051	5519804	<0.1	0.7	8	0.4	0.2	<0.5
PM11JT160	652028	5519802	<0.1	3.2	11.7	0.5	0.2	<0.5
PM11JT161	652008	5519799	<0.1	2.3	<0.5	0.5	0.2	<0.5
PM11JT162	651980	5519797	<0.1	2.8	1.6	0.5	0.1	<0.5
PM11JT163	651953	5519809	<0.1	2.6	1.4	0.6	0.2	<0.5
PM11JT164	651914	5519805	<0.1	3	<0.5	0.5	0.2	<0.5
PM11JT165	651898	5519799	<0.1	2.8	0.5	0.5	0.1	<0.5
PM11JT166	651871	5519801	<0.1	2.3	11.5	0.5	0.2	<0.5
PM11JT167	651846	5519794	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11JT168	651818	5519807	<0.1	2.4	4.2	0.5	0.2	<0.5
PM11JT169	651800	5519802	<0.1	2.1	1.6	0.4	0.2	<0.5
PM11JT170	651772	5519810	<0.1	2.5	<0.5	0.5	0.3	<0.5
PM11JT171	651748	5519817	<0.1	3.9	0.7	0.3	0.2	<0.5
PM11JT172	651725	5519808	<0.1	4.2	3.6	0.6	0.4	0.7
PM11JT173	651694	5519809	0.1	3.5	0.5	0.7	0.3	<0.5
PM11JT174	651682	5519802	<0.1	4.4	3.8	1	0.4	0.5
PM11JT175	651656	5519804	<0.1	5.2	3.1	0.8	0.3	<0.5
PM11JT176	651621	5519799	<0.1	2.7	1.1	0.4	0.2	<0.5
PM11JT177	651602	5519798	<0.1	2.5	<0.5	0.3	0.2	<0.5
PM11JT178	651570	5519791	<0.1	1.6	1.7	0.5	0.1	<0.5
PM11JT179	651549	5519792	<0.1	2	1.2	0.5	0.1	<0.5
PM11JT180	651524	5519790	<0.1	2.1	<0.5	0.4	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT181	651501	5519793	<0.1	2.2	<0.5	0.3	<0.1	<0.5
PM11JT182	651475	5519785	<0.1	3	1.3	0.6	0.3	<0.5
PM11JT183	651447	5519789	<0.1	3.8	3.7	0.6	0.2	<0.5
PM11JT184	651426	5519791	<0.1	2.5	1.3	0.3	0.1	<0.5
PM11JT185	651399	5519797	<0.1	4.7	<0.5	0.2	0.1	<0.5
PM11JT186	651373	5519800	<0.1	3.1	0.9	0.4	0.2	<0.5
PM11JT187	651351	5519807	<0.1	3.1	1.4	0.5	0.3	<0.5
PM11JT188	651322	5519807	<0.1	4.1	3	0.7	0.3	<0.5
PM11JT189	651303	5519809	<0.1	3.7	2.1	0.5	0.3	0.7
PM11JT190	651279	5519808	0.3	6.8	3.9	0.6	0.2	1.6
PM11JT191	651250	5519808	0.1	8.6	2.4	0.5	0.2	0.7
PM11JT192	651224	5519802	0.1	7.8	4	0.6	0.3	<0.5
PM11JT193	651195	5519787	<0.1	10	0.8	0.5	0.2	<0.5
PM11JT194	651176	5519794	<0.1	9.8	6.7	0.4	0.2	<0.5
PM11JT195	651151	5519822	<0.1	4.4	0.5	0.8	0.3	0.9
PM11JT196	651128	5519797	0.1	3.6	<0.5	0.3	0.1	<0.5
PM11JT197	651096	5519791	0.1	2.6	<0.5	0.4	0.2	<0.5
PM11JT198	651078	5519793	<0.1	2.3	2.8	0.3	0.2	<0.5
PM11JT199	651047	5519787	<0.1	1.4	0.9	0.3	0.1	<0.5
PM11JT200	651020	5519786	<0.1	3.1	1	0.4	0.2	<0.5
PM11JT201	650989	5519796	<0.1	3.3	1.4	0.5	0.3	0.8
PM11JT202	650971	5519793	<0.1	2.1	0.9	0.5	0.2	<0.5
PM11JT203	650951	5519800	<0.1	2.7	<0.5	0.4	0.1	<0.5
PM11JT204	650927	5519801	0.1	2.4	<0.5	0.6	0.1	<0.5
PM11JT205	650895	5519810	<0.1	2.7	1.1	0.6	0.2	<0.5
PM11JT206	650872	5519789	<0.1	2.4	0.6	1.1	0.2	<0.5
PM11JT207	652303	5518096	<0.1	3.1	<0.5	0.7	0.4	<0.5
PM11JT208	652323	5518094	<0.1	5.3	1.1	0.7	0.5	<0.5
PM11JT209	652376	5518097	<0.1	6.7	1.5	0.7	0.6	<0.5
PM11JT210	652376	5518097	<0.1	2.3	0.8	0.4	0.3	<0.5
PM11JT211	652398	5518096	<0.1	5.1	7.3	0.8	0.5	<0.5
PM11JT212	652421	5518091	<0.1	3.3	<0.5	0.5	0.3	0.5
PM11JT213	652450	5518093	<0.1	2.9	<0.5	0.7	0.2	<0.5
PM11JT214	652471	5518094	<0.1	2.5	3.7	0.6	0.2	<0.5
PM11JT215	652506	5518098	<0.1	3.2	<0.5	0.4	0.3	<0.5
PM11JT216	652526	5518101	<0.1	3.8	<0.5	0.6	0.2	<0.5
PM11JT217	652548	5518092	<0.1	1.8	0.6	0.5	0.1	0.6
PM11JT218	652579	5518101	<0.1	3.8	0.6	0.4	0.2	<0.5
PM11JT219	652600	5518095	<0.1	2.6	<0.5	0.3	0.2	<0.5
PM11JT220	652627	5518098	<0.1	4.1	0.9	0.7	0.3	0.5
PM11JT221	652651	5518098	<0.1	5.1	<0.5	0.5	0.3	<0.5
PM11JT222	652700	5518104	<0.1	5.8	0.6	0.5	0.4	<0.5
PM11JT223	652701	5518104	0.2	3	<0.5	0.7	0.2	<0.5
PM11JT224	652726	5518100	0.1	3.7	<0.5	0.6	0.3	<0.5
PM11JT225	652753	5518101	0.1	4.7	<0.5	0.6	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT226	652778	5518104	0.2	4.1	<0.5	0.4	0.3	<0.5
PM11JT227	652797	5518102	<0.1	4.7	<0.5	0.7	0.3	<0.5
PM11JT228	652824	5518103	<0.1	3.6	<0.5	0.9	0.2	<0.5
PM11JT229	652848	5518098	0.1	4.6	0.7	0.8	0.2	<0.5
PM11JT230	652878	5518100	<0.1	3	0.9	1.2	0.2	<0.5
PM11JT231	652900	5518103	<0.1	4.2	1.3	0.7	0.3	<0.5
PM11JT232	652925	5518102	<0.1	3.8	0.9	0.6	0.2	<0.5
PM11JT233	652949	5518102	<0.1	4.2	1.5	0.6	0.3	<0.5
PM11JT234	652975	5518101	<0.1	3.1	0.9	0.7	0.2	<0.5
PM11JT235	653004	5518098	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11JT236	653023	5518098	<0.1	3.3	0.9	0.7	0.2	<0.5
PM11JT237	653052	5518099	<0.1	2.6	<0.5	0.8	0.2	<0.5
PM11JT238	653070	5518104	<0.1	3.3	1	0.7	0.2	<0.5
PM11JT239	653099	5518101	<0.1	2.8	<0.5	0.6	0.1	<0.5
PM11JT240	653125	5518103	<0.1	2.6	0.7	0.6	0.2	<0.5
PM11JT241	653155	5518100	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11JT242	653185	5518102	<0.1	2	<0.5	0.6	0.2	<0.5
PM11JT243	653200	5518094	<0.1	2.1	0.6	0.6	0.2	<0.5
PM11JT244	652295	5517788	<0.1	1.9	0.9	0.7	0.2	<0.5
PM11JT245	652318	5517797	<0.1	1.8	<0.5	0.6	0.1	<0.5
PM11JT246	652346	5517798	<0.1	1.1	<0.5	0.5	0.1	<0.5
PM11JT247	652376	5517796	<0.1	3	<0.5	0.7	0.2	<0.5
PM11JT248	652400	5517800	0.1	2.1	<0.5	0.6	0.1	<0.5
PM11JT249	652425	5517801	<0.1	2.8	<0.5	0.5	0.2	<0.5
PM11JT250	652456	5517802	<0.1	2.5	0.6	0.5	0.3	<0.5
PM11JT251	652480	5517802	<0.1	3.7	<0.5	0.9	0.3	<0.5
PM11JT252	652505	5517802	0.1	2.8	0.5	0.9	0.2	<0.5
PM11JT253	652551	5517802	<0.1	4.7	5.3	0.9	0.3	<0.5
PM11JT254	652550	5517802	0.1	2.7	0.5	0.7	0.2	<0.5
PM11JT255	652577	5517805	<0.1	2.9	0.5	0.7	0.2	<0.5
PM11JT256	652603	5517804	<0.1	4.6	0.9	0.6	0.3	<0.5
PM11JT257	652621	5517803	<0.1	2.4	<0.5	0.7	0.2	<0.5
PM11JT258	652654	5517797	0.1	1.2	<0.5	0.5	<0.1	<0.5
PM11JT259	652677	5517805	<0.1	2.3	<0.5	0.5	0.1	<0.5
PM11JT260	652699	5517799	0.1	2.4	<0.5	0.6	0.2	<0.5
PM11JT261	652725	5517799	<0.1	1.7	<0.5	0.7	0.1	<0.5
PM11JT262	652746	5517799	<0.1	2.8	1	0.8	0.2	<0.5
PM11JT263	652783	5517807	<0.1	3.3	1.1	0.6	0.2	<0.5
PM11JT264	652806	5517797	0.2	3.2	<0.5	0.5	0.2	<0.5
PM11JT265	652823	5517800	0.1	3.7	0.6	0.6	0.2	<0.5
PM11JT266	652854	5517799	0.2	1.7	<0.5	0.4	<0.1	<0.5
PM11JT268	652876	5517804	<0.1	2	0.6	0.4	0.2	<0.5
PM11JT269	652902	5517802	<0.1	3.5	<0.5	0.5	0.3	<0.5
PM11JT270	652922	5517802	<0.1	3.2	0.7	0.5	0.2	<0.5
PM11JT271	652946	5517801	<0.1	4.7	1.6	0.8	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT272	652977	5517801	<0.1	3	0.9	0.7	0.3	<0.5
PM11JT273	653000	5517801	<0.1	1.5	<0.5	0.3	0.1	<0.5
no sample	653025	5517800						
PM11JT275	652274	5517791	<0.1	2.3	1.3	0.7	0.3	<0.5
PM11JT276	652253	5517790	<0.1	2.3	0.8	0.7	0.2	<0.5
PM11JT277	652222	5517794	<0.1	3.1	<0.5	0.8	0.3	<0.5
PM11JT278	652198	5517793	<0.1	3.2	5.8	0.7	0.3	<0.5
PM11JT279	652177	5517794	<0.1	2.6	0.6	0.6	0.2	<0.5
PM11JT280	652148	5517793	<0.1	2.6	0.5	0.4	0.2	<0.5
PM11JT281	652123	5517791	<0.1	2.7	0.8	0.4	0.2	<0.5
PM11JT282	652101	5517797	<0.1	2.5	<0.5	0.4	0.2	<0.5
PM11JT283	652075	5517798	<0.1	1.6	2	0.5	0.2	<0.5
PM11JT284	652059	5517798	<0.1	1.6	<0.5	0.6	0.1	<0.5
PM11JT285	652024	5517800	<0.1	1.4	1.6	0.4	0.2	<0.5
PM11JT286	651997	5517802	<0.1	2.2	0.7	0.6	0.2	<0.5
PM11JT287	651975	5517802	<0.1	1.6	<0.5	0.4	0.2	<0.5
PM11JT288	651948	5517802	<0.1	1.9	45	0.5	0.2	<0.5
PM11JT289	651926	5517802	<0.1	3	0.7	0.5	0.2	<0.5
PM11JT290	651901	5517802	<0.1	1.8	<0.5	0.4	0.2	<0.5
PM11JT291	651877	5517801	<0.1	1.7	1	0.4	0.2	<0.5
PM11JT292	651843	5517801	<0.1	2.2	1.2	0.4	0.3	<0.5
PM11JT293	651825	5517801	<0.1	1.9	0.8	0.6	0.2	<0.5
PM11JT294	651795	5517801	<0.1	2.3	5.4	0.5	0.2	<0.5
PM11JT295	651766	5517807	<0.1	3	3	0.6	0.3	<0.5
PM11JT296	651747	5517801	<0.1	1.9	2.5	0.5	0.2	<0.5
PM11JT297	651729	5517802	<0.1	2.3	2	0.6	0.2	<0.5
PM11JT298	651701	5517802	<0.1	3.6	0.9	0.6	0.3	<0.5
PM11JT299	651679	5517795	<0.1	3.1	<0.5	0.6	0.3	<0.5
PM11JT300	651651	5517798	<0.1	1.7	<0.5	0.4	0.2	<0.5
PM11JT301	651625	5517800	<0.1	1.6	0.8	0.5	0.2	<0.5
PM11JT302	651599	5517802	<0.1	1.4	2.1	0.6	0.1	<0.5
PM11JT303	651573	5517804	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11JT304	651549	5517804	<0.1	1.2	0.7	0.3	0.1	<0.5
PM11JT305	651525	5517806	<0.1	0.8	<0.5	0.3	<0.1	<0.5
PM11JT306	651499	5517808	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11JT307	651476	5517802	<0.1	1.8	1.5	0.5	0.1	<0.5
PM11JT308	651445	5517804	<0.1	2	0.7	0.4	0.1	<0.5
PM11JT309	651423	5517801	<0.1	3	0.9	0.5	0.2	<0.5
PM11JT310	651401	5517800	<0.1	2	<0.5	0.6	0.2	<0.5
PM11JT311	653176	5517399	0.2	2.6	<0.5	0.6	0.1	<0.5
PM11JT312	653176	5517399	0.1	3.1	95.5	0.6	0.3	<0.5
PM11JT313	653123	5517403	0.2	3.4	25.9	0.6	0.2	<0.5
PM11JT314	653123	5517403	<0.1	2.3	<0.5	0.7	<0.1	<0.5
PM11JT315	653099	5517400	0.1	2.2	<0.5	0.6	0.1	<0.5
PM11JT316	653070	5517403	0.1	2.1	<0.5	0.4	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT317	653048	5517409	<0.1	1.9	<0.5	0.4	0.1	0.6
PM11JT318	653030	5517406	<0.1	2.3	<0.5	0.5	0.1	<0.5
PM11JT319	653001	5517405	<0.1	1.7	<0.5	0.5	<0.1	0.8
PM11JT320	652974	5517406	<0.1	2.2	<0.5	0.6	0.1	<0.5
PM11JT321	652954	5517407	<0.1	2.2	<0.5	0.5	0.1	<0.5
PM11JT322	652926	5517400	<0.1	2.6	<0.5	0.8	<0.1	<0.5
no sample	652904	5517397						
PM11JT324	652874	5517395	<0.1	2	<0.5	0.6	0.1	<0.5
PM11JT325	652850	5517391	<0.1	2	<0.5	0.6	0.1	0.7
PM11JT326	652825	5517399	<0.1	4	<0.5	0.5	0.2	<0.5
PM11JT327	652806	5517401	<0.1	3.7	<0.5	1	0.2	<0.5
PM11JT328	652776	5517401	0.1	2.7	<0.5	1	0.1	<0.5
PM11JT329	652749	5517401	0.2	2.6	<0.5	0.8	0.1	<0.5
PM11JT330	652727	5517400	0.1	1.6	<0.5	0.5	<0.1	<0.5
PM11JT331	652701	5517398	<0.1	3.8	<0.5	0.6	0.3	<0.5
PM11JT332	652669	5517394	<0.1	3.4	<0.5	0.5	0.2	0.6
PM11JT333	652656	5517394	0.2	3.8	2.1	0.8	0.2	0.6
PM11JT334	652625	5517391	<0.1	5.5	<0.5	0.6	0.1	<0.5
PM11JT335	652601	5517389	0.2	4	<0.5	2.1	0.2	<0.5
PM11JT336	652571	5517390	0.2	3.4	<0.5	1	0.2	0.6
PM11JT337	652548	5517402	0.1	3.2	<0.5	0.9	0.2	<0.5
PM11JT338	652523	5517405	<0.1	2.1	2.2	0.7	0.3	0.6
PM11JT339	652500	5517399	<0.1	3.5	1.4	1.5	0.2	<0.5
PM11JT340	652478	5517399	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM11JT341	652454	5517404	<0.1	1.9	2.1	0.8	0.1	<0.5
PM11JT342	652425	5517406	0.1	2.2	<0.5	0.4	0.2	<0.5
PM11JT343	652395	5517395	<0.1	2.4	<0.5	0.5	0.2	<0.5
PM11JT344	651372	5517799	<0.1	1.7	5.2	0.5	0.2	<0.5
PM11JT345	651351	5517800	<0.1	2.5	70.9	0.5	0.2	<0.5
PM11JT346	651326	5517806	<0.1	3	1.8	0.7	0.2	<0.5
PM11JT347	651298	5517802	<0.1	2.1	0.9	0.4	0.2	<0.5
PM11JT348	651280	5517801	<0.1	2.4	32	0.4	0.2	<0.5
PM11JT349	651248	5517799	<0.1	1.8	1.5	0.5	0.2	<0.5
PM11JT350	651223	5517800	<0.1	2.4	0.8	0.6	0.2	<0.5
PM11JT351	651199	5517797	<0.1	3.8	2.1	0.6	0.4	<0.5
PM11JT352	651177	5517799	<0.1	2.6	0.6	0.5	0.2	<0.5
PM11JT353	651150	5517799	<0.1	3.4	1.2	0.5	0.3	<0.5
PM11JT354	651126	5517801	<0.1	1.6	<0.5	0.4	0.1	<0.5
PM11JT355	651100	5517798	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11JT356	651076	5517807	<0.1	3.3	0.5	0.5	0.2	<0.5
PM11JT357	651056	5517800	<0.1	3.7	1	0.3	0.2	<0.5
PM11JT358	651019	5517798	<0.1	3.3	2.1	0.5	0.2	<0.5
PM11JT359	651003	5517803	<0.1	3	2.9	0.4	0.2	<0.5
PM11JT360	650974	5517805	<0.1	2.1	<0.5	0.5	0.1	<0.5
PM11JT361	650947	5517797	<0.1	2.5	0.9	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT362	650923	5517803	<0.1	3.6	2.1	0.4	0.3	<0.5
PM11JT363	650900	5517802	<0.1	3	<0.5	0.4	0.2	<0.5
PM11JT364	650876	5517807	<0.1	3.5	<0.5	0.5	0.3	<0.5
PM11JT365	650849	5517803	<0.1	3.8	<0.5	0.5	0.3	<0.5
PM11JT366	650827	5517802	<0.1	4.4	0.7	0.7	0.3	<0.5
PM11JT367	650800	5517802	<0.1	4.1	<0.5	0.6	0.3	<0.5
PM11JT368	650798	5517802	0.1	4.4	1.2	0.6	0.3	<0.5
PM11JT369	650774	5517803	0.1	4.1	2.8	0.7	0.3	<0.5
PM11JT370	650746	5517803	<0.1	4.6	0.7	0.7	0.3	<0.5
PM11JT371	650722	5517797	<0.1	3.5	<0.5	0.5	0.3	<0.5
PM11JT372	650698	5517799	0.1	2	<0.5	0.5	0.1	<0.5
PM11JT373	652376	5517400	0.2	3.2	<0.5	0.7	0.2	<0.5
PM11JT374	652347	5517404	<0.1	3.1	0.7	0.9	0.2	<0.5
PM11JT375	652328	5517403	<0.1	4.6	1.3	0.9	0.3	<0.5
PM11JT376	652309	5517401	<0.1	3	<0.5	0.7	0.2	<0.5
PM11JT377	652270	5517398	0.1	2.5	<0.5	1.2	0.1	<0.5
PM11JT378	652250	5517402	<0.1	4.3	<0.5	0.7	0.2	<0.5
PM11JT379	652225	5517403	<0.1	2.6	<0.5	0.6	0.1	<0.5
PM11JT380	652197	5517396	<0.1	3.4	<0.5	0.7	0.2	<0.5
PM11JT381	652173	5517399	<0.1	3.2	<0.5	0.5	0.2	<0.5
PM11JT382	652150	5517402	0.2	3.6	0.6	0.6	0.2	<0.5
PM11JT383	652123	5517397	<0.1	3.6	<0.5	0.5	0.1	<0.5
PM11JT384	652094	5517396	0.1	2.3	1.7	0.5	0.1	<0.5
PM11JT385	652076	5517402	<0.1	3.4	<0.5	0.6	0.1	<0.5
PM11JT386	652049	5517404	<0.1	2.8	2	0.9	0.1	<0.5
PM11JT387	652024	5517402	0.2	3.5	0.8	0.9	0.1	<0.5
PM11JT388	652001	5517407	<0.1	4	3.4	0.9	0.3	<0.5
PM11JT389	651973	5517400	<0.1	3.1	0.7	0.8	0.2	<0.5
PM11JT390	651954	5517402	<0.1	3.4	<0.5	2	0.2	<0.5
PM11JT391	651928	5517403	1.1	4.1	2.1	0.8	0.3	1.2
PM11JT392	651900	5517408	<0.1	3.2	1.9	1.7	0.2	<0.5
PM11JT393	651874	5517405	0.1	2.2	1.2	1.1	<0.1	<0.5
PM11JT394	651852	5517412	<0.1	3.3	0.9	1.1	0.1	<0.5
PM11JT395	651820	5517400	<0.1	3.1	1.2	1.2	0.2	<0.5
PM11JT396	651801	5517400	<0.1	3.1	<0.5	0.9	0.2	0.8
PM11JT397	651777	5517397	<0.1	3.1	1.1	1.8	0.2	<0.5
PM11JT398	651749	5517391	0.1	9.6	1.5	5.8	0.2	0.6
PM11JT399	651728	5517393	<0.1	3.4	1.6	2.2	0.3	<0.5
PM11JT400	651703	5517395	<0.1	2.8	1.4	1.2	0.2	<0.5
PM11JT401	651528	5517504	<0.1	3.2	1.3	1.3	0.2	<0.5
PM11JT402	651528	5517504	<0.1	3.7	3.4	0.7	0.3	<0.5
PM11JT403	651501	5517501	<0.1	3.1	0.6	0.6	0.2	<0.5
PM11JT404	651476	5517501	<0.1	4	0.9	0.7	0.2	<0.5
PM11JT405	651452	5517504	<0.1	5.2	9.2	0.4	0.3	<0.5
PM11JT406	651427	5517503	<0.1	3.2	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT407	651402	5517502	<0.1	5	20.6	0.5	0.3	<0.5
PM11JT408	651378	5517505	<0.1	4.6	2.1	0.5	0.2	<0.5
PM11JT409	651351	5517500	<0.1	1.9	1.7	0.5	0.2	<0.5
PM11JT410	651323	5517502	<0.1	2.5	1	0.5	0.2	<0.5
PM11JT411	651301	5517499	<0.1	2.4	0.7	0.5	0.1	<0.5
PM11JT412	651278	5517501	<0.1	2	2.8	0.4	<0.1	<0.5
PM11JT413	651250	5517502	<0.1	4.4	2.8	0.4	0.3	<0.5
PM11JT414	651224	5517502	<0.1	2.8	0.8	0.5	0.1	<0.5
PM11JT415	651206	5517501	<0.1	2.5	1.3	0.6	0.1	<0.5
PM11JT416	651178	5517500	<0.1	4.6	1	0.5	0.2	0.6
PM11JT417	651149	5517503	<0.1	1.8	<0.5	0.4	0.2	<0.5
PM11JT418	651123	5517506	<0.1	3.3	0.6	0.4	0.2	0.6
PM11JT419	651098	5517503	<0.1	1.3	<0.5	0.3	0.1	<0.5
PM11JT420	651075	5517504	<0.1	4	2.5	0.6	0.3	0.8
PM11JT421	651047	5517502	<0.1	1.5	3.6	0.2	0.3	0.7
PM11JT422	651019	5517508	<0.1	1.5	4.9	0.4	0.1	<0.5
PM11JT423	650998	5517502	<0.1	1.6	<0.5	0.5	<0.1	<0.5
PM11JT424	650977	5517501	<0.1	4.5	0.6	0.4	0.3	<0.5
PM11JT425	650950	5517501	<0.1	4.3	0.6	0.5	0.3	<0.5
PM11JT426	650922	5517500	<0.1	3.1	<0.5	0.5	0.2	<0.5
PM11JT427	650902	5517504	<0.1	3.8	0.6	0.5	0.2	<0.5
PM11JT428	650876	5517497	<0.1	3.1	1	0.4	0.2	<0.5
PM11JT429	650850	5517499	<0.1	3	<0.5	0.5	0.2	<0.5
PM11JT430	650824	5517502	<0.1	2.2	0.6	0.4	0.2	<0.5
PM11JT431	650801	5517500	<0.1	2.2	<0.5	0.3	0.1	<0.5
PM11JT432	650772	5517503	<0.1	0.9	0.6	0.4	<0.1	<0.5
PM11JT433	650749	5517505	<0.1	1.4	<0.5	0.7	<0.1	0.8
PM11JT434	650724	5517503	<0.1	1.2	<0.5	0.5	<0.1	<0.5
PM11JT435	650700	5517501	<0.1	0.6	<0.5	0.6	<0.1	<0.5
PM11JT436	651350	5518403	<0.1	0.9	2.5	0.5	0.1	<0.5
PM11JT437	651324	5518403	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11JT438	651304	5518403	<0.1	3.5	0.6	0.4	0.2	0.9
PM11JT439	651277	5518399	<0.1	3.5	<0.5	0.3	0.2	0.9
PM11JT440	651252	5518398	<0.1	2.3	1.8	0.5	0.2	<0.5
PM11JT441	651225	5518401	<0.1	3.5	<0.5	0.6	0.2	0.7
PM11JT442	651209	5518403	<0.1	1.8	<0.5	0.5	0.1	<0.5
PM11JT443	651175	5518406	<0.1	1.8	<0.5	0.4	0.1	<0.5
PM11JT444	651149	5518402	<0.1	2.8	<0.5	0.4	0.1	<0.5
PM11JT445	651125	5518400	<0.1	1.9	<0.5	0.3	0.1	<0.5
PM11JT446	651096	5518402	<0.1	1.2	<0.5	0.3	0.1	<0.5
PM11JT447	651077	5518399	<0.1	2.2	<0.5	0.4	0.1	<0.5
PM11JT448	651058	5518407	<0.1	3.5	<0.5	0.4	0.2	0.8
PM11JT449	651026	5518396	<0.1	2	1.6	0.4	0.1	<0.5
PM11JT450	650998	5518394	<0.1	1.4	1.6	0.3	<0.1	<0.5
PM11JT451	650976	5518397	<0.1	1.8	1.7	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JT452	650954	5518393	<0.1	2	<0.5	0.4	0.1	<0.5
PM11JT453	650918	5518390	0.2	3.6	<0.5	0.5	0.2	<0.5
PM11JT454	650902	5518387	<0.1	2	<0.5	0.3	0.1	<0.5
PM11JT455	650872	5518390	<0.1	1.5	<0.5	0.3	0.1	<0.5
PM11JT456	650842	5518398	<0.1	4	<0.5	0.5	0.4	1.1
PM11JT457	650827	5518395	<0.1	3.2	2.3	0.6	0.3	<0.5
PM11JT458	650796	5518392	<0.1	1.5	<0.5	0.8	0.1	<0.5
PM11JT459	650770	5518396	0.2	3.7	4.1	0.9	0.3	<0.5
PM11JT460	650749	5518394	<0.1	3.6	<0.5	0.7	0.1	<0.5
PM11JT461	650723	5518398	<0.1	2.6	0.9	0.4	0.1	0.5
PM11JT462	650701	5518402	<0.1	4	1.2	0.6	0.1	0.8
PM11RP001	650701	5518599	<0.1	3.4	<0.5	0.4	0.2	<0.5
PM11RP002	650730	5518599	<0.1	4	<0.5	0.6	0.2	<0.5
PM11RP003	650755	5518600	<0.1	4.1	<0.5	0.7	0.2	<0.5
PM11RP004	650779	5518602	<0.1	2.8	0.8	0.7	0.2	<0.5
PM11RP005	650803	5518600	<0.1	2.7	<0.5	0.5	0.2	<0.5
PM11RP006	650825	5518596	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM11RP007	650857	5518608	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11RP008	650885	5518607	<0.1	2	0.9	0.5	0.1	<0.5
PM11RP009	650900	5518603	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11RP010	650933	5518615	<0.1	2.5	<0.5	0.4	0.2	<0.5
PM11RP011	650948	5518597	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11RP012	650971	5518608	<0.1	3.8	7.6	0.6	0.2	<0.5
PM11RP013	650989	5518606	<0.1	3.4	<0.5	0.5	0.1	<0.5
PM11RP014	651029	5518602	<0.1	4.6	<0.5	0.6	0.2	<0.5
PM11RP015	651040	5518592	<0.1	3.9	<0.5	0.5	0.2	<0.5
PM11RP016	651071	5518599	<0.1	2.3	3.2	0.5	0.2	<0.5
PM11RP017	651103	5518600	0.1	3.2	2.7	0.5	0.2	<0.5
PM11RP018	651126	5518601	<0.1	4.2	2.1	0.6	0.3	<0.5
PM11RP019	651155	5518597	<0.1	2.8	<0.5	0.3	0.1	<0.5
PM11RP020	651172	5518598	<0.1	1.9	<0.5	0.4	0.1	<0.5
PM11RP021	651204	5518600	0.3	4.8	1.1	0.6	0.2	<0.5
PM11RP022	651230	5518598	<0.1	1.5	4.8	0.4	0.1	<0.5
PM11RP023	651252	5518601	<0.1	1.8	1.1	0.4	0.1	<0.5
PM11RP024	651280	5518603	<0.1	2.4	<0.5	0.7	0.2	<0.5
PM11RP025	651307	5518593	<0.1	1.5	<0.5	0.4	0.1	<0.5
PM11RP026	651325	5518604	<0.1	1.2	1.8	0.5	0.2	<0.5
PM11RP027	651349	5518605	<0.1	3	<0.5	0.7	0.2	<0.5
PM11RP028	651378	5518604	0.1	2.1	2.6	0.4	0.2	<0.5
PM11RP029	651400	5518595	<0.1	1.8	0.7	0.6	0.2	<0.5
PM11RP030	651432	5518600	<0.1	2	0.7	0.6	0.2	<0.5
PM11RP031	651448	5518604	<0.1	2.6	0.6	0.5	0.2	<0.5
PM11MK001	651478	5518603	<0.1	3.1	3.3	0.6	0.2	<0.5
PM11MK002	651502	5518608	<0.1	3.3	1.6	0.8	0.2	<0.5
PM11MK003	651526	5518594	<0.1	2.7	<0.5	0.5	0.2	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK004	651555	5518600	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11MK005	651578	5518599	0.1	2.6	<0.5	0.4	0.2	<0.5
PM11MK006	651625	5518599	<0.1	2.8	1.3	0.5	0.2	<0.5
PM11MK007	651625	5518599	<0.1	1.7	3	0.6	0.2	<0.5
PM11MK008	651654	5518605	<0.1	2	0.7	0.4	0.2	<0.5
PM11MK009	651675	5518607	<0.1	3.3	3.1	0.6	0.3	<0.5
PM11MK010	651701	5518598	<0.1	3.3	1.6	0.8	0.3	<0.5
PM11MK011	651729	5518607	<0.1	2.2	1.5	0.5	0.3	<0.5
PM11MK012	651761	5518606	<0.1	2	<0.5	0.6	0.2	<0.5
PM11MK013	651778	5518609	<0.1	1.5	<0.5	0.8	0.2	<0.5
PM11MK014	651799	5518601	0.4	5.1	0.8	0.6	0.3	0.5
PM11MK015	651825	5518595	<0.1	1.7	1.5	0.3	0.2	<0.5
PM11MK016	651851	5518599	0.2	3.9	1.5	0.6	0.3	<0.5
PM11MK017	651875	5518604	<0.1	3	12.8	0.7	0.3	<0.5
PM11MK018	651892	5518607	<0.1	2.6	1	0.4	0.4	<0.5
PM11MK019	651923	5518607	<0.1	1.6	2.4	0.3	0.2	<0.5
PM11MK020	651948	5518599	<0.1	1.6	<0.5	0.4	0.2	<0.5
PM11MK021	651983	5518609	<0.1	2.1	0.5	0.5	0.2	<0.5
PM11MK022	652000	5518605	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11MK023	652029	5518605	<0.1	2.2	1.5	0.6	0.2	<0.5
PM11MK024	652055	5518599	<0.1	2	1.2	0.6	0.2	<0.5
PM11MK025	652079	5518600	<0.1	2	<0.5	0.7	0.2	<0.5
PM11MK026	652103	5518598	<0.1	2.4	<0.5	0.7	0.1	<0.5
PM11MK027	652128	5518594	<0.1	2.5	<0.5	0.7	0.2	<0.5
PM11MK028	652159	5518600	<0.1	1.6	3.2	0.5	0.1	<0.5
PM11MK029	652180	5518605	0.3	2.7	1.3	0.5	0.3	1.3
PM11MK030	652201	5518601	<0.1	2.4	0.6	0.5	0.2	<0.5
PM11MK031	652223	5518595	<0.1	2.9	1.1	0.7	0.2	<0.5
PM11MK032	652249	5518600	<0.1	2.1	1.3	0.5	0.2	<0.5
PM11MK033	652275	5518600	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11MK034	652297	5518598	<0.1	1.6	0.7	0.5	0.1	<0.5
PM11MK035	652326	5518601	<0.1	1.3	1.1	0.4	0.2	<0.5
PM11MK036	652350	5518604	<0.1	1.6	2.4	0.6	0.2	<0.5
PM11MK037	652377	5518608	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11MK038	652405	5518604	<0.1	2.5	6.9	0.6	0.2	<0.5
PM11MK039	652443	5518630	<0.1	1.4	2.5	0.5	0.2	<0.5
PM11MK040	652442	5518577	<0.1	4.1	<0.5	0.9	0.4	<0.5
PM11MK041	652472	5518597	<0.1	1.6	<0.5	0.6	0.1	<0.5
PM11MK042	652501	5518597	0.1	3	<0.5	0.5	0.1	<0.5
PM11MK043	652527	5518600	<0.1	2.2	1	0.9	0.2	<0.5
PM11MK044	652551	5518600	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK045	652568	5518599	<0.1	0.9	<0.5	0.6	0.1	<0.5
PM11MK046	652619	5518603	<0.1	2.4	<0.5	0.5	0.3	<0.5
PM11MK047	652622	5518602	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM11MK048	652654	5518598	<0.1	3.5	1.1	0.6	0.4	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK049	652677	5518599	<0.1	1.6	<0.5	0.5	0.2	<0.5
PM11MK050	652851	5518698	0.2	3	<0.5	0.6	0.2	<0.5
PM11MK051	652871	5518703	<0.1	5.2	0.9	0.7	0.4	<0.5
PM11MK052	652899	5518703	<0.1	1.9	1.2	0.6	0.2	<0.5
PM11MK053	652924	5518697	0.4	6.9	6.8	4.5	0.4	0.9
PM11MK054	652954	5518702	<0.1	3.4	<0.5	0.8	0.2	<0.5
PM11MK055	652971	5518692	<0.1	2.8	2.3	0.5	0.2	<0.5
PM11MK056	653003	5518709	0.3	3.7	<0.5	1	0.2	<0.5
PM11MK057	653024	5518701	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK058	653050	5518700	<0.1	2.8	<0.5	0.4	<0.1	<0.5
PM11MK059	653073	5518700	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11MK060	653126	5518705	<0.1	3.4	<0.5	0.6	0.3	<0.5
PM11MK061	653126	5518705	<0.1	3.1	<0.5	0.7	0.2	<0.5
PM11MK062	653159	5518707	<0.1	2.6	<0.5	0.6	0.2	<0.5
PM11MK063	653172	5518701	<0.1	1.9	1.1	0.5	0.2	<0.5
PM11MK064	653199	5518704	<0.1	2	<0.5	0.6	0.1	<0.5
PM11MK065	653201	5518601	<0.1	4.3	<0.5	0.6	0.1	<0.5
PM11MK066	653171	5518608	<0.1	2.2	<0.5	0.4	0.2	<0.5
PM11MK067	653150	5518605	0.1	7.1	<0.5	0.5	0.2	<0.5
PM11MK068	653120	5518599	0.1	1.6	<0.5	0.6	0.1	<0.5
PM11MK069	653097	5518601	0.1	2.8	0.6	0.8	0.1	<0.5
PM11MK070	653079	5518599	<0.1	3	<0.5	0.6	0.2	<0.5
PM11MK071	653048	5518606	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK072	653017	5518603	<0.1	2.3	<0.5	0.5	0.1	<0.5
PM11MK073	653004	5518605	<0.1	2.4	0.6	0.8	0.2	<0.5
PM11MK074	652975	5518600	<0.1	2.1	2	1.1	0.1	<0.5
PM11MK075	652934	5518597	<0.1	2.3	1.4	0.8	0.1	<0.5
PM11MK076	652926	5518602	0.1	2.5	0.9	0.8	0.2	<0.5
PM11MK077	652902	5518601	0.5	6.8	3	0.7	0.4	0.7
PM11MK078	652876	5518596	<0.1	4.5	1.2	0.8	0.3	<0.5
PM11MK079	652853	5518600	<0.1	2	2.1	0.5	0.2	<0.5
PM11MK080	652826	5518604	<0.1	5.7	<0.5	0.7	0.2	<0.5
PM11MK081	652800	5518602	0.1	4.2	0.6	0.7	0.2	<0.5
PM11MK082	652776	5518607	0.1	3	14.5	0.6	0.2	<0.5
PM11MK083	652754	5518605	<0.1	3.1	2.2	0.5	0.2	<0.5
no sample	652728	5518610						
no sample	652702	5518605						
no sample	652677	5518599						
PM11MK084	652826	5518803	<0.1	3.7	<0.5	0.8	0.3	<0.5
PM11MK085	652851	5518804	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11MK086	652875	5518803	0.3	2.2	<0.5	0.5	0.2	<0.5
PM11MK087	652896	5518805	0.1	2.6	0.8	0.4	0.2	<0.5
PM11MK088	652905	5518802	0.2	2.1	1	0.7	0.2	<0.5
PM11MK089	652948	5518799	<0.1	3	<0.5	0.8	0.2	<0.5
PM11MK090	652971	5518798	0.4	4.3	2.1	0.6	0.3	<0.5

**2011 GRID SOIL SAMPLES**

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK091	653001	5518795	0.7	4.7	2.4	0.6	0.4	1
PM11MK092	653026	5518790	0.1	2.7	1.2	0.6	0.1	<0.5
PM11MK093	653044	5518796	<0.1	2.3	<0.5	0.6	0.1	<0.5
PM11MK094	653073	5518798	<0.1	1.4	<0.5	0.8	0.1	<0.5
PM11MK095	653099	5518798	<0.1	2.6	0.8	0.5	0.2	<0.5
PM11MK096	653137	5518808	0.1	2.6	2	0.3	<0.1	<0.5
PM11MK097	653152	5518818	<0.1	1.4	<0.5	0.5	0.1	<0.5
PM11MK098	653171	5518817	0.2	3.1	83.4	0.6	0.1	<0.5
PM11MK099	653190	5518817	<0.1	1.9	<0.5	0.4	0.1	<0.5
PM11MK100	653194	5518900	<0.1	1.8	<0.5	0.5	0.1	<0.5
PM11MK101	653176	5518900	<0.1	1.6	7.8	0.4	0.1	<0.5
PM11MK102	653131	5518910	0.5	6.8	2.2	0.6	0.2	0.6
PM11MK103	653124	5518902	0.1	2.3	2.3	0.5	0.2	<0.5
PM11MK104	653098	5518898	0.2	2.4	1	0.7	0.2	<0.5
PM11MK105	653072	5518904	0.1	2.9	0.9	0.6	0.1	<0.5
PM11MK106	653051	5518906	<0.1	3.2	1.9	0.7	0.2	<0.5
PM11MK107	653020	5518901	0.6	5.5	1.8	0.7	0.4	0.8
PM11MK108	653000	5518901	0.1	2	<0.5	0.8	0.2	<0.5
PM11MK109	652963	5518895	<0.1	5.9	2.9	1.2	0.4	<0.5
PM11MK110	652948	5518898	0.1	3	<0.5	0.8	0.2	<0.5
PM11MK111	652923	5518897	<0.1	2.8	<0.5	0.9	0.2	<0.5
PM11MK112	652899	5518907	<0.1	2.4	1.8	0.8	0.2	<0.5
PM11MK113	652878	5518902	0.1	3.1	1.1	0.8	0.2	<0.5
PM11MK114	652849	5518900	0.1	6.6	7.2	0.9	0.4	<0.5
PM11MK115	652856	5519011	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK116	652822	5519005	<0.1	3.8	73	0.8	0.3	<0.5
PM11MK117	652791	5519006	<0.1	1.4	66.1	0.5	0.2	<0.5
PM11MK118	652775	5519000	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11MK119	652752	5518999	0.3	8.1	<0.5	0.7	0.3	<0.5
PM11MK120	652721	5518997	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11MK121	652702	5518996	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11MK122	652676	5518997	<0.1	1.9	0.5	0.5	0.1	<0.5
PM11MK123	652652	5518994	<0.1	1.3	<0.5	0.5	0.1	<0.5
PM11MK124	652627	5518994	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11MK125	652601	5519005	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK126	652573	5519008	<0.1	1.8	2.7	0.5	0.1	<0.5
PM11MK127	652548	5518997	<0.1	1.3	1.2	0.5	0.2	<0.5
PM11MK128	652521	5518999	<0.1	2.1	0.6	0.6	0.2	<0.5
PM11MK129	652499	5518997	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM11MK130	652473	5519019	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK131	652445	5518994	<0.1	2.8	<0.5	0.5	0.1	<0.5
PM11MK132	652418	5518980	<0.1	2.4	1.5	0.5	0.2	<0.5
PM11MK133	652403	5519008	<0.1	1.8	<0.5	0.9	0.2	<0.5
PM11MK134	652374	5518997	<0.1	1.5	49.9	0.4	0.1	<0.5
PM11MK135	652344	5519000	<0.1	1.4	<0.5	0.6	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK136	652322	5518998	<0.1	1.6	0.7	0.7	0.2	<0.5
PM11MK137	652301	5518992	<0.1	2.4	5.7	0.8	0.2	<0.5
PM11MK138	652274	5518997	<0.1	1.6	<0.5	0.6	0.2	<0.5
PM11MK139	652249	5519003	<0.1	3.5	5.1	0.7	0.3	<0.5
PM11MK140	652224	5519003	<0.1	1.8	1.2	1.1	0.2	<0.5
PM11MK141	652209	5519004	<0.1	2.3	1.9	0.7	0.2	<0.5
PM11MK142	652173	5519005	0.2	3.4	1.7	0.8	0.2	<0.5
PM11MK143	652145	5519004	<0.1	2.2	4.9	0.6	0.3	<0.5
PM11MK144	652126	5519001	<0.1	2.1	0.6	0.5	0.2	<0.5
PM11MK145	652100	5519002	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK146	652074	5519003	<0.1	1.2	<0.5	0.4	0.2	<0.5
PM11MK147	652056	5519005	<0.1	2	2.1	0.5	0.2	<0.5
PM11MK148	652024	5519006	<0.1	0.9	3	0.4	0.2	<0.5
PM11MK149	652004	5519009	<0.1	0.9	8.3	0.4	0.1	<0.5
PM11MK150	651973	5519005	<0.1	3.8	6.4	0.7	0.3	<0.5
PM11MK151	651946	5519001	<0.1	2.9	1.1	0.6	0.3	<0.5
PM11MK152	651925	5518999	0.2	2.5	1	0.6	0.2	<0.5
PM11MK153	651899	5519000	0.2	1.5	<0.5	0.8	0.2	<0.5
PM11MK154	651870	5519003	<0.1	3.1	1.6	0.9	0.3	<0.5
PM11MK155	651846	5519001	<0.1	2.6	2.6	0.9	0.2	<0.5
PM11MK156	651822	5519007	<0.1	1.6	1.5	0.5	0.2	<0.5
PM11MK157	651794	5518993	<0.1	1.3	1.5	0.5	0.2	<0.5
PM11MK158	651776	5519003	<0.1	5.7	1.8	0.5	0.3	<0.5
PM11MK159	651751	5518998	<0.1	4.5	2.6	0.8	0.3	<0.5
PM11MK160	651723	5518997	<0.1	4	39.3	0.6	0.3	<0.5
PM11MK161	651701	5518998	<0.1	2.5	7.7	0.5	0.2	<0.5
PM11MK162	651671	5519001	<0.1	2	0.5	0.6	0.3	<0.5
PM11MK163	651652	5519000	<0.1	1.6	1.7	0.5	0.1	<0.5
PM11MK164	651626	5519001	<0.1	2.4	1.4	0.5	0.2	<0.5
PM11MK165	651602	5518994	<0.1	1.7	2.2	0.5	0.2	<0.5
PM11MK166	651578	5518999	<0.1	1.6	6.1	0.4	0.2	<0.5
PM11MK167	651555	5518997	<0.1	2	<0.5	0.4	0.2	<0.5
PM11MK168	651525	5518997	<0.1	3.7	<0.5	0.5	0.2	<0.5
PM11MK169	651501	5519004	<0.1	2.6	0.8	0.6	0.2	<0.5
PM11MK170	651476	5519008	<0.1	2.9	<0.5	0.4	0.2	<0.5
PM11MK171	651446	5518993	<0.1	3.2	0.8	0.7	0.2	<0.5
PM11MK172	651422	5518997	<0.1	5.3	6.6	0.6	0.4	<0.5
PM11MK173	651401	5519001	<0.1	3.5	<0.5	0.5	0.2	<0.5
PM11MK174	651359	5518991	<0.1	2.3	1.7	0.5	0.2	<0.5
PM11MK175	651345	5518996	<0.1	3.3	4	0.5	0.3	<0.5
PM11MK176	651321	5519007	<0.1	2.7	<0.5	0.4	0.2	<0.5
PM11MK177	651298	5519002	<0.1	4.6	1.2	0.6	0.4	<0.5
PM11MK178	651272	5518992	<0.1	5.3	3.4	0.5	0.3	<0.5
PM11MK179	651252	5518999	<0.1	3.6	<0.5	0.4	0.3	<0.5
PM11MK180	651235	5518991	<0.1	3.8	0.8	0.4	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK181	651206	5518997	<0.1	4.8	0.8	0.6	0.3	<0.5
PM11MK182	651182	5518991	0.1	4	<0.5	0.4	0.3	<0.5
PM11MK183	651144	5518998	<0.1	2.1	2.2	0.5	0.2	<0.5
PM11MK184	651110	5519000	<0.1	3.3	0.6	0.7	0.2	<0.5
PM11MK185	651101	5519013	<0.1	5	0.7	0.6	0.4	<0.5
PM11MK186	651074	5519003	<0.1	2.3	3.6	0.5	0.2	<0.5
PM11MK187	651055	5519004	<0.1	3.3	0.7	0.6	0.3	<0.5
PM11MK188	651024	5519012	<0.1	2.9	0.5	0.6	0.2	<0.5
PM11MK189	651003	5519005	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK190	650965	5519003	<0.1	3.9	2.5	0.7	0.3	<0.5
PM11MK191	650945	5518998	<0.1	3.9	<0.5	0.6	0.3	<0.5
PM11MK192	650924	5519001	<0.1	4.9	0.8	0.5	0.3	<0.5
PM11MK193	650893	5519007	<0.1	4.2	0.9	0.8	0.3	<0.5
PM11MK194	650880	5519003	<0.1	3.9	<0.5	0.6	0.3	<0.5
PM11MK195	650851	5519003	0.5	4.5	21.2	0.4	0.3	0.6
PM11MK196	650824	5519001	<0.1	3.2	1.2	0.5	0.1	<0.5
PM11MK197	650801	5519013	<0.1	3.3	<0.5	0.6	0.2	<0.5
PM11MK198	650771	5518990	0.1	4.1	<0.5	0.6	0.3	<0.5
PM11MK199	650749	5519006	0.1	4	1.3	0.6	0.2	<0.5
PM11MK200	650724	5519004	0.1	3.7	1.4	0.6	0.2	<0.5
PM11MK201	650698	5519004	<0.1	2.9	<0.5	0.5	0.2	<0.5
PM11MK202	652342	5519504	0.2	2.7	13.3	0.6	0.2	<0.5
PM11MK203	652378	5519498	<0.1	2.5	6.3	0.5	0.2	<0.5
PM11MK204	652401	5519502	<0.1	3.6	<0.5	0.4	0.2	<0.5
PM11MK205	652429	5519505	0.1	3.4	2.1	0.6	0.2	<0.5
PM11MK206	652442	5519501	0.2	2.6	79.4	0.6	0.2	<0.5
PM11MK207	652477	5519501	<0.1	3	1.6	0.6	0.2	<0.5
PM11MK208	652498	5519507	<0.1	1.9	1.6	0.5	0.2	<0.5
PM11MK209	652524	5519506	0.1	2.6	1.3	0.6	0.2	<0.5
PM11MK210	652562	5519505	<0.1	5.3	0.8	0.5	0.2	<0.5
PM11MK211	652575	5519500	<0.1	9.6	<0.5	0.7	0.3	<0.5
PM11MK212	652603	5519503	0.2	2	4.2	0.4	0.1	<0.5
PM11MK213	652635	5519498	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MK214	652651	5519504	<0.1	2.7	0.5	0.8	0.2	<0.5
PM11MK215	652675	5519493	<0.1	3	0.8	0.8	0.2	<0.5
PM11MK216	652696	5519503	<0.1	2.9	<0.5	0.5	0.1	<0.5
PM11MK217	652728	5519503	<0.1	3.1	<0.5	0.6	0.2	<0.5
PM11MK218	652754	5519505	0.1	10.7	<0.5	1.1	0.3	<0.5
PM11MK219	652778	5519495	<0.1	2.1	<0.5	0.4	0.1	<0.5
PM11MK220	652796	5519502	<0.1	2.7	1.3	0.6	0.2	<0.5
PM11MK221	652830	5519495	<0.1	2.9	<0.5	0.5	0.1	<0.5
PM11MK222	652847	5519500	<0.1	1.7	<0.5	0.5	0.1	<0.5
PM11MK223	652883	5519503	<0.1	2	3.8	0.6	0.1	<0.5
PM11MK224	652901	5519508	<0.1	4.8	<0.5	0.4	0.1	<0.5
PM11MK225	652923	5519505	<0.1	4.5	<0.5	0.4	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK226	652946	5519500	<0.1	2.2	1.2	0.4	0.2	<0.5
PM11MK227	652973	5519498	<0.1	2.3	2	0.7	0.2	<0.5
PM11MK228	652998	5519504	<0.1	1.5	3.9	0.6	0.2	<0.5
PM11MK229	653023	5519499	0.1	2.5	40.6	0.8	0.2	<0.5
PM11MK230	653044	5519503	<0.1	1.5	2.7	0.4	0.2	<0.5
PM11MK231	653078	5519501	0.1	1.7	0.6	0.7	0.2	0.8
PM11MK232	653100	5519499	<0.1	3	<0.5	0.8	0.1	<0.5
PM11MK233	653124	5519497	<0.1	2.2	0.6	0.5	0.2	<0.5
PM11MK234	653152	5519504	0.1	1.5	1.8	0.5	0.1	0.8
PM11MK235	653173	5519508	0.1	1.7	2.6	0.4	0.2	<0.5
PM11MK236	653202	5519505	<0.1	1.4	<0.5	0.5	0.2	<0.5
PM11MK237	652316	5519502	0.1	3	2	0.6	0.2	<0.5
PM11MK238	652300	5519502	0.3	3.5	0.9	0.4	0.3	<0.5
PM11MK239	652278	5519498	0.1	3.7	2.1	0.6	0.2	<0.5
PM11MK240	652252	5519499	0.1	3.2	6.8	0.6	0.2	<0.5
PM11MK241	652219	5519495	0.2	1.8	8	0.5	0.2	0.6
PM11MK242	652200	5519503	<0.1	2.8	1.9	0.8	0.2	<0.5
PM11MK243	652178	5519498	<0.1	2.8	36.6	0.7	0.2	<0.5
PM11MK244	652161	5519505	0.1	3.5	0.8	0.8	0.2	<0.5
PM11MK245	652124	5519502	<0.1	2.4	3	0.6	0.2	<0.5
PM11MK246	652104	5519495	<0.1	3.5	3.1	0.8	0.3	<0.5
PM11MK247	652077	5519504	<0.1	3.2	3	0.8	0.2	<0.5
PM11MK248	652052	5519501	<0.1	4.5	0.8	0.6	0.2	<0.5
PM11MK249	652021	5519501	0.3	4.7	5.1	0.5	0.3	1.5
PM11MK250	652005	5519504	0.1	11.8	2	0.7	0.3	1
PM11MK251	651977	5519498	<0.1	6	4.9	0.6	0.2	<0.5
PM11MK252	651953	5519502	<0.1	1.9	1.8	0.5	0.1	<0.5
PM11MK253	651928	5519508	0.2	1.8	3.3	0.4	0.2	1.1
PM11MK254	651908	5519502	<0.1	2.4	1	0.4	0.2	<0.5
PM11MK255	651878	5519504	<0.1	2.6	2	0.7	0.3	<0.5
PM11MK256	651855	5519505	<0.1	2.2	1.3	0.5	0.2	0.5
PM11MK257	651831	5519494	<0.1	4.6	2.2	0.8	0.2	<0.5
PM11MK258	651800	5519501	<0.1	2.2	2.3	0.6	<0.1	<0.5
PM11MK259	651778	5519500	0.2	5.1	1.6	0.8	0.3	<0.5
PM11MK260	651750	5519498	0.1	3.3	<0.5	0.7	0.1	<0.5
PM11MK261	651720	5519506	<0.1	3.5	1.5	0.5	0.2	<0.5
PM11MK262	651700	5519505	0.2	2.2	<0.5	0.6	0.2	<0.5
PM11MK263	651671	5519503	0.1	1.8	3	0.4	0.1	<0.5
PM11MK264	651652	5519498	<0.1	2	0.6	0.4	0.2	<0.5
PM11MK265	651628	5519510	<0.1	1.3	2.2	0.3	0.2	<0.5
PM11MK266	651604	5519502	<0.1	2.1	1.5	0.4	0.2	<0.5
PM11MK267	651567	5519491	<0.1	2.2	0.7	0.6	0.1	<0.5
PM11MK268	651555	5519496	<0.1	1.1	1.2	0.3	0.1	0.6
PM11MK269	651526	5519496	<0.1	1.8	5.7	0.2	0.1	<0.5
PM11MK270	651497	5519491	0.6	8.3	1.9	0.6	0.4	1.3

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK271	651474	5519498	<0.1	1.8	1.2	0.5	0.2	<0.5
PM11MK272	651449	5519502	<0.1	1.4	41.8	0.4	0.1	<0.5
PM11MK273	651425	5519501	<0.1	2	<0.5	0.3	0.1	<0.5
PM11MK274	651399	5519487	<0.1	2.5	1.1	1	0.2	<0.5
PM11MK275	651376	5519505	<0.1	1.6	0.7	0.5	0.2	<0.5
PM11MK276	651349	5519500	<0.1	2.2	0.5	0.5	0.1	<0.5
PM11MK277	651323	5519502	<0.1	1.7	0.9	0.4	0.1	<0.5
PM11MK278	651301	5519504	<0.1	1.6	3.4	0.6	0.2	<0.5
PM11MK279	651277	5519504	<0.1	1.9	0.6	0.6	0.1	<0.5
PM11MK280	651257	5519497	<0.1	1.9	0.8	0.3	0.1	<0.5
PM11MK281	651222	5519500	<0.1	1.5	2	0.3	0.1	<0.5
PM11MK282	651199	5519502	<0.1	2.4	1.2	0.4	0.1	<0.5
PM11MK283	651179	5519502	<0.1	4.7	2	0.6	0.2	<0.5
PM11MK284	651150	5519494	<0.1	3.4	1.8	0.3	0.1	<0.5
PM11MK285	651118	5519513	<0.1	2	0.5	0.4	<0.1	<0.5
no sample	651100	5519500						
PM11MK286	651074	5519489	0.1	9.2	3.1	0.5	0.3	<0.5
PM11MK287	651052	5519506	<0.1	2.4	1.2	0.3	0.1	<0.5
PM11MK288	651020	5519496	<0.1	3.1	0.8	0.5	0.2	<0.5
PM11MK289	651000	5519501	<0.1	3.5	2.6	0.4	0.3	0.5
PM11MK290	650977	5519503	<0.1	3	1.3	0.6	0.2	<0.5
PM11MK291	650958	5519501	<0.1	3.1	0.8	0.5	0.2	<0.5
PM11MK292	650927	5519502	<0.1	3.9	1.7	0.6	0.2	<0.5
PM11MK293	650901	5519505	<0.1	2.6	1.9	0.5	0.2	<0.5
PM11MK294	650878	5519510	<0.1	2.5	1	0.5	0.2	<0.5
PM11MK295	650850	5519502	<0.1	2.5	<0.5	0.4	0.1	<0.5
PM11MK296	650827	5519497	<0.1	2.2	0.9	0.4	<0.1	0.5
PM11MK297	650800	5519502	<0.1	2	1.9	0.4	0.2	<0.5
PM11MK298	650776	5519513	<0.1	1.2	0.9	0.5	0.1	<0.5
PM11MK299	650754	5519501	<0.1	1.4	0.9	0.5	0.1	<0.5
PM11MK300	650726	5519500	<0.1	1.7	1.8	0.5	0.2	<0.5
PM11MK301	650698	5519504	<0.1	1.8	1.1	0.4	0.1	<0.5
PM11MK302	652302	5517998	<0.1	2.5	1.5	0.7	0.2	<0.5
PM11MK303	652328	5518004	<0.1	2.3	2	0.9	0.2	<0.5
PM11MK304	652354	5518002	0.4	3.9	1.5	0.5	0.2	<0.5
PM11MK305	652376	5518004	<0.1	1.5	1.1	0.5	0.2	<0.5
PM11MK306	652401	5518002	<0.1	2	0.9	0.5	0.1	<0.5
PM11MK307	652428	5518002	<0.1	2	0.6	0.7	0.2	<0.5
PM11MK308	652449	5518001	<0.1	2.2	0.6	0.8	0.2	<0.5
PM11MK309	652475	5518002	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK310	652504	5518001	<0.1	2.4	0.9	0.5	0.2	<0.5
PM11MK311	652526	5518003	<0.1	2.6	2.8	0.5	0.2	<0.5
PM11MK312	652552	5517997	<0.1	2.5	1	0.8	0.2	<0.5
PM11MK313	652573	5518001	0.1	2.1	<0.5	0.8	0.2	<0.5
PM11MK314	652603	5518001	0.1	1.9	<0.5	0.7	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK315	652629	5518005	<0.1	1.2	0.7	0.6	<0.1	<0.5
PM11MK316	652652	5517998	<0.1	1.3	<0.5	0.6	0.1	<0.5
PM11MK317	652674	5517992	0.1	1.5	1.1	0.3	0.2	<0.5
PM11MK318	652697	5518004	<0.1	1.3	<0.5	0.6	0.1	<0.5
PM11MK319	652730	5517999	<0.1	5.4	<0.5	0.7	0.4	<0.5
PM11MK320	652750	5517997	<0.1	2.2	1	0.6	0.2	<0.5
PM11MK321	652777	5517997	<0.1	2.6	8	0.8	0.2	<0.5
PM11MK322	652801	5517999	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM11MK323	652824	5518004	<0.1	2.3	<0.5	0.7	0.2	<0.5
PM11MK324	652850	5518008	<0.1	3.2	2.6	0.9	0.2	<0.5
PM11MK325	652876	5518003	<0.1	3.3	<0.5	1	0.2	<0.5
PM11MK326	652899	5518000	<0.1	2.6	1.3	0.8	0.2	<0.5
PM11MK327	652922	5518001	0.1	2.9	<0.5	1.4	0.2	<0.5
PM11MK328	652949	5518004	<0.1	2.9	0.6	0.8	0.2	<0.5
PM11MK329	652976	5517998	<0.1	3.5	<0.5	0.9	0.3	<0.5
PM11MK330	652998	5517999	<0.1	2.2	1.2	0.8	0.2	<0.5
PM11MK331	653026	5518000	0.1	2.2	<0.5	0.8	0.2	<0.5
PM11MK332	653043	5518003	0.1	3.7	<0.5	1	0.2	<0.5
PM11MK333	653070	5517998	<0.1	2.8	<0.5	0.7	0.3	<0.5
PM11MK334	653099	5517998	<0.1	2.1	<0.5	1.1	0.1	<0.5
PM11MK335	653127	5518003	<0.1	2.8	<0.5	1.3	0.3	<0.5
PM11MK336	653154	5517994	<0.1	2.7	<0.5	0.6	0.4	<0.5
PM11MK337	653188	5518003	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MK338	653197	5518005	<0.1	4	4.4	0.5	0.3	<0.5
PM11MK339	651400	5518296	<0.1	2.1	0.7	0.4	0.2	<0.5
PM11MK340	651376	5518302	<0.1	1.3	1.4	0.4	0.2	<0.5
PM11MK341	651357	5518298	<0.1	3.2	0.9	0.6	0.3	<0.5
PM11MK342	651328	5518306	<0.1	2.1	1.9	0.6	0.2	<0.5
PM11MK343	651305	5518300	<0.1	1.7	<0.5	0.4	0.2	<0.5
PM11MK344	651272	5518307	<0.1	3.7	<0.5	0.6	0.2	<0.5
PM11MK345	651249	5518305	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MK346	651223	5518303	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11MK347	651199	5518303	<0.1	2	<0.5	0.6	0.3	<0.5
no sample	651174	5518300						
PM11MK349	651152	5518303	<0.1	2.3	1.3	0.4	0.2	<0.5
PM11MK350	651125	5518304	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MK351	651110	5518298	<0.1	2.8	<0.5	0.9	0.2	<0.5
PM11MK352	651079	5518303	0.2	4.5	1.4	0.6	0.3	1.1
PM11MK353	651058	5518301	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MK354	651027	5518301	<0.1	3.1	<0.5	0.5	0.3	<0.5
PM11MK355	651004	5518303	<0.1	2.4	1.1	0.5	0.2	<0.5
PM11MK356	650978	5518302	<0.1	4.6	1.1	0.7	0.4	<0.5
PM11MK357	650954	5518306	<0.1	4.7	0.9	0.7	0.4	<0.5
PM11MK358	650924	5518311	<0.1	5	5.6	0.5	0.4	<0.5
PM11MK359	650897	5518296	<0.1	2.9	<0.5	0.5	0.3	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK360	650875	5518300	<0.1	4.5	0.8	0.6	0.3	<0.5
PM11MK361	650850	5518306	<0.1	4	<0.5	0.7	0.4	<0.5
PM11MK362	650824	5518301	<0.1	1.7	0.5	0.3	0.2	<0.5
PM11MK363	650799	5518302	<0.1	2.5	<0.5	0.4	0.2	<0.5
PM11MK364	650775	5518300	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MK365	650751	5518305	<0.1	4	1.7	0.6	0.4	<0.5
PM11MK366	650723	5518298	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MK367	650701	5518300	<0.1	2	<0.5	0.5	0.3	<0.5
PM11MK368	652305	5517706	<0.1	1	<0.5	0.5	0.1	0.9
PM11MK369	652325	5517704	<0.1	1.3	<0.5	0.6	0.2	<0.5
PM11MK370	652350	5517701	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MK371	652373	5517703	<0.1	2.7	<0.5	0.6	0.3	<0.5
PM11MK372	652401	5517702	<0.1	3.2	<0.5	0.6	0.2	<0.5
PM11MK373	652425	5517704	0.1	2.9	0.8	0.6	0.2	<0.5
PM11MK374	652451	5517697	0.1	2.7	<0.5	0.6	0.1	<0.5
PM11MK375	652478	5517698	<0.1	2.3	<0.5	0.4	0.1	<0.5
PM11MK376	652504	5517695	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MK377	652530	5517704	<0.1	1.9	<0.5	0.4	0.2	<0.5
PM11MK378	652551	5517698	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MK379	652579	5517699	0.2	2.8	<0.5	0.9	0.2	<0.5
PM11MK380	652601	5517700	0.1	2.5	<0.5	0.6	0.1	<0.5
PM11MK381	652624	5517702	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MK382	652651	5517698	<0.1	1.8	<0.5	0.6	0.1	<0.5
PM11MK383	652672	5517703	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11MK384	652700	5517699	<0.1	1.1	<0.5	0.4	0.1	<0.5
PM11MK385	652730	5517700	0.1	3.1	1	0.9	0.2	<0.5
PM11MK386	652749	5517699	<0.1	2.9	0.9	0.7	0.2	<0.5
PM11MK387	652776	5517702	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11MK388	652802	5517696	0.1	1.1	<0.5	0.3	<0.1	<0.5
PM11MK389	652824	5517701	<0.1	3.7	<0.5	0.7	0.3	<0.5
PM11MK390	652851	5517700	<0.1	1.1	<0.5	0.3	<0.1	<0.5
PM11MK391	652874	5517696	<0.1	1	<0.5	0.4	<0.1	<0.5
PM11MK392	652900	5517701	<0.1	2.7	0.9	0.7	0.2	<0.5
PM11MK393	652926	5517703	0.1	2.1	<0.5	0.6	0.2	<0.5
PM11MK394	652952	5517698	<0.1	2.5	2.6	0.6	0.2	<0.5
PM11MK395	652974	5517709	<0.1	2.9	<0.5	0.9	0.2	<0.5
PM11MK396	652999	5517700	<0.1	2.3	1.3	0.7	0.2	<0.5
PM11MK397	653026	5517699	0.1	2.7	1	0.7	0.2	<0.5
PM11MK398	653051	5517702	<0.1	2.6	4	0.7	0.2	<0.5
PM11MK399	653076	5517702	<0.1	1.3	<0.5	0.6	0.2	<0.5
PM11MK400	653098	5517698	<0.1	1.9	1.8	0.5	0.2	<0.5
PM11MK401	653124	5517706	<0.1	3.1	<0.5	0.8	0.2	<0.5
PM11MK402	653145	5517699	<0.1	2.7	<0.5	0.4	<0.1	<0.5
PM11MK403	653178	5517692	<0.1	1.1	<0.5	0.3	<0.1	<0.5
PM11MK404	653196	5517697	<0.1	1.7	<0.5	0.5	<0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK405	650699	5518500	<0.1	3.2	<0.5	0.7	0.3	<0.5
PM11MK406	650725	5518502	<0.1	1.6	0.8	0.4	0.2	<0.5
PM11MK407	650750	5518499	<0.1	1	<0.5	0.5	0.2	<0.5
PM11MK408	650774	5518503	<0.1	2	<0.5	0.4	0.2	<0.5
PM11MK409	650810	5518499	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MK410	650826	5518500	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11MK411	650850	5518502	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM11MK412	650870	5518504	<0.1	0.6	6.6	0.3	0.2	<0.5
PM11MK413	650898	5518497	<0.1	3.6	<0.5	0.6	0.4	<0.5
PM11MK414	650921	5518502	<0.1	2.7	0.8	0.6	0.3	<0.5
PM11MK415	650956	5518499	<0.1	4.7	1.1	0.6	0.4	<0.5
PM11MK416	650977	5518498	<0.1	3	0.5	0.5	0.3	<0.5
PM11MK417	651009	5518514	<0.1	3.2	<0.5	0.5	0.3	<0.5
PM11MK418	651025	5518497	<0.1	3.3	7.7	0.5	0.3	<0.5
PM11MK419	651050	5518499	<0.1	2.7	<0.5	0.5	0.1	<0.5
PM11MK420	651072	5518503	<0.1	3.6	0.5	0.6	0.3	<0.5
PM11MK421	651104	5518495	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MK422	651129	5518500	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11MK423	651151	5518499	<0.1	1.8	<0.5	0.3	0.1	<0.5
PM11MK424	651178	5518499	<0.1	2.4	<0.5	0.4	0.1	<0.5
PM11MK425	651203	5518499	<0.1	2.7	<0.5	0.5	0.3	<0.5
PM11MK426	651224	5518500	<0.1	2.1	<0.5	0.3	0.2	<0.5
PM11MK427	651255	5518501	<0.1	1.2	0.5	0.3	0.2	<0.5
PM11MK428	651278	5518507	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11MK429	651299	5518490	0.2	2.5	<0.5	0.5	0.2	<0.5
PM11MK430	651330	5518495	<0.1	1.3	<0.5	0.4	0.2	<0.5
PM11MK431	651352	5518501	<0.1	1.3	111.5	0.4	0.1	<0.5
PM11MK432	651373	5518502	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM11MK433	651399	5518497	<0.1	2	1.1	0.5	0.2	<0.5
PM11MK434	652278	5517600	0.1	1.1	<0.5	0.2	<0.1	<0.5
PM11MK435	652249	5517605	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM11MK436	652227	5517606	<0.1	4	<0.5	0.6	0.3	<0.5
PM11MK437	652204	5517597	<0.1	2.3	<0.5	0.3	0.1	<0.5
PM11MK438	652175	5517596	<0.1	1.9	<0.5	0.4	0.1	<0.5
PM11MK439	652153	5517598	<0.1	2.5	<0.5	0.8	0.2	<0.5
PM11MK440	652126	5517601	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MK441	652103	5517603	0.1	2.7	<0.5	0.5	0.2	<0.5
PM11MK442	652077	5517599	<0.1	4.3	<0.5	0.7	0.4	<0.5
PM11MK443	652052	5517597	<0.1	2.3	<0.5	0.5	0.2	<0.5
PM11MK444	652022	5517602	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK445	652002	5517598	<0.1	2.1	20.6	0.6	0.2	<0.5
PM11MK446	651975	5517597	<0.1	2.9	<0.5	0.8	0.3	<0.5
PM11MK447	651954	5517599	<0.1	1.8	1.6	0.6	0.2	<0.5
PM11MK448	651926	5517600	<0.1	2.4	<0.5	0.8	0.3	<0.5
PM11MK449	651901	5517597	<0.1	4.1	<0.5	0.7	0.3	<0.5

**2011 GRID SOIL SAMPLES**

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK450	651876	5517602	<0.1	4.6	<0.5	0.6	0.3	<0.5
PM11MK451	651853	5517603	<0.1	2.5	<0.5	0.5	0.3	<0.5
PM11MK452	651825	5517603	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11MK453	651802	5517604	<0.1	2.4	<0.5	0.6	0.3	<0.5
PM11MK454	651775	5517603	0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MK455	651752	5517600	<0.1	2.2	<0.5	0.4	0.2	<0.5
PM11MK456	651723	5517597	<0.1	2.1	2	0.5	0.2	<0.5
PM11MK457	651703	5517598	<0.1	3.5	<0.5	1.5	0.4	<0.5
PM11MK458	651675	5517602	<0.1	2.9	<0.5	0.6	0.3	<0.5
PM11MK459	651652	5517599	<0.1	4.1	10.1	0.7	0.3	<0.5
PM11MK460	651626	5517601	<0.1	4.8	3.8	0.8	0.4	<0.5
PM11MK461	651606	5517603	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MK462	651576	5517595	<0.1	2.2	0.7	0.5	0.2	<0.5
PM11MK463	651547	5517600	<0.1	1.9	0.5	0.6	0.2	<0.5
PM11MK464	651522	5517600	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11MK465	651502	5517604	<0.1	2	3.9	0.4	0.2	<0.5
PM11MK466	651476	5517601	<0.1	2	<0.5	0.4	0.2	<0.5
PM11MK467	651454	5517600	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MK468	651427	5517599	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MK469	651409	5517602	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MK470	652002	5519406	<0.1	1.7	2.3	0.5	0.2	<0.5
PM11MK471	651977	5519401	0.1	2.8	1.3	0.5	0.1	<0.5
PM11MK472	651950	5519406	<0.1	2.8	1.5	0.6	0.2	<0.5
PM11MK473	651924	5519400	<0.1	1.5	13.1	0.4	0.1	<0.5
PM11MK474	651901	5519399	<0.1	1.9	2	0.4	0.2	<0.5
PM11MK475	651877	5519398	<0.1	1.5	2.8	0.5	0.1	<0.5
PM11MK476	651845	5519399	<0.1	1.6	2.4	0.3	<0.1	<0.5
PM11MK477	651824	5519402	<0.1	2.1	1.3	0.5	0.2	<0.5
PM11MK478	651804	5519398	<0.1	1.5	1.7	0.4	0.2	<0.5
PM11MK479	651776	5519399	0.3	1.5	2.1	0.5	0.2	<0.5
PM11MK480	651753	5519396	<0.1	1.6	0.7	0.5	0.2	<0.5
PM11MK481	651724	5519402	<0.1	1.4	0.9	0.4	0.2	<0.5
PM11MK482	651704	5519403	<0.1	2.3	1.4	0.5	0.2	<0.5
PM11MK483	651679	5519399	0.1	1.7	2.5	0.4	0.2	<0.5
PM11MK484	651654	5519406	<0.1	1.5	6.9	0.4	0.2	<0.5
PM11MK485	651624	5519401	<0.1	1.5	2.3	0.4	0.2	<0.5
PM11MK486	651606	5519395	<0.1	1.2	0.7	0.4	0.2	<0.5
PM11MK487	651576	5519405	<0.1	1.6	0.8	0.5	0.2	<0.5
PM11MK488	651556	5519395	<0.1	1.2	1.2	0.4	0.1	<0.5
PM11MK489	651523	5519407	<0.1	0.9	7.7	0.2	0.1	<0.5
PM11MK490	651479	5519397	<0.1	1.4	2.8	0.5	0.1	<0.5
PM11MK491	651479	5519397	<0.1	1.1	1.3	0.3	0.1	<0.5
PM11MK492	651450	5519406	<0.1	1.8	1.3	0.5	0.2	<0.5
PM11MK493	651424	5519404	<0.1	1.9	2	0.4	0.2	<0.5
PM11MK494	651394	5519402	<0.1	1.6	3.4	0.6	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK495	651373	5519407	<0.1	2.6	4.4	0.7	0.2	<0.5
PM11MK496	651351	5519402	<0.1	2.1	3.7	0.5	0.2	<0.5
PM11MK497	651325	5519398	<0.1	1.7	0.5	0.5	0.2	<0.5
PM11MK498	651296	5519396	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11MK499	651277	5519405	<0.1	1.4	<0.5	0.5	0.2	<0.5
PM11MK500	651251	5519400	<0.1	1.5	0.5	0.4	0.2	<0.5
PM11MK501	651229	5519405	<0.1	2.8	<0.5	0.6	0.3	<0.5
PM11MK502	651209	5519403	<0.1	3.7	3.1	0.6	0.4	<0.5
PM11MK503	651179	5519397	0.2	5.1	3.9	0.8	0.4	<0.5
PM11MK504	651150	5519398	<0.1	2.7	3.1	0.5	0.2	<0.5
PM11MK505	651134	5519410	<0.1	4.5	0.8	0.7	0.2	<0.5
PM11MK506	651100	5519396	<0.1	2.7	<0.5	0.3	0.2	<0.5
PM11MK507	651074	5519397	<0.1	1.7	1.5	0.3	0.2	<0.5
PM11MK508	651048	5519398	<0.1	3.2	1.3	0.6	0.2	<0.5
PM11MK509	651021	5519407	<0.1	3.1	<0.5	0.5	0.1	<0.5
PM11MK510	650992	5519403	0.2	2.9	1	0.4	0.1	<0.5
PM11MK511	650976	5519403	0.1	3.5	3.1	0.7	0.3	<0.5
PM11MK512	650951	5519403	<0.1	3.5	0.6	0.4	0.2	<0.5
PM11MK513	652279	5517300	<0.1	3.6	<0.5	0.9	0.2	<0.5
PM11MK514	652253	5517299	0.2	3.3	<0.5	0.7	<0.1	<0.5
PM11MK515	652222	5517301	0.1	2.4	1	0.6	0.1	0.5
PM11MK516	652197	5517305	<0.1	2.3	1	0.5	0.2	<0.5
PM11MK517	652174	5517300	<0.1	3.3	1	0.7	0.2	<0.5
PM11MK518	652152	5517299	0.1	1.6	<0.5	0.5	0.1	<0.5
PM11MK519	652120	5517301	<0.1	2.8	<0.5	0.6	0.1	<0.5
PM11MK520	652098	5517302	0.1	1.4	<0.5	0.6	<0.1	<0.5
PM11MK521	652075	5517300	<0.1	2.8	<0.5	0.6	0.1	<0.5
PM11MK522	652052	5517298	0.1	2.1	<0.5	0.8	0.1	<0.5
PM11MK523	652022	5517299	<0.1	1.5	<0.5	1.2	<0.1	<0.5
PM11MK524	651998	5517303	0.1	0.9	<0.5	1.2	<0.1	<0.5
PM11MK525	651976	5517301	<0.1	1.7	<0.5	1	0.1	<0.5
PM11MK526	651948	5517301	<0.1	1.6	<0.5	1	0.1	<0.5
PM11MK527	651924	5517297	<0.1	2.2	0.6	2.3	0.1	<0.5
PM11MK528	651902	5517299	<0.1	2.5	<0.5	1.4	0.1	<0.5
PM11MK529	651878	5517303	<0.1	2.5	<0.5	1	0.2	<0.5
PM11MK530	651851	5517300	<0.1	3	<0.5	0.7	0.2	<0.5
PM11MK531	651827	5517300	<0.1	2.4	0.7	0.7	0.1	<0.5
PM11MK532	651804	5517302	<0.1	2.6	0.7	0.5	0.2	<0.5
PM11MK533	651773	5517302	<0.1	1.2	<0.5	0.3	0.1	<0.5
PM11MK534	651753	5517307	<0.1	1.9	<0.5	0.7	0.1	<0.5
PM11MK535	651728	5517301	<0.1	1.5	<0.5	0.3	<0.1	<0.5
PM11MK536	651705	5517300	<0.1	3	1.8	0.6	0.2	<0.5
PM11MK537	651676	5517301	<0.1	1.5	0.6	1.1	0.2	<0.5
PM11MK538	651653	5517304	<0.1	0.9	<0.5	0.4	0.1	<0.5
PM11MK539	651623	5517299	<0.1	5.1	1	0.6	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MK540	651603	5517303	<0.1	2.5	<0.5	0.8	0.2	<0.5
PM11MK541	651572	5517301	<0.1	3	2.7	0.5	0.3	0.5
PM11MK542	651553	5517300	<0.1	1.3	0.5	0.3	0.2	<0.5
PM11MK543	651523	5517300	<0.1	1.1	1.5	0.4	0.1	<0.5
PM11MK544	651499	5517300	<0.1	2.3	1	0.6	0.2	<0.5
PM11MK545	652929	5519798	<0.1	2.2	1.1	0.7	0.2	<0.5
PM11MK546	652947	5519798	<0.1	1.5	0.6	0.5	0.2	<0.5
PM11MK547	652976	5519804	<0.1	2.5	<0.5	0.7	0.2	<0.5
PM11MK548	653000	5519804	<0.1	5.1	5	0.7	0.3	<0.5
PM11MK549	653025	5519794	<0.1	2.4	0.8	0.5	0.1	<0.5
PM11MK550	653051	5519802	<0.1	2.8	1.4	0.9	0.2	<0.5
PM11MK551	653073	5519802	<0.1	2.7	<0.5	0.7	0.2	<0.5
PM11MK552	653099	5519806	<0.1	2.4	0.6	0.6	0.2	<0.5
PM11MK553	653130	5519813	0.1	1.9	3	0.7	0.2	<0.5
PM11MK554	653154	5519798	<0.1	1.8	<0.5	0.6	0.1	<0.5
PM11MK555	653172	5519798	<0.1	2.2	0.8	0.5	0.1	<0.5
PM11MK556	653198	5519801	<0.1	2.6	1.9	0.6	0.2	<0.5
no sample	652874	5519796						
PM11MK557	652853	5519802	<0.1	2	0.7	0.6	0.2	<0.5
PM11MK558	652829	5519798	<0.1	1.3	<0.5	0.4	<0.1	<0.5
PM11MK559	652804	5519805	<0.1	2.3	<0.5	0.4	0.2	<0.5
PM11MK560	652747	5519806	<0.1	5	1.6	0.7	0.4	<0.5
PM11MK561	652747	5519808	<0.1	1.8	0.7	0.6	0.2	<0.5
PM11MK562	652719	5519793	<0.1	1.7	0.5	0.4	<0.1	<0.5
PM11MK563	652705	5519799	<0.1	2.4	1.2	0.9	0.2	<0.5
PM11MK564	652675	5519807	<0.1	2.4	1.5	0.4	0.2	<0.5
PM11MK565	652656	5519810	<0.1	2.5	1.2	0.5	0.1	<0.5
PM11RP001	652827	5518702	<0.1	1.4	1	0.8	0.1	<0.5
PM11RP002	652803	5518699	0.1	3.2	<0.5	0.7	0.1	<0.5
PM11RP003	652777	5518700	0.2	1.5	0.5	0.5	0.1	<0.5
PM11RP004	652753	5518694	<0.1	1.5	0.6	0.6	0.1	<0.5
PM11RP005	652727	5518703	0.1	1.3	<0.5	0.6	0.1	<0.5
PM11RP006	652701	5518697	0.1	2	<0.5	1.2	0.1	<0.5
PM11RP007	652674	5518701	<0.1	1.2	<0.5	0.8	<0.1	<0.5
PM11RP008	652648	5518696	0.1	5.7	0.7	1	0.3	<0.5
PM11RP009	652626	5518696	<0.1	2.8	0.7	0.8	0.3	<0.5
PM11RP010	652599	5518704	<0.1	1.7	<0.5	0.7	0.2	<0.5
PM11RP011	652574	5518703	<0.1	1	<0.5	0.5	0.1	<0.5
PM11RP012	652547	5518701	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11RP013	652524	5518700	<0.1	1.5	2.2	0.5	0.2	<0.5
PM11RP014	652503	5518702	<0.1	1.3	<0.5	0.7	0.2	<0.5
PM11RP015	652471	5518698	<0.1	1.4	3.5	0.6	0.2	<0.5
PM11RP016	652453	5518699	<0.1	1.6	1.5	0.6	0.2	<0.5
PM11RP017	652424	5518701	<0.1	2	<0.5	0.6	0.2	<0.5
PM11RP018	652397	5518705	<0.1	2	<0.5	0.6	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP019	652376	5518698	0.1	1.9	<0.5	0.6	0.2	<0.5
PM11RP020	652348	5518708	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11RP021	652327	5518702	<0.1	1.1	2.8	0.4	0.1	<0.5
PM11RP022	652299	5518698	<0.1	1.2	<0.5	0.4	0.2	<0.5
PM11RP023	652277	5518702	<0.1	1.2	<0.5	0.5	0.1	<0.5
PM11RP024	652249	5518701	<0.1	1.5	<0.5	0.5	0.1	<0.5
PM11RP025	652223	5518700	<0.1	1.8	<0.5	0.8	0.2	<0.5
PM11RP026	652201	5518704	<0.1	1.7	<0.5	0.8	0.2	<0.5
PM11RP027	652176	5518701	<0.1	1.6	1	0.7	0.2	<0.5
PM11RP028	652152	5518699	<0.1	0.6	<0.5	0.4	<0.1	<0.5
PM11RP029	652118	5518704	0.2	2.3	<0.5	0.8	0.2	<0.5
PM11RP030	652097	5518703	<0.1	2.4	4	0.8	0.2	<0.5
PM11RP031	652073	5518702	<0.1	2	5	0.8	0.2	<0.5
PM11RP032	652052	5518703	<0.1	2.3	2	0.8	0.2	<0.5
PM11RP033	652024	5518705	<0.1	1.4	0.7	0.5	0.2	<0.5
PM11RP034	652002	5518703	<0.1	1.2	<0.5	0.5	0.2	<0.5
PM11RP035	651975	5518701	<0.1	1.9	4.6	0.7	0.2	<0.5
PM11RP036	651947	5518694	<0.1	1.9	1.2	0.7	0.2	<0.5
PM11RP037	651921	5518703	0.1	2.3	0.6	0.8	0.2	<0.5
PM11RP038	651900	5518703	0.1	2.5	3.1	0.8	0.2	<0.5
PM11RP039	651876	5518700	0.1	2.6	3.2	0.8	0.2	<0.5
PM11RP040	651851	5518698	<0.1	4	2.9	0.6	0.3	0.5
PM11RP041	651829	5518703	<0.1	3.3	1.8	0.6	0.2	<0.5
PM11RP042	651806	5518708	0.1	2.9	<0.5	0.7	0.2	<0.5
PM11RP043	651787	5518705	0.3	3.7	1.7	0.4	0.3	<0.5
PM11RP044	651771	5518702	0.3	3.9	1.5	0.5	0.3	0.6
PM11RP045	651752	5518701	0.3	6	1.6	0.5	0.3	<0.5
PM11RP046	651745	5518701	0.3	5.2	1.6	0.5	0.4	<0.5
PM11RP047	651725	5518709	0.2	2.2	1.7	1.6	0.3	<0.5
PM11RP048	651702	5518706	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11RP049	651676	5518701	<0.1	2.3	0.7	0.6	0.2	<0.5
PM11RP050	651647	5518711	0.2	3	2.1	0.7	0.4	<0.5
PM11RP051	651626	5518710	<0.1	3.4	3.2	0.7	0.3	0.6
PM11RP052	651600	5518699	<0.1	8.4	4.3	1.3	0.5	<0.5
PM11RP053	651572	5518700	0.5	4.8	2.4	0.6	0.4	0.7
PM11RP054	651549	5518709	<0.1	2.9	1.9	0.7	0.2	<0.5
PM11RP055	651525	5518697	<0.1	2.8	<0.5	0.9	0.2	<0.5
PM11RP056	651501	5518705	<0.1	3.1	10.7	0.7	0.1	<0.5
PM11RP057	651476	5518698	0.1	3.7	8.2	1	0.2	<0.5
PM11RP058	651452	5518693	0.1	3.5	1.2	0.9	0.2	<0.5
PM11RP059	651427	5518700	<0.1	2.9	<0.5	0.7	0.2	<0.5
PM11RP060	651399	5518703	<0.1	3	1	0.8	0.2	<0.5
PM11RP061	651374	5518701	<0.1	3	3	0.6	0.2	<0.5
PM11RP062	651352	5518699	<0.1	2.6	1.9	0.4	0.2	<0.5
no sample	659330	5552909						

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP063	651324	5518706	<0.1	2	2.3	0.4	0.2	<0.5
PM11RP064	651302	5518700	<0.1	2.2	0.9	0.5	0.2	<0.5
PM11RP065	651270	5518699	<0.1	2.4	2.2	0.5	0.1	<0.5
PM11RP066	651254	5518698	<0.1	1.3	<0.5	0.3	0.2	<0.5
PM11RP067	651224	5518700	<0.1	1.4	1.2	0.4	0.2	<0.5
PM11RP068	651197	5518703	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11RP069	651174	5518700	<0.1	1.8	1.5	0.5	0.1	<0.5
PM11RP070	651150	5518692	<0.1	3	3.3	0.5	0.2	<0.5
PM11RP071	651123	5518702	0.1	2.9	0.8	0.6	0.2	<0.5
PM11RP072	651102	5518703	<0.1	3.9	1.1	0.6	0.2	<0.5
PM11RP073	651073	5518690	<0.1	2.2	2	0.6	0.2	<0.5
PM11RP074	651050	5518691	<0.1	2.9	<0.5	0.5	0.2	<0.5
PM11RP075	651028	5518702	<0.1	2.8	1	0.5	0.2	<0.5
PM11RP076	650997	5518691	<0.1	3.3	1.3	0.5	0.3	<0.5
PM11RP077	650975	5518697	<0.1	3.2	4.3	0.6	0.3	<0.5
PM11RP078	650949	5518705	<0.1	3.4	3.9	0.6	0.3	<0.5
PM11RP079	650924	5518703	<0.1	4.3	1.1	0.5	0.4	<0.5
PM11RP080	650892	5518713	<0.1	1	<0.5	0.5	0.2	<0.5
PM11RP081	650874	5518703	<0.1	1.8	0.6	0.6	0.2	<0.5
PM11RP082	650850	5518703	<0.1	1.3	<0.5	0.3	0.2	<0.5
PM11RP083	650828	5518698	<0.1	1.2	1.3	0.4	0.2	<0.5
PM11RP084	650801	5518695	<0.1	2.1	<0.5	0.4	0.3	<0.5
no sample	650773	5518698						
PM11RP086	650745	5518703	<0.1	1.1	<0.5	0.4	0.2	<0.5
PM11RP087	650726	5518702	<0.1	2.3	0.8	0.6	0.2	<0.5
PM11RP088	650699	5518703	<0.1	2	<0.5	0.5	0.2	<0.5
PM11RP089	652463	5519190	<0.1	2.9	<0.5	0.6	0.3	<0.5
PM11RP090	652473	5519195	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11RP091	652498	5519213	0.2	3	1.1	0.7	0.3	<0.5
PM11RP092	652528	5519236	<0.1	1.8	1.3	0.6	0.2	<0.5
PM11RP093	652548	5519249	<0.1	2.4	0.6	0.7	0.1	<0.5
PM11RP094	652570	5519238	<0.1	1.6	<0.5	0.4	0.1	<0.5
PM11RP095	652595	5519279	<0.1	2.6	4	0.8	0.2	<0.5
no sample	652652	5519318						
no sample	652676	5519305						
no sample	652694	5519294						
no sample	652719	5519227						
PM11RP096	652743	5519203	<0.1	2.4	10	0.7	0.2	<0.5
PM11RP097	652775	5519209	<0.1	3	1.3	0.6	0.2	<0.5
PM11RP098	652802	5519201	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11RP099	652831	5519205	<0.1	2.5	10.9	0.5	0.2	<0.5
PM11RP100	652864	5519217	<0.1	2.5	2	0.5	0.3	<0.5
PM11RP101	652888	5519210	<0.1	3	1.4	0.6	0.2	<0.5
PM11RP102	652902	5519201	<0.1	2.5	0.8	0.6	0.2	<0.5
PM11RP103	652924	5519202	<0.1	2.3	4.2	0.7	0.2	0.7

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP104	652947	5519200	<0.1	2.5	8.9	0.6	0.2	<0.5
PM11RP105	652973	5519196	<0.1	2.6	32.2	0.6	0.2	<0.5
PM11RP106	653001	5519206	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11RP107	653026	5519200	<0.1	2.4	0.7	0.5	0.2	<0.5
PM11RP108	653052	5519201	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11RP109	652447	5519194	0.2	2.4	<0.5	0.7	0.3	0.6
PM11RP110	652427	5519211	<0.1	2.2	2	0.6	0.2	<0.5
PM11RP111	652404	5519211	<0.1	1.5	<0.5	0.6	0.2	<0.5
PM11RP112	652376	5519201	<0.1	2.9	0.9	0.8	0.2	0.6
PM11RP113	652353	5519195	<0.1	2.9	1.1	0.6	0.3	0.6
no sample	652325	5519198						
PM11RP115	652302	5519201	0.1	2	2.9	1.3	0.2	<0.5
PM11RP116	652272	5519190	0.1	1.8	3	1.4	0.2	<0.5
PM11RP117	652249	5519198	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11RP118	652225	5519203	<0.1	1.3	1.8	0.6	0.1	<0.5
PM11RP119	652201	5519202	<0.1	1.4	5.1	0.5	0.1	<0.5
PM11RP120	652175	5519204	<0.1	1.8	5.8	0.4	0.2	<0.5
PM11RP121	652155	5519197	0.1	6.4	1.9	0.9	0.3	<0.5
PM11RP122	652128	5519203	<0.1	4.5	8.7	0.8	0.2	<0.5
PM11RP123	652100	5519199	<0.1	4.6	2.3	0.6	0.2	<0.5
PM11RP124	652072	5519194	0.1	3.9	10.3	0.5	0.2	<0.5
PM11RP125	652053	5519195	0.1	5.3	1	0.7	0.2	<0.5
PM11RP126	652025	5519204	<0.1	3.6	2.3	0.5	0.2	<0.5
PM11RP127	651998	5519195	0.2	4.9	1	0.6	0.2	<0.5
PM11RP128	651971	5519198	0.1	5.1	1.2	0.7	0.2	<0.5
PM11RP129	651951	5519200	0.1	4.7	2.7	0.7	0.2	<0.5
PM11RP130	651922	5519194	<0.1	3.2	2.3	0.5	0.1	<0.5
PM11RP131	651904	5519203	<0.1	3.5	0.9	0.6	0.3	<0.5
PM11RP132	651875	5519198	<0.1	3.6	4.6	0.8	0.2	<0.5
PM11RP133	651847	5519196	<0.1	5.4	1.4	0.9	0.3	<0.5
PM11RP134	651824	5519198	<0.1	4	4.3	0.7	0.3	<0.5
PM11RP135	651803	5519202	<0.1	3	0.9	0.7	0.2	<0.5
PM11RP136	651775	5519200	<0.1	3.5	5.4	0.4	0.2	<0.5
PM11RP137	651752	5519199	0.2	7.1	45.9	0.7	0.3	<0.5
PM11RP138	651724	5519199	<0.1	3.8	5.8	0.5	0.2	<0.5
PM11RP139	651700	5519200	<0.1	3.3	1.2	0.6	0.2	<0.5
PM11RP140	651676	5519201	0.2	5.1	1.1	0.5	0.3	<0.5
PM11RP141	651652	5519205	0.2	4.9	1.1	0.4	0.3	<0.5
PM11RP142	651621	5519205	0.2	6.9	2.7	0.6	0.3	<0.5
PM11RP143	651598	5519202	<0.1	4.9	4.5	0.8	0.2	<0.5
PM11RP144	651573	5519200	<0.1	4.9	0.9	0.8	0.2	<0.5
PM11RP145	651552	5519206	0.1	3.7	5.8	0.5	0.2	<0.5
PM11RP146	651524	5519197	<0.1	4	1.8	0.6	0.2	<0.5
PM11RP147	651500	5519201	<0.1	2.6	0.6	0.5	0.1	<0.5
PM11RP148	651471	5519203	<0.1	2.8	1	0.5	0.1	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP149	651449	5519197	<0.1	3.2	1.8	0.6	0.2	<0.5
PM11RP150	651424	5519199	<0.1	3.5	7.4	0.5	0.2	<0.5
PM11RP151	651400	5519199	<0.1	3	1.7	0.7	0.2	<0.5
PM11RP152	651372	5519200	<0.1	2.9	0.9	0.6	0.2	<0.5
PM11RP153	651349	5519198	<0.1	2.5	2.4	0.6	0.1	<0.5
PM11RP154	651322	5519198	<0.1	2.6	2.5	0.6	0.2	<0.5
PM11RP155	651296	5519201	<0.1	3.3	5.7	0.5	0.2	<0.5
PM11RP156	651268	5519207	0.1	2.5	3.3	0.5	0.2	<0.5
PM11RP157	651247	5519196	<0.1	2.6	1.9	0.6	0.2	<0.5
PM11RP158	651226	5519200	<0.1	2.9	1.7	0.5	0.2	<0.5
PM11RP159	651205	5519203	<0.1	2.9	1.7	0.5	0.2	<0.5
PM11RP160	651177	5519199	<0.1	1.8	2.7	0.5	0.2	<0.5
PM11RP161	651151	5519202	<0.1	3.1	2.5	0.6	0.2	<0.5
PM11RP162	651122	5519199	<0.1	3.2	4	0.6	0.2	<0.5
PM11RP163	651101	5519189	<0.1	4.2	1.5	0.7	0.3	<0.5
PM11RP164	651081	5519190	<0.1	2.4	5.6	0.5	0.2	<0.5
PM11RP165	651034	5519192	<0.1	1.9	8.3	0.4	0.2	<0.5
PM11RP166	651000	5519200	<0.1	2	2.4	0.3	0.2	<0.5
PM11RP167	650974	5519203	0.1	2.3	1.6	0.6	0.3	<0.5
PM11RP168	650949	5519205	<0.1	2.3	2.1	0.7	0.2	<0.5
PM11RP169	652295	5519600	0.1	2.7	4.6	0.6	0.2	<0.5
PM11RP170	652324	5519598	<0.1	2.5	0.7	0.6	0.2	<0.5
PM11RP171	652347	5519595	0.1	2.3	<0.5	0.6	0.2	<0.5
PM11RP172	652375	5519596	<0.1	2.7	11.5	0.8	0.2	<0.5
PM11RP173	652412	5519594	0.1	2.3	3.2	0.5	0.2	<0.5
PM11RP174	652422	5519603	1.1	5.4	4.6	0.8	0.4	<0.5
PM11RP175	652451	5519605	0.9	3.4	5.6	0.6	0.4	<0.5
PM11RP176	652476	5519604	0.8	3	3.7	0.6	0.4	<0.5
PM11RP177	652503	5519604	0.8	3.8	3.2	0.7	0.4	<0.5
PM11RP178	652528	5519598	<0.1	3.8	0.7	0.4	0.1	<0.5
PM11RP179	652546	5519591	<0.1	4.4	0.7	0.4	0.1	<0.5
PM11RP180	652573	5519596	<0.1	3.8	<0.5	0.4	0.1	<0.5
PM11RP181	652595	5519599	<0.1	3.8	0.6	0.3	0.1	<0.5
PM11RP182	652630	5519601	<0.1	3.7	<0.5	0.6	0.2	<0.5
PM11RP183	652653	5519602	<0.1	4.4	0.7	0.7	0.2	<0.5
PM11RP184	652677	5519599	<0.1	2.1	0.7	0.6	0.2	<0.5
PM11RP185	652703	5519603	<0.1	2.2	0.8	0.6	0.2	<0.5
PM11RP186	652725	5519599	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11RP187	652749	5519596	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11RP188	652779	5519594	<0.1	2.7	1	0.6	0.2	<0.5
PM11RP189	652807	5519594	<0.1	2.1	3.2	0.5	0.1	<0.5
PM11RP190	652824	5519593	<0.1	2.3	<0.5	0.6	0.1	<0.5
PM11RP191	652849	5519601	<0.1	1.9	0.9	0.7	0.1	<0.5
PM11RP192	652872	5519599	<0.1	2.7	0.6	0.5	0.1	<0.5
PM11RP193	652899	5519593	<0.1	4.2	<0.5	0.3	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP194	652924	5519594	<0.1	4.2	<0.5	0.4	0.3	<0.5
PM11RP195	652945	5519596	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11RP196	652974	5519593	<0.1	1.5	1.4	0.4	0.2	<0.5
PM11RP197	652995	5519599	<0.1	1.8	1.4	0.6	0.2	<0.5
PM11RP198	653028	5519605	<0.1	1.5	0.8	0.4	0.2	<0.5
PM11RP199	653050	5519603	<0.1	1.6	1.6	0.4	0.2	<0.5
PM11RP200	653074	5519604	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11RP201	653099	5519602	<0.1	1.7	<0.5	0.4	<0.1	<0.5
PM11RP202	653124	5519598	<0.1	2.9	0.7	0.4	<0.1	<0.5
PM11RP203	653146	5519595	<0.1	3.1	<0.5	0.5	<0.1	<0.5
PM11RP204	653174	5519601	<0.1	7.7	<0.5	0.8	0.3	<0.5
PM11RP205	653196	5519605	<0.1	2	<0.5	0.8	0.1	<0.5
PM11RP206	652262	5519602	<0.1	3.6	1.2	0.4	0.1	<0.5
PM11RP207	652253	5519603	<0.1	4.1	1.4	0.6	0.2	<0.5
PM11RP208	652223	5519600	<0.1	5.7	<0.5	0.8	0.2	<0.5
PM11RP209	652200	5519602	<0.1	5.7	<0.5	0.9	0.2	<0.5
PM11RP210	652173	5519595	<0.1	7.2	0.6	0.6	0.2	<0.5
PM11RP211	652152	5519602	<0.1	2.8	1	0.5	0.2	<0.5
PM11RP212	652122	5519596	0.1	3.1	<0.5	0.5	0.2	<0.5
PM11RP213	652094	5519597	<0.1	2.7	<0.5	0.5	<0.1	<0.5
PM11RP214	652077	5519599	<0.1	3.4	<0.5	0.6	0.2	<0.5
PM11RP215	652050	5519599	<0.1	14.6	<0.5	0.9	0.3	<0.5
PM11RP216	652024	5519595	<0.1	17.8	<0.5	0.9	0.4	<0.5
PM11RP217	651999	5519601	<0.1	10.2	<0.5	0.6	0.3	<0.5
PM11RP218	651974	5519594	<0.1	7	<0.5	0.7	0.3	<0.5
PM11RP219	651952	5519598	<0.1	15	<0.5	1.1	0.5	<0.5
PM11RP220	651924	5519598	<0.1	14.4	<0.5	1.1	0.5	<0.5
PM11RP221	651895	5519596	<0.1	16.9	<0.5	1.3	0.7	<0.5
PM11RP222	651877	5519601	<0.1	9.3	<0.5	0.6	0.5	0.6
PM11RP223	651851	5519601	<0.1	11.2	<0.5	0.8	0.4	<0.5
PM11RP224	651828	5519601	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11RP225	651802	5519601	<0.1	1	3	0.4	0.2	<0.5
PM11RP226	651772	5519600	<0.1	2.2	8.4	0.5	0.2	<0.5
PM11RP227	651749	5519595	<0.1	2.3	0.9	0.5	0.2	<0.5
PM11RP228	651726	5519601	<0.1	2	<0.5	0.5	0.2	<0.5
PM11RP229	651699	5519597	<0.1	1.4	1.5	0.5	0.3	<0.5
PM11RP230	651676	5519597	<0.1	1.3	1.7	0.4	0.2	<0.5
PM11RP231	651650	5519593	<0.1	1.8	2.9	0.5	0.3	<0.5
PM11RP232	651624	5519607	<0.1	1.4	1.2	0.4	0.2	<0.5
PM11RP233	651600	5519604	<0.1	1.6	1.3	0.3	0.2	<0.5
PM11RP234	651572	5519595	<0.1	3.9	2.3	0.6	0.3	<0.5
PM11RP235	651546	5519595	<0.1	4.3	1.7	0.6	0.4	<0.5
PM11RP236	651525	5519595	0.1	2.9	<0.5	0.4	0.1	<0.5
PM11RP237	651501	5519603	<0.1	2.9	0.9	0.6	0.1	<0.5
PM11RP238	651477	5519607	<0.1	1.9	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP239	651449	5519596	0.1	1.4	<0.5	0.4	0.2	<0.5
PM11RP240	651423	5519605	<0.1	1.7	5	0.4	0.2	<0.5
PM11RP241	651399	5519603	<0.1	1.4	4.2	0.5	0.2	<0.5
PM11RP242	651374	5519590	<0.1	3.5	0.6	0.7	0.3	<0.5
PM11RP243	651350	5519596	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11RP244	651324	5519603	<0.1	2	<0.5	0.6	0.2	<0.5
PM11RP245	651298	5519600	<0.1	1.3	<0.5	0.5	0.2	<0.5
PM11RP246	651268	5519597	<0.1	1.4	10.6	0.6	0.2	<0.5
PM11RP247	651248	5519600	<0.1	1.9	1.5	0.5	0.1	<0.5
PM11RP248	651223	5519595	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM11RP249	651203	5519599	<0.1	1.7	<0.5	0.4	0.2	<0.5
PM11RP250	651175	5519600	<0.1	2.2	3.2	0.4	0.2	<0.5
PM11RP251	651148	5519591	<0.1	1.7	1.1	0.4	0.2	<0.5
PM11RP252	651099	5519595	<0.1	3.6	<0.5	0.4	0.1	<0.5
PM11RP253	651108	5519604	<0.1	4	<0.5	0.5	0.2	<0.5
PM11RP254	651082	5519602	<0.1	3.7	<0.5	0.4	0.2	<0.5
PM11RP255	651077	5519594	<0.1	2	1.2	0.5	0.2	<0.5
PM11RP256	651047	5519597	<0.1	2.4	1.6	0.4	0.2	<0.5
PM11RP257	651025	5519600	<0.1	3.2	<0.5	0.7	<0.1	<0.5
PM11RP258	650993	5519601	<0.1	3.6	1	0.5	<0.1	<0.5
PM11RP259	650976	5519601	<0.1	3.3	0.7	0.5	0.2	<0.5
PM11RP260	650949	5519602	<0.1	3.4	0.8	0.5	0.2	<0.5
PM11RP261	650925	5519605	<0.1	2.8	0.6	0.4	<0.1	<0.5
PM11RP262	650899	5519604	<0.1	2.9	0.7	0.4	0.2	0.5
PM11RP263	650874	5519601	0.1	2.2	1.2	0.5	0.1	<0.5
PM11RP264	650848	5519604	0.2	2.2	0.9	0.3	0.1	<0.5
PM11RP265	650825	5519596	<0.1	3.2	0.6	0.7	0.3	0.7
PM11RP266	650820	5519596	<0.1	2.8	0.6	0.6	0.1	0.7
PM11RP267	650774	5519599	<0.1	2.8	<0.5	0.6	0.1	<0.5
PM11RP268	650752	5519601	<0.1	2.3	0.8	0.6	0.2	0.6
PM11RP269	650725	5519598	<0.1	2.4	0.7	0.6	0.1	<0.5
PM11RP270	650699	5519602	<0.1	2.1	<0.5	0.5	0.2	0.7
PM11RP271	652306	5518300	<0.1	2.4	4.4	0.5	0.2	<0.5
PM11RP272	652325	5518303	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11RP273	652352	5518302	<0.1	2.4	1.1	0.5	0.2	<0.5
PM11RP274	652379	5518299	<0.1	2.2	3.1	0.5	0.2	<0.5
PM11RP275	652400	5518303	<0.1	2.7	<0.5	0.5	0.2	<0.5
PM11RP276	652426	5518298	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11RP277	652452	5518296	<0.1	3.3	<0.5	0.9	0.3	0.6
PM11RP278	652475	5518297	<0.1	3.9	1.2	0.7	0.3	<0.5
PM11RP279	652500	5518300	<0.1	4	0.9	0.7	0.4	<0.5
PM11RP280	652525	5518300	<0.1	5.4	0.8	0.7	0.4	0.5
PM11RP281	652548	5518299	<0.1	3.2	0.6	0.8	0.3	<0.5
PM11RP282	652600	5518298	<0.1	3.3	1.2	0.8	0.3	<0.5
PM11RP283	652627	5518293	<0.1	2.8	2.2	0.7	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP284	652656	5518286	<0.1	3.1	<0.5	0.8	0.2	<0.5
PM11RP285	652677	5518288	<0.1	3.3	2.7	0.7	0.3	<0.5
PM11RP286	652702	5518298	<0.1	3.2	0.5	0.7	0.2	<0.5
PM11RP287	652727	5518297	<0.1	2.5	0.7	0.7	0.2	<0.5
PM11RP288	652747	5518299	<0.1	2.4	<0.5	0.7	0.2	<0.5
PM11RP289	652778	5518300	<0.1	2.6	0.5	0.7	0.2	<0.5
PM11RP290	652799	5518308	<0.1	3.1	<0.5	0.8	0.2	<0.5
PM11RP291	652832	5518303	<0.1	3.1	<0.5	0.8	0.2	<0.5
PM11RP292	652854	5518299	<0.1	2.3	<0.5	0.6	0.3	<0.5
PM11RP293	652880	5518295	<0.1	2.5	0.9	0.6	0.3	<0.5
PM11RP294	652899	5518297	<0.1	1.8	9.5	0.6	0.2	<0.5
PM11RP295	652927	5518305	<0.1	1.6	<0.5	0.6	0.2	<0.5
PM11RP296	652948	5518304	<0.1	3.1	<0.5	0.6	0.3	<0.5
PM11RP297	652979	5518288	<0.1	3	<0.5	0.6	0.3	<0.5
PM11RP298	653003	5518293	0.2	3.1	871.2	0.7	0.3	<0.5
PM11RP299	653023	5518300	<0.1	3	<0.5	0.6	0.3	<0.5
PM11RP300	653052	5518309	<0.1	3.8	<0.5	1.1	0.3	<0.5
PM11RP301	653076	5518294	<0.1	3.9	0.7	0.8	0.3	<0.5
PM11RP302	653105	5518294	<0.1	1.7	4.9	0.9	0.2	<0.5
PM11RP303	653124	5518301	<0.1	1.1	1.4	0.8	0.2	<0.5
PM11RP304	653150	5518296	<0.1	1.9	<0.5	0.8	0.2	<0.5
PM11RP305	653174	5518298	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11RP306	653202	5518305	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11RP308	652270	5518302	<0.1	1.6	0.6	0.6	0.2	<0.5
PM11RP309	652252	5518299	<0.1	1.2	<0.5	0.5	0.2	<0.5
PM11RP310	652226	5518297	0.1	3.5	<0.5	0.6	0.2	<0.5
PM11RP311	652177	5518295	0.1	2.1	1.6	0.5	0.2	<0.5
PM11RP312	652150	5518293	<0.1	2.8	<0.5	0.7	0.3	<0.5
PM11RP313	652126	5518299	0.3	3	<0.5	0.8	0.3	1.8
PM11RP314	652095	5518306	0.2	1.9	<0.5	0.7	0.2	<0.5
PM11RP315	652040	5518307	0.1	1.8	<0.5	0.7	0.2	<0.5
PM11RP316	652026	5518302	<0.1	2.3	1.6	0.8	0.2	<0.5
PM11RP317	651999	5518303	<0.1	2.4	3.8	0.6	0.2	<0.5
PM11RP318	651975	5518304	<0.1	2.4	1.2	0.7	0.2	<0.5
PM11RP319	651951	5518302	<0.1	2.5	3.9	0.8	0.2	<0.5
PM11RP320	651923	5518307	<0.1	2.5	7.9	0.6	0.2	<0.5
PM11RP321	651899	5518301	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM11RP322	651876	5518301	<0.1	2.2	2.9	0.6	0.2	<0.5
PM11RP323	651848	5518309	<0.1	1.9	0.6	0.5	0.2	<0.5
PM11RP324	651825	5518305	<0.1	1.2	0.5	0.3	0.2	<0.5
PM11RP325	651795	5518295	<0.1	2.1	1.2	0.5	0.2	<0.5
PM11RP326	651774	5518295	<0.1	3.4	0.5	0.8	0.3	0.7
PM11RP327	651724	5518292	<0.1	2.2	1.3	0.6	0.2	<0.5
PM11RP328	651698	5518305	<0.1	2.1	2	0.6	0.2	<0.5
PM11RP329	651674	5518301	<0.1	2.2	0.7	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP330	651652	5518299	<0.1	2.3	2	0.5	0.2	<0.5
PM11RP331	651625	5518300	<0.1	2.1	0.5	0.6	0.2	<0.5
PM11RP332	651601	5518301	<0.1	1.8	<0.5	0.4	0.1	<0.5
PM11RP333	651575	5518303	<0.1	3.1	1.4	0.5	0.1	<0.5
PM11RP334	651549	5518303	<0.1	3	<0.5	0.5	0.1	<0.5
PM11RP335	651521	5518300	<0.1	3	0.6	0.5	<0.1	<0.5
PM11RP336	651502	5518297	0.1	3	0.5	0.5	0.1	<0.5
PM11RP337	651475	5518295	<0.1	2.8	1.5	0.7	0.1	<0.5
PM11RP338	651449	5518293	<0.1	3.3	<0.5	0.7	0.2	<0.5
PM11RP339	651425	5518296	<0.1	3.2	17.6	0.7	0.2	<0.5
PM11RP340	652272	5518001	<0.1	3.4	<0.5	0.7	0.2	<0.5
PM11RP341	652251	5517999	<0.1	3	<0.5	0.6	0.2	<0.5
PM11RP342	652225	5517997	<0.1	3.2	0.9	0.6	0.3	<0.5
PM11RP343	652201	5517996	<0.1	3.2	0.6	0.6	0.2	<0.5
PM11RP344	652176	5518001	<0.1	2.4	1	0.5	0.2	<0.5
PM11RP345	652150	5517994	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11RP346	652128	5517999	<0.1	2.6	1.6	0.6	0.2	<0.5
PM11RP347	652101	5517995	<0.1	2.8	0.9	0.6	0.2	<0.5
PM11RP348	652074	5517991	<0.1	2.4	1.5	0.6	0.2	<0.5
PM11RP349	652051	5517996	<0.1	2.2	0.6	0.6	0.2	<0.5
PM11RP350	652023	5517999	<0.1	2.6	2.6	0.6	0.2	<0.5
PM11RP351	651992	5518001	<0.1	2.4	<0.5	0.5	0.2	<0.5
PM11RP352	651972	5518000	<0.1	2.4	1.2	0.6	0.2	<0.5
PM11RP353	651950	5517997	<0.1	3.9	1.7	0.9	0.4	<0.5
PM11RP354	651923	5517995	<0.1	2.5	1.4	0.7	0.3	<0.5
PM11RP355	651899	5517997	<0.1	2.6	0.7	0.7	0.2	<0.5
PM11RP356	651876	5517994	<0.1	2.7	1.7	1.2	0.2	<0.5
PM11RP357	651850	5517991	<0.1	2.5	1	1.1	0.2	<0.5
PM11RP358	651825	5518004	<0.1	2.4	<0.5	1.2	0.2	<0.5
PM11RP359	651800	5518003	<0.1	2.4	<0.5	1	0.2	<0.5
PM11RP360	651776	5517997	<0.1	1.9	1	1.2	0.2	<0.5
no sample	651752	5517995						
no sample	651726	5518002						
no sample	651701	5518001						
no sample	651674	5517998						
no sample	651649	5517995						
no sample	651599	5518002						
no sample	651577	5518001						
no sample	651551	5517999						
no sample	651526	5518000						
no sample	651499	5517997						
no sample	651475	5518002						
no sample	651448	5518000						
no sample	651425	5517999						
no sample	651405	5517997						

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
no sample	651374	5517994						
PM11RP361	652276	5517700	<0.1	2.2	3	1	0.2	<0.5
PM11RP362	652246	5517699	0.1	2.2	5.2	0.7	0.2	<0.5
PM11RP363	652223	5517702	0.1	3.1	1	0.9	0.2	<0.5
PM11RP364	652199	5517701	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11RP365	652174	5517699	<0.1	1.5	1.1	0.5	0.2	<0.5
PM11RP366	652150	5517703	<0.1	1.3	0.9	0.4	0.1	<0.5
PM11RP367	652124	5517696	<0.1	2	<0.5	0.7	0.2	<0.5
PM11RP368	652099	5517697	<0.1	1.6	3.3	0.4	0.2	<0.5
PM11RP369	652075	5517695	<0.1	1.5	0.6	0.3	0.2	<0.5
PM11RP370	652050	5517700	<0.1	2.4	2.1	0.4	0.2	<0.5
PM11RP371	652023	5517698	<0.1	2.1	0.7	0.5	0.2	<0.5
PM11RP372	652000	5517697	<0.1	0.7	<0.5	0.4	0.2	<0.5
PM11RP373	651976	5517699	<0.1	0.5	2.5	0.5	0.2	<0.5
PM11RP374	651950	5517702	<0.1	2.4	0.9	0.5	0.2	0.6
PM11RP375	651918	5517696	<0.1	<0.5	<0.5	0.4	0.3	0.5
PM11RP376	651902	5517695	<0.1	3.7	<0.5	0.7	0.3	<0.5
PM11RP377	651876	5517698	<0.1	2.6	<0.5	0.6	0.3	<0.5
PM11RP378	651849	5517699	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11RP379	651825	5517700	<0.1	2.3	<0.5	0.6	0.3	<0.5
PM11RP380	651802	5517701	<0.1	3.1	<0.5	0.6	0.3	<0.5
PM11RP381	651774	5517698	<0.1	1.7	36.6	0.5	0.3	<0.5
PM11RP382	651751	5517698	<0.1	2.3	<0.5	0.6	0.3	<0.5
PM11RP383	651725	5517698	<0.1	0.6	<0.5	0.5	0.2	<0.5
PM11RP384	651702	5517694	<0.1	0.7	<0.5	0.7	0.2	<0.5
PM11RP385	651674	5517696	<0.1	1	2.3	0.7	0.2	<0.5
PM11RP386	651652	5517700	<0.1	2.1	0.6	1	0.2	<0.5
PM11RP387	651626	5517699	<0.1	0.9	<0.5	0.6	0.2	<0.5
PM11RP388	651601	5517702	<0.1	0.9	<0.5	0.6	0.2	<0.5
PM11RP389	651575	5517700	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11RP390	651552	5517698	<0.1	2.9	3.7	0.8	0.2	<0.5
PM11RP391	651521	5517700	<0.1	1.6	<0.5	0.5	0.2	<0.5
PM11RP392	651500	5517693	<0.1	1.1	<0.5	0.5	0.2	<0.5
PM11RP393	651476	5517697	<0.1	2	<0.5	0.7	0.2	<0.5
PM11RP394	651450	5517697	<0.1	1.4	<0.5	0.7	0.2	<0.5
PM11RP395	651425	5517698	<0.1	1.6	<0.5	0.7	0.2	<0.5
PM11RP396	651401	5517705	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM11RP412	653208	5517210	<0.1	2.7	<0.5	0.4	0.1	<0.5
PM11RP413	653169	5517204	0.1	5.4	<0.5	0.4	0.2	<0.5
PM11RP414	653152	5517204	<0.1	3.2	<0.5	0.5	0.2	<0.5
no sample	653126	5517202						
no sample	653103	5517206						
no sample	653075	5517200						
PM11RP415	653051	5517198	<0.1	2.7	<0.5	0.6	0.1	<0.5
PM11RP416	653027	5517197	<0.1	2.4	<0.5	0.6	0.1	<0.5

### 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
no sample	653001	5517197						
no sample	652975	5517198						
PM11RP417	652949	5517199	<0.1	2.7	<0.5	0.6	0.1	<0.5
no sample	652923	5517203						
PM11RP418	652907	5517206	<0.1	2.6	<0.5	0.7	0.1	<0.5
no sample	652874	5517199						
no sample	652853	5517195						
PM11RP419	652823	5517201	<0.1	3.1	<0.5	0.8	0.2	<0.5
PM11RP420	652799	5517201	<0.1	3	<0.5	0.6	0.2	<0.5
PM11RP421	652772	5517202	<0.1	3.3	3.7	0.6	0.2	<0.5
PM11RP422	652750	5517200	<0.1	3.8	1.1	0.7	0.2	<0.5
PM11RP423	652723	5517195	<0.1	3.4	<0.5	0.4	0.2	0.5
PM11RP424	652701	5517201	<0.1	4.1	<0.5	0.5	0.2	<0.5
PM11RP425	652672	5517201	0.1	2.7	<0.5	0.5	0.1	<0.5
no sample	652650	5517203						
no sample	652625	5517204						
PM11RP426	652600	5517199	0.3	4	<0.5	0.7	0.2	<0.5
PM11RP427	652570	5517201	0.2	3.6	<0.5	0.7	0.2	0.7
PM11RP428	652549	5517203	0.1	2.3	<0.5	0.6	0.1	<0.5
PM11RP429	652525	5517201	<0.1	2	<0.5	0.6	0.1	<0.5
PM11RP430	652500	5517207	<0.1	2.4	12.6	0.5	0.1	<0.5
PM11RP431	652473	5517206	<0.1	1.8	<0.5	0.8	0.1	<0.5
PM11RP432	652451	5517205	<0.1	2.5	<0.5	0.7	0.1	<0.5
PM11RP433	652422	5517205	<0.1	2.2	1.2	0.6	<0.1	<0.5
PM11RP434	652400	5517202	<0.1	2.6	0.8	0.4	0.1	<0.5
PM11RP435	652374	5517199	<0.1	1.7	<0.5	0.5	<0.1	<0.5
PM11RP436	652350	5517196	<0.1	2.9	0.6	0.6	0.2	<0.5
PM11RP437	652325	5517199	<0.1	2.8	2.1	0.7	0.2	<0.5
PM11RP438	652303	5517201	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11RP439	651375	5517704	<0.1	1.2	<0.5	0.4	<0.1	<0.5
PM11RP440	651349	5517700	<0.1	1	<0.5	0.3	<0.1	<0.5
PM11RP441	651325	5517698	<0.1	1.3	<0.5	0.5	0.1	<0.5
PM11RP442	651304	5517701	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11RP443	651275	5517702	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11RP444	651253	5517700	<0.1	2.2	6	0.5	0.1	<0.5
PM11RP445	651226	5517702	<0.1	1.7	<0.5	0.4	0.1	<0.5
PM11RP446	651202	5517700	<0.1	2	<0.5	0.4	0.1	<0.5
PM11RP447	651176	5517700	<0.1	1.9	0.8	0.5	0.1	<0.5
PM11RP448	651152	5517697	<0.1	0.8	<0.5	0.2	<0.1	<0.5
PM11RP449	651124	5517698	<0.1	2.5	<0.5	0.5	0.1	<0.5
PM11RP450	651100	5517698	<0.1	2.6	<0.5	0.5	0.1	<0.5
PM11RP451	651074	5517701	<0.1	2.9	0.6	0.4	0.2	<0.5
PM11RP452	651048	5517696	<0.1	3.1	1.2	0.5	0.2	<0.5
PM11RP453	651024	5517694	<0.1	2.7	<0.5	0.4	0.2	<0.5
PM11RP454	651000	5517694	<0.1	2.5	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP455			<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11RP456	650977	5517700	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11RP457	650950	5517701	<0.1	4.4	1.2	0.5	0.3	<0.5
PM11RP458	650927	5517701	<0.1	3.2	0.8	0.8	0.3	<0.5
PM11RP459	650904	5517696	<0.1	3.7	<0.5	0.6	0.2	<0.5
PM11RP460	650877	5517699	<0.1	4.9	0.6	0.7	0.3	<0.5
PM11RP461	650849	5517693	<0.1	2.7	0.5	0.6	0.2	<0.5
PM11RP462	650832	5517699	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11RP463	650800	5517701	<0.1	1.7	<0.5	0.5	<0.1	<0.5
PM11RP464	650771	5517700	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11RP465	650751	5517705	0.1	2	222.7	0.6	0.2	<0.5
PM11RP466	650725	5517697	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11RP467	650698	5517698	<0.1	2.2	5.5	0.6	0.2	<0.5
PM11RP468	653195	5518504	<0.1	2.6	0.8	0.7	0.2	<0.5
PM11RP469	653178	5518506	<0.1	2.8	28.9	0.6	0.2	<0.5
PM11RP470	653148	5518498	<0.1	3	<0.5	0.6	0.1	<0.5
PM11RP471	653123	5518501	<0.1	1.7	1	0.6	0.1	0.8
PM11RP472	653101	5518502	<0.1	1.6	1.3	0.7	0.1	0.6
PM11RP473	653080	5518496	<0.1	1.7	0.5	1.3	0.2	<0.5
PM11RP474	653050	5518497	0.1	2.6	0.9	0.8	0.1	<0.5
PM11RP475	653025	5518496	<0.1	2.3	3.9	0.9	0.2	<0.5
PM11RP476	652999	5518501	<0.1	1	1.9	0.8	0.2	<0.5
PM11RP477	652976	5518491	0.2	3.1	0.6	0.7	0.2	0.7
PM11RP478	652960	5518501	<0.1	2.9	2.8	0.8	0.3	0.9
PM11RP479	652925	5518494	<0.1	2	2.7	0.6	0.3	<0.5
PM11RP480	652904	5518492	<0.1	2.2	2.2	0.6	0.3	<0.5
PM11RP481	652874	5518505	<0.1	2.1	0.7	0.7	0.2	<0.5
PM11RP482	652850	5518505	0.5	2.9	0.5	0.8	0.3	3.3
PM11RP483	652826	5518506	0.4	4.6	1.2	0.7	0.5	3
PM11RP484	652801	5518500	<0.1	2.2	<0.5	0.6	0.2	0.5
PM11RP485	652768	5518493	<0.1	2.6	<0.5	0.7	0.2	1.1
PM11RP486	652750	5518492	<0.1	2.8	0.7	0.9	0.3	<0.5
PM11RP487	652725	5518494	<0.1	2.5	<0.5	1	0.3	<0.5
PM11RP488	652703	5518496	<0.1	2.1	<0.5	0.9	0.3	0.8
no sample	652675	5518496						
no sample	652651	5518498						
no sample	652624	5518501						
no sample	652600	5518501						
no sample	652575	5518501						
PM11RP489	652551	5518500	<0.1	2.5	<0.5	0.7	0.3	<0.5
PM11RP490	652528	5518505	<0.1	2.5	2	0.7	0.2	<0.5
no sample	652500	5518502						
no sample	652473	5518504						
PM11RP491	652448	5518496	<0.1	2.3	0.7	0.7	0.2	<0.5
PM11RP492	652426	5518497	<0.1	2	<0.5	0.8	0.2	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP493	652401	5518502	<0.1	0.8	<0.5	0.4	0.2	<0.5
PM11RP494	652383	5518500	<0.1	1.5	1.6	0.6	0.1	<0.5
PM11RP495	652350	5518501	<0.1	2.2	0.6	0.7	0.2	1.3
PM11RP496	652323	5518499	<0.1	2.5	<0.5	0.6	0.2	0.6
PM11RP497	652300	5518496	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11RP498	652275	5517197	0.3	3.3	<0.5	0.9	0.2	<0.5
PM11RP499	652252	5517202	<0.1	1.7	1.4	0.7	0.1	<0.5
PM11RP500	652220	5517197	<0.1	1.7	1.6	0.5	0.2	<0.5
PM11RP501	652201	5517197	<0.1	1.7	<0.5	0.5	0.1	<0.5
PM11RP502	652176	5517200	<0.1	4.3	2	0.7	0.3	<0.5
PM11RP503	652151	5517192	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM11RP504	652127	5517197						
PM11RP505	652099	5517205						
PM11RP506	652075	5517204	<0.1	1.5	0.8	0.4	0.2	<0.5
PM11RP507	652051	5517202	<0.1	1.1	0.7	0.5	0.2	0.6
PM11RP508	652024	5517200	<0.1	1.8	1.6	0.4	0.2	<0.5
PM11RP509	651999	5517195	<0.1	2.3	7.4	0.4	0.2	<0.5
PM11RP510	651953	5517194	0.1	2.6	<0.5	1.2	0.1	<0.5
PM11RP511	651925	5517195	<0.1	2.6	1.5	1.2	0.2	<0.5
PM11RP512	651899	5517198	<0.1	2.9	3.3	1.4	0.1	<0.5
PM11RP513	651875	5517196	<0.1	2.8	0.7	0.9	0.2	<0.5
PM11RP514	651849	5517188	<0.1	3.6	1.3	0.5	0.2	<0.5
PM11RP515	651826	5517202	<0.1	2.9	1.4	1.2	0.2	<0.5
PM11RP516	651801	5517199	<0.1	1.7	0.9	0.7	0.1	<0.5
PM11RP517	651777	5517197	<0.1	1.6	<0.5	0.7	0.1	<0.5
PM11RP518	651755	5517204	<0.1	1.7	2.5	0.5	0.1	<0.5
PM11RP519	651725	5517207	<0.1	1.7	1.3	0.5	0.1	<0.5
PM11RP520	651702	5517203	0.1	2.5	1.9	0.7	0.2	<0.5
PM11RP521	651675	5517199	0.3	4.5	0.8	1.2	0.2	0.7
no sample	651650	5517192						
PM11RP522	651626	5517199	<0.1	3.4	1.4	1.8	0.2	<0.5
PM11RP523	651601	5517201	<0.1	2.1	4.6	0.5	0.2	<0.5
PM11RP524	651575	5517191	<0.1	1.7	1.5	0.4	0.1	<0.5
PM11RP525	651549	5517205	<0.1	1.6	29.7	0.5	0.1	<0.5
PM11RP526	651525	5517201	<0.1	2.2	1.7	0.6	0.2	<0.5
PM11RP527	651499	5517200	<0.1	3.9	0.6	0.8	0.2	<0.5
PM11RP528	651475	5517197	<0.1	3.3	1.1	0.8	0.2	<0.5
PM11RP529	651453	5517199	<0.1	3.5	1.4	1.7	0.3	<0.5
PM11RP530	651428	5517201	<0.1	2.3	2	1	0.2	<0.5
PM11RP531	651398	5517200	<0.1	4.5	0.6	1.1	0.3	<0.5
PM11RP532	651376	5517200	<0.1	3.3	0.8	0.7	0.2	<0.5
PM11RP533	651352	5517207	<0.1	2.6	1.4	1.5	0.2	<0.5
PM11RP534	651326	5517195	<0.1	2.4	0.8	0.8	0.3	<0.5
PM11RP535	651299	5517196	<0.1	2	1	0.8	0.2	<0.5
PM11RP536	651276	5517197	<0.1	3.4	<0.5	0.7	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP537	651251	5517195	0.2	2.4	0.6	0.6	0.1	<0.5
PM11RP538	651224	5517195	<0.1	2.5	<0.5	0.8	0.2	<0.5
PM11RP539	651204	5517193	0.1	3.1	8.9	0.8	0.2	<0.5
PM11RP540	651173	5517199	<0.1	2.3	<0.5	0.5	0.2	<0.5
PM11RP541	651151	5517199	<0.1	1.8	<0.5	0.5	0.1	<0.5
PM11RP542	651123	5517191	<0.1	1.8	0.6	0.6	0.2	<0.5
PM11RP543	651103	5517200	<0.1	2.3	1	0.5	0.1	<0.5
PM11RP544	651079	5517204	<0.1	2.6	7.4	0.6	0.2	<0.5
PM11RP545	651053	5517199	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11RP546	651028	5517194	0.1	2.5	<0.5	0.5	0.2	<0.5
PM11RP547	651003	5517198	0.1	2.4	2.2	0.5	0.2	<0.5
PM11RP548	650974	5517196	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM11RP549	650950	5517197	0.1	2.6	12.6	0.6	0.2	<0.5
PM11RP550	650925	5517197	<0.1	2.8	<0.5	0.8	0.2	<0.5
PM11RP551	650903	5517196	<0.1	3.1	<0.5	0.8	0.3	<0.5
PM11RP552	650875	5517194	<0.1	3.1	2.8	0.7	0.2	<0.5
PM11RP553	650854	5517193	0.1	3.1	0.6	0.8	0.2	<0.5
PM11RP554	650825	5517194	0.1	2.8	<0.5	0.8	0.3	<0.5
PM11RP555	650804	5517199	0.1	4.3	<0.5	0.9	0.2	<0.5
PM11RP556	650776	5517205	<0.1	4.3	0.9	0.9	0.2	<0.5
PM11RP557	650753	5517204	0.1	3.9	0.5	0.9	0.2	<0.5
PM11RP558	650721	5517204	0.2	3.9	1.5	0.9	0.1	<0.5
PM11RP559	650703	5517198	0.1	4.5	1.4	0.8	0.2	0.7
PM11RP560	651374	5517602	<0.1	2.3	1.1	0.6	0.1	<0.5
PM11RP561	651352	5517597	<0.1	2.1	0.8	0.6	0.1	<0.5
PM11RP562	651236	5517596	<0.1	1.7	<0.5	0.6	0.1	<0.5
PM11RP563	651299	5517595	<0.1	2	<0.5	0.6	0.1	<0.5
PM11RP564	651271	5517595	<0.1	2.3	0.8	0.5	0.1	<0.5
PM11RP565	651249	5517597	<0.1	2.1	<0.5	0.5	0.1	<0.5
PM11RP566	651228	5517596	<0.1	2	0.8	0.4	0.1	<0.5
PM11RP567	651201	5517600	<0.1	2	0.6	0.5	0.1	<0.5
PM11RP568	651175	5517602	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11RP569	651151	5517603	<0.1	3	1	0.5	0.1	<0.5
PM11RP570	651127	5517600	<0.1	2.9	0.6	0.4	0.2	<0.5
PM11RP571	651098	5517594	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11RP572	651075	5517599	<0.1	2.3	2	0.5	0.1	<0.5
PM11RP573	651053	5517596	<0.1	3	6.9	0.4	0.1	<0.5
PM11RP574	651026	5517597	<0.1	2.4	1.4	0.5	0.1	<0.5
PM11RP575	650999	5517595	<0.1	3.5	3.5	0.6	0.2	<0.5
PM11RP576	650976	5517599	<0.1	3	1.7	0.5	0.1	<0.5
PM11RP577	650946	5517584	<0.1	3	0.8	0.6	0.1	<0.5
PM11RP578	650913	5517597	<0.1	4	2	0.5	0.2	<0.5
PM11RP579	650900	5517599	<0.1	4	2.8	0.7	0.2	1.4
PM11RP580	650877	5517595	<0.1	4.1	2.2	0.9	0.2	<0.5
PM11RP581	650850	5517597	<0.1	3.1	0.7	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11RP582	650819	5517593	<0.1	2.7	0.8	0.6	0.1	<0.5
PM11RP583	650804	5517597	<0.1	2.9	2	0.6	0.2	<0.5
PM11RP584	650770	5517604	<0.1	2.8	1.8	0.5	0.1	0.5
PM11RP585	650753	5517600	<0.1	2.9	2.5	0.6	0.1	<0.5
PM11RP586	650724	5517601	<0.1	2.9	<0.5	0.4	0.2	<0.5
PM11RP587	650701	5517597	<0.1	0.9	<0.5	0.5	<0.1	<0.5
PM11MP001	653201	5519002	<0.1	2.9	<0.5	0.4	0.2	<0.5
PM11MP002	653168	5518992	<0.1	1.3	<0.5	0.6	0.1	<0.5
PM11MP003	653151	5518997	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MP004	653120	5519009	0.3	1.8	<0.5	0.6	0.1	<0.5
PM11MP005	653089	5519009	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MP006	653069	5519005	0.1	2.1	1.4	0.8	0.2	<0.5
PM11MP007	653047	5518997	0.1	2.1	0.5	0.7	0.1	<0.5
PM11MP008	653031	5519010	0.1	2.3	33.8	0.5	0.1	<0.5
PM11MP009	653003	5519004	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11MP010	652963	5518996	<0.1	1.7	0.7	0.4	0.1	<0.5
PM11MP011	652951	5519004	<0.1	1	<0.5	0.4	0.2	<0.5
PM11MP012	652924	5518997	<0.1	1.5	1.4	0.7	0.1	<0.5
PM11MP013	652899	5518993	0.1	2.9	0.8	0.6	0.2	<0.5
PM11MP014	652877	5519004	<0.1	1.6	<0.5	0.6	0.2	<0.5
PM11MP015	652454	5519294	<0.1	2.3	<0.5	0.3	0.1	<0.5
PM11MP016	652471	5519310	0.4	3.8	2.1	0.6	0.3	<0.5
PM11MP017	652489	5519306	<0.1	1.9	0.6	0.6	0.1	<0.5
PM11MP018	652523	5519290	<0.1	2.3	<0.5	0.5	0.1	<0.5
PM11MP019	652554	5519298	<0.1	1.7	<0.5	1.2	0.2	<0.5
PM11MP020	652581	5519300	<0.1	2.5	<0.5	0.5	0.1	<0.5
PM11MP021	652590	5519301	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11MP022	652628	5519308	<0.1	1.7	<0.5	0.3	<0.1	<0.5
PM11MP023	652656	5519324	<0.1	2.6	7.7	0.4	0.2	<0.5
PM11MP024	652686	5519309	<0.1	2.7	<0.5	0.4	0.2	<0.5
PM11MP025	652702	5519298	0.1	4.3	1.3	0.3	0.1	<0.5
PM11MP026	652722	5519301	0.1	2.6	1.9	0.5	0.2	<0.5
PM11MP027	652751	5519302	0.1	2.3	0.6	0.6	0.1	<0.5
PM11MP028	652789	5519322	0.2	2.2	2.8	0.5	0.2	<0.5
PM11MP029	652807	5519316	0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MP030	652824	5519311	<0.1	3.4	4.1	0.7	0.2	<0.5
PM11MP031	652849	5519305	0.2	2.5	1.6	0.7	0.2	0.5
PM11MP032	652874	5519299	<0.1	3	0.8	0.6	0.2	<0.5
PM11MP033	652893	5519291	<0.1	1.4	1.1	0.4	0.1	0.6
PM11MP034	652924	5519295	<0.1	1.8	<0.5	0.5	0.2	<0.5
PM11MP035	652952	5519302	<0.1	1.7	<0.5	0.6	0.1	<0.5
PM11MP036	652969	5519300	<0.1	2.2	2.9	0.5	0.2	<0.5
PM11MP037	652998	5519298	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11MP038	653028	5519304	<0.1	3.1	2.4	0.8	0.3	<0.5
PM11MP039	653050	5519304	<0.1	3.8	0.6	0.8	0.4	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP040	653066	5519306	<0.1	1.9	11.7	0.6	0.2	<0.5
PM11MP041	653080	5519302	<0.1	1.9	0.6	0.8	0.2	0.6
PM11MP042	653128	5519303	<0.1	2.1	0.7	0.8	<0.1	<0.5
PM11MP043	653172	5519294	<0.1	2.3	<0.5	0.7	0.2	<0.5
PM11MP044	653194	5519299	<0.1	3.2	<0.5	2.2	0.2	<0.5
PM11MP045	652414	5519300	0.2	2.8	<0.5	2.1	0.2	<0.5
PM11MP046	652414	5519299	0.1	2.1	9.9	0.6	0.2	<0.5
PM11MP047	652391	5519307	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM11MP048	652376	5519304	<0.1	2.5	0.6	0.7	0.2	<0.5
PM11MP049	652348	5519309	<0.1	2.6	0.9	0.4	0.2	0.5
PM11MP050	652326	5519301	0.2	2.5	<0.5	1	0.3	<0.5
PM11MP051	652299	5519290	<0.1	4.2	11.5	0.9	0.4	<0.5
PM11MP052	652267	5519305	<0.1	2.6	0.8	0.7	0.2	<0.5
PM11MP053	652242	5519308	<0.1	2.9	1.9	0.6	0.2	<0.5
PM11MP054	652199	5519314	0.1	2.9	<0.5	0.7	0.3	<0.5
PM11MP055	652171	5519309	0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MP056	652171	5519308	<0.1	1.4	2.4	0.5	0.2	<0.5
PM11MP057	652154	5519302	<0.1	0.8	1	0.6	0.1	<0.5
PM11MP058	652119	5519296	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11MP059	652101	5519297	<0.1	2.7	1.1	0.7	0.3	<0.5
PM11MP060	652074	5519294	<0.1	1.6	3.7	0.5	0.2	<0.5
PM11MP061	652048	5519297	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11MP062	652034	5519296	<0.1	3	3.2	0.7	0.3	<0.5
PM11MP063	652005	5519304	<0.1	2	<0.5	0.5	0.1	<0.5
PM11MP064	651974	5519303	0.2	0.8	<0.5	0.5	0.2	<0.5
PM11MP065	651950	5519305	<0.1	2.1	1.3	0.7	0.2	0.5
PM11MP066	651925	5519294	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM11MP067	651900	5519297	0.1	2.3	1.5	0.6	0.2	<0.5
PM11MP068	651875	5519302	0.1	3.2	1.4	0.7	0.2	<0.5
PM11MP069	651848	5519303	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11MP070	651826	5519303	<0.1	1.5	<0.5	0.6	0.1	<0.5
PM11MP071	651806	5519305	<0.1	1.7	1.6	0.4	0.2	<0.5
PM11MP072	651785	5519305	<0.1	3.2	<0.5	0.6	0.2	<0.5
PM11MP073	651764	5519306	<0.1	2.1	1.2	0.6	0.1	<0.5
PM11MP074	651725	5519300	<0.1	2.2	2.3	0.6	0.2	<0.5
PM11MP075	651692	5519305	<0.1	2	1.6	0.6	0.2	<0.5
PM11MP076	651667	5519300	<0.1	1.4	3.7	0.6	0.2	<0.5
PM11MP077	651650	5519315	<0.1	1.2	<0.5	0.3	0.1	<0.5
PM11MP078	651622	5519305	<0.1	1.8	<0.5	0.9	0.2	<0.5
PM11MP079	651601	5519290	<0.1	1.3	35.2	0.3	0.1	<0.5
PM11MP080	651580	5519301	<0.1	1.4	0.7	0.4	0.2	<0.5
PM11MP081	651553	5519307	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MP082	651528	5519301	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MP083	651511	5519313	<0.1	1.4	0.6	0.3	0.2	<0.5
PM11MP084	651469	5519308	<0.1	2.1	<0.5	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP085	651451	5519307	<0.1	1.4	10.5	0.4	0.2	<0.5
PM11MP086	651417	5519299	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MP087	651396	5519296	<0.1	1.6	<0.5	0.5	0.1	<0.5
PM11MP088	651370	5519297	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11MP089	651351	5519301	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MP090	651323	5519303	<0.1	1.3	3.6	0.5	0.1	<0.5
PM11MP091	651294	5519305	<0.1	1.8	<0.5	0.4	0.1	<0.5
PM11MP092	651274	5519296	<0.1	3.6	18.9	0.5	0.3	<0.5
PM11MP093	651258	5519302	<0.1	1.6	<0.5	0.6	0.2	<0.5
PM11MP094	651239	5519296	<0.1	2.6	<0.5	0.6	0.2	<0.5
PM11MP095	651221	5519298	<0.1	2.9	<0.5	0.5	0.2	<0.5
PM11MP096	651199	5519291	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11MP097	651181	5519289	<0.1	2.8	1.1	0.6	0.3	<0.5
PM11MP098	651165	5519309	0.1	2.4	0.7	0.5	0.2	<0.5
PM11MP099	651122	5519289	<0.1	5.6	1.3	0.6	0.3	<0.5
PM11MP100	651098	5519320	<0.1	3.1	0.9	0.2	0.3	<0.5
PM11MP101	651068	5519313	<0.1	1.7	<0.5	0.5	0.1	<0.5
PM11MP102	651045	5519313	<0.1	2.1	2.3	0.6	0.2	<0.5
PM11MP103	651028	5519307	<0.1	2.6	0.8	0.5	0.1	<0.5
PM11MP104	650992	5519294	<0.1	2.8	<0.5	0.5	0.2	<0.5
PM11MP105	650939	5519295	<0.1	2.7	1	0.7	0.2	<0.5
PM11MP106	652301	5519705	<0.1	3.4	<0.5	0.6	0.1	<0.5
PM11MP107	652325	5519702	<0.1	2.8	3.5	0.7	0.2	<0.5
PM11MP108	652348	5519701	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM11MP109	652372	5519702	<0.1	1.5	2.5	0.6	0.2	<0.5
PM11MP110	652406	5519691	0.1	2.6	69.7	0.5	0.1	<0.5
PM11MP111	652430	5519694	<0.1	5.4	16	1	0.4	<0.5
PM11MP112	652459	5519705	<0.1	7.2	8.7	0.9	0.4	<0.5
PM11MP113	652490	5519696	<0.1	2	<0.5	0.6	0.1	<0.5
PM11MP114	652501	5519696	<0.1	1.2	0.8	0.4	0.1	<0.5
PM11MP115	652521	5519692	<0.1	1.4	1.2	0.5	0.2	<0.5
PM11MP116	652545	5519696	0.1	2.3	0.7	0.4	0.2	<0.5
PM11MP117	652572	5519696	0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MP118	652607	5519693	0.1	6.7	3.6	0.9	0.4	<0.5
PM11MP119	652634	5519698	<0.1	4.4	<0.5	1	0.3	<0.5
PM11MP120	652658	5519705	<0.1	2.9	<0.5	0.4	0.4	<0.5
PM11MP121	652680	5519702	<0.1	3.3	<0.5	0.6	0.2	<0.5
PM11MP122	652709	5519698	0.1	1.7	<0.5	0.3	0.2	<0.5
PM11MP123	652734	5519697	<0.1	3.3	<0.5	0.6	0.2	<0.5
PM11MP124	652756	5519691	<0.1	2.3	<0.5	0.5	0.2	<0.5
PM11MP125	652778	5519698	<0.1	2.4	<0.5	0.5	0.1	<0.5
PM11MP126	652796	5519697	<0.1	1.8	0.7	0.3	<0.1	<0.5
PM11MP127	652825	5519699	<0.1	1.8	<0.5	0.6	0.2	<0.5
PM11MP128	652856	5519703	<0.1	4	4.2	0.9	0.3	<0.5
PM11MP129	652870	5519693	<0.1	2.5	<0.5	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP130	652895	5519706	<0.1	1.5	0.9	0.3	0.1	<0.5
PM11MP131	652926	5519692	<0.1	2.8	3.9	0.6	0.2	<0.5
PM11MP132	652955	5519696	<0.1	1.9	0.6	0.5	0.2	<0.5
PM11MP133	652977	5529690	<0.1	1.5	0.9	0.3	0.1	<0.5
PM11MP134	653002	5519699	<0.1	2.8	3.9	0.6	0.2	<0.5
PM11MP135	653020	5519701	<0.1	1.9	0.6	0.5	0.2	<0.5
PM11MP136	653033	5519707	<0.1	0.9	6.8	0.5	0.2	0.6
PM11MP137	653075	5519697	<0.1	2.9	<0.5	0.7	0.2	<0.5
PM11MP138	652271	5519692	0.1	3.1	<0.5	0.7	0.2	<0.5
PM11MP139	652237	5519708	0.2	8.6	3.7	0.8	0.4	1.3
PM11MP140	652207	5519711	0.4	10.9	2	0.9	0.4	1.9
PM11MP141	652185	5519704	<0.1	4.3	<0.5	1	0.2	<0.5
PM11MP142	652159	5519700	0.1	5.3	<0.5	0.5	0.1	<0.5
PM11MP143	652147	5519698	<0.1	4.5	<0.5	0.5	0.2	0.6
PM11MP144	652123	5519689	<0.1	4.6	<0.5	0.4	0.1	<0.5
PM11MP145	652108	5519708	<0.1	2.8	<0.5	0.4	0.1	<0.5
PM11MP146	652092	5519710	<0.1	1.8	<0.5	0.9	0.2	<0.5
PM11MP147	652052	5519701	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MP148	652017	5519705	<0.1	6.7	<0.5	0.7	0.2	<0.5
PM11MP149	651999	5519703	<0.1	44.3	<0.5	1.2	0.6	<0.5
PM11MP150	651975	5519705	<0.1	5.2	12.9	0.9	0.2	<0.5
PM11MP151	651949	5519702	<0.1	5.4	19.3	0.5	0.2	0.6
PM11MP152	651925	5519702	<0.1	3.7	<0.5	0.6	0.2	<0.5
PM11MP153	651902	5519701	<0.1	6.7	<0.5	0.5	0.2	<0.5
PM11MP154	651877	5519701	<0.1	12.7	<0.5	0.6	0.4	<0.5
PM11MP155	651839	5519702	<0.1	3.3	<0.5	0.8	0.2	<0.5
PM11MP156	651823	5519698	0.1	2.9	0.6	0.7	0.3	<0.5
PM11MP157	651794	5519707	<0.1	1.4	2.6	0.6	0.2	<0.5
PM11MP158	651772	5519708	<0.1	1.9	3.8	0.5	0.1	<0.5
PM11MP159	651745	5519698	0.1	4	<0.5	0.9	0.2	<0.5
PM11MP160	651729	5519700	<0.1	1.3	<0.5	0.7	0.1	<0.5
PM11MP161	651698	5519700	<0.1	1.6	1.6	0.5	0.2	<0.5
PM11MP162	651671	5519696	<0.1	2.2	23.3	0.7	0.2	<0.5
PM11MP163	651641	5519705	<0.1	1.7	1.2	1	0.2	<0.5
PM11MP164	651630	5519694	<0.1	0.9	0.6	0.7	0.2	<0.5
PM11MP165	651605	5519701	<0.1	1.6	0.7	0.5	0.2	<0.5
PM11MP166	651564	5519687	<0.1	1.4	<0.5	0.5	0.2	<0.5
PM11MP167	651539	5519713	<0.1	1.2	2.7	0.5	0.1	<0.5
PM11MP168	651519	5519713	<0.1	1.3	<0.5	0.6	0.2	<0.5
PM11MP169	651498	5519714	<0.1	1.3	<0.5	0.5	0.1	<0.5
PM11MP170	651479	5519711	<0.1	1.6	<0.5	0.5	0.2	<0.5
PM11MP171	651450	5519702	<0.1	0.6	<0.5	0.4	0.2	<0.5
PM11MP172	651435	5519701	<0.1	1.3	<0.5	0.4	<0.1	<0.5
PM11MP173	651398	5519701	<0.1	1.9	<0.5	0.4	0.1	<0.5
PM11MP174	651380	5519704	<0.1	0.8	<0.5	0.3	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP175	651348	5519702	<0.1	9.3	<0.5	0.6	0.3	<0.5
PM11MP176	651322	5519701	<0.1	1.5	3.1	0.6	0.1	<0.5
PM11MP177	651290	5519707	<0.1	1.4	<0.5	0.5	0.2	<0.5
PM11MP178	651261	5519700	<0.1	0.8	<0.5	0.5	0.2	<0.5
PM11MP179	651248	5519699	<0.1	2.2	<0.5	0.4	0.1	<0.5
PM11MP180	651225	5519705	<0.1	1.1	<0.5	0.5	0.1	<0.5
PM11MP181	651194	5519708	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11MP182	651163	5519711	<0.1	0.9	<0.5	0.4	0.2	<0.5
PM11MP183	651153	5519707	<0.1	<0.5	1.7	0.3	0.2	<0.5
PM11MP184	651126	5519709	<0.1	2.1	<0.5	0.3	0.2	<0.5
PM11MP185	651105	5519712	<0.1	3.1	<0.5	0.6	0.3	1.1
PM11MP186	651096	5519711	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11MP187	651089	5519701	<0.1	3.2	<0.5	0.5	0.5	<0.5
PM11MP188	651044	5519674	<0.1	1.8	<0.5	0.3	<0.1	<0.5
PM11MP189	651030	5519671	<0.1	1.6	<0.5	0.4	0.1	0.6
PM11MP190	650991	5519701	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM11MP191	650965	5519705	0.1	1.4	<0.5	0.5	0.1	0.5
PM11MP192	650942	5519708	<0.1	1.5	<0.5	0.8	0.2	<0.5
PM11MP193	650925	5519706	<0.1	1.2	<0.5	0.5	0.2	0.7
PM11MP194	650900	5519706	<0.1	2.1	3.7	0.5	0.2	0.6
PM11MP195	650866	5519703	<0.1	1.6	<0.5	0.5	0.2	0.8
PM11MP196	650838	5519702	<0.1	1.1	<0.5	0.5	0.2	<0.5
PM11MP197	650819	5519707	<0.1	1.3	<0.5	0.6	0.2	<0.5
PM11MP198	650799	5519701	<0.1	1.3	<0.5	0.6	0.2	<0.5
PM11MP199	650776	5519713	<0.1	2.8	<0.5	0.9	0.1	0.9
PM11MP200	650754	5519710	<0.1	1.6	<0.5	0.7	0.2	0.6
PM11MP201	650738	5519707	<0.1	2.8	<0.5	0.5	0.2	<0.5
PM11MP202	650714	5519709	<0.1	<0.5	<0.5	0.5	0.2	<0.5
PM11MP203	650697	5519817	<0.1	1.7	<0.5	0.7	0.2	<0.5
PM11MP204	650728	5519824	<0.1	2.2	1	0.6	0.1	<0.5
PM11MP205	650763	5519805	<0.1	1.2	0.7	0.5	0.1	<0.5
PM11MP206	650788	5519809	0.1	1.8	2	0.4	0.2	<0.5
PM11MP207	650809	5519810	<0.1	2.9	<0.5	0.5	<0.1	<0.5
PM11MP208	650825	5519803	<0.1	2	<0.5	0.4	0.2	<0.5
PM11MP209	650859	5519802	0.1	2.4	<0.5	0.5	0.1	<0.5
PM11MP210	653202	5518408	<0.1	1.5	<0.5	0.5	0.1	<0.5
PM11MP211	653180	5518407	<0.1	2.1	0.8	0.5	0.1	<0.5
PM11MP212	653148	5518403	<0.1	1.8	<0.5	0.6	0.1	<0.5
PM11MP213	653110	5518405	<0.1	1.2	0.9	0.6	0.1	<0.5
PM11MP214	653095	5518400	<0.1	1.8	1.2	0.6	0.2	<0.5
PM11MP215	653067	5518404	<0.1	2.4	6	0.6	0.2	<0.5
PM11MP216	653055	5518403	<0.1	2.2	1	0.5	0.2	<0.5
PM11MP217	653026	5518404	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MP218	652993	5518399	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MP219	652964	5518400	<0.1	2.3	<0.5	0.6	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP220	652942	5518391	0.5	4.3	2	0.8	0.3	0.6
PM11MP221	652911	5518403	<0.1	2.6	<0.5	0.7	0.2	<0.5
PM11MP222	652895	5518403	<0.1	2	0.8	0.4	0.1	<0.5
PM11MP223	652873	5518405	<0.1	2.3	1.7	0.5	0.1	<0.5
PM11MP224	652850	5518406	<0.1	3.9	22.9	0.7	0.4	<0.5
PM11MP225	652827	5518404	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM11MP226	652800	5518392	0.1	2.2	1	0.7	0.2	<0.5
PM11MP227	652768	5518395	<0.1	5.5	<0.5	0.9	0.3	<0.5
PM11MP228	652735	5518399	<0.1	2.2	1	0.6	0.2	<0.5
PM11MP229	652730	5518392	<0.1	2	<0.5	0.6	0.3	<0.5
PM11MP230	652701	5518405	0.1	2.8	<0.5	0.9	0.3	<0.5
PM11MP231	652681	5518411	<0.1	1.8	<0.5	0.7	0.3	<0.5
PM11MP232	652660	5518407	0.2	3.1	1.3	0.6	0.2	0.6
PM11MP233	652621	5518409	0.1	2.8	<0.5	0.6	0.2	<0.5
PM11MP234	652583	5518408	<0.1	2	<0.5	0.5	0.1	<0.5
PM11MP235	652569	5518412	<0.1	2.4	0.8	0.7	0.2	<0.5
PM11MP236	652539	5518407	<0.1	2.7	0.6	0.7	0.2	<0.5
PM11MP237	652520	5518400	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11MP238	652489	5518404	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MP239	652456	5518405	<0.1	3.8	<0.5	0.9	0.4	<0.5
PM11MP240	652439	5518405	<0.1	2	2.6	0.7	0.2	<0.5
PM11MP241	652424	5518397	<0.1	2	1.7	0.7	0.1	<0.5
PM11MP242	652395	5518402	<0.1	1.9	1.3	0.7	0.2	<0.5
PM11MP243	652376	5518396	<0.1	2.9	14.2	0.7	0.2	<0.5
PM11MP244	652357	5518400	<0.1	2.5	1.3	0.7	0.3	0.8
PM11MP245	652334	5518396	<0.1	2.6	2.5	1.2	0.3	<0.5
PM11MP246	652299	5518396	<0.1	2.5	1.7	0.7	0.2	<0.5
PM11MP247	652255	5518396	<0.1	2	2	1	0.2	<0.5
no sample	652240	5518399						
PM11MP249	652218	5518413	<0.1	2.4	3.9	1.1	0.2	<0.5
PM11MP250	652197	5518408	0.1	3.2	2.1	0.9	0.2	<0.5
PM11MP251	652162	5518413	<0.1	2.2	1.8	1.3	0.2	<0.5
PM11MP252	652131	5518400	<0.1	2	1.7	0.4	0.3	<0.5
PM11MP253	652121	5518396	0.3	4	3.5	0.8	0.3	0.6
PM11MP254	652084	5518406	0.1	2.2	2.6	0.5	0.3	<0.5
PM11MP255	652270	5518094	0.1	2.4	2	0.4	0.2	<0.5
PM11MP256	652243	5518099	<0.1	3	1.5	0.8	0.2	<0.5
PM11MP257	652217	5518101	<0.1	2.6	0.7	0.6	0.2	<0.5
PM11MP258	652196	5518096	<0.1	2.9	1	0.7	0.2	<0.5
PM11MP259	652171	5518086	<0.1	1.8	1.3	0.5	0.1	<0.5
PM11MP260	652156	5518094	<0.1	2.7	<0.5	0.5	0.2	<0.5
PM11MP261	652130	5518094	<0.1	2.5	1	0.5	0.1	<0.5
PM11MP262	652098	5518105	<0.1	2.1	2.9	0.7	0.2	<0.5
PM11MP263	652064	5518106	<0.1	2.1	1.4	0.7	0.2	<0.5
PM11MP264	652039	5518102	<0.1	2.6	0.7	0.6	0.2	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP265	652023	5518102	0.1	2.1	0.8	0.6	0.2	<0.5
PM11MP266	651987	5518101	0.3	2.8	1.8	0.5	0.2	0.6
PM11MP267	651961	5518092	0.5	4.6	<0.5	0.8	0.3	<0.5
PM11MP268	651947	5518098	0.5	4.3	2.1	0.9	0.2	<0.5
PM11MP269	651920	5518093	0.1	3.3	1.4	0.8	0.2	0.6
PM11MP270	651903	5518102	0.1	2.2	0.6	0.7	0.2	<0.5
PM11MP271	651881	5518102	<0.1	3.9	8.7	0.7	0.3	<0.5
PM11MP272	651847	5518101	0.1	2.2	1.9	0.8	0.3	<0.5
PM11MP273	651816	5518104	<0.1	3.1	0.9	1	0.2	<0.5
PM11MP274	651803	5518101	<0.1	2.3	<0.5	0.9	0.2	<0.5
PM11MP275	651775	5518100	<0.1	1.7	6.4	0.6	0.2	<0.5
PM11MP276	651750	5518098	0.1	2	<0.5	0.8	0.2	<0.5
PM11MP277	651724	5518098	<0.1	2.2	1.8	0.9	0.2	<0.5
PM11MP278	651673	5518095	0.1	2.3	<0.5	0.8	0.3	<0.5
PM11MP279	651672	5518095	<0.1	2.3	<0.5	1	0.2	<0.5
PM11MP280	651647	5518099	<0.1	2.4	0.6	0.8	0.2	<0.5
PM11MP281	651621	5518099	<0.1	1.1	<0.5	0.4	0.1	<0.5
PM11MP282	651599	5518098	<0.1	2.7	2.7	0.8	0.2	<0.5
PM11MP283	651553	5518102	<0.1	2.5	2.2	0.9	0.2	<0.5
PM11MP284	651553	5518102	<0.1	2.3	<0.5	0.6	0.3	<0.5
PM11MP285	651533	5518098	<0.1	2.9	0.8	0.7	0.3	<0.5
PM11MP286	651507	5518103	<0.1	2.3	<0.5	0.5	0.2	<0.5
PM11MP287	651479	5518095	<0.1	1.4	<0.5	0.5	0.2	<0.5
PM11MP288	651455	5518090	<0.1	1.4	<0.5	0.4	0.2	<0.5
PM11MP289	651428	5518099	0.1	1.1	<0.5	0.5	0.1	<0.5
PM11MP290	651414	5518098	<0.1	2	<0.5	0.5	0.2	<0.5
PM11MP291	651385	5518097	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM11MP292	651351	5518100	<0.1	2	<0.5	0.6	0.2	<0.5
PM11MP293	651314	5518100	<0.1	1.9	<0.5	0.7	0.1	<0.5
PM11MP294	651293	5518090	<0.1	3	0.6	0.6	0.3	<0.5
PM11MP295	651282	5518085	<0.1	2	0.6	0.6	0.2	<0.5
PM11MP296	651264	5518094	<0.1	1.7	1	0.8	0.2	<0.5
PM11MP297	651242	5518116	<0.1	2.4	<0.5	1	0.2	<0.5
PM11MP298	651199	5518098	0.2	3.1	<0.5	0.6	0.3	<0.5
PM11MP299	651174	5518110	0.2	4	1.1	0.7	0.3	<0.5
PM11MP300	651146	5518102	<0.1	1.6	<0.5	0.5	0.2	<0.5
PM11MP301	651122	5518103	<0.1	2.5	0.7	0.5	0.2	<0.5
PM11MP302	651102	5518104	<0.1	2.3	1	0.5	0.2	<0.5
PM11MP303	651082	5518098	<0.1	3	2.1	0.7	0.2	<0.5
PM11MP304	651059	5518103	<0.1	2.1	0.6	0.5	0.2	<0.5
PM11MP305	651029	5518097	<0.1	2.8	9.1	0.9	0.3	<0.5
PM11MP306	650997	5518103	<0.1	3.5	4.3	0.8	0.3	<0.5
PM11MP307	650972	5518105	<0.1	3.2	0.6	0.6	0.1	<0.5
PM11MP308	650951	5518110	0.1	3.6	<0.5	0.6	0.2	<0.5
PM11MP309	650924	5518099	0.2	2.9	<0.5	0.7	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP310	650881	5518103	0.3	5.1	<0.5	0.5	0.3	0.8
PM11MP311	650872	5518103	<0.1	3.7	<0.5	0.5	0.2	<0.5
PM11MP312	650830	5518098	<0.1	4.9	<0.5	0.6	0.3	<0.5
PM11MP313	650824	5518104	<0.1	4.8	<0.5	1.2	0.4	<0.5
PM11MP314	650800	5518109	<0.1	3.3	<0.5	0.7	0.2	<0.5
PM11MP315	650778	5518112	<0.1	3.1	0.5	0.6	0.3	<0.5
PM11MP316	650746	5518107	0.1	2.2	<0.5	0.6	0.1	<0.5
PM11MP317	650722	5518112	<0.1	2.2	2	0.7	0.2	<0.5
PM11MP318	650700	5518100	<0.1	2.4	2.2	1.3	0.2	<0.5
PM11MP319	652300	5517600	0.2	1.3	1	0.4	<0.1	<0.5
PM11MP320	652324	5517599	<0.1	1.6	4.8	0.6	0.1	<0.5
PM11MP321	652359	5517599	0.1	1.3	<0.5	0.5	<0.1	<0.5
PM11MP322	652379	5517599	<0.1	1.3	1.1	0.3	<0.1	<0.5
PM11MP323	652404	5517597	<0.1	2	0.5	0.5	0.1	<0.5
PM11MP324	652429	5517596	<0.1	2	1.5	0.5	0.1	<0.5
PM11MP325	652453	5517588	<0.1	1.3	<0.5	0.5	0.1	<0.5
PM11MP326	652473	5517592	<0.1	1	<0.5	0.3	<0.1	<0.5
PM11MP327	652503	5517603	<0.1	1.4	<0.5	0.3	<0.1	<0.5
PM11MP328	652528	5517606	<0.1	1.2	1	0.5	<0.1	<0.5
PM11MP329	652556	5517600	<0.1	1.9	1.1	0.8	0.1	<0.5
PM11MP330	652576	5517599	<0.1	0.9	<0.5	0.6	<0.1	<0.5
PM11MP331	652598	5517602	<0.1	1.4	<0.5	0.4	<0.1	0.6
PM11MP332	652622	5517598	0.1	2.3	<0.5	0.5	0.2	<0.5
PM11MP333	652650	5517601	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11MP334	652680	5517602	<0.1	1.3	<0.5	0.6	0.1	<0.5
PM11MP335	652706	5517596	<0.1	2.6	<0.5	1.3	0.2	<0.5
PM11MP336	652725	5517594	<0.1	2.5	<0.5	1.4	0.2	<0.5
PM11MP337	652759	5517593	<0.1	1.1	<0.5	0.7	0.1	<0.5
PM11MP338	652775	5517588	<0.1	3	<0.5	0.6	0.2	<0.5
PM11MP339	652801	5517597	<0.1	1.9	<0.5	0.8	0.2	<0.5
PM11MP340	652825	5517594	0.2	2.9	<0.5	1.3	0.2	<0.5
PM11MP341	652846	5517593	0.2	3.3	<0.5	1.3	0.2	<0.5
PM11MP342	652879	5517591	0.3	5.4	<0.5	3	0.2	0.6
PM11MP343	652900	5517590	<0.1	3.2	<0.5	0.7	0.2	<0.5
PM11MP344	652922	5517597	0.1	2.8	<0.5	0.8	0.2	<0.5
PM11MP345	652970	5517595	0.2	2.8	<0.5	1.4	0.2	0.6
PM11MP346	652984	5517594	0.2	2.1	<0.5	0.8	0.1	<0.5
PM11MP347	652997	5517601	0.2	2.1	<0.5	0.5	0.3	<0.5
PM11MP348	652995	5517602	0.4	3.3	6.5	0.8	0.3	<0.5
PM11MP349	653014	5517591	<0.1	2.4	<0.5	0.3	<0.1	<0.5
PM11MP350	653057	5517575	0.1	1.2	<0.5	0.6	<0.1	<0.5
PM11MP351	653079	5517573	0.2	2.8	<0.5	0.6	0.2	0.6
PM11MP352	653104	5517580	0.2	3.1	<0.5	0.8	0.2	<0.5
PM11MP353	653126	5517589	<0.1	3.7	4.6	0.6	0.3	<0.5
PM11MP354	653149	5517592	<0.1	6.2	1.5	0.8	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP355	653164	5517591	<0.1	3.9	<0.5	0.6	0.2	<0.5
PM11MP356	653192	5517590	<0.1	1.6	<0.5	0.5	0.1	<0.5
PM11MP357	653189	5517501	0.1	3.6	<0.5	0.8	0.2	<0.5
PM11MP358	653168	5517501	0.1	4	<0.5	0.5	0.2	<0.5
PM11MP359	653150	5517493	0.1	3.1	<0.5	1.5	0.2	<0.5
PM11MP360	653121	5517493	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11MP361	653082	5517499	0.1	2.7	<0.5	0.6	0.2	<0.5
PM11MP362	653068	5517499	<0.1	3.2	0.6	0.7	0.2	<0.5
PM11MP363	653043	5517497	<0.1	3.9	<0.5	0.5	0.2	<0.5
PM11MP364	653026	5517497	<0.1	2.4	1.3	0.4	0.2	<0.5
PM11MP365	652982	5517501	0.2	2.1	0.7	0.4	0.2	<0.5
PM11MP366	652969	5517504	0.3	3.7	0.7	0.7	0.2	<0.5
PM11MP367	652955	5517507	0.2	3.8	<0.5	0.8	0.1	<0.5
PM11MP368	652933	5517507	0.1	2.9	1	0.8	0.2	<0.5
PM11MP369	652903	5517507	0.1	2.8	0.6	0.8	0.1	<0.5
PM11MP370	652887	5517508	0.2	2.5	3.6	0.8	0.1	<0.5
PM11MP371	652852	5517507	0.2	1.8	3.2	0.3	0.1	<0.5
PM11MP372	652832	5517506	0.1	1.3	<0.5	0.4	<0.1	<0.5
PM11MP373	652824	5517533	<0.1	1.8	<0.5	0.7	0.1	<0.5
PM11MP374	652771	5517545	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM11MP375	652735	5517513	<0.1	1.7	<0.5	0.6	0.1	<0.5
PM11MP376	652689	5517505	<0.1	1.9	<0.5	0.6	0.1	<0.5
PM11MP377	652663	5517504	<0.1	1.1	<0.5	0.8	<0.1	<0.5
PM11MP378	652638	5517511	<0.1	1.6	<0.5	0.6	0.1	<0.5
PM11MP379	652600	5517510	0.1	1.4	<0.5	0.4	0.1	<0.5
PM11MP380	652573	5517499	<0.1	2.7	<0.5	0.6	0.1	0.6
PM11MP381	652546	5517493	<0.1	3.1	<0.5	0.9	0.2	<0.5
PM11MP382	652521	5517498	<0.1	2.9	0.6	0.9	0.2	<0.5
PM11MP383	652496	5517499	<0.1	2.7	0.9	0.5	0.2	<0.5
PM11MP384	652473	5517501	<0.1	1.9	<0.5	0.5	<0.1	<0.5
PM11MP385	652450	5517500	<0.1	3.7	<0.5	0.5	0.2	<0.5
PM11MP386	652421	5517503	<0.1	0.6	<0.5	0.3	<0.1	<0.5
PM11MP387	652399	5517507	<0.1	1.8	1.1	0.4	0.2	<0.5
PM11MP388	652371	5517512	<0.1	1.7	0.5	0.4	0.1	<0.5
PM11MP389	652343	5517499	<0.1	1.2	51.6	0.3	<0.1	<0.5
PM11MP390	652323	5517486	<0.1	1.6	<0.5	0.4	0.1	<0.5
PM11MP391	652300	5517500	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11MP392	651346	5517998	<0.1	6.1	0.6	0.6	0.3	<0.5
PM11MP393	651324	5517992	<0.1	1.5	0.7	0.3	0.2	<0.5
PM11MP394	651305	5517995	<0.1	1.8	<0.5	0.3	0.2	<0.5
PM11MP395	651284	5518001	<0.1	1.9	<0.5	0.4	0.2	<0.5
PM11MP396	651262	5518006	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11MP397	651234	5518005	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11MP398	651199	5517997	<0.1	2.4	<0.5	0.8	0.2	<0.5
PM11MP399	651176	5517998	<0.1	2.2	1.3	0.4	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP400	651148	5517992	<0.1	1.2	<0.5	0.3	0.1	<0.5
PM11MP401	651126	5517995	<0.1	1.1	50.1	0.3	0.1	<0.5
PM11MP402	651104	5517996	<0.1	3.1	1.9	0.6	0.3	<0.5
PM11MP403	651072	5517998	<0.1	1.3	0.5	0.4	0.1	<0.5
PM11MP404	651056	5518001	<0.1	2.6	0.9	0.5	0.2	<0.5
PM11MP405	651034	5517997	<0.1	2.5	1.9	0.5	0.2	<0.5
PM11MP406	651005	5518002	0.1	2	16	0.5	0.3	<0.5
PM11MP407	650979	5518002	<0.1	2.9	1.6	0.5	0.2	<0.5
PM11MP408	650947	5517994	0.2	3.3	0.8	0.6	0.2	<0.5
PM11MP409	650926	5517994	<0.1	3.3	1.5	0.6	0.2	<0.5
PM11MP410	650905	5517995	<0.1	1.9	0.6	0.5	<0.1	<0.5
PM11MP411	650872	5517993	<0.1	3.9	1.2	0.7	0.2	<0.5
PM11MP412	650848	5517992	<0.1	3.3	1	0.7	0.1	<0.5
PM11MP413	650826	5517989	<0.1	5.6	1.4	0.6	0.3	<0.5
PM11MP414	650807	5517994	<0.1	3.6	1.1	0.6	0.3	<0.5
PM11MP415	650772	5517965	<0.1	2.5	0.7	0.8	0.1	<0.5
PM11MP416	650751	5518002	<0.1	1.7	0.5	0.6	0.1	<0.5
PM11MP417	650735	5518009	<0.1	4.9	1.3	0.6	0.2	<0.5
PM11MP418	650702	5518024	<0.1	2.5	1.1	0.8	0.2	<0.5
PM11MP419	652049	5518410	<0.1	2.9	0.7	0.7	0.2	<0.5
PM11MP420	652014	5518399	0.3	3.6	2.2	0.8	0.3	<0.5
PM11MP421	651993	5518396	<0.1	2.4	3	0.7	0.2	<0.5
PM11MP422	651970	5518403	<0.1	3.4	2.4	1.3	0.2	<0.5
PM11MP423	651950	5518411	<0.1	3.5	6.5	1.3	0.2	<0.5
PM11MP424	651926	5518415	0.1	3.8	1.5	1.1	0.2	<0.5
PM11MP425	651904	5518395	<0.1	1.5	4.3	0.6	0.2	<0.5
PM11MP426	651877	5518394	<0.1	3	3	0.8	0.2	<0.5
PM11MP427	651853	5518396	<0.1	1.6	<0.5	0.4	0.2	<0.5
PM11MP428	651834	5518402	<0.1	2.5	1.4	0.6	0.2	<0.5
PM11MP429	651812	5518410	<0.1	2.5	3.2	0.7	0.2	<0.5
PM11MP430	651779	5518397	0.1	4	<0.5	0.8	0.2	<0.5
PM11MP431	651750	5518401	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM11MP432	651723	5518401	0.1	2.8	<0.5	1	0.2	<0.5
PM11MP433	651696	5518403	<0.1	2.7	<0.5	0.7	0.3	<0.5
PM11MP434	651672	5518401	<0.1	1.7	<0.5	0.7	0.2	<0.5
PM11MP435	651642	5518399	<0.1	1.5	<0.5	0.6	0.1	<0.5
PM11MP436	651618	5518405	<0.1	2.7	1	0.6	0.2	<0.5
PM11MP437	651606	5518399	<0.1	1.7	0.7	0.7	0.2	<0.5
PM11MP438	651576	5518401	<0.1	2.2	1.6	0.7	0.2	<0.5
PM11MP439	651555	5518406	<0.1	2.7	0.9	0.9	0.2	<0.5
PM11MP440	651536	5518407	<0.1	2	<0.5	0.7	0.2	<0.5
PM11MP441	651495	5518393	<0.1	2.4	<0.5	0.8	0.1	<0.5
PM11MP442	651464	5518388	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11MP443	651442	5518391	<0.1	1.5	<0.5	0.4	0.2	<0.5
PM11MP444	651419	5518381	0.1	1.5	2.2	0.4	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP445	651405	5518398	<0.1	2.7	<0.5	0.8	0.2	<0.5
PM11MP446	651384	5518401	<0.1	2.4	0.7	0.6	0.2	<0.5
PM11MP447	652276	5517502	<0.1	3.3	<0.5	0.3	0.1	<0.5
PM11MP448	652250	5517502	<0.1	3.3	<0.5	0.5	0.1	<0.5
PM11MP449	652232	5517503	<0.1	1.4	1.2	0.5	0.1	<0.5
PM11MP450	652196	5517497	<0.1	2.6	<0.5	0.8	0.2	<0.5
PM11MP451	652171	5517500	<0.1	0.9	<0.5	0.4	0.1	<0.5
PM11MP452	652152	5517502	<0.1	2.9	<0.5	0.6	0.2	<0.5
PM11MP453	652126	5517504	<0.1	2.2	<0.5	0.7	0.2	<0.5
PM11MP454	652099	5517505	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM11MP455	652077	5517497	<0.1	2.4	<0.5	0.8	0.2	<0.5
PM11MP456	652042	5517499	<0.1	2.5	<0.5	0.8	0.2	<0.5
PM11MP457	652023	5517498	0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MP458	652001	5517495	0.4	3.1	<0.5	0.6	0.3	<0.5
PM11MP459	651973	5517488	0.3	4.1	1.4	0.7	0.3	<0.5
PM11MP460	651951	5517502	<0.1	2.3	<0.5	0.7	0.3	<0.5
PM11MP461	651926	5517502	<0.1	4.4	1.5	1	0.4	<0.5
PM11MP462	651893	5517507	0.6	6.3	<0.5	0.8	0.3	<0.5
PM11MP463	651876	5517506	<0.1	5.1	1.4	0.8	0.4	<0.5
PM11MP464	651848	5517504	<0.1	3.6	1.6	0.7	0.2	<0.5
PM11MP465	651845	5517504	<0.1	2.2	1.8	0.7	0.1	<0.5
PM11MP466	651813	5517502	<0.1	2.5	3.2	0.7	0.2	0.6
PM11MP467	651794	5517497	<0.1	2.5	0.5	0.6	0.2	<0.5
PM11MP468	651768	5517500	<0.1	1.2	<0.5	0.5	0.2	<0.5
PM11MP469	651725	5517496	<0.1	2.7	1	0.6	0.2	<0.5
PM11MP470	651709	5517495	<0.1	2.4	1	0.7	0.2	<0.5
PM11MP471	651689	5517498	<0.1	1.8	0.8	0.5	0.2	<0.5
PM11MP472	651658	5517502	<0.1	2.7	0.9	0.8	0.3	<0.5
PM11MP473	651625	5517510	<0.1	3.2	1.1	0.7	0.3	<0.5
PM11MP474	651598	5517498	<0.1	2.3	5	0.7	0.2	<0.5
PM11MP475	651574	5517502	<0.1	3.3	1.2	0.7	0.3	<0.5
PM11MP476	651552	5517507	<0.1	3.8	1.2	0.5	0.2	<0.5
PM11MP477	651648	5517400	<0.1	1.8	0.7	1.2	0.2	<0.5
PM11MP478	651625	5517406	<0.1	2.1	0.8	1.4	0.2	<0.5
PM11MP479	651605	5517412	<0.1	2.2	<0.5	1.2	0.2	<0.5
PM11MP480	651572	5517403	0.1	2.6	0.5	0.6	0.2	<0.5
PM11MP481	651548	5517405	<0.1	5.7	2.3	0.7	0.4	<0.5
PM11MP482	651520	5517403	<0.1	3.3	2	0.8	0.2	<0.5
PM11MP483	651492	5517408	<0.1	3.2	0.6	0.9	0.3	<0.5
PM11MP484	651471	5517410	<0.1	2.2	<0.5	0.9	0.2	<0.5
PM11MP485	651448	5517402	<0.1	2.3	8.4	0.8	0.2	<0.5
PM11MP486	651428	5517401	<0.1	3	2	0.6	0.2	<0.5
PM11MP487	651402	5517406	<0.1	2.2	1.7	0.8	0.2	<0.5
PM11MP488	651376	5517402	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM11MP489	651348	5517404	<0.1	1.9	<0.5	0.7	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11MP490	651329	5517400	<0.1	1.4	<0.5	0.4	0.1	<0.5
PM11MP491	651297	5517402	<0.1	1.8	1.2	0.4	0.2	<0.5
PM11MP492	651276	5517400	<0.1	1.7	0.5	0.6	0.1	<0.5
PM11MP493	651254	5517402	<0.1	1.9	<0.5	0.5	0.1	<0.5
PM11MP494	651173	5517396	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM11MP495	651150	5517403	<0.1	1.5	<0.5	0.3	0.1	<0.5
PM11MP496	651126	5517401	<0.1	1.8	1	0.4	0.1	<0.5
PM11MP497	651097	5517392	<0.1	1.7	0.6	0.3	0.1	<0.5
PM11MP498	651077	5517400	0.1	2.3	436.2	0.4	0.2	<0.5
PM11MP499	651077	5517400	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11MP500	651077	5517400	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM11MP501	651059	5517394	<0.1	2.5	<0.5	0.6	0.2	<0.5
PM11MP502	651023	5517404	0.3	2.6	0.8	0.5	0.3	<0.5
PM11MP503	650993	5517403	<0.1	4.2	0.6	0.6	0.3	<0.5
PM11MP504	650947	5517400	<0.1	2.9	4.9	0.6	0.2	<0.5
PM11MP505	650922	5517399	<0.1	3.3	4.5	0.6	0.2	<0.5
PM11MP506	650903	5517402	<0.1	3.6	<0.5	0.5	0.2	<0.5
PM11MP507	650881	5517402	0.1	3.6	<0.5	0.5	0.2	<0.5
PM11MP508	650846	5517408	<0.1	4	<0.5	0.7	0.3	<0.5
PM11MP509	650816	5517408	<0.1	3.2	1.8	0.7	0.2	<0.5
PM11MP510	650800	5517406	<0.1	3	<0.5	0.6	0.2	<0.5
PM11MP511	650767	5517405	<0.1	3	<0.5	0.6	0.1	<0.5
PM11MP512	650745	5517403	<0.1	1	<0.5	0.6	<0.1	<0.5
PM11MP513	650731	5517405	<0.1	1	<0.5	0.8	<0.1	<0.5
PM11MP514	650700	5517400	<0.1	1.5	<0.5	0.6	<0.1	<0.5
PM11JC001	652800	5518798	<0.1	2.1	1.2	0.7	0.1	<0.5
PM11JC002	652774	5518797	0.1	3.6	0.7	0.7	0.1	<0.5
PM11JC003	652752	5518800	0.1	3	0.9	0.6	0.2	<0.5
PM11JC004	652726	5518800	<0.1	3.1	1.9	0.7	0.3	<0.5
PM11JC005	652703	5518803	0.1	2.8	4.1	0.7	0.3	<0.5
PM11JC006	652678	5518802	0.1	1.9	<0.5	0.6	0.1	<0.5
PM11JC007	652650	5518800	0.1	3.3	0.8	0.6	0.2	<0.5
PM11JC008	652626	5518800	<0.1	2.6	<0.5	0.4	0.1	<0.5
PM11JC009	652600	5518801	<0.1	2.8	2.1	0.8	0.2	<0.5
PM11JC010	652574	5518796	<0.1	2	0.7	0.6	0.2	<0.5
PM11JC011	652548	5518804	<0.1	2	<0.5	0.6	0.2	<0.5
PM11JC012	652524	5518801	<0.1	2.2	2.4	0.6	0.2	<0.5
PM11JC013	652500	5518798	<0.1	2.2	0.6	0.6	0.2	<0.5
PM11JC014	652471	5518801	<0.1	2.2	0.8	0.6	0.2	<0.5
PM11JC015	652450	5518800	<0.1	1.3	0.6	0.5	0.2	<0.5
PM11JC016	652426	5518801	<0.1	2.4	13.7	0.6	0.3	<0.5
PM11JC017	652402	5518800	<0.1	2	0.6	0.6	0.2	<0.5
PM11JC018	652375	5518800	<0.1	2.7	1.2	0.5	0.2	<0.5
PM11JC019	652351	5518804	<0.1	1.8	0.8	0.5	0.2	<0.5
PM11JC020	652324	5518795	<0.1	1.6	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JC021	652300	5518798	<0.1	1.5	1.1	0.5	0.1	<0.5
PM11JC022	652269	5518801	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM11JC023	652251	5518800	<0.1	2	0.9	0.5	0.2	<0.5
PM11JC024	652222	5518802	<0.1	1.4	1.5	0.6	0.2	<0.5
PM11JC025	652201	5518798	<0.1	2	1.6	0.6	0.2	<0.5
PM11JC026	652174	5518802	<0.1	1.8	1	0.5	0.2	<0.5
PM11JC027	652146	5518796	<0.1	1.3	1.3	0.4	0.1	<0.5
PM11JC028	652126	5518803	<0.1	1.2	0.5	0.4	0.2	<0.5
PM11JC029	652101	5518795	<0.1	1.7	5.3	0.4	0.2	<0.5
PM11JC030	652075	5518796	<0.1	2.1	8.8	0.7	0.2	<0.5
PM11JC031	652049	5518800	<0.1	2.8	3.7	0.5	0.3	<0.5
PM11JC032	652025	5518800	0.1	2.4	2.1	0.5	0.2	<0.5
PM11JC033	652000	5518802	<0.1	2.1	1.3	0.6	0.2	<0.5
PM11JC034	651974	5518797	<0.1	3.9	0.7	0.9	0.3	<0.5
PM11JC035	651948	5518802	<0.1	2.6	1.6	0.6	0.2	<0.5
PM11JC036	651923	5518798	0.2	2.7	<0.5	0.7	0.3	0.5
PM11JC037	651903	5518800	0.1	2.7	3.1	0.7	0.2	<0.5
PM11JC038	651875	5518795	<0.1	2.8	4.1	0.6	0.2	<0.5
PM11JC039	651855	5518797	<0.1	2.8	3.1	0.5	0.2	<0.5
PM11JC040	651828	5518801	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM11JC041	651799	5518796	<0.1	2.3	1.9	0.6	0.2	<0.5
PM11JC042	651777	5518798	<0.1	2.4	<0.5	0.7	0.2	<0.5
PM11JC043	651750	5518798	<0.1	2.5	3	0.6	0.3	<0.5
PM11JC044	651726	5518796	<0.1	4.7	7	0.8	0.3	<0.5
PM11JC045	651700	5518805	<0.1	4.6	3	0.8	0.4	<0.5
no sample	651672	5518784						
no sample	651647	5518764						
no sample	651625	5518750						
PM11JC046	651597	5518799	<0.1	3.3	10.8	0.8	0.2	<0.5
PM11JC047	651576	5518803	<0.1	6.6	2.7	1.2	0.4	<0.5
PM11JC048	651551	5518799	0.2	7	222.5	1.2	0.4	<0.5
PM11JC049	651526	5518803	<0.1	3.5	<0.5	0.8	0.2	<0.5
PM11JC050	651501	5518803	<0.1	2.9	1.7	0.6	0.2	<0.5
PM11JC051	651476	5518800	<0.1	2.4	6.5	0.6	0.2	<0.5
PM11JC052	651453	5518804	<0.1	3.8	0.9	0.5	0.2	<0.5
PM11JC053	651426	5518802	0.3	5	2	0.8	0.4	0.7
PM11JC054	651403	5518802	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11JC055	651402	5518799	<0.1	3.1	1.7	0.7	0.2	<0.5
PM11JC056	651372	5518800	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11JC057	651352	5518797	<0.1	2.1	<0.5	0.5	0.1	<0.5
PM11JC058	651323	5518803	<0.1	2.9	3.3	0.5	0.2	<0.5
PM11JC059	651301	5518799	<0.1	2.5	<0.5	0.4	0.2	<0.5
PM11JC060	651275	5518801	<0.1	3.3	<0.5	0.5	0.2	<0.5
PM11JC061	651250	5518801	<0.1	4.7	7.6	0.5	0.3	<0.5
PM11JC062	651226	5518802	<0.1	2	9.2	0.7	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JC063	651200	5518798	<0.1	2	2.7	0.5	0.2	<0.5
PM11JC064	651176	5518800	<0.1	3	<0.5	0.6	0.2	<0.5
PM11JC065	651149	5518797	<0.1	3.4	1.6	0.4	0.2	<0.5
PM11JC066	651124	5518798	<0.1	2.6	0.7	0.6	0.2	<0.5
no sample	651098	5518799						
PM11JC068	651075	5518800	<0.1	3.6	1.4	0.5	0.3	<0.5
no sample	651054	5518799						
PM11JC069	651023	5518809	<0.1	1.9	0.6	0.7	0.2	<0.5
PM11JC070	651001	5518785	<0.1	2	<0.5	0.7	0.2	<0.5
PM11JC071	650969	5518794	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11JC072	650951	5518801	<0.1	2.3	2.7	0.6	0.2	<0.5
PM11JC073	650925	5518801	<0.1	2.6	<0.5	0.5	0.2	<0.5
PM11JC074	650899	5518804	<0.1	3.7	0.5	0.7	0.3	<0.5
PM11JC075	650877	5518798	<0.1	3.8	1	0.7	0.3	<0.5
PM11JC076	650850	5518801	<0.1	3.9	1.9	0.6	0.3	<0.5
PM11JC077	650825	5518803	0.2	4.2	1.1	0.5	0.2	<0.5
PM11JC078	650800	5518802	<0.1	2.3	3.9	0.5	0.2	<0.5
PM11JC079	650775	5518803	<0.1	1.6	1.9	0.3	0.2	<0.5
PM11JC080	650751	5518798	<0.1	2.9	0.9	0.5	0.2	<0.5
PM11JC081	650724	5518803	<0.1	1.3	1.2	0.4	0.2	<0.5
PM11JC082	650701	5518800	<0.1	2.7	2	0.6	0.2	<0.5
PM11JC083	653202	5519099	<0.1	5	4.6	1	0.4	<0.5
PM11JC084	653176	5519097	<0.1	2.5	1.6	0.5	0.1	<0.5
PM11JC085	653151	5519098	0.1	2.5	1	0.5	0.1	<0.5
PM11JC086	653129	5519096	0.1	2.7	2.8	0.6	0.2	<0.5
PM11JC087	653101	5519099	0.2	4.3	29.2	0.6	0.1	<0.5
PM11JC088	653076	5519102	<0.1	1.7	2.1	1	0.1	<0.5
PM11JC089	653048	5519102	<0.1	3.5	1.1	0.6	0.2	<0.5
PM11JC090	653025	5519104	<0.1	2.5	20.7	0.6	0.2	<0.5
PM11JC091	653001	5519096	<0.1	2	10.3	0.9	0.2	<0.5
PM11JC092	652974	5519100	<0.1	2	1.7	0.6	0.2	<0.5
PM11JC093	652945	5519096	<0.1	2.2	1.7	0.5	0.2	<0.5
PM11JC094	652895	5519097	<0.1	2.1	0.9	0.6	0.2	<0.5
PM11JC095	652896	5519097	<0.1	2.3	2.6	0.6	0.2	<0.5
PM11JC096	652873	5519098	<0.1	3.2	13.6	0.6	0.3	<0.5
PM11JC097	652851	5519097	<0.1	2	0.9	0.5	0.2	<0.5
PM11JC098	652823	5519102	<0.1	3.8	0.6	0.5	0.2	<0.5
PM11JC099	652851	5519100	<0.1	2.8	0.5	0.6	0.2	<0.5
PM11JC100	652825	5519100	<0.1	2.8	0.6	0.7	0.2	<0.5
PM11JC101	652800	5519098	<0.1	2.7	0.7	0.6	0.2	<0.5
PM11JC102	652774	5519101	<0.1	3.8	0.5	0.6	0.2	<0.5
PM11JC103	652749	5519099	<0.1	2.7	1.4	0.4	0.1	<0.5
PM11JC104	652727	5519092	<0.1	2.1	0.9	0.5	0.2	<0.5
PM11JC105	652698	5519098	<0.1	2.3	<0.5	0.7	0.2	<0.5
PM11JC106	652675	5519102	0.4	4.7	<0.5	0.7	0.3	<0.5



## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
no sample	652651	5519101						
no sample	652622	5519098						
PM11JC107	652600	5519101	<0.1	1.4	<0.5	0.4	0.2	<0.5
PM11JC108	652578	5519099	<0.1	1.4	7.6	0.4	0.2	<0.5
PM11JC109	652549	5519105	<0.1	1.6	2.2	0.6	0.2	<0.5
PM11JC110	652525	5519099	<0.1	2.1	0.8	0.6	0.2	<0.5
PM11JC111	652500	5519101	<0.1	2.1	2.6	0.6	0.2	<0.5
PM11JC112	652472	5519091	<0.1	2.1	<0.5	0.5	0.2	<0.5
PM11JC113	652449	5519102	<0.1	2.1	1.1	0.8	0.2	<0.5
PM11JC114	652427	5519102	<0.1	2.4	0.5	0.6	0.2	<0.5
PM11JC115	652402	5519101	<0.1	1.8	<0.5	0.7	0.2	<0.5
PM11JC116	652376	5519101	<0.1	2.8	<0.5	0.6	0.2	<0.5
PM11JC117	652349	5519097	<0.1	2.6	<0.5	0.4	0.2	<0.5
PM11JC118	652326	5519102	<0.1	2	<0.5	0.6	0.1	<0.5
PM11JC119	652302	5519100	0.2	1.9	<0.5	0.6	0.2	<0.5
PM11JC120	652272	5519098	<0.1	2	<0.5	0.6	0.2	<0.5
PM11JC121	652250	5519102	<0.1	1.9	1.5	0.7	0.3	<0.5
PM11JC122	652226	5519105	<0.1	2.1	1.6	0.7	0.2	<0.5
PM11JC123	652200	5519102	<0.1	2	<0.5	0.6	0.2	<0.5
PM11JC124	652176	5519097	<0.1	1.7	2.2	0.6	0.2	<0.5
PM11JC125	652150	5519096	<0.1	1	2.1	0.4	0.2	<0.5
PM11JC126	652126	5519098	<0.1	1.3	1.2	0.3	0.2	<0.5
PM11JC127	652103	5519100	<0.1	1	3.9	0.5	0.1	<0.5
PM11JC128	652072	5519096	<0.1	0.8	0.7	0.5	0.1	<0.5
PM11JC129	652050	5519099	<0.1	1.1	1.7	0.4	0.1	<0.5
PM11JC130	652024	5519099	<0.1	1.9	<0.5	0.6	0.2	<0.5
PM11JC131	652001	5519099	0.1	2.6	<0.5	0.4	0.1	<0.5
PM11JC132	651973	5519102	0.1	2.6	<0.5	0.5	0.2	<0.5
PM11JC133	651948	5519099	<0.1	2.3	4.7	0.6	0.2	<0.5
PM11JC134	651922	5519100	0.1	2.1	1.7	0.7	0.2	<0.5
PM11JC135	651899	5519093	0.2	3.1	2.1	0.5	0.2	<0.5
PM11JC136	651878	5519099	0.2	2.9	4.4	0.6	0.3	<0.5
PM11JC137	651852	5519098	<0.1	1.8	1.6	0.9	0.2	<0.5
PM11JC138	651825	5519096	<0.1	3.9	1.8	0.8	0.2	<0.5
PM11JC139	651800	5519100	<0.1	4.1	1.2	0.8	0.3	<0.5
PM11JC140	651777	5519100	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM11JC141	651750	5519102	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM11JC142	651722	5519105	<0.1	2	7.2	0.5	0.2	<0.5
PM11JC143	651697	5519098	<0.1	2	2.9	0.6	0.2	<0.5
PM11JC144	651677	5519101	<0.1	2.4	0.6	0.5	0.2	<0.5
PM11JC145	651651	5519104	<0.1	2.1	<0.5	0.4	0.2	<0.5
PM11JC146	651625	5519105	<0.1	1.4	<0.5	0.4	0.1	<0.5
PM11JC147	651595	5519099	<0.1	2.1	<0.5	0.4	0.2	<0.5
PM11JC148	651574	5519101	<0.1	1.7	32.1	0.5	0.2	<0.5
PM11JC149	651548	5519100	<0.1	2.8	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JC150	651525	5519100	<0.1	2.2	0.6	0.5	0.2	<0.5
PM11JC151	651501	5519096	<0.1	2.3	24.5	0.5	0.2	<0.5
PM11JC152	651477	5519102	<0.1	2.2	0.7	0.7	0.2	<0.5
PM11JC153	651451	5519098	<0.1	3.2	7.4	0.7	0.3	<0.5
PM11JC154	651426	5519099	<0.1	1.9	<0.5	0.4	0.2	<0.5
PM11JC155	651397	5519097	0.1	3.3	<0.5	0.7	0.2	<0.5
PM11JC156	651374	5519103	<0.1	2.8	6.3	0.6	0.3	<0.5
PM11JC157	651349	5519095	<0.1	1.5	0.8	0.4	0.2	<0.5
PM11JC158	651322	5519098	<0.1	2.7	2.6	0.6	0.2	<0.5
PM11JC159	651303	5519099	<0.1	3.5	2	0.6	0.3	<0.5
PM11JC160	651276	5519096	<0.1	3.4	0.7	0.6	0.4	<0.5
PM11JC161	651251	5519098	<0.1	1.4	2.1	0.6	0.2	<0.5
PM11JC162	651225	5519095	<0.1	2.3	2.4	0.4	0.3	<0.5
PM11JC163	651200	5519096	<0.1	2.2	4	0.5	0.2	<0.5
PM11JC164	651175	5519100	<0.1	2.6	0.7	0.6	0.2	<0.5
PM11JC165	651151	5519099	<0.1	4	0.8	0.6	0.3	<0.5
PM11JC166	651125	5519100	<0.1	3.5	<0.5	0.7	0.3	<0.5
PM11JC167	651104	5519104	<0.1	3.3	0.5	0.6	0.3	<0.5
PM11JC168	651078	5519101	<0.1	2.7	<0.5	0.7	0.1	<0.5
PM11JC169	651051	5519102	<0.1	2.8	<0.5	0.8	0.2	<0.5
PM11JC170	651025	5519102	0.1	3.5	<0.5	0.6	0.2	<0.5
PM11JC171	651000	5519105	<0.1	3.6	1	0.7	0.2	<0.5
PM11JC172	650974	5519103	<0.1	3.6	<0.5	0.6	0.3	<0.5
PM11JC173	650952	5519102	0.1	3.7	0.8	0.7	0.2	<0.5
PM11JC174	650925	5519099	<0.1	3.9	2.1	0.6	0.3	<0.5
PM11JC175	650899	5519099	0.1	2.7	0.7	0.5	0.2	<0.5
PM11JC176	650874	5519101	0.1	3.3	0.9	0.6	0.1	<0.5
PM11JC177	650851	5519099	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM11JC178	650825	5519097	0.1	3.2	<0.5	0.5	0.1	<0.5
PM11JC179	650798	5519095	<0.1	2	1.6	0.6	0.2	<0.5
PM11JC180	650777	5519097	<0.1	3.4	<0.5	0.7	0.3	<0.5
PM11JC181	650751	5519100	<0.1	2.5	<0.5	0.5	0.2	<0.5
PM11JC182	650725	5519100	<0.1	1.3	<0.5	0.5	0.2	<0.5
PM11JC183	650700	5519202	<0.1	2.9	<0.5	0.5	0.2	<0.5
PM11JC184	650725	5519200	<0.1	1.9	1.4	0.4	0.2	<0.5
PM11JC185	650750	5519198	<0.1	2.5	0.7	0.6	0.2	<0.5
PM11JC186	650774	5519201	<0.1	1.3	<0.5	0.4	0.1	<0.5
PM11JC187	650803	5519202	<0.1	1	<0.5	0.5	0.2	<0.5
PM11JC188	650825	5519203	0.1	2.6	1.2	0.6	0.2	<0.5
PM11JC189	650849	5519200	0.1	2.9	<0.5	0.7	0.2	<0.5
PM11JC190	650880	5519203	<0.1	2.5	<0.5	0.7	0.3	<0.5
PM11JC191	650900	5519203	<0.1	2.7	1.1	0.7	0.2	<0.5
PM11JC192	650926	5519299	<0.1	0.9	<0.5	0.6	0.2	<0.5
PM11JC193	650902	5519299	<0.1	1.2	<0.5	0.5	0.2	<0.5
PM11JC194	650878	5519301	<0.1	1.8	12.3	0.7	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM11JC195	650853	5519298	<0.1	1.9	<0.5	0.8	0.2	<0.5
PM1JC196	650826	5519295	<0.1	<0.5	<0.5	0.5	0.3	<0.5
PM1JC197	650801	5519296	<0.1	2	1.1	0.5	0.2	<0.5
PM1JC198	650776	5519297	<0.1	2.1	<0.5	0.7	0.2	<0.5
PM1JC199	650749	5519301	<0.1	12.1	1	0.6	0.6	<0.5
PM1JC200	650729	5519298	<0.1	12.2	<0.5	0.7	0.2	<0.5
PM1JC201	650698	5519298	<0.1	0.9	1.1	0.6	0.2	<0.5
PM1JC202	650701	5519406	<0.1	1.4	<0.5	0.7	0.2	<0.5
PM1JC203	650727	5519403	<0.1	1.2	2.1	0.5	0.2	<0.5
PM1JC204	650752	5519405	<0.1	0.7	<0.5	0.5	0.1	<0.5
PM1JC205	650778	5519403	<0.1	0.5	66.5	0.5	0.2	<0.5
PM1JC206	650798	5519405	<0.1	4	<0.5	0.4	0.2	<0.5
PM1JC207	650828	5519404	<0.1	3.9	1.1	0.3	0.2	<0.5
PM1JC208	650850	5519405	<0.1	1.9	<0.5	0.5	0.2	<0.5
PM1JC209	650875	5519399	<0.1	4.1	<0.5	0.4	0.2	<0.5
PM1JC210	650899	5519401	<0.1	4	<0.5	0.6	0.2	<0.5
PM1JC211	650930	5519408	<0.1	2.4	1.3	0.4	0.1	<0.5
PM1JC212	652300	5518202	<0.1	1.7	<0.5	0.5	0.2	<0.5
PM1JC213	652324	5518202	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM1JC214	652354	5518198	<0.1	0.6	0.5	0.4	0.2	<0.5
PM1JC215	652378	5518198	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM1JC216	652399	5518199	<0.1	1.9	0.6	0.9	0.2	<0.5
PM1JC217	652424	5518203	<0.1	1.9	<0.5	0.7	0.3	<0.5
PM1JC218	652449	5518200	<0.1	2.2	10.8	0.4	0.3	<0.5
PM1JC219	652475	5518202	<0.1	1.6	<0.5	0.4	0.4	<0.5
PM1JC220	652500	5518200	<0.1	1.9	<0.5	0.7	0.3	<0.5
PM1JC221	652524	5518201	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM1JC222	652550	5518197	<0.1	2.4	2.4	0.5	0.2	<0.5
PM1JC223	652574	5518202	<0.1	3.5	0.8	0.7	0.2	<0.5
PM1JC224	652597	5518198	<0.1	2.1	1.1	0.5	0.1	<0.5
PM1JC225	652626	5518197	<0.1	2.1	1.5	0.7	0.2	<0.5
PM1JC226	652651	5518199	<0.1	2.5	1.1	0.6	0.2	<0.5
PM1JC227	652675	5518198	<0.1	2	0.5	0.5	0.1	<0.5
PM1JC228	652700	5518200	<0.1	2.8	0.7	0.5	0.2	<0.5
PM1JC229	652723	5518198	<0.1	3.3	0.7	0.7	0.2	<0.5
PM1JC230	652749	5518201	<0.1	2.6	0.8	0.6	0.2	<0.5
PM1JC231	652775	5518201	<0.1	3.1	2.6	0.7	0.3	<0.5
PM1JC232	652799	5518200	<0.1	4.3	0.8	0.7	0.3	<0.5
PM1JC233	652825	5518199	<0.1	2.7	<0.5	0.9	0.3	<0.5
PM1JC234	652849	5518201	<0.1	3.8	<0.5	0.8	0.2	<0.5
PM1JC235	652876	5518202	0.1	2.3	<0.5	0.8	0.3	<0.5
PM1JC236	652899	5518198	<0.1	3.3	0.7	0.7	0.3	<0.5
PM1JC237	652926	5518201	0.2	4.6	0.5	1	0.3	<0.5
PM1JC238	652949	5518197	0.3	4.5	1.2	0.9	0.3	<0.5
PM1JC239	652975	5518199	<0.1	3	<0.5	0.9	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC240	653001	5518204	<0.1	5	1.5	1.1	0.3	<0.5
PM1JC241	653024	5518196	<0.1	8.2	2.8	1.4	0.4	<0.5
PM1JC242	653051	5518198	<0.1	2.9	<0.5	0.6	<0.1	<0.5
PM1JC243	653076	5518201	<0.1	2.4	<0.5	0.6	<0.1	<0.5
PM1JC244	653100	5518199	<0.1	4.1	<0.5	1	0.3	<0.5
PM1JC245	653126	5518200	<0.1	4.4	3	1.2	0.3	<0.5
PM1JC246	653150	5518204	<0.1	4.3	<0.5	0.8	0.3	<0.5
PM1JC247	653176	5518204	<0.1	2.4	<0.5	0.8	0.2	<0.5
PM1JC248	653201	5518206	<0.1	2.4	3.4	0.8	0.2	<0.5
PM1JC249	652276	5518197	<0.1	3.4	0.9	0.6	0.2	<0.5
PM1JC250	652250	5518202	<0.1	3.4	<0.5	0.9	0.2	<0.5
no sample	652225	5518202						
PM1JC252	652202	5518198	<0.1	2.6	<0.5	0.8	0.2	<0.5
PM1JC253	652175	5518199	<0.1	3.6	0.9	0.7	0.4	<0.5
PM1JC254	652148	5518197	<0.1	3.2	1.2	0.7	0.2	<0.5
PM1JC255	652124	5518201	<0.1	2.2	1.8	0.6	0.3	<0.5
PM1JC256	652102	5518198	<0.1	3.3	0.9	0.8	0.3	<0.5
PM1JC257	652076	5518202	<0.1	1.9	<0.5	0.7	0.2	<0.5
PM1JC258	652049	5518198	<0.1	2.1	0.9	0.7	0.2	<0.5
PM1JC259	652027	5518199	<0.1	2.2	<0.5	0.6	0.2	<0.5
PM1JC260	651998	5518198	<0.1	2	2	0.6	0.2	<0.5
PM1JC261	651976	5518198	<0.1	2	0.6	0.7	0.2	<0.5
PM1JC262	651949	5518201	0.1	5.8	<0.5	0.7	0.2	<0.5
PM1JC263	651925	5518200	<0.1	1.7	<0.5	0.6	0.2	<0.5
PM1JC264	651901	5518198	<0.1	1.2	0.8	0.5	0.1	<0.5
PM1JC265	651874	5518200	0.7	4.7	0.9	0.7	0.4	<0.5
PM1JC266	651850	5518203	1.2	8.2	2	1.2	0.6	0.9
PM1JC267	651823	5518204	0.7	4.8	2.5	0.6	0.4	<0.5
PM1JC268	651803	5518194	0.7	5.1	1.1	0.6	0.4	<0.5
PM1JC269	651778	5518201	<0.1	2.9	<0.5	0.7	0.2	<0.5
PM1JC270	651749	5518200	0.1	3.4	<0.5	0.6	0.2	<0.5
PM1JC271	651724	5518197	<0.1	3.1	<0.5	0.6	0.2	<0.5
PM1JC272	651701	5518199	<0.1	2.6	0.6	0.7	0.2	<0.5
PM1JC273	651674	5518197	<0.1	2.1	0.9	0.6	0.2	<0.5
PM1JC274	651651	5518201	<0.1	3.2	1.8	0.6	0.2	<0.5
PM1JC275	651625	5518200	<0.1	2.1	<0.5	0.6	0.2	<0.5
PM1JC276	651601	5518198	<0.1	1.4	<0.5	0.4	0.2	<0.5
PM1JC277	651576	5518200	<0.1	1.3	0.6	0.4	0.1	<0.5
PM1JC278	651549	5518200	<0.1	2	1.2	0.7	0.2	<0.5
PM1JC279	651525	5518200	<0.1	2.2	12.1	0.6	0.2	<0.5
PM1JC280	651499	5518203	<0.1	1.9	0.6	0.6	0.1	<0.5
PM1JC281	651475	5518198	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM1JC282	651449	5518198	<0.1	2	5	0.4	0.2	<0.5
PM1JC283	651428	5518201	<0.1	2	<0.5	0.5	0.1	<0.5
PM1JC284	651402	5518202	<0.1	2.1	<0.5	0.5	0.2	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC285	655065	5519297	<0.1	3.1	<0.5	0.7	0.3	<0.5
PM1JC286	652299	5517899	<0.1	2.8	0.5	0.6	0.2	<0.5
PM1JC287	652325	5517903	<0.1	2.8	<0.5	0.8	0.2	<0.5
PM1JC288	652350	5517899	<0.1	3	<0.5	0.7	0.2	<0.5
PM1JC289	652374	5517899	<0.1	2.5	<0.5	0.6	0.3	<0.5
PM1JC290	652403	5517902	<0.1	2.6	2.5	0.6	0.3	<0.5
PM1JC291	652425	5517902	<0.1	1.6	<0.5	0.3	0.2	<0.5
PM1JC292	652449	5517903	<0.1	2.2	<0.5	0.7	0.2	<0.5
PM1JC293	652476	5517900	<0.1	3.1	<0.5	0.5	0.2	<0.5
PM1JC294	652499	5517900	<0.1	2.4	0.7	0.6	0.2	<0.5
PM1JC295	652525	5517903	<0.1	2.3	13.9	0.6	0.2	<0.5
PM1JC296	652548	5517904	<0.1	3.1	<0.5	0.7	0.2	<0.5
PM1JC297	652574	5517903	<0.1	3.1	<0.5	0.7	0.2	<0.5
PM1JC298	652603	5517897	<0.1	3.1	<0.5	0.6	0.2	<0.5
PM1JC299	652625	5517900	<0.1	2.4	<0.5	0.6	0.2	<0.5
PM1JC300	652649	5517896	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM1JC301	652674	5517896	<0.1	1.1	<0.5	0.3	0.1	<0.5
PM1JC302	652698	5517898	<0.1	1.7	0.5	0.5	0.1	<0.5
PM1JC303	652725	5517897	<0.1	2.8	<0.5	0.4	0.2	<0.5
PM1JC304	652750	5517904	<0.1	2.8	1.8	0.6	0.2	<0.5
PM1JC305	652774	5517897	<0.1	2.8	<0.5	0.5	0.2	<0.5
PM1JC306	652799	5517902	<0.1	3	0.5	0.7	0.2	<0.5
PM1JC307	652824	5517902	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM1JC308	652850	5517902	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM1JC309	652874	5517899	<0.1	2.6	<0.5	0.6	0.1	<0.5
PM1JC310	652900	5517887	0.1	2.4	1.1	0.6	0.2	<0.5
PM1JC311	652926	5517881	<0.1	2.1	3.1	0.7	0.2	<0.5
PM1JC312	652956	5517901	0.1	2.4	<0.5	0.7	0.2	<0.5
PM1JC313	652974	5517897	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM1JC314	652997	5517900	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM1JC315	653025	5517902	<0.1	2.6	<0.5	0.9	0.2	<0.5
PM1JC316	652274	5517897	<0.1	3	0.6	0.6	0.2	<0.5
PM1JC317	652251	5517900	<0.1	3.6	1.2	0.8	0.3	<0.5
PM1JC318	652224	5517902	<0.1	3.1	0.7	0.8	0.3	<0.5
PM1JC319	652201	5517898	0.1	2.6	4.6	0.7	0.2	<0.5
PM1JC320	652176	5517900	0.1	3.5	1.5	1	0.3	<0.5
PM1JC321	652150	5517897	0.1	3.9	<0.5	0.9	0.2	<0.5
PM1JC322	652125	5517900	<0.1	4.3	0.6	0.9	0.3	<0.5
PM1JC323	652096	5517899	<0.1	3.2	1.1	0.5	<0.1	<0.5
PM1JC324	652075	5517897	<0.1	2.2	0.8	0.4	0.1	<0.5
PM1JC325	652052	5517898	<0.1	2.5	0.6	0.5	0.1	<0.5
PM1JC326	652025	5517899	<0.1	2.7	0.6	0.4	0.1	<0.5
PM1JC327	652001	5517900	<0.1	2.6	1.5	0.5	0.2	<0.5
PM1JC328	651974	5517899	<0.1	3.7	0.9	1	0.3	<0.5
PM1JC329	651952	5517899	<0.1	1.3	1.5	0.6	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC330	651925	5517898	<0.1	2.8	5.8	0.7	0.3	<0.5
PM1JC331	651900	5517897	<0.1	1.6	1.6	0.3	0.2	<0.5
PM1JC332	651876	5517900	<0.1	1.6	0.6	1.1	0.1	<0.5
PM1JC333	651851	5517902	<0.1	3.5	1.8	1.2	0.3	<0.5
PM1JC334	651826	5517896	<0.1	3.6	4.6	1.3	0.3	<0.5
PM1JC335	651800	5517900	<0.1	2.4	2.5	1	0.2	<0.5
PM1JC336	651776	5517900	<0.1	2.6	2	0.8	0.3	<0.5
PM1JC337	651752	5517901	<0.1	2.1	1.5	0.8	0.2	<0.5
PM1JC338	651726	5517897	<0.1	1.8	3.2	0.8	0.2	<0.5
PM1JC339	651701	5517900	<0.1	1.6	1.3	0.5	0.2	<0.5
PM1JC340	651675	5517900	0.2	4	1.5	0.7	0.2	<0.5
PM1JC341	651649	5517898	<0.1	2.6	0.8	0.8	0.2	<0.5
PM1JC342	651625	5517904	<0.1	1.6	1.5	0.5	0.2	<0.5
PM1JC343	651601	5517899	<0.1	1.6	0.7	0.7	0.2	<0.5
PM1JC344	651577	5517902	<0.1	1.4	6.1	0.5	0.2	<0.5
PM1JC345	651548	5517900	0.1	2.2	2	0.6	0.2	<0.5
PM1JC346	651525	5517897	<0.1	1.5	<0.5	0.6	0.1	<0.5
PM1JC347	651500	5517899	<0.1	1	10.7	0.3	0.1	<0.5
PM1JC348	651473	5517898	<0.1	1.4	<0.5	0.5	<0.1	<0.5
PM1JC349	651450	5517900	<0.1	1.7	1.7	0.4	<0.1	0.6
PM1JC350	651424	5517899	<0.1	2	<0.5	0.5	0.1	<0.5
PM1JC351	651395	5517900	<0.1	2	<0.5	0.5	0.1	<0.5
PM1JC352	653199	5517303	<0.1	1.9	<0.5	0.4	<0.1	<0.5
PM1JC353	653177	5517297	0.1	2.1	<0.5	0.5	<0.1	<0.5
no sample	653151	5517303						
no sample	653128	5517299						
PM1JC354	653102	5517301	<0.1	2.2	<0.5	0.5	0.1	<0.5
PM1JC355	653077	5517302	<0.1	2	<0.5	0.3	0.1	0.9
no sample	653050	5517299						
no sample	653023	5517299						
PM1JC356	653000	5517298	<0.1	3	0.8	0.7	0.2	0.6
PM1JC357	652974	5517300	<0.1	2.9	0.8	0.6	0.1	<0.5
PM1JC358	652950	5517300	<0.1	2.5	10.6	0.6	0.1	<0.5
PM1JC359	652927	5517299	0.1	2	<0.5	0.6	0.1	0.9
PM1JC360	652900	5517302	0.1	2.6	<0.5	0.7	0.1	<0.5
PM1JC361	652877	5517299	0.1	2.2	1.1	0.5	0.1	<0.5
PM1JC362	652849	5517299	0.1	3	<0.5	0.9	0.2	<0.5
PM1JC363	652824	5517300	<0.1	2.4	<0.5	0.6	0.1	0.7
PM1JC364	652799	5517300	<0.1	3.9	5.1	0.9	0.2	0.5
PM1JC365	652775	5517298	0.2	2.9	<0.5	0.7	0.2	0.8
PM1JC366	652749	5517296	<0.1	3.8	<0.5	0.6	0.2	<0.5
PM1JC367	652724	5517298	<0.1	3.3	<0.5	0.5	0.2	<0.5
PM1JC368	652700	5517300	<0.1	3.6	0.9	0.6	0.2	0.5
PM1JC369	652673	5517296	<0.1	2.7	<0.5	0.7	0.1	<0.5
PM1JC370	652650	5517297	<0.1	2.5	<0.5	0.8	<0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC371	652624	5517299	0.1	2.5	0.7	0.6	<0.1	<0.5
PM1JC372	652601	5517300	0.1	2.9	1.4	0.6	0.2	<0.5
PM1JC373	652576	5517298	<0.1	2.6	1.3	0.7	0.2	<0.5
PM1JC374	652550	5517300	<0.1	1.3	0.9	0.5	0.2	<0.5
PM1JC375	652527	5517300	0.2	2.3	105	0.7	0.3	<0.5
PM1JC376	652501	5517302	<0.1	2.6	1	0.6	0.2	<0.5
PM1JC377	652475	5517301	<0.1	2.1	3	0.5	0.2	<0.5
PM1JC378	652449	5517302	<0.1	2	0.9	0.5	0.2	<0.5
PM1JC379	652423	5517302	<0.1	3.4	1.8	0.9	0.2	<0.5
PM1JC380	652401	5517298	0.1	2.8	3.8	0.7	0.2	<0.5
PM1JC381	652375	5517299	0.1	2.8	1.3	0.7	0.2	<0.5
PM1JC382	652350	5517300	0.2	2.9	1.6	0.9	0.2	<0.5
PM1JC383	652324	5517301	<0.1	2.2	1.3	0.6	0.2	<0.5
PM1JC384	652300	5517304	<0.1	2.4	1.2	0.6	0.2	<0.5
PM1JC385	651376	5517900	<0.1	3.3	0.9	0.6	0.2	<0.5
PM1JC386	651352	5517898	<0.1	2.1	1.6	0.7	0.2	<0.5
PM1JC387	651325	5517899	<0.1	1.6	1.1	0.5	0.1	<0.5
PM1JC388	651300	5517898	<0.1	1.5	<0.5	0.5	0.2	<0.5
PM1JC389	651276	5517898	<0.1	2.1	1.8	0.5	0.1	<0.5
PM1JC390	651252	5517902	<0.1	1.7	<0.5	0.4	0.2	<0.5
PM1JC391	651225	5517897	<0.1	1.6	1	0.4	0.1	<0.5
PM1JC392	651203	5517899	<0.1	2.1	<0.5	0.4	0.2	<0.5
PM1JC393	651173	5517904	<0.1	2.2	<0.5	0.5	0.2	<0.5
PM1JC394	651151	5517899	<0.1	1.1	0.8	0.3	0.2	<0.5
PM1JC395	651126	5517901	<0.1	1.3	<0.5	0.3	0.1	<0.5
PM1JC396	651099	5517902	<0.1	1.2	2.5	0.4	0.2	<0.5
PM1JC397	651077	5517899	<0.1	2	<0.5	0.6	<0.1	<0.5
PM1JC398	651050	5517900	<0.1	2.1	<0.5	0.4	0.1	<0.5
PM1JC399	651027	5517899	0.1	2.6	1.6	0.4	0.1	<0.5
PM1JC400	651000	5517903	<0.1	2.8	<0.5	0.5	0.2	<0.5
PM1JC401	650977	5517902	<0.1	2.8	1.5	0.6	0.2	<0.5
PM1JC402	650952	5517899	<0.1	3.4	0.8	0.7	0.2	<0.5
PM1JC403	650926	5517899	<0.1	1.9	4.7	0.4	0.2	<0.5
PM1JC404	650899	5517898	<0.1	2	<0.5	0.4	0.2	<0.5
PM1JC405	650875	5517899	<0.1	1.9	0.9	0.4	0.2	<0.5
PM1JC406	650848	5517903	<0.1	2.5	<0.5	0.7	0.2	<0.5
PM1JC407	650824	5517896	<0.1	2.1	1.6	0.5	0.2	<0.5
PM1JC408	650800	5517896	<0.1	5.7	2.2	0.6	0.3	<0.5
PM1JC409	650778	5517898	<0.1	5.2	2.7	0.6	0.4	<0.5
PM1JC410	650751	5517901	<0.1	2.2	1.2	0.7	0.2	<0.5
PM1JC411	650726	5517898	<0.1	2.5	1.6	0.7	0.2	<0.5
PM1JC412	650700	5517896	<0.1	2.4	2.6	0.6	0.2	<0.5
PM1JC413	652177	5518501	<0.1	1.8	1.3	0.6	0.2	<0.5
PM1JC414	652152	5518504	<0.1	2	1.2	0.6	0.2	<0.5
PM1JC415	652122	5518500	0.4	3.6	2	0.7	0.3	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC416	652276	5518501	0.1	1.7	2.4	0.5	0.2	<0.5
PM1JC417	652251	5518498	<0.1	0.8	7	0.4	0.2	<0.5
PM1JC418	652227	5518502	<0.1	1.3	1.6	0.7	0.2	<0.5
PM1JC419	652199	5518500	<0.1	1.8	0.7	0.6	0.2	<0.5
PM1JC420	652098	5518496	<0.1	1.4	1.2	0.5	0.2	<0.5
PM1JC421	652071	5518504	<0.1	1.6	0.7	0.7	0.1	<0.5
PM1JC422	652050	5518500	<0.1	1.1	2	0.6	0.1	<0.5
PM1JC423	652025	5518499	<0.1	2.1	1	0.6	0.2	<0.5
PM1JC424	651997	5518503	<0.1	2	0.8	0.7	0.2	<0.5
PM1JC425	651974	5518502	<0.1	1.9	1.5	0.6	0.1	<0.5
PM1JC426	651951	5518500	<0.1	2.1	4.1	0.6	0.2	<0.5
PM1JC427	651926	5518501	<0.1	2	0.9	0.6	0.1	<0.5
PM1JC428	651900	5518500	<0.1	2	1.4	0.6	0.1	<0.5
PM1JC429	651875	5518500	<0.1	2.3	3.1	0.6	0.2	<0.5
PM1JC430	651849	5518497	<0.1	1.6	0.8	0.8	0.2	<0.5
PM1JC431	651826	5518503	<0.1	2.3	2.1	0.7	0.2	<0.5
PM1JC432	651799	5518501	<0.1	2.2	1	0.7	0.2	<0.5
PM1JC433	651773	5518503	<0.1	2.3	1.8	0.7	0.2	<0.5
PM1JC434	651748	5518500	<0.1	2.4	0.8	0.7	0.2	<0.5
PM1JC435	651724	5518500	<0.1	2.4	4.1	0.7	0.2	<0.5
PM1JC436	651702	5518500	<0.1	2.2	1.5	0.7	0.2	<0.5
PM1JC437	651674	5518502	<0.1	2.3	1	0.7	0.2	<0.5
PM1JC438	651651	5518504	<0.1	2.4	0.8	0.7	0.2	<0.5
PM1JC439	651624	5518502	<0.1	2.5	0.7	0.8	0.2	<0.5
PM1JC440	651600	5518498	<0.1	2.5	1.2	0.7	0.2	<0.5
PM1JC441	651575	5518501	<0.1	2.3	1.7	0.7	0.2	<0.5
PM1JC442	651551	5518502	<0.1	2.2	0.7	0.9	0.2	<0.5
PM1JC443	651524	5518502	<0.1	1.5	6.8	0.7	0.2	<0.5
PM1JC444	651501	5518498	<0.1	1.2	0.6	0.8	0.2	<0.5
PM1JC445	651474	5518498	<0.1	1.3	0.8	0.6	0.2	0.8
PM1JC446	651450	5518500	<0.1	1.1	4.2	0.6	0.2	0.7
PM1JC447	651425	5518497	<0.1	0.8	1.7	0.6	0.2	<0.5
PM1JC448	651401	5518501	<0.1	1.1	1.7	0.7	0.2	1.1
no sample	653196	5517800						
PM1JC449	653173	5517801	<0.1	1.1	1.5	0.5	0.2	<0.5
PM1JC450	653148	5517800	<0.1	1.3	0.8	0.4	0.2	<0.5
PM1JC451	653127	5517797	<0.1	0.7	1.5	0.5	0.2	<0.5
no sample	653101	5517797						
no sample	653076	5517797						
no sample	653048	5517799						
no sample	653024	5517798						
no sample	653025	5517901						
PM1JC452	653051	5517904	0.1	3.2	0.8	0.7	0.2	1.1
PM1JC453	653075	5517903	<0.1	3.3	<0.5	0.7	0.2	0.5
PM1JC454	653099	5517901	<0.1	2.9	1.3	0.6	0.2	0.8



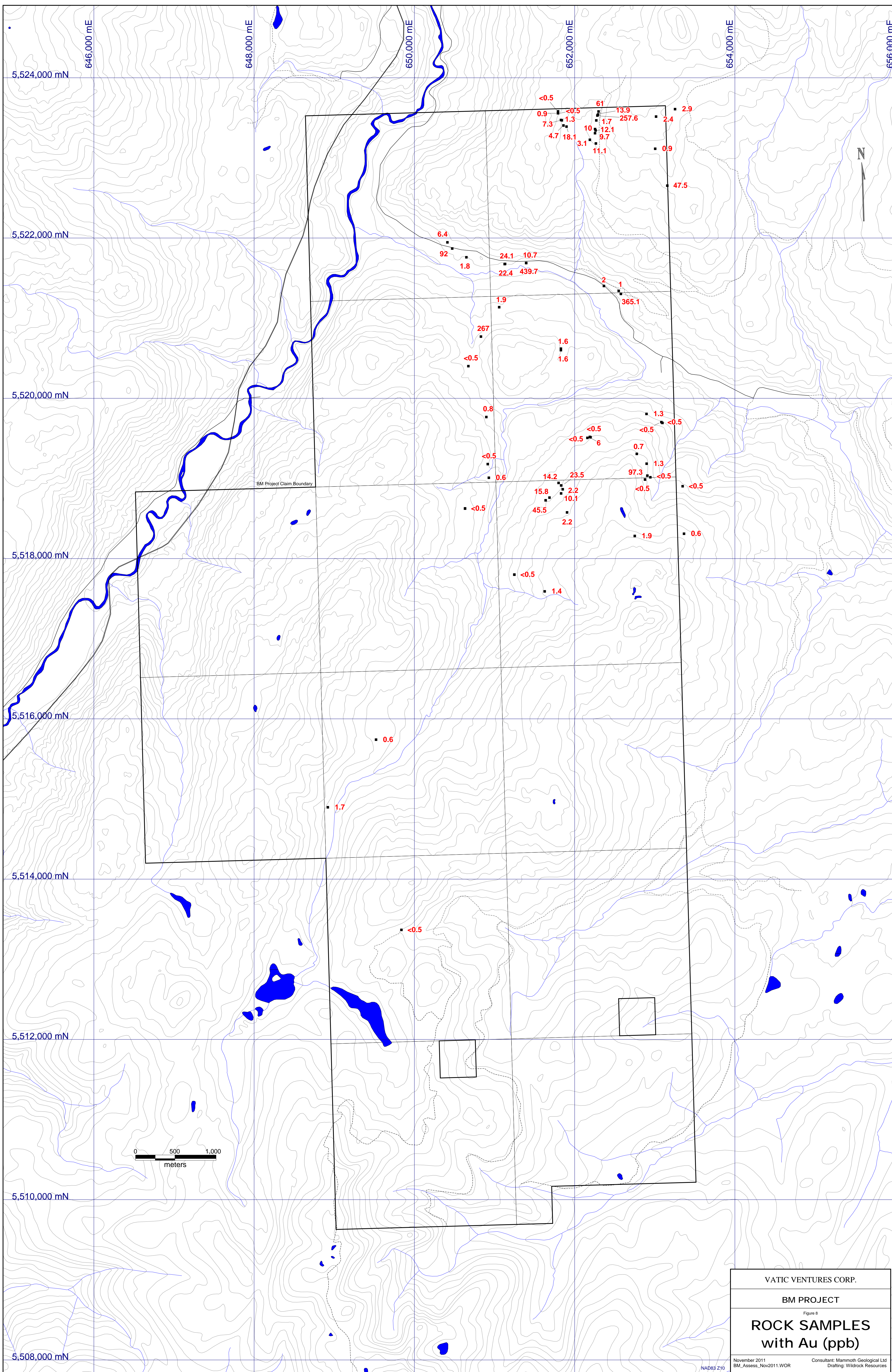
## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC455	653127	5517903	0.1	2.9	0.8	0.6	0.2	<0.5
PM1JC456	653150	5517902	<0.1	1.2	0.7	0.6	0.2	<0.5
PM1JC457	653175	5517902	<0.1	0.9	3.3	0.5	0.2	<0.5
PM1JC458	653202	5517900	<0.1	1.1	<0.5	0.6	0.2	<0.5
PM1JC459	653050	5519200	<0.1	2.7	23.5	0.6	0.3	<0.5
PM1JC460	653075	5519205	<0.1	2.4	3.6	0.4	0.2	<0.5
PM1JC461	653098	5519201	<0.1	1.9	2.6	0.4	0.2	<0.5
PM1JC462	653125	5519201	<0.1	2.1	1.2	0.5	0.3	0.7
PM1JC463	653148	5519203	<0.1	1.8	0.9	0.5	0.2	<0.5
PM1JC464	653174	5519194	<0.1	2	<0.5	0.6	0.2	<0.5
PM1JC465	653190	5519201	<0.1	1.5	1.6	0.6	0.2	<0.5
PM1JC466	652898	5519803	<0.1	5.7	1.9	0.7	0.3	<0.5
no sample	652927	5519802						
no sample	652948	5519797						
no sample	652975	5519804						
PM1JC467	652875	5519801	<0.1	5.7	1.1	0.6	0.3	<0.5
PM1JC468	652851	5519801	0.1	6.2	24.5	0.7	0.3	<0.5
PM1JC469	652825	5519800	<0.1	5.5	1.5	0.7	0.4	<0.5
PM1JC470	652801	5519802	0.1	5.9	1.1	0.7	0.3	<0.5
PM1JC471	652775	5519800	0.1	6.5	2.2	0.7	0.3	0.6
PM1JC472	650801	5518902	<0.1	5.8	2.1	0.8	0.3	0.6
PM1JC473	650775	5518900	<0.1	2.3	1.7	0.5	0.2	<0.5
PM1JC474	650750	5518902	<0.1	2.3	<0.5	0.6	0.2	<0.5
PM1JC475	650726	5518897	<0.1	2.4	1.3	0.5	0.3	<0.5
PM1JC476	650701	5518899	<0.1	1.9	1.1	0.6	0.2	0.5
PM1JC477			<0.1	2.7	0.7	0.5	0.2	<0.5
PM1JC478	651475	5517300	<0.1	2.4	1	0.6	0.2	<0.5
PM1JC479	651452	5517299	<0.1	2.2	1.6	0.5	0.3	<0.5
PM1JC480	651426	5517300	<0.1	2.3	0.9	0.8	0.2	<0.5
PM1JC481	651399	5517302	<0.1	2.6	1.4	0.9	0.2	<0.5
PM1JC482	651374	5517297	<0.1	2.7	<0.5	0.9	0.2	<0.5
PM1JC483	651351	5517301	<0.1	2.9	0.8	0.9	0.2	<0.5
PM1JC484	651326	5517299	<0.1	2.9	0.9	0.9	0.2	<0.5
PM1JC485	651302	5517298	0.2	2.2	2	0.5	0.2	<0.5
PM1JC486	651275	5517299	0.2	2.3	1.7	0.5	0.2	<0.5
PM1JC487	651250	5517299	0.2	2.1	1.2	0.5	0.2	<0.5
PM1JC488	651225	5517299	0.2	2.4	1.5	0.5	0.2	<0.5
PM1JC489	651201	5517298	<0.1	2.5	0.7	0.5	0.1	<0.5
PM1JC490	651175	5517298	<0.1	2.5	<0.5	0.5	0.1	<0.5
PM1JC491	651152	5517300	<0.1	2.3	<0.5	0.5	0.1	<0.5
PM1JC492	651124	5517297	<0.1	2.4	1.1	0.5	0.2	<0.5
PM1JC493	651100	5517299	<0.1	2.7	<0.5	0.6	0.2	<0.5
PM1JC494	651075	5517299	<0.1	2.8	0.6	0.7	0.2	<0.5
PM1JC495	651049	5517301	0.1	2.7	1	0.7	0.2	<0.5
PM1JC496	651026	5517298	0.1	2.9	<0.5	0.8	0.1	<0.5

## 2011 GRID SOIL SAMPLES

Sample	83Z10E	83Z10N	ppm Ag	ppm As	ppb Au	ppm Mo	ppm Sb	ppm Se
PM1JC497	651000	5517299	<0.1	1.7	<0.5	0.4	0.2	<0.5
PM1JC498	650977	5517300	0.1	1.7	0.6	0.5	0.3	<0.5
PM1JC499	650949	5517298	0.1	1.6	<0.5	0.5	0.2	<0.5
PM1JC500	650922	5517297	0.1	1.4	<0.5	0.4	0.2	<0.5
PM1JC501	650896	5517298	<0.1	4.1	0.7	0.6	0.3	<0.5
PM1JC502	650878	5517300	0.1	4.2	1	0.7	0.3	<0.5
PM1JC503	650854	5517292	0.2	4.3	1	0.7	0.3	<0.5
PM1JC504	650826	5517302	0.2	3.7	1.6	0.7	0.3	<0.5
PM1JC505	650799	5517300	0.2	3.7	<0.5	0.6	0.3	<0.5
PM1JC506	650775	5517298	0.2	3.5	<0.5	0.7	0.3	<0.5
PM1JC507	650748	5517303	0.1	4	1.3	0.6	0.3	<0.5
PM1JC508	650727	5517309	0.1	4.5	<0.5	0.7	0.3	<0.5
PM1JC509	650696	5517299	<0.1	2	<0.5	0.5	0.1	<0.5
PM1JC510	651351	5518201	<0.1	2.8	1.1	0.7	0.2	0.5
PM1JC511	651326	5518200	<0.1	2.7	4.7	0.7	0.2	<0.5
PM1JC512	651301	5518201	<0.1	1.1	0.6	0.3	0.1	<0.5
PM1JC513	651276	5518201	<0.1	1.5	66.1	0.3	0.2	<0.5
PM1JC514	651251	5518200	<0.1	1.5	<0.5	0.4	0.2	<0.5
PM1JC515	651226	5518201	<0.1	1.4	1.7	0.3	0.2	<0.5
PM1JC516	651201	5518202	<0.1	2	0.9	0.4	0.2	<0.5
PM1JC517	651174	5518200	<0.1	1.9	<0.5	0.4	0.2	<0.5
PM1JC518	651151	5518201	<0.1	1.8	2.9	0.3	0.1	<0.5
PM1JC519	651126	5518200	<0.1	2.3	1.6	0.4	0.2	<0.5
PM1JC520	651101	5518202	<0.1	1.6	1.6	0.3	0.1	<0.5
PM1JC521	651074	5518201	<0.1	1.6	<0.5	0.3	0.1	<0.5
PM1JC522	651051	5518201	<0.1	1.6	<0.5	0.4	0.1	<0.5
PM1JC523	651026	5518201	<0.1	2.1	<0.5	0.4	0.2	<0.5
PM1JC524	651000	5518200	<0.1	2.8	2.2	0.6	0.2	<0.5
PM1JC525	650974	5518202	<0.1	2.9	3	0.8	0.2	0.5
PM1JC526	650951	5518201	<0.1	2.4	2	0.4	0.1	0.7
PM1JC527	650926	5518202	<0.1	2.3	7.3	0.5	0.2	<0.5
PM1JC528	650900	5518200	<0.1	2.4	<0.5	0.4	0.1	<0.5
PM1JC529	650876	5518200	<0.1	2.1	1.3	0.5	0.1	<0.5
PM1JC530	650855	5518201	<0.1	2.7	0.7	0.4	0.1	<0.5
PM1JC531	650825	5518201	<0.1	2.6	0.8	0.4	0.1	<0.5
PM1JC532	650801	5518200	<0.1	2.7	0.9	0.4	0.1	<0.5
PM1JC533	650776	5518201	<0.1	2.9	<0.5	0.4	0.1	<0.5
PM1JC534	650751	5518201	<0.1	3	<0.5	0.4	0.1	<0.5
PM1JC535	650726	5518200	<0.1	2.9	<0.5	0.4	0.1	<0.5
PM1JC536	650701	5518201	<0.1	3	<0.5	0.4	0.1	<0.5

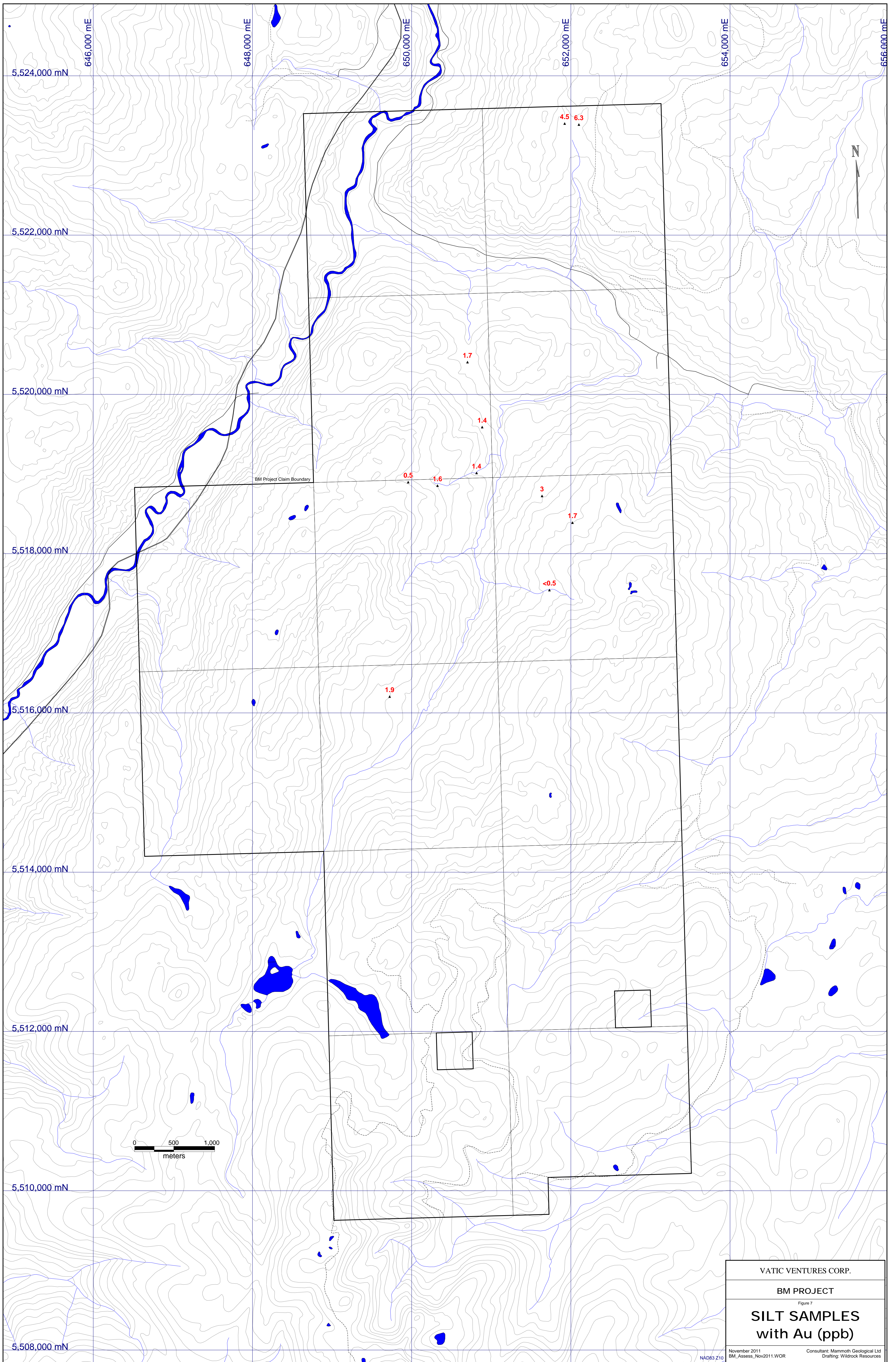




VATIC VENTURES CORP.
BM PROJECT
Figure 8
<b>ROCK SAMPLES with Au (ppb)</b>
November 2011 BM_Assess_Nov2011.WOR
Consultant: Mammoth Geological Ltd Drafting: Wildrock Resources

NAD83 210

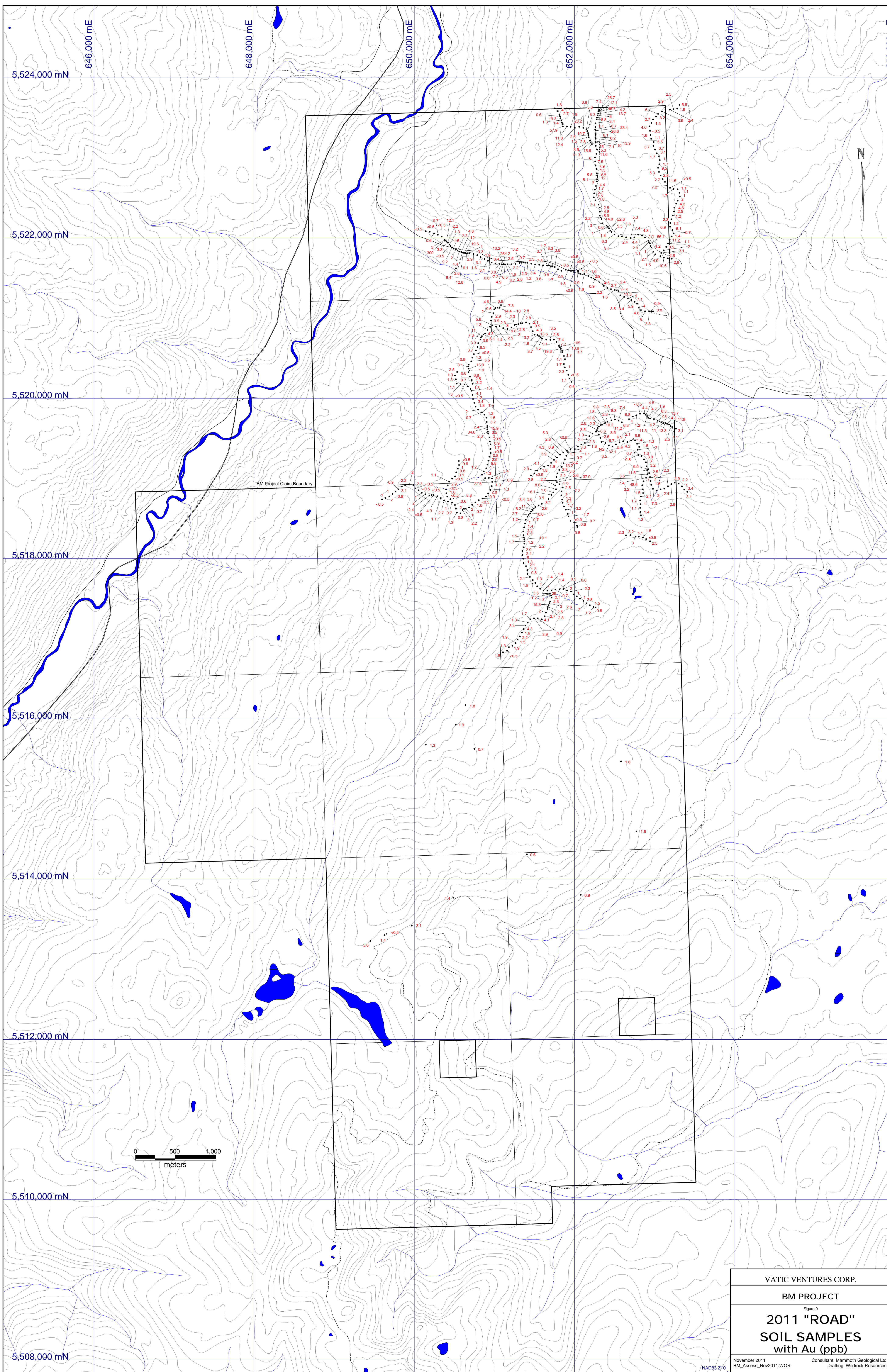




VATIC VENTURES CORP.
BM PROJECT
Figure 7
<b>SILT SAMPLES with Au (ppb)</b>
November 2011 BM_Assess_Nov2011.WOR
Consultant: Mammoth Geological Ltd Drafting: Wildrock Resources

NAD83 Z10

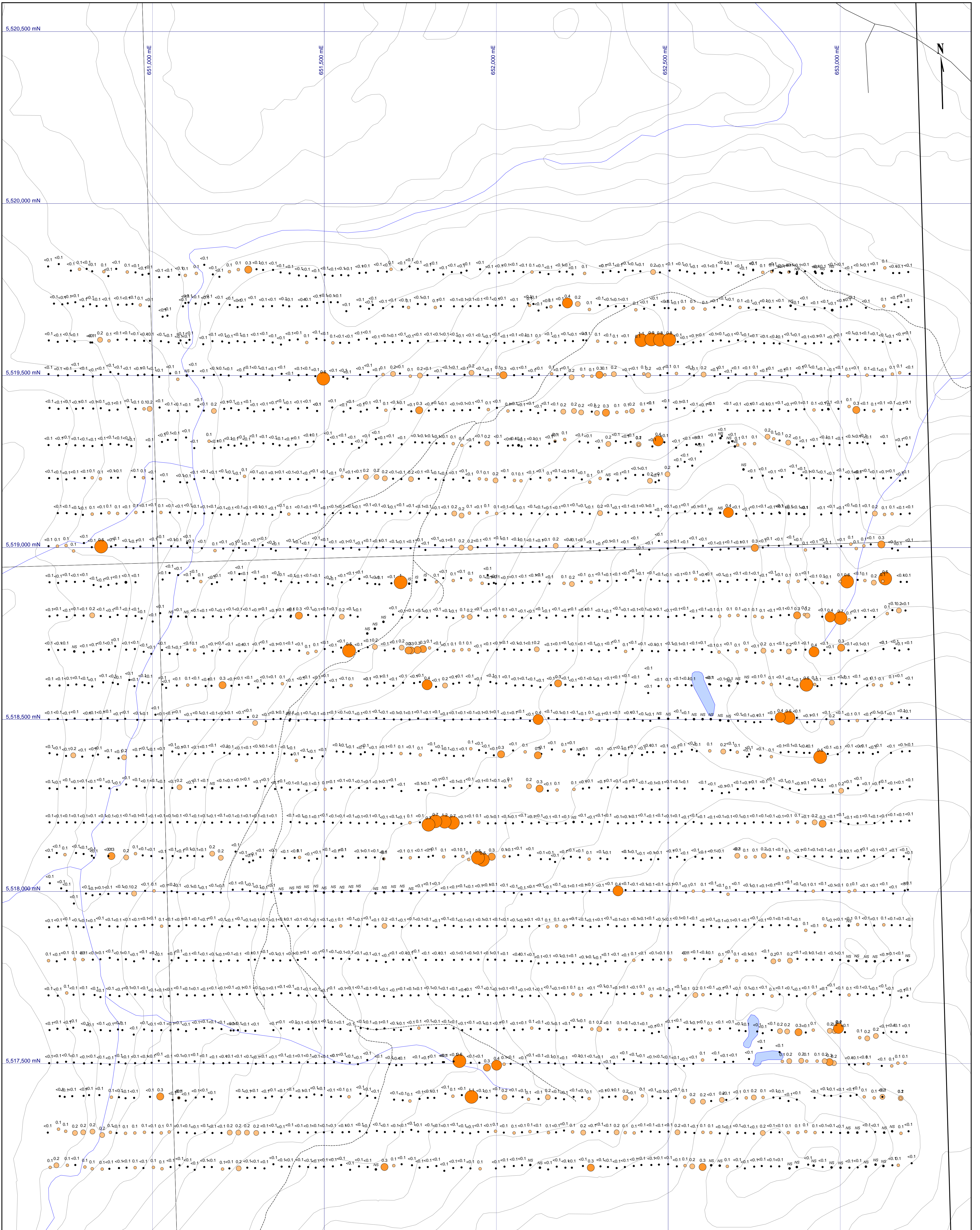




VATIC VENTURES CORP.
BM PROJECT
Figure 9
<b>2011 "ROAD"</b>
<b>SOIL SAMPLES</b>
<b>with Au (ppb)</b>
November 2011 BM_Assess_Nov2011.WOR
Consultant: Mammoth Geological Ltd Drafting: Wildrock Resources

NAD83 210





VATIC VENTURES CORP.

BM PROJECT

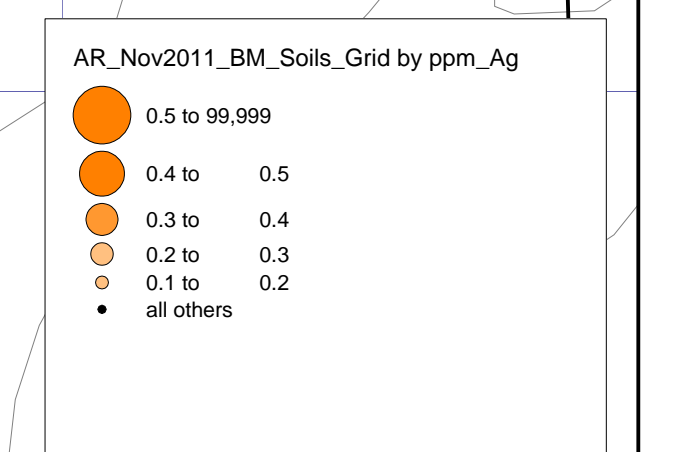
Figure 11

**SOIL SAMPLES  
with Ag (ppm)**

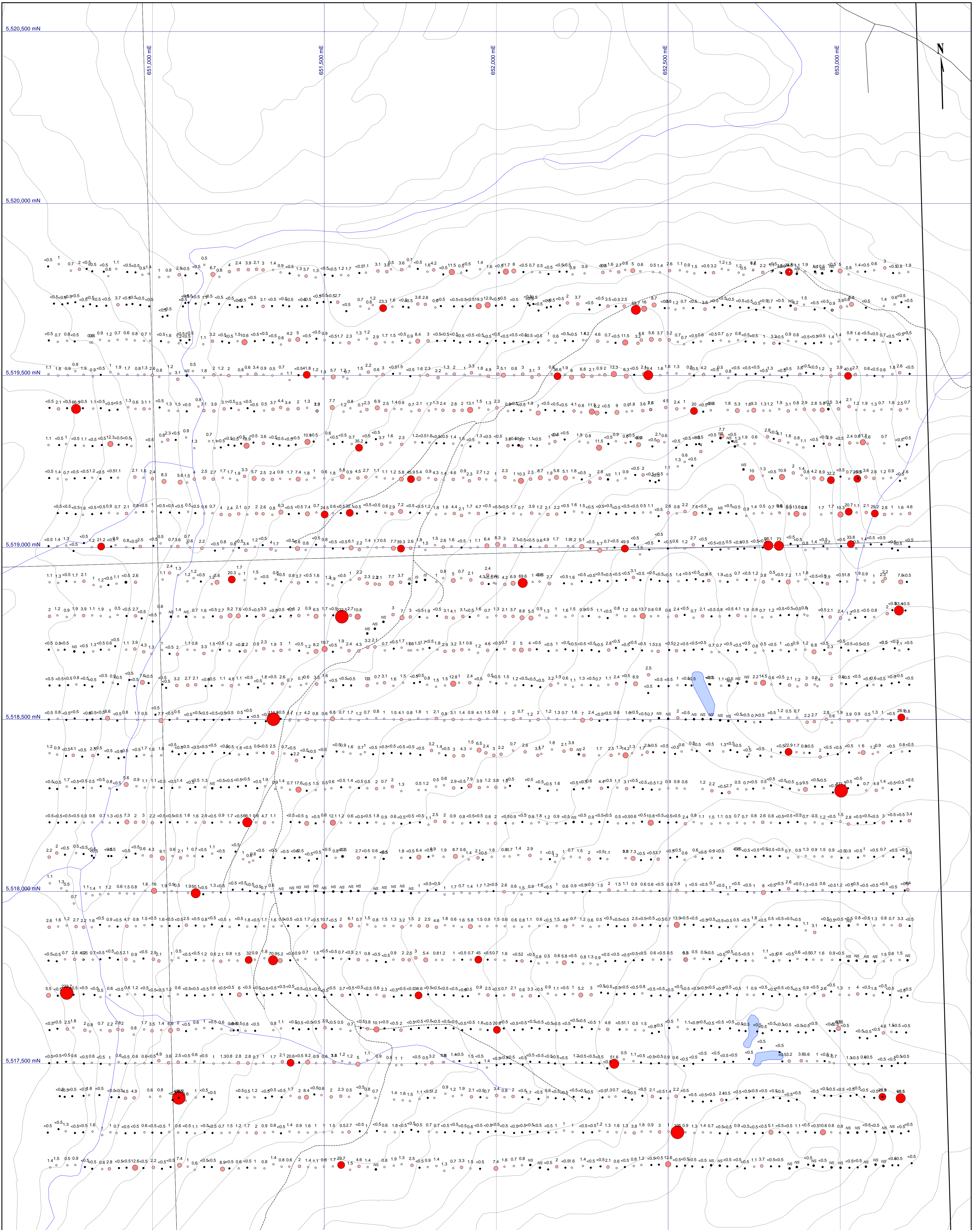
November 2011  
BM\_Assess\_Nov2011.WOR

Consultant: Mammoth Geological Ltd  
Drafting: Wildrock Resources

NAD83 210





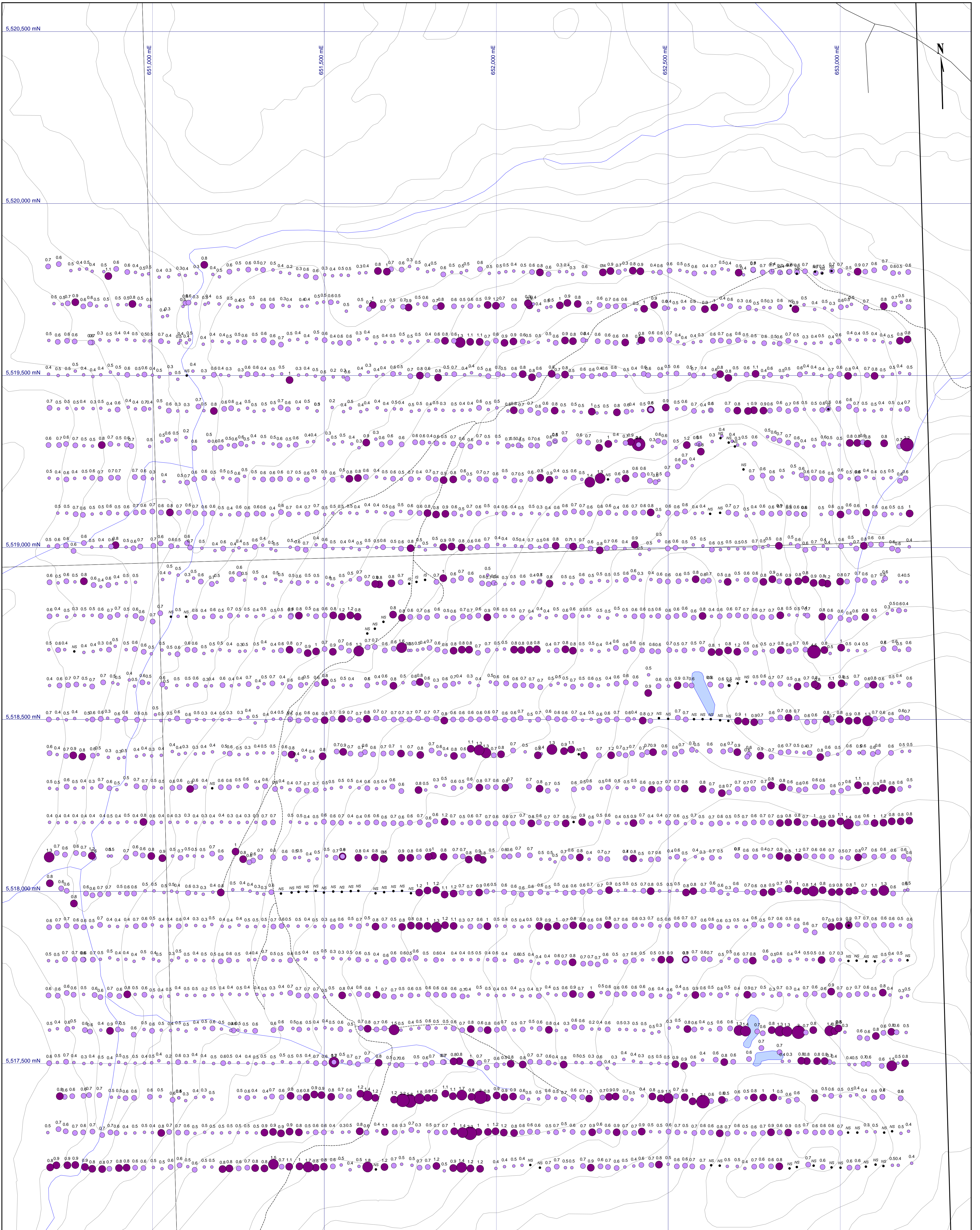


VATIC VENTURES CORP.	
BM PROJECT	
Figure 10	
<b>SOIL SAMPLES with Au (ppb)</b>	
November 2011 BM_Assess_Nov2011.WOR	Consultant: Mammoth Geological Ltd Drafting: Wildrock Resources
NAD83 210	

AR\_Nov2011\_BM\_Soils\_Grid by ppb\_Au

- 100 to 99,999
- 50 to 100
- 20 to 50
- 10 to 20
- 5 to 10
- 2 to 5
- 0.5 to 2
- all others





VATIC VENTURES CORP.

BM PROJECT

Figure 12

**SOIL SAMPLES  
with Mo (ppm)**

November 2011  
BM\_Assess\_Nov2011.WOR

Consultant: Mammoth Geological Ltd  
Drafting: Wildrock Resources

NAD83 210

AR\_Nov2011\_BM\_Soils\_Grid by ppm\_Mo

- 2 to 99,999
- 1.25 to 2
- 0.8 to 1.25
- 0.6 to 0.8
- 0.2 to 0.6





VATIC VENTURES CORP.

BM PROJECT

Figure 13

**SOIL SAMPLES  
with Sb (ppm)**

November 2011  
BM\_Assess\_Nov2011.WOR

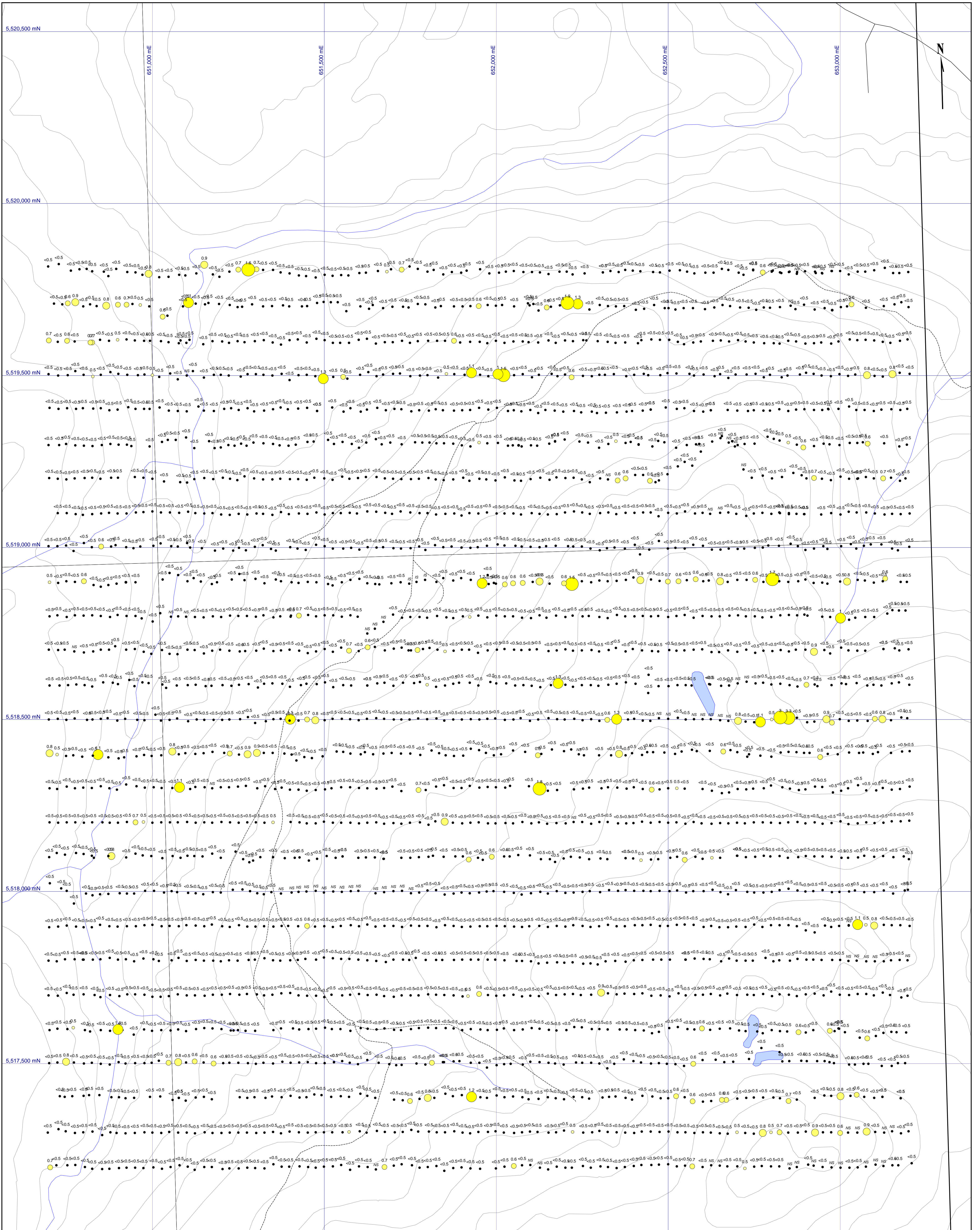
Consultant: Mammoth Geological Ltd  
Drafting: Wildrock Resources

NAD83 210

AR\_Nov2011\_BM\_Soils\_Grid by ppm\_Sb

- 0.5 to 99,999
- 0.4 to 0.5
- 0.3 to 0.4
- 0.2 to 0.3
- 0.1 to 0.2
- all others





<p>VATIC VENTURES CORP.</p> <p>BM PROJECT</p> <p>Figure 14</p> <p><b>SOIL SAMPLES with Se (ppm)</b></p> <p>November 2011 BM_Assess_Nov2011.WOR</p> <p>Consultant: Mammoth Geological Ltd Drafting: Wildrock Resources</p> <p>NAD83 210</p>	<p>AR_Nov2011_BM_Soils_Grid by ppm_Se</p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border-radius: 50%;"></span> 1.5 to 99.999</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border-radius: 50%;"></span> 1 to 1.5</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightyellow; border-radius: 50%;"></span> 0.75 to 1</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellowgreen; border-radius: 50%;"></span> 0.6 to 0.75</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: lightgreen; border-radius: 50%;"></span> 0.5 to 0.6</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: black; border-radius: 50%;"></span> all others</li> </ul>
--	--



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.
2446 Bidston Road
Bill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 06, 2011
Report Date: June 18, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

VAN11002355.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: 2011-01
P.O. Number
Number of Samples: 274

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
Bill Bay BC V0R 2P4
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains 3 rows of sample preparation data.

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





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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	0.1	2	0.01	0.001	1
MK11-01	Soil	0.5	12.2	5.3	58	0.1	8.2	5.3	315	1.85	3.0	2.8	0.9	34	<0.1	0.2	0.1	48	0.22	0.062	7
MK11-02	Soil	0.4	11.1	5.6	55	<0.1	7.1	5.4	370	1.88	2.8	<0.5	0.8	56	<0.1	0.2	0.1	56	0.36	0.064	6
MK11-03	Soil	0.5	17.8	4.7	45	<0.1	8.6	7.1	430	2.55	6.6	2.9	1.3	122	<0.1	0.5	0.1	76	0.60	0.058	11
MK11-04	Soil	0.6	20.1	5.8	54	<0.1	10.4	8.2	599	2.60	6.2	1.8	1.4	87	<0.1	0.4	<0.1	71	0.53	0.062	11
MK11-05	Soil	0.6	25.1	5.8	53	<0.1	11.5	9.6	663	3.02	7.2	4.1	1.5	111	<0.1	0.5	0.1	85	0.72	0.076	13
MK11-06	Soil	0.6	18.0	6.0	54	<0.1	8.9	8.3	609	2.79	6.5	1.9	1.4	110	<0.1	0.4	<0.1	84	0.66	0.054	16
MK11-07	Soil	0.6	12.6	4.7	40	<0.1	7.0	5.8	414	2.17	3.9	4.0	1.1	71	<0.1	0.4	<0.1	64	0.42	0.034	10
MK11-08	Soil	0.8	15.9	4.8	45	<0.1	8.1	6.0	403	2.25	4.8	3.9	1.2	45	<0.1	0.4	<0.1	59	0.28	0.041	11
MK11-09	Soil	0.6	8.1	5.9	54	<0.1	6.4	4.2	785	1.54	3.1	4.3	0.8	24	<0.1	0.2	0.1	35	0.21	0.069	5
MK11-10	Soil	0.5	13.0	5.6	53	<0.1	8.2	5.2	413	2.04	2.4	0.9	1.1	30	<0.1	0.3	0.1	56	0.23	0.048	6
MK11-11	Soil	0.8	18.9	6.1	55	<0.1	10.3	7.4	498	2.56	4.9	2.8	1.6	60	<0.1	0.4	0.1	65	0.35	0.061	12
MK11-12	Soil	0.8	15.2	5.5	48	<0.1	7.9	5.9	344	2.53	5.5	5.3	1.2	54	<0.1	0.5	0.1	71	0.34	0.047	8
MK11-13	Soil	0.3	6.3	6.8	66	<0.1	5.5	3.6	690	1.59	1.7	<0.5	0.9	52	<0.1	0.1	0.1	32	0.31	0.105	5
MK11-14	Soil	0.5	24.8	5.5	52	0.2	10.7	6.0	687	2.26	4.1	2.0	1.4	69	<0.1	0.3	0.1	45	0.57	0.035	38
MK11-15	Soil	0.6	29.8	7.1	72	0.3	12.8	9.1	693	2.89	5.8	3.3	1.9	99	0.1	0.5	0.1	68	0.59	0.036	27
MK11-16	Soil	0.7	23.2	6.0	71	<0.1	6.2	14.0	759	4.35	8.6	1.8	1.7	136	<0.1	0.5	<0.1	155	1.44	0.102	15
MK11-17	Soil	0.6	18.6	6.0	66	<0.1	8.2	10.4	570	3.16	5.8	2.3	1.6	150	0.1	0.4	0.1	100	0.84	0.073	12
MK11-18	Soil	0.7	15.6	7.2	78	<0.1	6.9	8.4	1096	2.46	4.2	2.1	1.2	108	0.2	0.3	<0.1	84	0.72	0.092	9
MK11-19	Soil	0.7	18.6	7.0	64	0.1	8.8	8.8	678	2.94	5.7	1.3	1.5	109	0.1	0.5	0.1	82	0.72	0.122	12
MK11-20	Soil	0.7	14.7	7.6	67	0.2	7.1	7.5	1134	2.21	10.7	3.5	0.8	114	0.1	0.4	0.1	66	0.77	0.118	8
MK11-21	Soil	0.9	15.4	5.3	54	<0.1	10.1	5.8	282	2.50	4.2	8.6	1.2	35	<0.1	0.4	0.1	67	0.28	0.035	9
MK11-22	Soil	0.9	21.3	5.9	50	<0.1	9.9	6.7	349	2.88	6.5	11.2	1.7	39	<0.1	0.4	<0.1	69	0.35	0.063	13
MK11-23	Soil	0.8	21.1	5.5	49	<0.1	8.8	6.0	325	2.61	6.7	12.6	1.6	48	<0.1	0.6	<0.1	67	0.37	0.047	16
MK11-24	Soil	0.7	14.1	5.6	61	0.1	8.6	5.4	384	2.14	3.9	10.2	1.0	32	<0.1	0.3	0.1	59	0.30	0.026	9
MK11-25	Soil	0.9	17.8	5.6	48	<0.1	8.1	6.0	360	2.50	5.7	3.3	1.3	40	<0.1	0.5	0.1	67	0.32	0.032	12
MK11-26	Soil	1.0	19.6	5.7	48	<0.1	8.8	6.8	647	2.56	6.3	2.3	1.3	54	0.1	0.5	<0.1	67	0.41	0.062	14
MK11-27	Soil	0.9	22.0	5.3	49	<0.1	10.0	6.4	388	2.73	6.7	8.3	1.7	52	<0.1	0.5	0.1	68	0.42	0.063	14
MK11-28	Soil	0.9	18.6	4.9	43	<0.1	8.7	6.5	314	2.64	6.3	7.4	1.3	45	<0.1	0.4	<0.1	76	0.36	0.030	11
MK11-29	Soil	0.9	14.7	6.8	47	0.2	8.2	6.7	888	2.31	5.6	6.3	1.4	49	<0.1	0.4	0.1	57	0.45	0.062	14
MK11-30	Soil	0.8	16.2	5.4	45	<0.1	7.4	5.7	384	2.42	5.2	4.0	1.6	40	<0.1	0.5	<0.1	66	0.32	0.048	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 2 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-01	Soil	11	0.28	121	0.083	2	1.59	0.013	0.08	<0.1	<0.01	2.2	<0.1	0.10	5	0.7	<0.2
MK11-02	Soil	11	0.30	120	0.108	1	1.45	0.017	0.10	<0.1	<0.01	2.1	<0.1	0.08	5	0.5	<0.2
MK11-03	Soil	16	0.46	112	0.146	2	1.49	0.030	0.07	<0.1	0.02	4.6	<0.1	0.08	5	0.6	<0.2
MK11-04	Soil	16	0.49	127	0.121	1	1.57	0.017	0.11	<0.1	0.02	4.6	<0.1	0.06	5	<0.5	<0.2
MK11-05	Soil	16	0.62	125	0.145	1	1.88	0.032	0.09	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
MK11-06	Soil	15	0.50	168	0.164	1	1.64	0.028	0.10	<0.1	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
MK11-07	Soil	13	0.35	137	0.128	1	1.14	0.022	0.08	<0.1	<0.01	3.6	<0.1	0.06	4	0.7	<0.2
MK11-08	Soil	13	0.35	115	0.080	2	1.22	0.012	0.07	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-09	Soil	9	0.22	133	0.054	2	1.36	0.010	0.08	0.1	0.02	1.3	<0.1	0.06	4	<0.5	<0.2
MK11-10	Soil	14	0.30	157	0.079	<1	1.55	0.011	0.07	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
MK11-11	Soil	16	0.45	140	0.103	1	1.70	0.018	0.09	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-12	Soil	13	0.35	114	0.116	<1	1.35	0.015	0.08	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
MK11-13	Soil	7	0.22	111	0.122	1	1.90	0.018	0.06	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	<0.2
MK11-14	Soil	16	0.40	191	0.063	3	2.22	0.019	0.10	<0.1	0.04	7.2	<0.1	<0.05	6	0.8	<0.2
MK11-15	Soil	18	0.55	253	0.107	<1	2.66	0.089	0.21	<0.1	0.05	9.1	<0.1	<0.05	8	<0.5	<0.2
MK11-16	Soil	6	0.83	137	0.492	1	4.14	0.041	0.10	0.1	0.02	10.1	<0.1	<0.05	12	<0.5	<0.2
MK11-17	Soil	10	0.58	144	0.170	1	2.42	0.094	0.18	<0.1	0.02	6.7	<0.1	<0.05	7	<0.5	<0.2
MK11-18	Soil	8	0.40	163	0.251	<1	2.23	0.034	0.13	<0.1	0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
MK11-19	Soil	8	0.48	117	0.233	2	3.10	0.017	0.10	0.2	0.02	4.7	0.1	<0.05	11	<0.5	<0.2
MK11-20	Soil	8	0.34	135	0.193	1	2.67	0.020	0.15	0.1	0.05	3.4	<0.1	<0.05	9	0.6	<0.2
MK11-21	Soil	16	0.41	124	0.097	2	1.34	0.021	0.07	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-22	Soil	17	0.46	135	0.085	<1	1.47	0.024	0.08	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-23	Soil	14	0.44	115	0.097	<1	1.25	0.033	0.09	<0.1	0.02	4.3	<0.1	<0.05	4	0.6	<0.2
MK11-24	Soil	15	0.36	119	0.094	<1	1.26	0.014	0.07	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-25	Soil	14	0.38	118	0.092	<1	1.15	0.014	0.08	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	0.2
MK11-26	Soil	16	0.38	139	0.089	<1	1.15	0.016	0.10	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
MK11-27	Soil	19	0.43	138	0.097	<1	1.46	0.020	0.10	<0.1	<0.01	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-28	Soil	18	0.44	90	0.106	<1	1.32	0.021	0.08	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
MK11-29	Soil	15	0.38	160	0.075	1	1.30	0.016	0.09	0.1	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
MK11-30	Soil	13	0.35	98	0.081	<1	1.15	0.031	0.08	<0.1	<0.01	3.1	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-31	Soil		0.9	19.0	6.6	47	<0.1	7.7	7.8	527	2.73	9.5	6.8	1.8	49	<0.1	0.7	<0.1	71	0.50	0.035	12
MK11-32	Soil		0.7	30.3	7.8	57	<0.1	11.1	9.8	809	3.04	8.9	1.2	1.8	99	0.1	0.6	0.1	77	0.68	0.063	13
MK11-33	Soil		0.8	14.6	5.1	45	<0.1	7.6	5.5	275	2.52	5.0	<0.5	1.1	38	<0.1	0.5	<0.1	74	0.28	0.025	8
MK11-34	Soil		0.8	19.9	6.5	39	<0.1	9.1	8.5	746	2.39	6.3	4.4	1.7	58	<0.1	0.4	<0.1	67	0.52	0.061	15
MK11-35	Soil		0.8	18.9	5.5	46	<0.1	9.0	7.0	576	2.46	5.3	11.3	1.4	47	<0.1	0.5	<0.1	69	0.42	0.046	13
MK11-36	Soil		0.9	16.6	6.2	43	<0.1	7.6	6.5	377	2.68	4.0	1.9	1.6	34	0.1	0.4	<0.1	65	0.38	0.040	10
MK11-37	Soil		1.1	16.7	5.8	36	<0.1	7.9	6.7	733	2.46	5.8	8.3	1.6	40	<0.1	0.5	<0.1	66	0.42	0.043	15
MK11-38	Soil		0.6	15.4	5.7	39	0.2	7.5	6.5	404	2.72	4.8	2.6	1.6	40	<0.1	0.4	<0.1	67	0.51	0.036	10
MK11-39	Soil		1.5	18.6	6.4	38	<0.1	8.0	7.1	670	2.61	22.8	13.7	1.8	54	<0.1	0.5	0.1	76	0.62	0.073	13
MK11-40	Soil		1.0	30.6	7.1	50	<0.1	9.2	8.0	575	3.05	8.1	13.3	1.9	58	<0.1	0.6	<0.1	65	0.51	0.064	14
MK11-41	Soil		0.8	19.6	5.5	45	<0.1	8.5	6.7	315	2.77	4.8	11.9	1.5	30	<0.1	0.4	<0.1	73	0.37	0.041	10
MK11-42	Soil		0.6	16.6	6.5	35	<0.1	7.0	5.8	365	2.36	4.8	1.1	1.6	52	<0.1	0.4	0.1	62	0.42	0.041	9
MK11-43	Soil		0.7	26.6	6.9	46	<0.1	8.4	7.0	497	2.82	7.1	3.1	1.8	68	<0.1	0.5	0.1	65	0.55	0.063	14
MK11-44	Soil		0.9	17.3	5.8	50	0.1	9.4	6.0	317	2.76	4.5	3.5	1.5	37	<0.1	0.4	<0.1	66	0.31	0.040	12
MK11-45	Soil		1.1	18.1	5.9	51	<0.1	9.5	6.5	363	2.94	5.6	2.6	1.5	36	<0.1	0.4	<0.1	70	0.31	0.036	7
MK11-46	Soil		1.1	20.3	6.1	50	<0.1	9.9	7.0	382	3.01	5.3	6.7	1.5	42	<0.1	0.5	<0.1	73	0.34	0.037	13
MK11-47	Soil		0.9	14.2	5.3	48	<0.1	8.2	5.4	324	2.44	3.5	3.5	1.2	33	<0.1	0.4	<0.1	60	0.27	0.029	8
MK11-48	Soil		1.1	24.8	7.3	50	<0.1	10.2	7.4	471	3.15	6.8	32.1	1.8	48	<0.1	0.5	0.1	70	0.45	0.057	13
MK11-49	Soil		1.0	25.2	6.9	54	<0.1	10.0	7.1	538	2.95	7.8	5.9	1.8	42	<0.1	0.5	0.1	65	0.44	0.064	14
MK11-50	Soil		1.0	23.4	6.7	52	<0.1	9.8	7.0	427	2.99	6.4	6.9	1.9	44	<0.1	0.5	<0.1	66	0.39	0.044	15
MK11-51	Soil		1.3	15.3	6.5	56	<0.1	8.6	6.4	293	2.66	11.0	2.1	1.2	30	<0.1	0.4	<0.1	60	0.29	0.058	7
MK11-52	Soil		1.0	18.1	6.4	50	<0.1	9.0	6.6	391	2.75	5.5	4.2	1.6	43	<0.1	0.5	<0.1	65	0.45	0.048	11
MK11-53	Soil		0.9	26.1	6.5	53	<0.1	10.2	8.0	505	2.96	6.9	6.6	1.8	52	<0.1	0.5	<0.1	65	0.44	0.063	14
MK11-54	Soil		1.0	20.6	6.1	55	<0.1	10.8	7.1	316	3.03	4.6	1.4	1.4	39	<0.1	0.4	<0.1	75	0.37	0.045	8
MK11-55	Soil		0.8	13.5	5.8	70	<0.1	9.0	5.9	482	2.11	2.6	1.3	1.1	41	<0.1	0.2	<0.1	50	0.35	0.094	7
MK11-56	Soil		0.8	14.4	5.5	55	<0.1	8.4	5.7	299	2.61	3.3	1.6	1.2	29	<0.1	0.3	<0.1	62	0.34	0.021	8
MK11-57	Soil		0.9	26.4	6.6	56	<0.1	12.4	7.8	508	2.90	6.2	2.0	1.7	57	<0.1	0.4	0.1	68	0.51	0.060	15
MK11-58	Soil		0.8	16.6	6.1	64	0.1	7.3	5.7	505	2.17	3.0	0.7	0.9	27	0.2	0.3	<0.1	48	0.42	0.032	17
MK11-59	Soil		1.1	32.7	6.2	51	<0.1	11.0	7.2	394	3.31	7.1	9.5	1.8	50	<0.1	0.5	<0.1	70	0.40	0.037	17
MK11-60	Soil		1.1	21.0	6.5	51	<0.1	8.8	6.3	378	2.86	7.2	1.3	1.7	52	<0.1	0.5	0.1	65	0.40	0.056	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	Analyte	Unit	MDL	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		
				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	
MK11-31	Soil			15	0.48	89	0.065	<1	1.50	0.020	0.08	<0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
MK11-32	Soil			17	0.57	205	0.075	1	1.73	0.034	0.09	<0.1	0.07	5.8	<0.1	<0.05	6	<0.5	<0.2
MK11-33	Soil			15	0.34	95	0.115	1	1.03	0.023	0.06	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
MK11-34	Soil			17	0.41	172	0.081	<1	1.66	0.024	0.07	<0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
MK11-35	Soil			16	0.39	127	0.092	<1	1.39	0.018	0.08	<0.1	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-36	Soil			16	0.36	89	0.093	2	1.12	0.022	0.06	<0.1	0.03	3.7	<0.1	0.08	4	<0.5	<0.2
MK11-37	Soil			15	0.32	120	0.075	2	1.30	0.023	0.06	<0.1	0.03	4.3	<0.1	0.07	4	<0.5	<0.2
MK11-38	Soil			16	0.36	86	0.073	2	1.64	0.032	0.06	<0.1	0.04	5.3	<0.1	0.06	5	<0.5	<0.2
MK11-39	Soil			16	0.38	89	0.068	1	1.27	0.033	0.05	0.1	0.04	5.0	<0.1	0.06	4	<0.5	<0.2
MK11-40	Soil			16	0.48	202	0.071	1	1.61	0.036	0.07	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
MK11-41	Soil			17	0.42	109	0.103	<1	1.31	0.020	0.07	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
MK11-42	Soil			13	0.39	112	0.094	2	1.11	0.030	0.08	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-43	Soil			17	0.43	173	0.065	1	1.57	0.024	0.10	<0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
MK11-44	Soil			16	0.41	260	0.087	<1	1.19	0.018	0.09	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
MK11-45	Soil			18	0.40	148	0.106	<1	1.19	0.017	0.10	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-46	Soil			19	0.41	148	0.100	<1	1.25	0.020	0.09	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
MK11-47	Soil			14	0.34	135	0.093	1	1.13	0.015	0.06	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
MK11-48	Soil			18	0.47	130	0.099	1	1.34	0.027	0.08	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-49	Soil			17	0.44	141	0.086	1	1.37	0.019	0.08	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-50	Soil			17	0.42	142	0.091	<1	1.31	0.019	0.11	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-51	Soil			14	0.35	159	0.054	<1	1.86	0.016	0.08	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
MK11-52	Soil			17	0.40	118	0.094	<1	1.24	0.025	0.08	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
MK11-53	Soil			17	0.51	118	0.091	1	1.59	0.022	0.09	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
MK11-54	Soil			19	0.47	115	0.105	1	1.28	0.018	0.11	<0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
MK11-55	Soil			14	0.31	195	0.078	1	1.64	0.015	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
MK11-56	Soil			16	0.36	131	0.084	<1	1.22	0.023	0.07	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
MK11-57	Soil			20	0.49	156	0.082	<1	1.69	0.020	0.10	<0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
MK11-58	Soil			12	0.28	136	0.058	<1	1.33	0.019	0.06	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MK11-59	Soil			19	0.47	185	0.092	1	1.55	0.027	0.08	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
MK11-60	Soil			14	0.45	80	0.088	<1	1.59	0.016	0.08	<0.1	0.01	3.5	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 4 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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
MK11-61	Soil	0.8	17.9	5.5	48	<0.1	9.6	6.3	286	2.66	4.9	3.9	1.2	34	<0.1	0.4	<0.1	70	0.30	0.046	6
MK11-62	Soil	1.0	24.0	6.1	51	<0.1	9.6	6.7	357	2.78	6.9	3.0	1.8	45	<0.1	0.5	<0.1	65	0.40	0.069	15
MK11-63	Soil	0.8	25.9	7.2	53	0.1	9.1	7.9	560	3.09	8.0	3.2	1.7	104	0.1	0.5	<0.1	72	0.57	0.058	14
MK11-64	Soil	1.0	18.8	5.6	47	0.1	7.5	5.7	305	2.64	5.8	11.5	1.5	42	<0.1	0.5	<0.1	64	0.33	0.042	10
MK11-65	Soil	0.7	24.9	6.1	51	<0.1	8.7	6.3	449	2.92	8.5	3.6	1.6	104	<0.1	0.5	<0.1	78	0.58	0.081	14
BMS-1	Pulp	451.4	3346	9.9	72	2.2	22.1	19.4	656	4.96	50.5	299.1	1.1	139	1.5	7.3	0.3	88	4.38	0.126	8
MK11-66	Soil	0.9	19.4	5.5	48	0.1	8.2	6.3	348	2.73	7.3	7.4	1.3	63	<0.1	0.5	<0.1	72	0.42	0.038	10
MK11-67	Soil	0.8	21.5	6.1	51	0.1	7.9	6.6	403	2.73	8.6	7.0	1.6	90	<0.1	0.5	<0.1	67	0.49	0.059	12
MK11-68	Soil	0.9	25.5	6.6	50	0.1	9.9	7.3	468	2.88	7.0	48.6	1.7	53	<0.1	0.5	<0.1	73	0.54	0.060	13
MK11-69	Soil	1.0	26.6	7.1	52	<0.1	12.0	7.6	432	3.17	7.8	3.2	1.8	47	0.1	0.5	<0.1	76	0.45	0.058	9
MK11-70	Soil	0.9	19.1	6.0	48	<0.1	10.3	7.3	319	2.75	5.5	1.5	1.4	37	<0.1	0.4	<0.1	72	0.33	0.046	7
MK11-71	Soil	1.0	22.0	8.0	57	<0.1	12.0	8.3	658	2.84	5.9	2.1	1.6	48	<0.1	0.4	<0.1	64	0.53	0.068	15
MK11-72	Soil	1.3	20.6	7.2	53	0.1	11.1	7.4	413	3.02	4.6	1.7	1.5	42	<0.1	0.4	<0.1	76	0.46	0.043	14
MK11-73	Soil	1.0	22.4	7.4	55	<0.1	11.0	7.6	406	3.12	4.7	1.0	1.5	41	<0.1	0.4	<0.1	75	0.41	0.064	10
MK11-74	Soil	0.9	23.4	6.3	58	<0.1	11.9	7.9	414	3.22	4.4	1.1	1.6	43	<0.1	0.4	<0.1	81	0.48	0.038	11
MK11-75	Soil	0.9	25.6	6.3	67	<0.1	14.5	9.1	391	3.21	4.6	1.4	1.7	54	<0.1	0.4	<0.1	91	0.44	0.059	7
MK11-76	Soil	0.6	24.6	5.7	60	0.1	13.3	8.0	513	2.81	3.6	1.2	1.4	65	0.1	0.4	<0.1	69	0.48	0.039	14
MK11-77	Soil	1.0	28.8	8.0	61	<0.1	10.1	10.3	998	3.37	8.5	6.5	2.0	106	<0.1	0.6	0.1	72	0.74	0.079	14
MK11-78	Soil	0.9	20.3	6.6	51	<0.1	7.9	6.8	497	2.90	6.8	2.5	1.7	100	<0.1	0.5	<0.1	70	0.54	0.061	14
MK11-79	Soil	0.7	24.5	6.9	54	<0.1	8.7	7.6	598	2.90	8.0	21.0	1.8	97	<0.1	0.5	<0.1	68	0.65	0.077	13
MK11-80	Soil	0.8	17.3	5.3	51	<0.1	7.8	6.0	356	2.69	5.3	2.0	1.5	86	<0.1	0.4	<0.1	73	0.52	0.052	11
MK11-81	Soil	1.0	25.2	5.9	51	0.1	10.1	6.7	366	2.85	4.6	1.6	1.6	42	<0.1	0.4	<0.1	68	0.43	0.021	21
MK11-82	Soil	1.1	35.5	7.8	63	<0.1	12.5	10.9	1039	3.44	7.8	7.3	2.0	85	0.1	0.5	<0.1	77	0.71	0.078	17
MK11-83	Soil	0.6	29.2	7.3	54	0.1	14.2	7.8	469	2.82	4.8	2.0	2.0	51	<0.1	0.3	0.1	64	0.64	0.022	18
MK11-84	Soil	0.9	34.3	8.0	65	<0.1	16.7	11.9	806	3.63	7.8	2.4	2.4	74	<0.1	0.5	0.1	84	0.75	0.061	19
MK11-85	Soil	1.1	37.8	6.4	63	<0.1	16.4	10.5	639	3.72	7.3	2.3	2.1	67	<0.1	0.5	<0.1	87	0.52	0.059	16
MK11-86	Soil	0.6	27.9	7.8	55	<0.1	13.2	9.6	660	3.43	6.5	2.9	2.4	83	<0.1	0.5	<0.1	76	0.75	0.048	15
MK11-87	Soil	0.9	27.6	7.8	61	<0.1	11.1	9.1	679	3.18	7.9	2.9	1.9	106	<0.1	0.4	0.1	70	0.74	0.073	14
MK11-88	Soil	0.8	18.3	5.4	57	<0.1	11.4	7.8	325	3.06	4.7	2.2	1.5	57	<0.1	0.4	<0.1	82	0.38	0.050	7
MK11-89	Soil	0.8	15.8	6.6	60	<0.1	8.8	7.4	494	3.00	3.7	1.0	1.9	64	<0.1	0.4	<0.1	71	0.36	0.043	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.





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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 4 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-61	Soil	18	0.38	145	0.096	1	1.44	0.017	0.09	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
MK11-62	Soil	17	0.43	121	0.090	2	1.49	0.019	0.10	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-63	Soil	16	0.48	157	0.115	<1	1.72	0.024	0.10	<0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
MK11-64	Soil	15	0.38	100	0.094	<1	1.33	0.019	0.07	<0.1	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
MK11-65	Soil	16	0.40	129	0.117	1	1.42	0.025	0.08	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
BMS-1	Pulp	26	1.33	102	0.007	4	1.37	0.082	0.21	3.0	0.19	6.7	<0.1	1.80	6	6.1	0.2
MK11-66	Soil	15	0.39	111	0.131	1	1.35	0.024	0.08	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
MK11-67	Soil	15	0.41	161	0.120	<1	1.64	0.020	0.10	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
MK11-68	Soil	17	0.44	109	0.119	2	1.32	0.026	0.10	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
MK11-69	Soil	20	0.50	138	0.121	2	1.60	0.022	0.12	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-70	Soil	18	0.43	107	0.106	2	1.20	0.026	0.11	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
MK11-71	Soil	17	0.52	99	0.085	<1	1.41	0.016	0.09	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
MK11-72	Soil	18	0.57	75	0.122	1	1.52	0.032	0.11	<0.1	0.02	4.1	<0.1	0.06	5	<0.5	<0.2
MK11-73	Soil	17	0.53	110	0.099	1	1.82	0.020	0.10	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
MK11-74	Soil	20	0.56	110	0.136	1	1.58	0.046	0.09	<0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
MK11-75	Soil	24	0.60	132	0.156	1	1.80	0.023	0.12	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
MK11-76	Soil	22	0.54	129	0.118	1	1.90	0.025	0.09	<0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
MK11-77	Soil	16	0.57	175	0.094	1	1.75	0.039	0.09	<0.1	0.06	6.3	<0.1	<0.05	6	<0.5	<0.2
MK11-78	Soil	15	0.42	145	0.118	<1	1.67	0.026	0.09	0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
MK11-79	Soil	16	0.51	146	0.115	1	1.89	0.029	0.09	<0.1	0.05	5.5	<0.1	<0.05	6	<0.5	<0.2
MK11-80	Soil	15	0.42	115	0.151	<1	1.60	0.028	0.08	0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
MK11-81	Soil	17	0.44	105	0.105	<1	1.48	0.026	0.08	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
MK11-82	Soil	20	0.59	180	0.107	2	1.65	0.035	0.08	0.1	0.07	6.7	<0.1	<0.05	5	<0.5	<0.2
MK11-83	Soil	25	0.59	153	0.105	2	2.21	0.033	0.10	0.1	0.02	6.8	<0.1	<0.05	7	<0.5	<0.2
MK11-84	Soil	25	0.86	158	0.138	2	2.42	0.032	0.12	<0.1	0.04	8.4	<0.1	<0.05	7	<0.5	<0.2
MK11-85	Soil	25	0.69	167	0.125	<1	2.16	0.034	0.13	<0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
MK11-86	Soil	20	0.67	166	0.091	2	2.46	0.032	0.15	<0.1	0.03	8.1	<0.1	<0.05	7	<0.5	<0.2
MK11-87	Soil	15	0.60	178	0.106	2	2.02	0.055	0.11	<0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
MK11-88	Soil	21	0.48	139	0.121	1	1.81	0.017	0.11	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-89	Soil	16	0.42	107	0.135	<1	2.13	0.027	0.13	<0.1	<0.01	4.7	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
MK11-90	Soil		0.7	20.5	7.6	52	1.4	13.1	8.9	641	2.78	4.8	3.4	2.1	89	<0.1	0.3	<0.1	71	0.66	0.024	13
MK11-91	Soil		0.8	24.5	7.9	66	1.6	14.3	9.9	775	3.56	8.0	3.1	2.0	153	<0.1	0.4	0.1	85	0.83	0.066	14
MK11-92	Soil		0.7	16.4	6.4	56	1.2	11.1	6.4	406	2.37	3.1	<0.5	1.3	33	<0.1	0.3	<0.1	61	0.31	0.064	8
MK11-93	Soil		0.6	12.0	5.8	74	2.4	10.9	5.4	808	1.98	1.9	0.6	1.0	25	0.1	0.2	<0.1	48	0.25	0.094	5
MK11-94	Soil		0.8	20.3	6.0	53	1.5	12.5	7.2	387	3.03	4.3	1.0	1.4	42	<0.1	0.4	<0.1	83	0.38	0.045	8
MK11-95	Soil		0.8	11.1	6.7	61	1.5	10.5	6.1	596	2.10	3.9	0.8	1.0	28	<0.1	0.2	0.1	50	0.28	0.049	5
MK11-96	Soil		0.9	29.7	7.5	60	1.3	15.2	10.8	704	3.39	11.0	3.1	1.8	85	<0.1	0.4	0.1	76	0.71	0.070	14
MK11-97	Soil		0.7	13.6	6.2	63	1.3	10.0	6.6	403	2.47	4.4	<0.5	1.1	31	<0.1	0.3	<0.1	63	0.29	0.053	5
MK11-98	Soil		0.6	17.7	5.5	57	1.7	10.4	6.6	364	2.69	4.1	1.1	1.2	44	<0.1	0.4	<0.1	71	0.37	0.041	8
MK11-99	Soil		0.7	21.9	7.1	53	1.9	11.4	7.9	560	2.89	5.8	2.9	1.6	55	<0.1	0.4	<0.1	71	0.48	0.061	11
MK11-100	Soil		0.7	14.5	6.4	68	1.1	10.3	6.8	625	2.28	2.1	<0.5	1.0	32	<0.1	0.3	<0.1	53	0.28	0.081	9
MK11-101	Soil		0.5	16.9	6.3	41	1.2	11.6	7.3	490	2.59	2.6	1.8	1.8	64	<0.1	0.3	<0.1	63	0.55	0.015	10
MK11-102	Soil		0.7	21.6	5.4	63	0.6	19.3	10.6	484	3.31	2.9	<0.5	1.5	55	<0.1	0.4	<0.1	83	0.42	0.051	7
MK11-103	Soil		0.8	20.6	5.7	60	<0.1	17.5	8.9	386	2.99	2.8	8.8	1.6	47	<0.1	0.5	<0.1	76	0.43	0.028	8
MK11-104	Soil		0.6	25.3	6.6	61	<0.1	19.4	9.9	708	2.94	3.0	0.7	1.7	75	<0.1	0.3	<0.1	79	0.62	0.052	13
MK11-105	Soil		0.3	34.7	4.4	64	<0.1	89.5	23.0	698	4.34	2.2	1.0	1.9	101	0.1	0.2	<0.1	90	0.97	0.061	13
MK11-106	Soil		0.7	41.7	6.8	58	0.1	22.8	13.5	797	3.77	5.2	2.7	2.6	79	0.1	0.4	<0.1	107	0.77	0.047	17
MK11-107	Soil		0.5	21.9	4.8	52	<0.1	25.1	10.7	480	3.39	4.1	1.1	1.3	66	<0.1	0.4	<0.1	90	0.49	0.037	11
MK11-108	Soil		0.6	29.7	5.1	55	<0.1	14.9	8.6	448	3.09	4.6	4.9	1.7	55	<0.1	0.4	<0.1	81	0.48	0.048	9
MK11-109	Soil		0.5	40.6	4.2	74	<0.1	52.2	18.8	528	4.27	2.0	<0.5	1.4	67	<0.1	0.2	<0.1	99	0.65	0.064	9
MK11-110	Soil		0.3	79.5	3.2	60	<0.1	67.4	26.1	1073	5.50	0.7	<0.5	0.9	96	<0.1	<0.1	<0.1	105	1.24	0.220	16
MK11-111	Soil		0.7	31.3	7.2	57	0.2	19.2	11.4	809	3.58	6.0	2.4	2.0	72	0.1	0.4	<0.1	92	0.69	0.032	13
MK11-112	Soil		0.7	27.8	7.4	71	<0.1	13.3	9.5	878	3.28	7.4	2.0	1.7	64	<0.1	0.4	0.1	68	0.67	0.077	18
MK11-113	Soil		0.7	25.3	6.3	64	0.2	16.3	9.6	736	3.16	4.6	1.0	1.7	61	0.1	0.3	<0.1	75	0.57	0.060	16
MK11-114	Soil		0.8	34.3	8.7	59	<0.1	18.7	10.8	831	3.70	6.4	<0.5	1.8	58	<0.1	0.5	0.1	84	0.57	0.061	15
MK11-115	Soil		0.7	16.7	5.5	50	<0.1	9.6	6.8	471	2.89	4.8	<0.5	1.5	73	<0.1	0.4	<0.1	76	0.55	0.059	11
MK11-116	Soil		0.8	25.0	6.8	54	<0.1	12.1	8.2	538	3.05	5.5	2.3	1.7	53	<0.1	0.4	0.1	74	0.54	0.046	15
MK11-117	Soil		1.0	42.6	7.2	63	<0.1	17.5	11.2	865	3.51	7.0	2.0	1.8	74	0.1	0.5	0.1	89	0.66	0.071	16
MK11-118	Soil		0.9	37.8	8.0	63	0.1	16.2	10.0	650	3.61	7.4	2.2	1.9	70	<0.1	0.5	0.1	79	0.67	0.064	16
MK11-119	Soil		0.7	30.5	6.6	58	<0.1	14.1	8.7	705	3.32	5.8	3.1	1.8	91	<0.1	0.4	<0.1	77	0.72	0.071	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 5 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-90	Soil	22	0.56	126	0.143	1	2.28	0.051	0.08	<0.1	0.05	7.2	<0.1	<0.05	7	<0.5	<0.2
MK11-91	Soil	20	0.67	203	0.141	1	2.55	0.052	0.11	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
MK11-92	Soil	17	0.38	125	0.098	<1	1.85	0.016	0.07	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
MK11-93	Soil	13	0.27	138	0.092	<1	1.67	0.018	0.06	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
MK11-94	Soil	22	0.47	145	0.135	1	1.59	0.022	0.09	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-95	Soil	13	0.31	134	0.098	1	1.71	0.018	0.09	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
MK11-96	Soil	23	0.72	166	0.098	1	2.15	0.042	0.10	<0.1	0.05	6.6	<0.1	<0.05	7	<0.5	<0.2
MK11-97	Soil	15	0.36	116	0.106	1	1.62	0.018	0.11	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
MK11-98	Soil	17	0.43	138	0.107	<1	1.57	0.018	0.08	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-99	Soil	18	0.49	145	0.115	<1	1.97	0.022	0.11	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
MK11-100	Soil	15	0.35	131	0.095	<1	2.00	0.020	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
MK11-101	Soil	19	0.45	139	0.115	2	2.02	0.032	0.07	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
MK11-102	Soil	26	0.67	105	0.139	1	2.24	0.022	0.10	<0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
MK11-103	Soil	23	0.58	98	0.139	2	2.50	0.025	0.12	<0.1	0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
MK11-104	Soil	23	0.62	122	0.157	2	2.27	0.028	0.10	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2
MK11-105	Soil	44	2.01	161	0.270	1	3.83	0.070	0.15	<0.1	0.01	8.3	<0.1	<0.05	9	<0.5	<0.2
MK11-106	Soil	31	0.82	107	0.117	2	2.79	0.039	0.10	<0.1	0.05	9.2	<0.1	<0.05	8	<0.5	<0.2
MK11-107	Soil	29	0.76	89	0.155	1	1.65	0.030	0.09	<0.1	0.04	6.6	<0.1	0.07	5	<0.5	<0.2
MK11-108	Soil	22	0.64	67	0.124	1	1.62	0.037	0.09	0.2	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
MK11-109	Soil	38	1.48	180	0.247	2	3.99	0.039	0.13	<0.1	0.02	5.0	<0.1	<0.05	10	<0.5	<0.2
MK11-110	Soil	39	2.54	31	0.272	1	3.37	0.069	0.04	<0.1	<0.01	2.8	<0.1	<0.05	7	0.8	<0.2
MK11-111	Soil	25	0.65	128	0.088	2	2.42	0.035	0.10	<0.1	0.05	7.8	<0.1	<0.05	7	0.8	<0.2
MK11-112	Soil	17	0.61	154	0.079	2	1.90	0.028	0.13	<0.1	0.13	7.7	<0.1	<0.05	6	<0.5	<0.2
MK11-113	Soil	21	0.56	127	0.094	2	2.00	0.033	0.09	<0.1	0.05	7.2	<0.1	<0.05	6	0.7	<0.2
MK11-114	Soil	22	0.67	111	0.095	2	1.94	0.026	0.10	0.1	0.04	9.6	<0.1	<0.05	6	0.5	<0.2
MK11-115	Soil	16	0.45	110	0.136	2	1.30	0.032	0.10	<0.1	0.02	4.9	<0.1	<0.05	4	<0.5	<0.2
MK11-116	Soil	19	0.55	122	0.109	2	1.79	0.038	0.13	<0.1	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
MK11-117	Soil	27	0.74	155	0.108	2	1.93	0.032	0.10	<0.1	0.03	7.7	<0.1	<0.05	6	0.7	<0.2
MK11-118	Soil	28	0.75	151	0.093	2	2.56	0.030	0.11	<0.1	0.05	8.3	<0.1	<0.05	7	<0.5	<0.2
MK11-119	Soil	21	0.57	171	0.124	<1	2.25	0.047	0.09	<0.1	0.04	7.6	<0.1	<0.05	6	0.7	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
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	
MK11-120	Soil	0.5	23.3	4.2	52	<0.1	13.8	9.2	532	2.89	4.1	0.9	1.2	42	<0.1	0.4	<0.1	75	0.43	0.053	9
MK11-121	Soil	0.7	31.1	5.1	53	<0.1	16.8	11.0	542	3.42	4.9	0.8	1.4	53	<0.1	0.5	<0.1	92	0.48	0.042	8
MK11-122	Soil	0.7	24.3	5.8	54	<0.1	11.6	8.4	463	3.09	4.3	1.0	1.6	52	<0.1	0.5	<0.1	84	0.47	0.044	10
MK11-123	Soil	0.9	18.5	6.4	65	<0.1	10.5	8.0	499	2.69	2.7	2.0	1.1	42	0.1	0.3	<0.1	75	0.43	0.061	8
MK11-124	Soil	0.6	24.4	7.0	81	0.1	13.9	9.2	627	2.86	3.3	1.0	1.4	43	0.1	0.3	0.1	71	0.46	0.046	16
MK11-125	Soil	0.7	29.4	8.0	73	<0.1	14.2	9.4	438	3.27	4.1	<0.5	1.8	46	0.1	0.3	0.1	78	0.37	0.059	10
MK11-126	Soil	0.9	41.2	4.1	60	<0.1	55.0	19.0	1130	5.10	3.2	0.6	1.6	57	<0.1	0.2	<0.1	87	0.75	0.079	13
MK11-127	Soil	0.7	25.2	7.3	53	<0.1	23.6	13.5	990	3.67	5.4	2.0	2.1	80	<0.1	0.3	0.1	89	0.69	0.028	14
MK11-128	Soil	0.5	22.9	7.3	45	0.1	16.5	8.7	511	2.71	5.0	1.3	1.8	74	<0.1	0.4	0.1	73	0.63	0.045	15
MK11-129	Soil	0.8	22.0	6.7	72	<0.1	14.4	8.9	610	2.83	4.7	0.8	1.4	48	<0.1	0.4	<0.1	70	0.43	0.078	11
MK11-130	Soil	0.7	17.1	6.2	73	<0.1	11.8	7.6	469	2.81	3.8	3.0	1.4	25	0.1	0.4	<0.1	68	0.25	0.051	6
BMS-2	Pulp	37.7	4436	36.3	206	3.1	20.3	18.9	802	5.35	70.3	504.8	1.1	134	2.2	11.0	0.5	90	4.22	0.119	8
MK11-131	Soil	0.3	15.2	7.2	87	<0.1	4.7	7.3	1323	3.77	4.9	2.2	1.0	10	0.2	0.2	<0.1	18	0.31	0.060	33
MK11-132	Soil	0.9	22.8	6.4	65	<0.1	14.8	9.0	495	3.44	6.8	1.0	1.5	44	<0.1	0.5	<0.1	82	0.42	0.068	13
MK11-133	Soil	0.6	25.9	6.9	62	<0.1	11.8	8.7	784	3.12	6.3	2.0	1.6	86	0.1	0.4	<0.1	68	0.93	0.083	17
MK11-134	Soil	0.7	18.6	5.2	66	<0.1	9.2	7.3	439	3.05	5.6	0.7	1.3	66	<0.1	0.4	<0.1	82	0.71	0.053	10
MK11-135	Soil	0.6	19.4	6.4	59	<0.1	11.0	7.2	360	2.75	4.0	1.6	1.7	44	<0.1	0.4	<0.1	74	0.42	0.039	9
MK11-136	Soil	0.7	18.2	5.6	56	<0.1	10.6	6.7	374	2.81	3.8	<0.5	1.4	45	<0.1	0.4	<0.1	78	0.40	0.038	9
MK11-137	Soil	0.6	15.9	6.0	68	<0.1	10.0	6.4	654	2.31	2.6	<0.5	1.3	39	0.1	0.3	<0.1	60	0.37	0.054	10
MK11-138	Soil	0.7	21.9	5.9	56	<0.1	11.8	7.6	362	2.92	4.5	0.9	1.6	42	<0.1	0.4	<0.1	76	0.37	0.055	10
MK11-139	Soil	0.8	20.2	5.7	53	<0.1	11.0	7.5	363	2.91	4.6	2.8	1.5	41	<0.1	0.4	<0.1	79	0.37	0.054	9
MK11-140	Soil	0.7	21.0	6.5	56	<0.1	11.8	6.9	346	2.89	4.3	1.3	1.6	45	<0.1	0.4	<0.1	76	0.38	0.050	10
MK11-141	Soil	0.8	21.2	5.5	54	<0.1	10.9	7.3	380	2.80	5.4	1.3	1.4	47	<0.1	0.4	<0.1	76	0.38	0.044	11
MK11-142	Soil	0.6	18.3	5.9	74	<0.1	11.1	7.0	358	2.63	3.3	0.9	1.3	35	<0.1	0.3	<0.1	70	0.28	0.046	8
MK11-143	Soil	0.6	26.8	6.7	46	<0.1	11.2	7.6	389	2.91	6.7	2.7	2.0	60	<0.1	0.4	<0.1	71	0.42	0.057	11
MK11-144	Soil	0.5	17.6	7.4	40	<0.1	7.6	6.5	330	2.39	6.4	3.4	1.5	61	<0.1	0.4	<0.1	63	0.40	0.034	11
MK11-145	Soil	0.8	22.9	5.6	46	<0.1	8.6	7.1	464	2.88	7.0	22.5	1.4	63	<0.1	0.4	<0.1	74	0.41	0.046	16
MK11-146	Soil	0.7	23.1	6.1	72	0.2	11.5	7.5	396	2.64	4.0	1.3	1.5	45	0.2	0.4	<0.1	67	0.33	0.060	12
MK11-147	Soil	0.8	21.9	6.4	52	0.1	11.4	7.9	416	2.96	6.0	1.2	1.5	56	0.1	0.4	0.1	78	0.38	0.055	10
MK11-148	Soil	0.7	20.4	5.3	62	<0.1	11.4	7.5	373	2.88	4.1	1.0	1.4	46	0.1	0.4	<0.1	75	0.37	0.025	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-120	Soil	21	0.64	89	0.090	1	1.40	0.020	0.07	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
MK11-121	Soil	27	0.73	114	0.121	2	1.72	0.023	0.07	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
MK11-122	Soil	21	0.56	98	0.138	2	1.63	0.039	0.10	<0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
MK11-123	Soil	19	0.44	105	0.132	2	1.47	0.022	0.10	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-124	Soil	21	0.51	143	0.118	<1	2.44	0.023	0.10	<0.1	0.03	5.3	<0.1	<0.05	8	0.7	<0.2
MK11-125	Soil	23	0.61	185	0.101	1	2.98	0.022	0.11	0.1	0.03	4.0	<0.1	<0.05	8	0.5	<0.2
MK11-126	Soil	41	0.92	115	0.144	2	2.00	0.032	0.07	<0.1	0.03	11.2	<0.1	<0.05	6	0.6	<0.2
MK11-127	Soil	28	0.69	143	0.106	1	2.34	0.038	0.09	0.1	0.04	8.0	<0.1	<0.05	7	0.8	<0.2
MK11-128	Soil	22	0.60	112	0.106	2	1.98	0.031	0.08	<0.1	0.03	7.2	<0.1	<0.05	6	0.6	<0.2
MK11-129	Soil	20	0.51	160	0.115	1	1.97	0.025	0.09	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
MK11-130	Soil	18	0.42	231	0.095	1	1.86	0.018	0.07	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BMS-2	Pulp	27	1.22	74	0.005	4	1.22	0.077	0.23	0.2	0.46	6.6	0.1	2.00	5	7.5	0.4
MK11-131	Soil	3	0.10	106	0.002	2	0.59	0.005	0.15	<0.1	0.02	3.6	<0.1	<0.05	3	0.8	<0.2
MK11-132	Soil	21	0.53	184	0.110	<1	1.73	0.031	0.09	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
MK11-133	Soil	18	0.61	173	0.103	2	1.84	0.039	0.09	<0.1	0.04	6.7	<0.1	<0.05	6	<0.5	<0.2
MK11-134	Soil	15	0.50	121	0.177	<1	2.08	0.019	0.10	<0.1	0.02	4.5	<0.1	<0.05	7	0.6	<0.2
MK11-135	Soil	20	0.52	114	0.143	1	1.66	0.027	0.09	<0.1	0.03	4.6	<0.1	<0.05	6	0.5	<0.2
MK11-136	Soil	19	0.48	126	0.149	1	1.45	0.045	0.08	<0.1	0.02	4.2	<0.1	<0.05	5	0.5	<0.2
MK11-137	Soil	17	0.42	131	0.108	<1	1.52	0.018	0.09	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
MK11-138	Soil	19	0.50	122	0.120	<1	1.74	0.018	0.08	<0.1	0.02	4.1	<0.1	<0.05	5	0.7	<0.2
MK11-139	Soil	18	0.46	118	0.119	1	1.61	0.021	0.09	<0.1	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-140	Soil	20	0.46	119	0.134	<1	1.82	0.018	0.08	<0.1	0.02	4.3	<0.1	<0.05	6	0.8	<0.2
MK11-141	Soil	20	0.47	124	0.127	2	1.54	0.028	0.10	<0.1	0.02	4.6	<0.1	0.08	5	<0.5	<0.2
MK11-142	Soil	19	0.43	131	0.106	2	1.70	0.024	0.08	<0.1	0.01	3.1	<0.1	0.08	5	<0.5	<0.2
MK11-143	Soil	21	0.53	149	0.099	1	2.05	0.029	0.10	<0.1	0.03	5.9	<0.1	0.05	6	<0.5	<0.2
MK11-144	Soil	15	0.41	87	0.078	2	1.48	0.046	0.12	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-145	Soil	16	0.42	118	0.104	1	1.20	0.018	0.09	<0.1	0.04	4.8	<0.1	<0.05	4	<0.5	<0.2
MK11-146	Soil	17	0.46	167	0.101	<1	1.96	0.027	0.10	0.1	0.03	4.2	<0.1	0.06	6	<0.5	<0.2
MK11-147	Soil	19	0.48	139	0.119	2	1.66	0.027	0.10	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
MK11-148	Soil	20	0.48	115	0.131	1	1.47	0.031	0.09	<0.1	0.03	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-149	Soil		0.9	20.0	6.1	48	<0.1	9.5	7.5	431	2.88	5.1	9.8	1.3	57	<0.1	0.4	<0.1	80	0.40	0.032	12
MK11-150	Soil		1.3	22.1	8.9	50	<0.1	10.3	9.8	860	3.25	7.1	2.5	2.0	71	<0.1	0.5	<0.1	82	0.51	0.042	14
MK11-151	Soil		0.8	16.2	4.8	45	<0.1	7.7	5.9	310	2.60	4.5	0.8	1.3	46	<0.1	0.4	<0.1	77	0.36	0.018	9
MK11-152	Soil		0.8	21.1	6.6	60	<0.1	12.0	8.2	418	2.95	5.3	<0.5	1.7	56	0.2	0.4	<0.1	82	0.44	0.045	12
MK11-153	Soil		0.7	16.1	4.6	44	<0.1	7.6	5.8	299	2.66	4.2	1.7	1.4	51	<0.1	0.4	<0.1	75	0.42	0.023	9
MK11-154	Soil		0.6	17.4	5.2	52	<0.1	9.9	6.8	327	2.73	4.1	0.9	1.5	41	<0.1	0.4	0.1	73	0.38	0.018	14
MK11-155	Soil		0.5	19.1	7.3	47	0.1	8.1	5.8	292	1.85	5.0	<0.5	2.5	28	<0.1	0.1	0.1	37	0.29	0.228	10
MK11-156	Soil		0.8	19.3	4.7	40	<0.1	8.1	6.0	352	2.58	5.3	3.0	1.4	48	<0.1	0.4	<0.1	66	0.41	0.046	13
MK11-157	Soil		0.8	19.6	5.3	40	<0.1	9.1	6.3	341	2.67	4.3	3.5	1.4	46	<0.1	0.4	<0.1	73	0.39	0.017	14
MK11-158	Soil		0.8	15.6	5.6	43	<0.1	8.6	6.6	338	2.69	4.5	15.9	0.9	45	<0.1	0.3	<0.1	72	0.44	0.067	7
MK11-159	Soil		0.4	10.6	6.0	44	<0.1	6.7	4.6	199	1.80	1.9	2.4	0.8	29	<0.1	0.2	<0.1	46	0.28	0.028	6
MK11-160	Soil		0.5	14.5	5.7	45	<0.1	9.4	5.5	363	2.12	2.7	3.2	1.4	39	<0.1	0.3	<0.1	58	0.34	0.015	10
MK11-161	Soil		0.8	21.0	6.1	54	<0.1	11.2	6.7	357	2.77	4.1	1.5	1.4	37	<0.1	0.4	<0.1	73	0.37	0.032	10
MK11-162	Soil		0.9	17.8	6.8	49	0.1	10.7	6.3	329	2.36	3.1	1.2	1.4	26	<0.1	0.2	<0.1	59	0.32	0.024	16
MK11-163	Soil		0.7	28.9	7.5	80	0.2	10.1	7.1	791	2.12	2.9	0.7	1.6	25	0.1	0.2	0.1	47	0.26	0.182	7
MK11-164	Soil		0.9	16.5	6.4	49	<0.1	9.0	7.4	912	2.53	3.7	2.0	1.4	47	0.1	0.4	<0.1	68	0.40	0.029	10
MK11-165	Soil		1.1	18.3	6.7	51	0.1	8.7	7.5	773	2.55	5.2	1.8	1.4	53	<0.1	0.3	<0.1	65	0.57	0.043	14
MK11-166	Soil		0.8	19.8	6.8	44	0.2	10.6	6.2	402	2.76	4.1	3.4	1.8	39	<0.1	0.3	<0.1	64	0.52	0.016	12
MK11-167	Soil		0.8	20.6	6.2	44	<0.1	11.8	8.1	496	2.74	5.5	1.2	1.7	61	0.1	0.3	<0.1	66	0.60	0.048	11
MK11-168	Soil		0.8	18.5	7.1	46	<0.1	10.5	6.8	398	2.80	4.8	4.1	1.9	60	0.2	0.4	<0.1	75	0.54	0.044	11
MK11-169	Soil		0.9	17.7	6.3	44	<0.1	9.2	7.0	451	2.69	4.3	1.4	1.6	56	0.1	0.4	<0.1	72	0.49	0.021	10
MK11-170	Soil		0.7	18.8	6.6	44	0.1	10.6	6.9	437	2.32	2.9	1.3	1.5	39	<0.1	0.3	<0.1	58	0.45	0.021	14
MK11-171	Soil		0.6	15.8	6.1	59	<0.1	8.6	6.0	339	2.24	2.8	0.7	1.4	21	<0.1	0.3	<0.1	54	0.17	0.080	6
MK11-172	Soil		0.3	17.5	6.6	50	0.2	6.4	7.5	390	2.77	2.3	<0.5	0.7	67	<0.1	0.2	<0.1	89	0.73	0.050	8
MK11-173	Soil		1.2	19.0	7.1	37	0.1	11.8	8.0	537	2.63	4.5	3.0	2.1	57	<0.1	0.3	<0.1	73	0.53	0.017	13
MK11-174	Soil		0.6	12.4	6.2	54	0.1	8.9	5.9	334	2.30	2.5	1.1	1.0	28	0.1	0.2	<0.1	52	0.27	0.066	8
MK11-175	Soil		0.8	18.9	5.2	46	<0.1	8.8	6.3	390	2.73	5.8	1.3	1.4	51	<0.1	0.4	<0.1	74	0.41	0.060	11
MK11-176	Soil		0.6	12.5	4.0	45	<0.1	8.6	6.0	482	1.90	2.8	1.3	0.9	27	<0.1	0.2	<0.1	46	0.29	0.059	5
MK11-177	Soil		0.6	18.5	4.3	47	<0.1	10.6	7.9	465	2.66	4.8	2.5	1.2	38	<0.1	0.3	<0.1	70	0.35	0.050	8
MK11-178	Soil		0.9	26.2	6.0	53	0.2	13.8	12.7	598	3.33	8.2	3.2	1.7	56	<0.1	0.3	<0.1	81	0.46	0.083	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 7 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	Analyte	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
MK11-149	Soil	19	0.43	112	0.133	<1	1.32	0.024	0.08	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-150	Soil	18	0.46	132	0.124	2	1.50	0.029	0.09	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
MK11-151	Soil	16	0.37	93	0.147	1	1.17	0.023	0.06	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
MK11-152	Soil	20	0.53	118	0.159	<1	1.77	0.023	0.11	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
MK11-153	Soil	16	0.39	68	0.149	1	1.27	0.026	0.07	<0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
MK11-154	Soil	17	0.43	89	0.126	<1	1.52	0.025	0.07	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
MK11-155	Soil	9	0.27	109	0.136	2	3.62	0.026	0.09	0.2	0.04	4.1	<0.1	<0.05	9	<0.5	<0.2
MK11-156	Soil	14	0.39	109	0.099	1	1.31	0.015	0.07	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
MK11-157	Soil	19	0.37	104	0.122	<1	1.38	0.029	0.05	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
MK11-158	Soil	16	0.37	131	0.094	2	1.43	0.013	0.11	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
MK11-159	Soil	12	0.27	124	0.082	<1	1.50	0.022	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
MK11-160	Soil	16	0.43	109	0.132	<1	1.37	0.020	0.06	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
MK11-161	Soil	18	0.44	117	0.110	1	1.73	0.016	0.09	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
MK11-162	Soil	17	0.42	108	0.100	<1	2.08	0.025	0.05	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
MK11-163	Soil	14	0.36	142	0.111	1	2.41	0.020	0.06	0.1	0.03	3.2	<0.1	<0.05	8	<0.5	<0.2
MK11-164	Soil	16	0.43	113	0.108	2	1.39	0.026	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
MK11-165	Soil	17	0.46	132	0.109	1	1.66	0.021	0.09	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
MK11-166	Soil	18	0.37	153	0.109	2	2.10	0.032	0.06	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5	<0.2
MK11-167	Soil	18	0.51	149	0.101	<1	1.76	0.035	0.09	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
MK11-168	Soil	19	0.44	124	0.137	2	1.45	0.051	0.09	0.1	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
MK11-169	Soil	18	0.40	128	0.119	2	1.67	0.029	0.08	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
MK11-170	Soil	17	0.39	134	0.102	<1	2.05	0.027	0.09	<0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
MK11-171	Soil	14	0.34	137	0.094	<1	2.05	0.022	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
MK11-172	Soil	11	0.58	131	0.094	<1	3.39	0.013	0.16	<0.1	0.02	5.3	<0.1	<0.05	10	<0.5	<0.2
MK11-173	Soil	22	0.51	117	0.126	1	1.81	0.033	0.08	<0.1	0.04	7.6	<0.1	<0.05	6	<0.5	<0.2
MK11-174	Soil	14	0.30	114	0.084	1	1.79	0.019	0.11	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MK11-175	Soil	17	0.36	104	0.121	1	1.17	0.030	0.09	0.1	0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
MK11-176	Soil	14	0.28	126	0.074	2	1.32	0.011	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
MK11-177	Soil	19	0.41	141	0.095	2	1.45	0.011	0.09	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
MK11-178	Soil	21	0.52	272	0.093	1	2.49	0.013	0.10	<0.1	0.05	5.7	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-179	Soil		0.8	17.1	4.0	54	<0.1	10.2	8.6	603	2.44	3.8	2.5	1.0	31	<0.1	0.3	<0.1	65	0.30	0.076	7
MK11-180	Soil		0.7	21.6	4.6	42	0.2	11.0	7.9	550	2.80	6.1	6.8	1.4	45	<0.1	0.4	<0.1	72	0.49	0.050	13
MK11-181	Soil		0.7	16.8	5.1	77	0.3	11.1	8.4	787	2.31	4.2	0.8	1.3	25	0.1	0.2	<0.1	57	0.23	0.115	6
MK11-182	Soil		0.6	24.6	5.1	59	0.1	13.9	9.1	435	2.75	4.4	16.9	1.3	36	<0.1	0.2	<0.1	70	0.35	0.082	7
MK11-183	Soil		1.3	18.5	4.9	54	0.2	10.0	6.9	463	2.22	3.1	0.9	1.3	37	<0.1	0.2	<0.1	55	0.41	0.020	18
MK11-184	Soil		0.8	29.1	7.3	53	<0.1	11.1	8.6	546	2.88	7.3	5.5	1.8	46	<0.1	0.5	<0.1	68	0.45	0.061	14
MK11-185	Soil		0.6	18.4	7.2	56	<0.1	11.0	9.2	646	2.81	3.9	1.3	1.5	47	<0.1	0.4	0.1	78	0.39	0.033	12
MK11-186	Soil		0.4	22.0	5.1	55	0.1	12.9	6.5	269	2.28	2.3	<0.5	1.2	32	<0.1	0.2	<0.1	64	0.28	0.046	9
MK11-187	Soil		0.6	21.1	4.9	42	<0.1	10.0	7.1	299	2.66	3.7	3.7	1.3	43	<0.1	0.4	<0.1	78	0.35	0.022	8
MK11-188	Soil		0.6	14.3	4.2	38	<0.1	6.3	5.4	304	2.20	4.0	8.3	1.3	33	<0.1	0.5	<0.1	57	0.26	0.019	10
MK11-189	Soil		0.6	21.0	4.3	52	<0.1	8.8	5.8	317	2.39	3.9	3.3	1.5	36	<0.1	0.4	<0.1	62	0.35	0.025	13
MK11-190	Soil		0.7	19.4	4.8	51	0.1	8.8	6.4	375	2.49	4.4	3.9	1.5	35	0.1	0.4	<0.1	65	0.34	0.025	10
MK11-191	Soil		0.8	23.2	4.8	47	0.1	10.8	7.1	409	2.63	4.8	11.0	1.5	40	<0.1	0.4	<0.1	71	0.41	0.026	12
MK11-192	Soil		0.9	16.5	3.8	40	<0.1	7.6	6.4	336	2.57	4.5	4.3	1.3	29	<0.1	0.3	<0.1	73	0.35	0.021	9
MK11-193	Soil		0.7	21.3	5.0	48	0.1	12.8	8.1	429	2.70	3.1	1.3	1.5	34	<0.1	0.2	<0.1	77	0.53	0.018	10
MK11-194	Soil		0.8	22.0	5.4	47	<0.1	14.6	9.2	392	3.15	4.2	1.4	1.5	38	<0.1	0.2	<0.1	93	0.52	0.024	9
MK11-195	Soil		0.9	19.9	4.0	44	<0.1	12.9	8.1	399	2.92	3.8	5.6	1.3	36	<0.1	0.2	<0.1	92	0.43	0.026	8
BMS-3	Pulp		445.7	3447	7.7	65	2.2	21.9	19.2	638	4.70	46.0	349.3	1.0	130	1.3	4.9	0.3	86	3.94	0.107	8
MK11-196	Soil		1.1	19.5	4.3	68	0.1	9.6	5.9	478	1.99	3.3	2.2	1.0	26	<0.1	0.2	<0.1	48	0.48	0.077	9
MK11-197	Soil		0.6	20.5	4.3	42	<0.1	11.9	7.4	316	2.54	3.5	2.3	1.1	29	<0.1	0.2	<0.1	76	0.38	0.038	7
MK11-198	Soil		0.9	14.8	4.6	48	<0.1	8.2	6.5	360	2.30	3.4	2.5	1.2	30	<0.1	0.2	<0.1	63	0.34	0.033	9
MK11-199	Soil		0.8	16.0	5.5	48	0.1	8.5	6.2	447	2.33	4.7	3.0	1.2	31	<0.1	0.3	<0.1	59	0.36	0.043	10
MK11-200	Soil		1.0	26.3	6.2	55	0.3	13.9	7.7	402	2.86	4.4	9.8	1.7	42	<0.1	0.3	<0.1	63	0.56	0.026	13
MK11-201	Soil		0.6	24.3	3.7	43	<0.1	14.2	8.9	351	2.86	3.6	2.3	1.4	34	<0.1	0.2	<0.1	90	0.45	0.023	7
MK11-202	Soil		0.7	20.7	5.3	41	0.2	8.7	7.0	526	2.59	5.9	10.0	1.6	56	<0.1	0.4	<0.1	55	0.63	0.064	13
MK11-203	Soil		0.6	18.1	3.5	40	<0.1	9.6	6.7	262	2.62	4.2	2.8	1.3	28	<0.1	0.3	<0.1	81	0.32	0.034	7
MK11-204	Soil		0.7	15.5	4.3	39	<0.1	7.0	5.6	250	2.34	5.1	2.8	1.2	26	<0.1	0.4	<0.1	64	0.26	0.030	7
MK11-205	Soil		0.7	18.3	3.6	40	<0.1	9.5	6.0	270	2.55	3.8	2.1	1.2	30	<0.1	0.3	<0.1	72	0.29	0.025	8
MK11-206	Soil		0.5	27.8	3.0	39	<0.1	14.1	9.0	327	3.02	4.3	0.5	1.4	42	<0.1	0.3	<0.1	102	0.41	0.047	8
MK11-207	Soil		0.7	17.1	3.7	37	<0.1	7.7	6.0	319	2.31	4.4	4.3	1.2	41	<0.1	0.4	<0.1	66	0.35	0.031	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.





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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 8 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	Analyte	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
MK11-179	Soil	16	0.36	140	0.079	1	1.55	0.010	0.08	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
MK11-180	Soil	18	0.44	135	0.088	<1	1.36	0.017	0.07	<0.1	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2
MK11-181	Soil	14	0.33	179	0.072	1	2.07	0.011	0.08	<0.1	0.12	2.6	<0.1	<0.05	6	<0.5	<0.2
MK11-182	Soil	20	0.53	223	0.091	1	2.09	0.012	0.10	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
MK11-183	Soil	16	0.35	158	0.084	2	1.87	0.020	0.07	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-184	Soil	18	0.54	163	0.089	1	1.64	0.014	0.09	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
MK11-185	Soil	20	0.48	161	0.120	1	1.49	0.016	0.09	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
MK11-186	Soil	18	0.40	143	0.098	1	1.62	0.015	0.08	<0.1	0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
MK11-187	Soil	20	0.44	107	0.125	<1	1.05	0.018	0.07	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
MK11-188	Soil	13	0.24	89	0.077	2	0.84	0.012	0.09	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
MK11-189	Soil	17	0.33	130	0.093	1	1.21	0.015	0.10	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MK11-190	Soil	18	0.34	123	0.094	1	1.15	0.014	0.11	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
MK11-191	Soil	21	0.37	154	0.099	<1	1.41	0.021	0.10	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
MK11-192	Soil	18	0.29	91	0.114	<1	0.98	0.013	0.08	<0.1	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
MK11-193	Soil	23	0.39	151	0.111	1	1.66	0.022	0.09	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
MK11-194	Soil	29	0.47	148	0.123	<1	1.67	0.023	0.09	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
MK11-195	Soil	26	0.45	124	0.121	1	1.40	0.016	0.07	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BMS-3	Pulp	25	1.23	65	0.006	4	1.28	0.071	0.20	2.7	0.19	5.5	<0.1	1.55	5	7.1	0.2
MK11-196	Soil	15	0.25	144	0.071	1	1.50	0.014	0.08	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
MK11-197	Soil	22	0.39	113	0.094	<1	1.49	0.015	0.07	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
MK11-198	Soil	16	0.27	127	0.093	<1	1.22	0.013	0.09	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
MK11-199	Soil	15	0.29	117	0.084	<1	1.15	0.013	0.09	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
MK11-200	Soil	27	0.39	153	0.082	<1	2.46	0.021	0.12	<0.1	0.04	5.1	<0.1	<0.05	6	<0.5	<0.2
MK11-201	Soil	26	0.49	132	0.110	<1	1.60	0.020	0.08	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-202	Soil	18	0.42	171	0.056	<1	1.43	0.027	0.08	<0.1	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-203	Soil	21	0.36	102	0.105	<1	1.12	0.011	0.07	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
MK11-204	Soil	14	0.29	96	0.082	1	1.00	0.010	0.07	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
MK11-205	Soil	19	0.36	98	0.100	<1	1.06	0.011	0.06	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MK11-206	Soil	26	0.50	105	0.111	<1	1.43	0.013	0.07	<0.1	0.02	4.3	<0.1	<0.05	4	0.7	<0.2
MK11-207	Soil	16	0.30	88	0.087	<1	0.95	0.013	0.08	<0.1	0.01	3.3	<0.1	<0.05	3	<0.5	<0.2



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-208	Soil		0.8	39.8	6.1	58	0.4	11.8	6.7	616	2.27	4.0	3.2	1.4	34	0.2	0.2	<0.1	50	0.63	0.034	20
MK11-209	Soil		0.7	21.8	4.0	43	<0.1	14.0	8.9	334	2.85	3.6	13.6	1.3	30	<0.1	0.2	<0.1	85	0.43	0.020	6
MK11-210	Soil		0.9	30.8	7.4	67	0.4	12.5	8.1	566	3.03	5.3	7.5	2.0	43	0.1	0.4	0.1	63	0.52	0.026	13
MK11-211	Soil		1.2	19.8	5.9	46	0.2	10.6	7.6	435	2.76	4.4	9.1	1.8	44	<0.1	0.4	<0.1	65	0.43	0.030	12
MK11-212	Soil		1.1	19.0	5.3	44	<0.1	9.7	6.8	332	2.61	3.7	3.5	1.3	41	<0.1	0.4	0.1	69	0.37	0.026	13
MK11-213	Soil		0.7	24.5	5.2	42	<0.1	10.6	6.7	411	2.54	4.3	2.6	1.4	34	<0.1	0.4	<0.1	65	0.47	0.071	10
MK11-214	Soil		0.8	22.3	6.2	45	<0.1	9.5	6.7	460	2.54	5.1	7.4	1.5	31	<0.1	0.5	<0.1	61	0.46	0.057	12
MK11-215	Soil		1.0	15.9	5.4	44	<0.1	8.8	6.5	336	2.74	4.5	7.7	1.3	30	<0.1	0.4	<0.1	74	0.36	0.050	8
MK11-216	Soil		0.8	18.6	5.0	53	<0.1	10.8	6.9	345	2.65	5.7	19.3	1.5	33	<0.1	0.4	<0.1	68	0.34	0.033	10
MK11-217	Soil		0.9	24.8	6.1	45	<0.1	11.1	7.8	533	2.70	6.1	3.7	1.6	52	<0.1	0.4	<0.1	68	0.47	0.072	14
MK11-218	Soil		0.5	21.7	4.7	43	0.1	11.4	7.4	346	2.48	2.2	1.7	1.4	43	<0.1	0.3	<0.1	73	0.41	0.018	10
MK11-219	Soil		0.7	30.3	5.0	49	<0.1	18.7	10.6	482	3.21	4.3	1.1	1.8	63	<0.1	0.3	0.1	85	0.61	0.039	8
MK11-220	Soil		0.5	31.9	5.8	55	0.2	14.4	7.9	510	2.58	3.4	1.7	1.3	48	<0.1	0.2	<0.1	64	0.56	0.032	14
MK11-221	Soil		0.7	18.6	5.2	66	<0.1	12.7	7.3	337	2.54	2.8	1.0	1.2	29	<0.1	0.2	<0.1	70	0.30	0.083	6
MK11-222	Soil		0.9	23.3	5.6	52	<0.1	11.8	8.4	430	2.76	4.6	2.3	1.5	38	<0.1	0.4	<0.1	76	0.36	0.048	10
MK11-223	Soil		0.4	10.3	5.0	53	0.1	10.4	5.2	453	1.80	1.7	<0.5	0.8	21	<0.1	0.1	<0.1	48	0.26	0.080	3
MK11-224	Soil		0.5	25.5	5.5	69	0.1	16.7	7.9	290	2.66	2.7	1.1	1.6	33	0.1	0.2	<0.1	73	0.30	0.079	6
MK11-225	Soil		0.4	18.2	5.3	60	<0.1	13.1	6.7	251	2.55	1.8	0.6	1.3	35	<0.1	0.2	<0.1	74	0.33	0.038	4
MK11-226	Soil		0.4	19.3	6.7	62	0.1	14.3	7.4	421	2.54	3.1	0.9	1.3	35	0.1	0.2	<0.1	75	0.38	0.063	6
MK11-227	Soil		0.6	39.4	5.0	46	0.1	17.6	9.7	383	3.31	4.8	2.9	1.9	44	<0.1	0.4	<0.1	104	0.46	0.044	13
MK11-228	Soil		0.5	20.1	4.6	50	<0.1	13.1	7.9	317	2.88	3.6	2.0	1.5	35	<0.1	0.4	<0.1	87	0.35	0.039	7
MK11-229	Soil		0.7	26.8	8.5	46	<0.1	9.3	7.1	533	2.72	9.3	9.6	2.3	48	<0.1	0.8	0.1	55	0.45	0.046	17
MK11-230	Soil		0.7	23.7	8.8	51	0.1	8.5	8.2	833	2.53	11.3	14.4	1.9	76	0.1	0.7	<0.1	48	1.43	0.058	14
MK11-231	Soil		0.4	16.0	3.6	44	<0.1	10.0	7.2	301	2.09	2.5	0.6	1.1	20	<0.1	0.1	<0.1	51	0.23	0.077	5
MK11-232	Soil		1.4	24.9	8.5	82	0.2	9.5	8.4	1189	2.36	5.7	1.6	0.7	40	0.4	0.3	0.1	56	0.54	0.061	15
MK11-233	Soil		0.8	14.9	5.7	50	0.1	8.6	6.4	333	2.42	4.7	4.0	1.2	29	<0.1	0.4	<0.1	64	0.30	0.091	7
MK11-234	Soil		0.6	13.2	5.8	51	<0.1	8.8	5.6	239	2.52	3.2	2.7	1.3	32	<0.1	0.3	<0.1	72	0.28	0.040	6
MK11-235	Soil		0.7	18.0	5.2	43	<0.1	10.1	6.5	291	2.63	5.0	19.3	1.6	31	<0.1	0.4	<0.1	77	0.32	0.054	8
MK11-236	Soil		0.5	12.5	5.3	51	<0.1	7.6	5.2	439	2.23	3.4	1.4	1.1	29	0.1	0.3	<0.1	66	0.28	0.061	6
MK11-237	Soil		0.6	15.7	5.9	56	0.2	7.9	5.8	452	2.45	4.5	57.9	1.1	40	0.1	0.3	<0.1	71	0.39	0.067	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 9 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	Analyte	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
MK11-208	Soil	17	0.28	188	0.061	<1	2.11	0.017	0.10	<0.1	0.05	4.1	<0.1	<0.05	6	0.9	<0.2
MK11-209	Soil	24	0.47	103	0.119	1	1.60	0.013	0.10	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
MK11-210	Soil	23	0.39	130	0.064	<1	2.07	0.017	0.11	0.1	0.06	6.8	<0.1	<0.05	6	<0.5	<0.2
MK11-211	Soil	20	0.38	145	0.093	2	1.43	0.017	0.10	<0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
MK11-212	Soil	19	0.39	114	0.112	1	1.06	0.023	0.08	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-213	Soil	19	0.41	101	0.080	1	1.33	0.016	0.07	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
MK11-214	Soil	16	0.36	82	0.076	<1	1.29	0.022	0.07	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-215	Soil	18	0.34	69	0.085	1	1.05	0.021	0.06	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
MK11-216	Soil	20	0.41	82	0.112	2	1.26	0.014	0.10	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MK11-217	Soil	19	0.42	139	0.085	1	1.31	0.022	0.08	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
MK11-218	Soil	22	0.43	122	0.129	<1	1.39	0.022	0.07	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
MK11-219	Soil	33	0.63	182	0.118	2	1.83	0.026	0.09	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
MK11-220	Soil	24	0.43	188	0.092	2	1.96	0.019	0.09	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
MK11-221	Soil	20	0.40	156	0.099	<1	1.79	0.017	0.08	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
MK11-222	Soil	20	0.45	125	0.109	<1	1.36	0.024	0.10	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
MK11-223	Soil	15	0.24	147	0.089	<1	1.42	0.016	0.09	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
MK11-224	Soil	23	0.43	223	0.119	1	2.09	0.014	0.10	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
MK11-225	Soil	22	0.37	172	0.139	1	1.56	0.019	0.12	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
MK11-226	Soil	22	0.40	132	0.115	2	1.43	0.015	0.11	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MK11-227	Soil	34	0.56	126	0.131	2	1.80	0.015	0.12	<0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
MK11-228	Soil	24	0.46	112	0.130	1	1.26	0.018	0.10	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
MK11-229	Soil	16	0.39	152	0.042	<1	1.57	0.018	0.14	0.1	0.06	5.9	<0.1	<0.05	5	<0.5	<0.2
MK11-230	Soil	11	0.38	220	0.040	2	1.18	0.026	0.10	0.1	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
MK11-231	Soil	14	0.41	100	0.075	<1	1.17	0.008	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
MK11-232	Soil	16	0.33	301	0.069	3	1.64	0.012	0.19	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
MK11-233	Soil	17	0.28	183	0.092	2	1.21	0.012	0.11	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-234	Soil	18	0.27	211	0.113	2	1.24	0.013	0.10	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MK11-235	Soil	20	0.33	142	0.115	1	1.09	0.024	0.10	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
MK11-236	Soil	17	0.25	178	0.089	2	1.09	0.012	0.08	0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
MK11-237	Soil	17	0.28	221	0.080	2	1.13	0.019	0.10	<0.1	0.02	2.6	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 10 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

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	
MK11-238	Soil	1.1	23.7	6.2	45	0.3	10.7	6.6	319	2.83	6.8	11.8	0.9	37	0.1	0.4	<0.1	80	0.36	0.056	14
MK11-239	Soil	0.8	16.5	6.3	51	<0.1	9.1	6.6	554	2.53	4.6	1.9	1.1	31	<0.1	0.3	<0.1	66	0.36	0.032	9
MK11-240	Soil	1.1	15.5	6.6	43	0.1	7.6	7.2	509	2.71	6.3	12.4	1.6	57	0.1	0.4	<0.1	67	0.56	0.039	11
MK11-241	Soil	1.0	23.4	7.0	45	0.2	8.6	7.2	525	2.86	8.6	23.2	1.5	58	<0.1	0.6	<0.1	78	0.50	0.063	16
MK11-242	Soil	0.5	17.5	6.3	48	<0.1	11.7	7.7	391	2.83	5.7	3.8	1.6	79	<0.1	0.3	<0.1	72	0.69	0.068	12
MK11-243	Soil	0.9	28.8	6.8	55	0.1	18.8	10.4	536	3.19	6.9	5.6	1.3	59	<0.1	0.4	<0.1	88	0.53	0.051	10
MK11-244	Soil	1.4	33.8	10.6	70	0.1	23.6	12.6	819	4.03	10.1	19.7	2.0	67	<0.1	0.5	0.1	100	0.56	0.052	13
MK11-245	Soil	1.1	21.4	7.6	62	0.1	11.3	9.6	790	2.59	4.2	1.5	1.2	29	0.2	0.3	0.1	54	0.47	0.030	15
MK11-246	Soil	1.0	19.4	9.2	92	0.1	8.7	9.3	1599	2.38	4.9	2.8	0.7	32	0.3	0.3	0.1	48	0.45	0.140	12
MK11-247	Soil	0.6	14.7	5.0	56	0.1	8.8	6.0	283	2.29	3.1	15.6	0.9	37	<0.1	0.4	<0.1	59	0.31	0.043	7
MK11-248	Soil	1.1	21.2	11.6	72	0.2	9.7	13.9	1517	3.95	9.5	15.0	1.6	50	0.2	0.5	0.1	52	0.59	0.080	16
MK11-249	Soil	0.9	14.7	5.7	45	<0.1	8.3	6.0	324	2.36	3.6	7.4	1.6	43	<0.1	0.5	<0.1	65	0.35	0.030	9
MK11-250	Soil	0.9	20.4	6.3	51	0.1	10.2	6.7	339	2.60	6.3	46.7	1.3	43	<0.1	0.5	0.1	67	0.39	0.054	10
MK11-251	Soil	1.1	19.3	6.8	44	<0.1	9.3	6.5	396	2.43	7.4	13.7	1.8	41	<0.1	0.5	<0.1	58	0.40	0.060	12
MK11-252	Soil	0.9	17.4	5.8	45	<0.1	8.0	6.0	293	2.46	5.1	8.8	1.6	34	<0.1	0.7	0.1	65	0.31	0.029	10
MK11-253	Soil	0.9	15.8	6.1	56	<0.1	8.1	6.1	487	2.15	4.4	3.4	1.5	42	<0.1	0.5	<0.1	55	0.38	0.046	11
MK11-254	Soil	0.8	11.0	5.9	68	0.1	6.6	4.8	746	1.74	2.1	1.4	0.9	42	0.2	0.3	<0.1	44	0.38	0.033	8
MK11-255	Soil	1.0	17.3	5.8	50	0.2	8.8	6.2	374	2.37	5.3	23.4	1.7	40	<0.1	0.5	<0.1	60	0.35	0.025	13
MK11-256	Soil	0.9	18.1	6.1	62	0.1	8.7	6.1	695	2.12	3.9	6.1	1.1	44	<0.1	0.4	<0.1	52	0.42	0.060	12
MK11-257	Soil	1.0	25.4	6.6	53	0.2	13.0	7.7	478	2.80	7.4	13.9	1.6	46	<0.1	0.6	<0.1	65	0.53	0.059	14
MK11-258	Soil	0.8	28.4	8.4	82	0.2	10.8	8.1	1113	2.36	4.4	7.1	1.3	80	0.3	0.4	0.1	47	0.92	0.068	21
MK11-259	Soil	1.2	16.9	7.6	55	0.3	8.1	7.8	781	2.53	4.2	5.3	1.4	43	<0.1	0.3	0.1	55	0.56	0.028	15
MK11-260	Soil	0.9	26.1	7.5	57	0.4	10.4	8.7	741	2.73	5.9	11.6	1.6	44	0.1	0.4	0.1	61	0.60	0.037	17
BMS-4	Pulp	40.7	4498	35.0	183	3.0	22.1	19.7	743	5.04	63.2	639.6	1.1	121	2.3	10.4	0.5	83	3.93	0.107	8
MK11-261	Soil	1.0	22.2	8.3	63	0.2	9.8	8.2	802	2.43	5.2	6.0	1.2	44	0.2	0.3	<0.1	58	0.63	0.051	14
MK11-262	Soil	0.8	24.1	8.8	69	0.2	8.1	9.0	964	2.35	5.6	7.5	0.7	51	0.2	0.3	<0.1	48	1.08	0.076	17
MK11-263	Soil	0.9	21.2	7.2	59	0.1	11.7	9.3	685	2.78	6.8	7.9	1.8	54	<0.1	0.4	0.1	63	0.64	0.038	13
MK11-264	Soil	0.9	31.3	7.8	87	0.1	11.2	7.6	1018	2.01	3.5	1.5	0.7	72	0.5	0.3	<0.1	43	1.02	0.056	21
MK11-265	Soil	2.1	21.3	7.7	41	0.1	9.9	6.8	392	2.59	7.6	9.4	2.2	46	<0.1	0.5	0.1	54	0.43	0.033	14
MK11-266	Soil	1.0	17.7	8.0	42	0.2	10.4	7.3	514	2.63	6.5	12.0	1.8	69	0.1	0.4	<0.1	63	0.61	0.061	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 10 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	Analyte	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
MK11-238	Soil	23	0.34	130	0.085	<1	1.47	0.013	0.08	<0.1	0.03	4.4	<0.1	<0.05	4	0.6	<0.2
MK11-239	Soil	19	0.28	171	0.099	<1	1.37	0.016	0.10	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MK11-240	Soil	17	0.34	174	0.092	2	1.22	0.024	0.08	<0.1	0.03	4.7	<0.1	<0.05	4	0.6	<0.2
MK11-241	Soil	20	0.33	128	0.094	1	1.08	0.020	0.09	<0.1	0.05	4.6	<0.1	<0.05	3	0.7	<0.2
MK11-242	Soil	24	0.56	197	0.105	2	1.53	0.034	0.12	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
MK11-243	Soil	32	0.68	163	0.137	2	1.71	0.020	0.12	<0.1	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
MK11-244	Soil	35	0.78	219	0.097	2	2.29	0.019	0.16	<0.1	0.04	7.3	<0.1	<0.05	7	<0.5	<0.2
MK11-245	Soil	18	0.35	149	0.085	2	1.79	0.012	0.12	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
MK11-246	Soil	15	0.27	252	0.064	2	1.71	0.008	0.12	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
MK11-247	Soil	16	0.30	151	0.087	1	1.37	0.013	0.14	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MK11-248	Soil	15	0.45	296	0.035	1	2.19	0.011	0.15	0.1	0.03	7.1	0.1	<0.05	6	<0.5	<0.2
MK11-249	Soil	17	0.31	137	0.113	1	1.05	0.027	0.10	<0.1	0.02	4.0	<0.1	<0.05	3	<0.5	<0.2
MK11-250	Soil	18	0.39	125	0.092	2	1.33	0.017	0.11	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
MK11-251	Soil	16	0.38	124	0.081	2	1.39	0.020	0.12	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
MK11-252	Soil	15	0.33	101	0.103	2	1.08	0.031	0.13	<0.1	0.01	4.4	<0.1	<0.05	3	<0.5	<0.2
MK11-253	Soil	15	0.31	148	0.091	1	1.13	0.020	0.13	<0.1	0.01	3.8	<0.1	<0.05	3	<0.5	<0.2
MK11-254	Soil	12	0.20	194	0.086	2	0.94	0.013	0.13	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
MK11-255	Soil	16	0.30	140	0.094	2	1.18	0.018	0.14	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-256	Soil	15	0.27	210	0.084	2	1.16	0.016	0.14	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
MK11-257	Soil	22	0.47	188	0.082	<1	2.05	0.014	0.12	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
MK11-258	Soil	16	0.31	260	0.062	2	1.84	0.014	0.17	<0.1	0.05	4.9	<0.1	<0.05	5	<0.5	<0.2
MK11-259	Soil	15	0.27	158	0.085	2	1.82	0.014	0.13	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
MK11-260	Soil	18	0.35	237	0.092	2	2.24	0.017	0.13	<0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
BMS-4	Pulp	26	1.24	78	0.006	4	1.22	0.072	0.22	0.3	0.45	7.0	0.1	1.90	5	7.0	0.3
MK11-261	Soil	18	0.33	195	0.089	2	1.78	0.014	0.17	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
MK11-262	Soil	14	0.40	203	0.058	3	1.63	0.012	0.16	<0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
MK11-263	Soil	20	0.40	225	0.088	1	2.04	0.017	0.14	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
MK11-264	Soil	13	0.27	212	0.058	3	1.59	0.013	0.15	<0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
MK11-265	Soil	21	0.41	164	0.069	<1	1.82	0.021	0.12	<0.1	0.05	6.0	<0.1	<0.05	5	<0.5	<0.2
MK11-266	Soil	21	0.42	190	0.088	1	1.59	0.031	0.11	<0.1	0.05	6.6	<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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 18, 2011

**Page:** 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11002355.1

Method	1DX15	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	
MK11-267	Soil	0.8	31.0	6.5	51	0.1	15.3	10.2	634	3.07	6.5	9.0	1.9	71	<0.1	0.5	0.1	78	0.62	0.062	14
MK11-268	Soil	0.7	19.6	6.1	43	<0.1	10.3	6.6	346	2.45	5.4	4.4	1.3	38	<0.1	0.4	<0.1	59	0.43	0.058	10
MK11-269	Soil	0.8	17.7	6.7	58	<0.1	10.1	7.8	545	2.23	3.1	1.7	1.4	36	<0.1	0.4	<0.1	58	0.38	0.048	11
MK11-270	Soil	0.8	28.2	8.1	49	<0.1	13.2	7.9	400	2.74	5.8	5.7	2.0	37	<0.1	0.5	<0.1	64	0.39	0.059	11



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 18, 2011

**Page:** 11 of 11 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11002355.1**

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
MK11-267	Soil	25	0.53	196	0.096	2	1.56	0.026	0.13	<0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
MK11-268	Soil	19	0.42	113	0.088	<1	1.47	0.020	0.12	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
MK11-269	Soil	18	0.36	128	0.107	<1	1.27	0.022	0.11	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MK11-270	Soil	22	0.48	121	0.086	<1	1.82	0.018	0.16	<0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 18, 2011

**Page:** 1 of 3 **Part** 1

# QUALITY CONTROL REPORT

VAN11002355.1

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	
Pulp Duplicates																					
MK11-16	Soil	0.7	23.2	6.0	71	<0.1	6.2	14.0	759	4.35	8.6	1.8	1.7	136	<0.1	0.5	<0.1	155	1.44	0.102	15
REP MK11-16	QC	0.6	23.7	6.2	74	<0.1	6.2	14.6	739	4.57	9.0	0.9	1.8	144	0.2	0.4	<0.1	155	1.44	0.104	15
MK11-25	Soil	0.9	17.8	5.6	48	<0.1	8.1	6.0	360	2.50	5.7	3.3	1.3	40	<0.1	0.5	0.1	67	0.32	0.032	12
REP MK11-25	QC	1.0	16.9	5.2	46	<0.1	7.8	6.1	364	2.49	5.8	2.6	1.3	41	<0.1	0.5	0.1	65	0.32	0.032	13
MK11-42	Soil	0.6	16.6	6.5	35	<0.1	7.0	5.8	365	2.36	4.8	1.1	1.6	52	<0.1	0.4	0.1	62	0.42	0.041	9
REP MK11-42	QC	0.6	16.7	6.9	35	<0.1	6.9	5.9	376	2.36	4.7	8.0	1.6	53	<0.1	0.3	<0.1	61	0.40	0.039	9
MK11-69	Soil	1.0	26.6	7.1	52	<0.1	12.0	7.6	432	3.17	7.8	3.2	1.8	47	0.1	0.5	<0.1	76	0.45	0.058	9
REP MK11-69	QC	0.9	27.9	6.4	53	0.1	12.0	8.0	433	3.26	7.6	9.4	1.8	49	<0.1	0.5	<0.1	77	0.45	0.060	9
MK11-70	Soil	0.9	19.1	6.0	48	<0.1	10.3	7.3	319	2.75	5.5	1.5	1.4	37	<0.1	0.4	<0.1	72	0.33	0.046	7
REP MK11-70	QC	0.9	19.4	6.0	50	<0.1	9.7	7.0	335	2.82	5.5	2.9	1.4	38	<0.1	0.5	0.1	72	0.32	0.045	6
MK11-75	Soil	0.9	25.6	6.3	67	<0.1	14.5	9.1	391	3.21	4.6	1.4	1.7	54	<0.1	0.4	<0.1	91	0.44	0.059	7
REP MK11-75	QC	0.8	25.7	6.3	69	<0.1	14.7	9.4	398	3.25	4.5	<0.5	1.7	55	0.1	0.4	0.1	88	0.47	0.063	7
MK11-97	Soil	0.7	13.6	6.2	63	1.3	10.0	6.6	403	2.47	4.4	<0.5	1.1	31	<0.1	0.3	<0.1	63	0.29	0.053	5
REP MK11-97	QC	0.8	13.3	6.3	63	1.6	10.6	6.5	423	2.45	4.1	1.0	1.0	30	<0.1	0.3	<0.1	64	0.30	0.054	5
MK11-117	Soil	1.0	42.6	7.2	63	<0.1	17.5	11.2	865	3.51	7.0	2.0	1.8	74	0.1	0.5	0.1	89	0.66	0.071	16
REP MK11-117	QC	0.9	41.8	7.1	61	<0.1	16.1	10.9	858	3.47	7.0	3.9	1.8	74	<0.1	0.5	0.1	87	0.71	0.069	16
MK11-129	Soil	0.8	22.0	6.7	72	<0.1	14.4	8.9	610	2.83	4.7	0.8	1.4	48	<0.1	0.4	<0.1	70	0.43	0.078	11
REP MK11-129	QC	0.8	22.4	6.7	67	<0.1	14.6	8.8	621	2.82	4.7	0.6	1.5	47	<0.1	0.3	<0.1	71	0.43	0.080	11
MK11-147	Soil	0.8	21.9	6.4	52	0.1	11.4	7.9	416	2.96	6.0	1.2	1.5	56	0.1	0.4	0.1	78	0.38	0.055	10
REP MK11-147	QC	0.9	22.5	6.7	55	0.1	11.9	8.1	405	2.99	6.1	2.0	1.5	55	<0.1	0.5	<0.1	76	0.37	0.056	10
MK11-158	Soil	0.8	15.6	5.6	43	<0.1	8.6	6.6	338	2.69	4.5	15.9	0.9	45	<0.1	0.3	<0.1	72	0.44	0.067	7
REP MK11-158	QC	0.8	15.8	5.9	45	0.1	8.6	6.3	331	2.62	4.6	5.3	0.9	47	<0.1	0.4	<0.1	68	0.46	0.075	7
MK11-176	Soil	0.6	12.5	4.0	45	<0.1	8.6	6.0	482	1.90	2.8	1.3	0.9	27	<0.1	0.2	<0.1	46	0.29	0.059	5
REP MK11-176	QC	0.6	13.2	4.1	46	<0.1	8.3	6.1	509	1.96	2.7	1.9	0.9	26	<0.1	0.2	<0.1	50	0.29	0.059	5
MK11-184	Soil	0.8	29.1	7.3	53	<0.1	11.1	8.6	546	2.88	7.3	5.5	1.8	46	<0.1	0.5	<0.1	68	0.45	0.061	14
REP MK11-184	QC	0.9	29.1	7.4	52	<0.1	11.3	8.5	548	2.88	7.2	12.0	1.8	46	<0.1	0.5	<0.1	68	0.45	0.061	14
MK11-206	Soil	0.5	27.8	3.0	39	<0.1	14.1	9.0	327	3.02	4.3	0.5	1.4	42	<0.1	0.3	<0.1	102	0.41	0.047	8
REP MK11-206	QC	0.5	26.9	3.0	38	<0.1	13.6	8.6	316	3.01	3.9	2.1	1.3	39	<0.1	0.2	<0.1	99	0.41	0.042	8





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 18, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

VAN11002355.1

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																	
MK11-16	Soil	6	0.83	137	0.492	1	4.14	0.041	0.10	0.1	0.02	10.1	<0.1	<0.05	12	<0.5	<0.2
REP MK11-16	QC	5	0.84	140	0.503	<1	4.28	0.047	0.11	0.1	0.04	10.6	<0.1	<0.05	12	<0.5	<0.2
MK11-25	Soil	14	0.38	118	0.092	<1	1.15	0.014	0.08	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	0.2
REP MK11-25	QC	14	0.39	115	0.095	<1	1.15	0.019	0.08	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
MK11-42	Soil	13	0.39	112	0.094	2	1.11	0.030	0.08	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
REP MK11-42	QC	14	0.39	114	0.094	1	1.12	0.029	0.08	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-69	Soil	20	0.50	138	0.121	2	1.60	0.022	0.12	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
REP MK11-69	QC	20	0.49	136	0.118	2	1.48	0.028	0.11	<0.1	<0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-70	Soil	18	0.43	107	0.106	2	1.20	0.026	0.11	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
REP MK11-70	QC	18	0.42	110	0.107	1	1.22	0.020	0.11	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
MK11-75	Soil	24	0.60	132	0.156	1	1.80	0.023	0.12	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
REP MK11-75	QC	22	0.62	134	0.164	1	1.84	0.022	0.13	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
MK11-97	Soil	15	0.36	116	0.106	1	1.62	0.018	0.11	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
REP MK11-97	QC	16	0.39	113	0.101	1	1.77	0.016	0.11	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
MK11-117	Soil	27	0.74	155	0.108	2	1.93	0.032	0.10	<0.1	0.03	7.7	<0.1	<0.05	6	0.7	<0.2
REP MK11-117	QC	28	0.71	155	0.110	2	1.93	0.029	0.10	0.1	0.04	7.3	<0.1	<0.05	6	1.0	<0.2
MK11-129	Soil	20	0.51	160	0.115	1	1.97	0.025	0.09	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
REP MK11-129	QC	20	0.54	165	0.119	2	2.00	0.026	0.10	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
MK11-147	Soil	19	0.48	139	0.119	2	1.66	0.027	0.10	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
REP MK11-147	QC	20	0.47	136	0.123	1	1.69	0.025	0.10	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-158	Soil	16	0.37	131	0.094	2	1.43	0.013	0.11	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
REP MK11-158	QC	16	0.37	140	0.094	2	1.42	0.014	0.12	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
MK11-176	Soil	14	0.28	126	0.074	2	1.32	0.011	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
REP MK11-176	QC	15	0.29	126	0.075	2	1.37	0.010	0.08	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
MK11-184	Soil	18	0.54	163	0.089	1	1.64	0.014	0.09	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
REP MK11-184	QC	18	0.54	163	0.090	<1	1.68	0.014	0.09	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
MK11-206	Soil	26	0.50	105	0.111	<1	1.43	0.013	0.07	<0.1	0.02	4.3	<0.1	<0.05	4	0.7	<0.2
REP MK11-206	QC	27	0.48	96	0.109	<1	1.29	0.013	0.07	<0.1	0.01	4.1	<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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 18, 2011

Page: 2 of 3 Part 1

# QUALITY CONTROL REPORT

VAN11002355.1

		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 ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %	1DX15 La 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
MK11-220	Soil	0.5	31.9	5.8	55	0.2	14.4	7.9	510	2.58	3.4	1.7	1.3	48	<0.1	0.2	<0.1	64	0.56	0.032	14
REP MK11-220	QC	0.6	31.4	5.7	57	0.2	14.2	8.2	484	2.52	3.4	1.3	1.3	48	<0.1	0.2	<0.1	61	0.54	0.031	13
MK11-228	Soil	0.5	20.1	4.6	50	<0.1	13.1	7.9	317	2.88	3.6	2.0	1.5	35	<0.1	0.4	<0.1	87	0.35	0.039	7
REP MK11-228	QC	0.5	19.9	4.8	49	<0.1	13.1	7.7	307	2.86	3.9	1.3	1.5	37	<0.1	0.4	<0.1	88	0.35	0.042	7
MK11-256	Soil	0.9	18.1	6.1	62	0.1	8.7	6.1	695	2.12	3.9	6.1	1.1	44	<0.1	0.4	<0.1	52	0.42	0.060	12
REP MK11-256	QC	0.9	18.2	6.2	62	0.1	8.6	6.3	696	2.13	4.2	2.0	1.2	45	0.1	0.4	<0.1	54	0.43	0.058	12
MK11-266	Soil	1.0	17.7	8.0	42	0.2	10.4	7.3	514	2.63	6.5	12.0	1.8	69	0.1	0.4	<0.1	63	0.61	0.061	15
REP MK11-266	QC	1.1	17.8	6.0	42	0.2	10.7	7.6	536	2.69	6.4	20.3	1.9	70	<0.1	0.4	<0.1	64	0.61	0.064	15
Reference Materials																					
STD DS8	Standard	12.4	110.4	123.9	318	1.8	37.4	7.4	613	2.42	27.1	113.5	6.4	71	2.3	6.5	7.3	41	0.65	0.079	13
STD DS8	Standard	13.4	107.8	122.1	318	1.9	37.1	7.0	605	2.47	27.3	101.8	6.3	73	2.1	6.5	7.0	44	0.69	0.078	14
STD DS8	Standard	13.0	109.8	127.0	316	1.8	36.9	7.6	606	2.45	26.2	107.2	6.5	64	2.3	5.7	6.9	42	0.66	0.079	13
STD DS8	Standard	13.5	109.8	128.5	323	1.8	38.6	7.5	615	2.56	27.0	111.7	7.0	68	2.6	5.9	6.9	43	0.71	0.079	15
STD DS8	Standard	13.1	115.7	132.1	336	1.9	40.5	8.0	667	2.63	27.6	124.5	6.8	72	2.8	6.7	7.4	45	0.72	0.094	14
STD DS8	Standard	13.6	123.1	127.2	337	1.8	38.8	7.6	635	2.58	28.2	115.6	7.1	72	2.6	6.2	7.1	42	0.71	0.094	15
STD DS8	Standard	13.5	118.5	130.5	339	1.9	40.5	7.9	640	2.58	27.4	110.0	6.7	65	2.7	6.1	6.8	41	0.69	0.081	14
STD DS8	Standard	14.1	114.6	134.4	340	1.9	40.2	7.8	650	2.52	28.5	131.7	7.1	67	2.6	6.0	7.2	44	0.69	0.079	15
STD DS8	Standard	13.5	117.7	126.3	342	2.0	39.9	7.5	663	2.73	27.7	128.8	7.1	72	2.6	6.1	7.2	44	0.71	0.086	15
STD DS8	Standard	13.4	116.2	133.8	349	1.9	39.4	7.4	653	2.57	26.8	122.1	7.3	73	2.3	6.0	7.1	42	0.71	0.088	15
STD DS8	Standard	13.5	114.6	126.4	334	1.9	38.1	7.7	652	2.53	26.7	107.0	6.8	75	2.6	6.2	6.7	43	0.71	0.077	15
STD DS8	Standard	13.9	120.4	131.7	338	2.0	39.2	7.5	645	2.53	27.1	109.0	7.0	72	2.6	6.4	7.2	45	0.72	0.079	15
STD DS8	Standard	14.0	121.0	127.9	349	1.9	40.8	7.8	693	2.67	27.3	113.5	7.2	72	2.5	6.3	7.0	47	0.72	0.087	15
STD DS8	Standard	14.4	121.9	133.8	358	1.8	41.3	7.8	670	2.76	27.6	110.9	7.5	79	2.4	6.3	6.8	43	0.73	0.089	17
STD DS8	Standard	13.1	112.3	127.4	313	1.8	38.7	7.6	582	2.34	24.4	113.0	6.9	64	2.2	5.6	6.8	37	0.64	0.077	14
STD DS8	Standard	13.9	115.0	131.5	322	1.9	39.8	7.8	602	2.44	25.4	116.6	7.0	65	2.5	5.9	7.0	39	0.66	0.077	15
STD DS8	Standard	14.7	116.0	110.8	302	1.8	40.2	8.1	649	2.52	26.6	121.6	6.5	63	2.3	5.1	6.1	44	0.72	0.080	15
STD DS8	Standard	13.7	115.5	118.4	304	1.9	38.1	7.8	602	2.43	26.9	113.1	6.7	60	2.2	4.9	6.3	43	0.68	0.078	14
STD DS8	Standard	13.4	114.8	131.0	341	1.9	39.3	8.2	635	2.56	26.7	123.9	7.2	66	2.3	6.2	7.5	43	0.70	0.082	14
STD DS8	Standard	13.8	118.7	134.0	349	2.1	40.0	8.0	646	2.59	27.2	127.3	7.4	68	2.5	6.1	7.6	44	0.70	0.085	14



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
Report Date: June 18, 2011

Page: 2 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11002355.1

		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
MK11-220	Soil	24	0.43	188	0.092	2	1.96	0.019	0.09	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
REP MK11-220	QC	23	0.41	181	0.091	1	1.91	0.022	0.09	<0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
MK11-228	Soil	24	0.46	112	0.130	1	1.26	0.018	0.10	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
REP MK11-228	QC	25	0.48	116	0.132	1	1.29	0.014	0.10	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
MK11-256	Soil	15	0.27	210	0.084	2	1.16	0.016	0.14	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
REP MK11-256	QC	15	0.27	205	0.088	1	1.16	0.013	0.14	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
MK11-266	Soil	21	0.42	190	0.088	1	1.59	0.031	0.11	<0.1	0.05	6.6	<0.1	<0.05	4	<0.5	<0.2
REP MK11-266	QC	22	0.43	189	0.089	2	1.60	0.033	0.11	<0.1	0.05	7.0	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	108	0.61	280	0.119	3	0.87	0.088	0.43	2.9	0.22	2.0	5.6	0.19	5	5.9	5.5
STD DS8	Standard	109	0.60	273	0.121	3	0.92	0.086	0.39	3.1	0.22	2.0	5.6	0.18	5	5.8	5.2
STD DS8	Standard	115	0.61	269	0.109	2	0.89	0.090	0.41	2.9	0.19	2.1	5.3	0.15	4	5.0	4.7
STD DS8	Standard	117	0.61	289	0.119	2	0.94	0.091	0.42	3.2	0.21	2.1	5.5	0.14	5	5.2	5.2
STD DS8	Standard	123	0.62	310	0.119	3	0.98	0.098	0.42	3.2	0.21	2.0	5.7	0.23	5	5.6	5.7
STD DS8	Standard	123	0.62	302	0.124	4	0.97	0.095	0.42	3.0	0.20	2.0	5.6	0.17	5	5.6	5.3
STD DS8	Standard	122	0.62	292	0.115	3	0.93	0.087	0.44	3.2	0.21	2.2	5.6	0.18	5	5.1	5.0
STD DS8	Standard	125	0.59	302	0.121	3	0.86	0.087	0.43	3.3	0.23	2.2	5.7	0.13	5	5.6	5.8
STD DS8	Standard	124	0.67	288	0.123	3	0.97	0.103	0.44	3.1	0.21	2.0	5.5	0.18	5	6.2	5.3
STD DS8	Standard	116	0.64	304	0.121	2	0.96	0.100	0.42	3.2	0.23	2.2	5.7	0.15	5	6.1	5.5
STD DS8	Standard	121	0.59	289	0.122	3	0.91	0.091	0.45	3.1	0.20	2.3	5.3	0.20	5	6.0	5.2
STD DS8	Standard	126	0.64	290	0.122	2	0.91	0.100	0.43	3.1	0.24	2.2	5.6	0.18	5	5.8	5.6
STD DS8	Standard	124	0.64	306	0.126	2	0.97	0.099	0.47	3.3	0.22	2.3	5.6	0.19	5	5.8	5.5
STD DS8	Standard	123	0.66	306	0.125	3	1.07	0.102	0.45	3.3	0.22	2.1	5.7	0.18	5	5.9	5.3
STD DS8	Standard	114	0.59	275	0.111	2	0.88	0.091	0.41	3.1	0.20	2.5	5.7	0.12	4	4.9	5.0
STD DS8	Standard	118	0.62	280	0.116	3	0.90	0.097	0.43	3.1	0.21	2.4	5.7	0.14	5	5.2	5.1
STD DS8	Standard	126	0.61	289	0.110	2	0.90	0.081	0.42	3.2	0.20	1.9	5.7	0.18	5	5.9	5.2
STD DS8	Standard	116	0.61	279	0.105	2	0.88	0.078	0.40	2.9	0.21	1.8	5.6	0.16	5	5.5	5.3
STD DS8	Standard	124	0.64	277	0.122	2	0.90	0.081	0.45	3.2	0.22	2.1	5.7	0.12	5	4.9	5.3
STD DS8	Standard	124	0.65	283	0.125	2	0.92	0.082	0.45	3.3	0.22	2.1	5.8	0.13	5	5.9	5.4



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 18, 2011

Page: 3 of 3 Part 1

# QUALITY CONTROL REPORT

VAN11002355.1

		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 DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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	1.3	<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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 18, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

VAN11002355.1

		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 DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Mammoth Geological Ltd.

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: June 06, 2011

Report Date: June 10, 2011

Page: 1 of 10

## CERTIFICATE OF ANALYSIS

VAN11002356.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: 2011-01  
P.O. Number  
Number of Samples: 248

### 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  
Bill Bay BC V0R 2P4  
Canada

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	245	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	248	Dry at 60C			VAN
1DX2	248	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. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
MK11-271	Soil		0.6	17.0	6.0	62	0.1	9.3	6.4	447	2.31	3.4	1.5	1.1	39	<0.1	0.3	<0.1	61	0.34	0.052	12
MK11-272	Soil		0.6	17.7	5.9	57	<0.1	9.6	6.3	342	2.30	3.0	1.8	1.4	40	<0.1	0.3	<0.1	63	0.30	0.027	12
MK11-273	Soil		0.7	20.1	6.1	49	<0.1	10.3	6.4	406	2.59	6.7	3.1	1.3	45	<0.1	0.5	0.1	67	0.45	0.053	10
MK11-274	Soil		0.7	19.8	6.9	62	<0.1	14.2	8.4	469	2.65	5.4	2.8	1.8	49	<0.1	0.4	<0.1	68	0.45	0.033	9
MK11-275	Soil		0.7	21.0	7.2	53	0.1	10.3	7.6	487	2.54	6.2	4.8	1.5	42	0.1	0.5	<0.1	68	0.40	0.046	13
MK11-276	Soil		0.7	20.9	6.7	46	<0.1	10.8	5.7	328	2.41	6.8	5.9	1.5	41	<0.1	0.5	<0.1	62	0.43	0.067	12
MK11-277	Soil		0.9	26.3	7.5	55	0.2	17.5	10.6	585	3.03	7.3	14.9	1.7	57	<0.1	0.4	<0.1	73	0.54	0.040	12
MK11-278	Soil		1.1	21.2	8.5	122	0.1	8.2	6.9	1608	1.99	4.3	3.0	0.4	56	0.4	0.3	0.1	45	0.77	0.118	11
MK11-279	Soil		0.7	40.6	5.8	52	<0.1	20.9	11.1	553	3.29	5.8	0.6	1.8	60	<0.1	0.4	<0.1	88	0.58	0.064	10
MK11-280	Soil		0.8	26.3	8.2	48	<0.1	11.0	7.5	506	2.69	8.1	52.6	1.6	46	<0.1	0.5	<0.1	60	0.49	0.069	13
MK11-281	Soil		0.8	25.1	7.0	60	<0.1	15.4	10.2	597	2.99	5.7	5.5	1.6	49	<0.1	0.4	<0.1	82	0.46	0.048	11
MK11-282	Soil		0.7	20.3	6.8	45	<0.1	9.8	6.2	420	2.55	6.9	6.3	1.7	44	<0.1	0.4	<0.1	62	0.46	0.069	13
MK11-283	Soil		0.7	27.7	6.4	58	0.2	13.9	8.9	573	2.73	4.8	3.1	1.2	51	0.1	0.3	<0.1	73	0.48	0.041	14
MK11-284	Soil		0.6	29.5	6.1	51	0.1	18.7	10.4	488	3.16	4.6	3.8	1.6	53	<0.1	0.4	<0.1	93	0.54	0.045	10
MK11-285	Soil		0.6	46.0	6.9	83	0.1	13.7	8.5	951	2.17	3.6	2.4	1.2	84	0.3	0.2	0.1	49	0.99	0.042	15
MK11-286	Soil		0.7	27.8	6.9	52	0.1	15.2	8.5	473	2.97	6.8	5.3	1.7	48	<0.1	0.4	0.1	77	0.51	0.046	12
MK11-287	Soil		0.8	20.3	6.2	43	<0.1	12.5	6.7	364	2.73	6.4	4.4	1.5	45	<0.1	0.5	<0.1	76	0.46	0.050	10
MK11-288	Soil		0.7	25.4	7.2	62	0.1	15.2	9.0	493	3.06	5.6	7.4	1.5	48	0.2	0.4	0.1	80	0.46	0.047	10
MK11-289	Soil		0.7	22.5	6.0	46	0.1	9.2	7.1	602	2.55	6.1	4.8	1.6	73	0.2	0.6	<0.1	73	0.78	0.080	12
MK11-290	Soil		0.7	20.9	6.4	51	0.1	10.3	7.8	833	2.39	3.7	1.1	1.0	50	0.2	0.3	<0.1	64	0.46	0.034	13
MK11-291	Soil		0.8	27.3	5.8	57	<0.1	13.7	7.7	325	2.81	5.4	2.9	1.4	43	<0.1	0.3	<0.1	78	0.39	0.042	11
MK11-292	Soil		0.7	29.4	6.6	50	0.2	15.2	7.3	403	2.98	7.4	56.1	1.7	49	<0.1	0.4	<0.1	76	0.55	0.076	13
MK11-293	Soil		0.9	23.2	7.3	57	<0.1	9.9	8.2	720	2.17	2.3	1.2	1.4	56	0.2	0.3	<0.1	52	0.76	0.023	13
MK11-294	Soil		0.9	25.8	6.3	58	<0.1	16.4	10.4	547	3.12	6.4	2.1	1.7	44	<0.1	0.4	<0.1	90	0.49	0.036	21
MK11-295	Soil		1.3	33.2	7.1	71	<0.1	13.3	9.3	910	2.53	3.6	1.5	1.1	66	0.4	0.2	<0.1	69	0.69	0.054	10
EB11-01	Soil		0.4	17.9	8.9	64	<0.1	9.4	7.7	545	2.57	3.2	1.1	1.4	105	0.3	0.2	<0.1	68	0.56	0.088	9
EB11-02	Soil		0.7	11.0	6.9	79	0.1	9.6	5.1	620	1.83	2.5	1.1	1.2	20	<0.1	0.2	<0.1	42	0.19	0.105	5
EB11-03	Soil		0.7	12.0	7.4	58	<0.1	8.1	6.1	571	1.88	2.5	0.7	1.3	52	0.1	0.2	<0.1	43	0.30	0.088	7
EB11-04	Soil		0.6	13.3	6.3	43	<0.1	8.6	6.1	528	2.05	3.5	6.2	1.1	37	<0.1	0.3	<0.1	53	0.33	0.034	13
EB11-05	Soil		0.6	13.1	5.9	45	<0.1	7.8	5.3	271	2.21	3.8	13.2	1.0	35	<0.1	0.3	<0.1	57	0.29	0.024	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 2 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
MK11-271	Soil		18	0.30	158	0.094	<1	1.33	0.014	0.10	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
MK11-272	Soil		19	0.30	152	0.110	1	1.28	0.017	0.15	<0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
MK11-273	Soil		20	0.37	156	0.083	1	1.61	0.018	0.12	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
MK11-274	Soil		22	0.42	164	0.093	<1	1.76	0.020	0.11	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
MK11-275	Soil		20	0.35	125	0.086	1	1.32	0.015	0.14	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
MK11-276	Soil		20	0.33	130	0.081	<1	1.49	0.015	0.11	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
MK11-277	Soil		29	0.56	166	0.101	2	1.90	0.018	0.12	<0.1	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
MK11-278	Soil		13	0.28	384	0.050	3	1.27	0.009	0.19	<0.1	0.04	2.1	<0.1	<0.05	4	<0.5	<0.2
MK11-279	Soil		32	0.71	150	0.111	2	1.93	0.020	0.14	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
MK11-280	Soil		18	0.43	139	0.054	1	1.81	0.013	0.16	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
MK11-281	Soil		27	0.52	152	0.118	2	1.69	0.021	0.15	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
MK11-282	Soil		19	0.37	149	0.080	1	1.52	0.018	0.11	<0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
MK11-283	Soil		25	0.42	163	0.099	1	1.99	0.019	0.14	<0.1	0.04	4.9	<0.1	<0.05	6	0.6	<0.2
MK11-284	Soil		34	0.58	138	0.130	1	1.76	0.024	0.12	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
MK11-285	Soil		16	0.36	255	0.077	2	1.84	0.019	0.17	<0.1	0.03	4.0	<0.1	<0.05	5	0.5	<0.2
MK11-286	Soil		26	0.52	169	0.094	1	1.95	0.018	0.14	<0.1	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
MK11-287	Soil		23	0.40	133	0.096	2	1.53	0.020	0.09	<0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
MK11-288	Soil		27	0.49	159	0.113	<1	2.05	0.021	0.17	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
MK11-289	Soil		17	0.36	147	0.104	2	1.05	0.036	0.09	<0.1	0.05	4.4	<0.1	<0.05	3	<0.5	<0.2
MK11-290	Soil		19	0.32	200	0.097	2	1.55	0.013	0.18	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
MK11-291	Soil		26	0.46	131	0.109	2	2.11	0.015	0.14	<0.1	0.03	5.0	<0.1	<0.05	6	0.5	<0.2
MK11-292	Soil		25	0.55	190	0.093	<1	2.12	0.020	0.12	<0.1	0.04	5.8	<0.1	<0.05	6	<0.5	<0.2
MK11-293	Soil		17	0.28	156	0.093	2	1.76	0.019	0.14	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK11-294	Soil		30	0.61	114	0.121	1	1.87	0.019	0.11	<0.1	0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
MK11-295	Soil		22	0.44	170	0.099	2	1.60	0.014	0.18	<0.1	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
EB11-01	Soil		14	0.44	186	0.146	<1	2.55	0.017	0.14	<0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
EB11-02	Soil		13	0.23	145	0.083	1	1.82	0.018	0.08	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
EB11-03	Soil		11	0.29	146	0.096	1	2.27	0.016	0.10	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5	<0.2
EB11-04	Soil		15	0.33	121	0.082	<1	1.23	0.016	0.07	<0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
EB11-05	Soil		15	0.32	130	0.084	<1	1.19	0.017	0.08	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2





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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-06	Soil	0.9	14.2	6.6	42	<0.1	8.7	6.3	353	2.38	4.5	3.8	1.5	45	<0.1	0.4	<0.1	64	0.40	0.032	10
EB11-07	Soil	0.6	8.7	6.2	49	<0.1	6.7	4.7	258	1.67	2.5	3.6	0.8	23	<0.1	0.2	<0.1	38	0.20	0.077	6
EB11-08	Soil	0.9	25.6	7.4	56	<0.1	11.6	10.5	786	3.15	8.8	2.2	1.8	132	<0.1	0.4	<0.1	79	0.86	0.078	15
EB11-09	Soil	0.7	11.1	5.5	45	<0.1	6.8	4.6	254	1.87	2.2	2.6	0.7	28	<0.1	0.2	<0.1	45	0.29	0.036	8
EB11-10	Soil	0.7	39.4	8.0	56	0.3	15.2	7.1	491	2.78	5.0	2.7	1.4	63	0.2	0.4	0.1	54	0.67	0.044	29
EB11-11	Soil	0.7	23.4	6.5	52	0.2	9.3	5.9	489	2.12	2.5	8.6	1.0	42	0.2	0.3	<0.1	46	0.57	0.029	28
EB11-12	Soil	0.6	17.0	5.5	46	<0.1	7.6	6.7	494	2.33	4.2	1.6	1.3	74	<0.1	0.4	<0.1	63	0.44	0.061	11
EB11-13	Soil	0.7	15.2	6.2	42	<0.1	6.6	5.7	426	2.22	4.1	18.1	1.4	67	<0.1	0.4	<0.1	63	0.42	0.053	10
EB11-14	Soil	0.8	21.0	5.5	45	<0.1	9.0	6.5	425	2.58	5.9	3.9	1.4	67	<0.1	0.4	<0.1	70	0.44	0.048	9
EB11-16	Soil	0.6	41.1	8.2	59	0.3	18.4	11.0	915	3.54	5.5	8.1	2.2	76	0.1	0.3	0.1	68	0.80	0.042	27
EB11-17	Soil	1.1	19.0	6.6	52	0.1	8.6	6.3	421	2.74	7.6	2.6	1.3	39	<0.1	0.4	0.1	59	0.29	0.047	13
EB11-18	Soil	0.8	13.0	5.1	55	<0.1	9.2	5.9	274	2.38	3.2	3.6	1.0	28	<0.1	0.3	<0.1	61	0.22	0.028	6
EB11-19	Soil	1.2	17.1	6.3	48	<0.1	8.2	6.1	400	2.77	5.8	11.0	1.2	39	<0.1	0.4	<0.1	65	0.32	0.035	8
EB11-20	Soil	0.6	14.0	6.4	35	<0.1	7.7	6.3	555	2.31	4.9	10.6	1.5	70	<0.1	0.4	<0.1	64	0.53	0.047	11
EB11-21	Soil	0.6	18.7	5.8	58	<0.1	10.4	6.7	446	2.22	3.3	0.7	1.3	38	<0.1	0.2	<0.1	57	0.27	0.078	10
EB11-22	Soil	0.7	18.1	5.8	55	<0.1	9.1	6.4	510	2.49	5.1	1.2	1.3	51	<0.1	0.3	<0.1	65	0.34	0.057	10
EB11-23	Soil	0.3	42.1	3.6	66	<0.1	16.7	12.2	561	2.97	2.0	1.0	2.4	73	<0.1	<0.1	<0.1	85	0.92	0.131	13
EB11-24	Soil	0.4	39.4	4.6	56	<0.1	124.0	15.6	410	3.00	2.5	1.4	0.9	100	<0.1	0.1	<0.1	72	0.79	0.084	14
EB11-25	Soil	0.5	19.5	6.1	43	<0.1	10.2	6.4	331	2.50	5.1	3.3	1.6	74	<0.1	0.3	<0.1	66	0.52	0.064	10
EB11-26	Soil	0.6	19.4	5.3	49	<0.1	10.2	6.6	304	2.62	4.9	0.9	1.3	62	<0.1	0.3	<0.1	69	0.41	0.043	9
EB11-27	Soil	0.6	14.7	6.4	41	0.1	10.5	7.9	333	2.99	7.5	19.1	1.7	142	<0.1	0.3	<0.1	75	0.84	0.078	16
EB11-28	Soil	0.7	22.1	7.0	57	<0.1	9.2	9.0	590	3.21	7.8	1.2	1.4	132	<0.1	0.3	<0.1	84	0.78	0.066	13
EB11-29	Soil	0.8	27.2	6.9	56	<0.1	12.8	9.0	692	3.09	7.9	2.2	1.6	112	<0.1	0.4	0.1	74	0.69	0.060	13
EB11-30	Soil	0.6	33.2	7.2	55	<0.1	12.0	8.9	579	3.09	8.2	2.9	1.8	97	<0.1	0.4	<0.1	77	0.64	0.056	14
EB11-31	Soil	0.7	34.1	7.8	62	<0.1	13.6	11.2	870	3.26	9.0	2.4	1.7	155	0.1	0.5	<0.1	81	0.88	0.075	14
EB11-32	Soil	0.6	22.7	7.0	54	<0.1	11.7	8.2	436	3.08	7.6	6.0	1.8	99	<0.1	0.4	<0.1	82	0.56	0.050	11
EB11-33	Soil	0.5	26.8	6.5	50	<0.1	24.3	9.1	460	3.03	6.4	1.3	1.7	87	<0.1	0.3	<0.1	75	0.55	0.058	12
EB11-34	Soil	0.5	29.3	6.2	57	<0.1	20.9	9.7	606	3.25	7.2	2.1	1.7	130	<0.1	0.3	<0.1	79	0.77	0.067	14
EB11-35	Soil	0.5	22.6	7.0	62	<0.1	16.3	8.8	580	3.03	6.2	1.3	1.6	96	<0.1	0.3	<0.1	77	0.62	0.079	12
EB11-36	Soil	0.7	16.9	6.3	63	<0.1	11.3	6.5	558	2.45	3.9	0.8	1.1	68	<0.1	0.3	<0.1	65	0.38	0.064	8

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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 3 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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		
EB11-06	Soil	16	0.40	94	0.115	<1	1.22	0.020	0.09	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
EB11-07	Soil	10	0.19	113	0.057	<1	1.42	0.014	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
EB11-08	Soil	21	0.61	248	0.149	<1	2.17	0.047	0.10	<0.1	0.05	6.6	<0.1	<0.05	7	<0.5	<0.2
EB11-09	Soil	11	0.27	148	0.055	2	1.19	0.015	0.07	<0.1	0.02	2.0	<0.1	0.10	4	<0.5	<0.2
EB11-10	Soil	20	0.51	201	0.056	2	2.49	0.021	0.12	<0.1	0.05	7.9	<0.1	0.10	7	<0.5	<0.2
EB11-11	Soil	14	0.31	156	0.054	2	1.36	0.015	0.10	<0.1	0.04	4.1	<0.1	0.10	4	<0.5	<0.2
EB11-12	Soil	14	0.37	135	0.101	1	1.14	0.022	0.10	<0.1	0.02	3.6	<0.1	0.08	4	<0.5	<0.2
EB11-13	Soil	13	0.36	111	0.107	1	0.99	0.017	0.10	<0.1	0.01	3.6	<0.1	0.08	3	<0.5	<0.2
EB11-14	Soil	17	0.40	126	0.094	2	1.22	0.025	0.09	<0.1	0.04	4.2	<0.1	0.07	4	<0.5	<0.2
EB11-16	Soil	28	0.65	244	0.069	2	3.06	0.026	0.12	<0.1	0.06	11.4	<0.1	0.07	9	<0.5	<0.2
EB11-17	Soil	13	0.38	159	0.069	1	1.21	0.009	0.09	<0.1	0.03	3.7	<0.1	0.06	4	<0.5	<0.2
EB11-18	Soil	16	0.36	151	0.070	1	1.24	0.013	0.08	<0.1	0.02	2.0	<0.1	0.05	4	<0.5	<0.2
EB11-19	Soil	15	0.37	138	0.079	<1	1.14	0.016	0.08	<0.1	0.01	2.9	<0.1	0.06	4	<0.5	<0.2
EB11-20	Soil	15	0.44	92	0.108	2	1.47	0.035	0.06	<0.1	0.05	5.5	<0.1	0.06	5	<0.5	<0.2
EB11-21	Soil	14	0.37	112	0.098	2	2.27	0.018	0.07	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
EB11-22	Soil	15	0.39	131	0.099	1	1.47	0.014	0.09	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
EB11-23	Soil	26	0.61	92	0.004	<1	2.33	0.029	0.03	<0.1	<0.01	7.8	<0.1	<0.05	8	<0.5	<0.2
EB11-24	Soil	66	1.80	136	0.142	1	2.09	0.047	0.08	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
EB11-25	Soil	19	0.50	134	0.131	2	1.55	0.027	0.09	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
EB11-26	Soil	18	0.48	122	0.132	1	1.48	0.026	0.08	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
EB11-27	Soil	23	0.62	141	0.129	1	2.34	0.030	0.11	<0.1	0.06	7.4	<0.1	<0.05	7	<0.5	<0.2
EB11-28	Soil	15	0.60	158	0.163	2	2.28	0.029	0.12	<0.1	0.05	6.1	<0.1	<0.05	8	<0.5	<0.2
EB11-29	Soil	20	0.59	150	0.087	2	2.00	0.028	0.13	<0.1	0.04	6.2	<0.1	<0.05	6	<0.5	<0.2
EB11-30	Soil	20	0.60	143	0.092	2	2.10	0.027	0.12	<0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
EB11-31	Soil	20	0.71	169	0.091	2	2.03	0.035	0.15	<0.1	0.05	7.0	<0.1	<0.05	7	<0.5	<0.2
EB11-32	Soil	18	0.58	143	0.150	2	2.08	0.037	0.14	<0.1	0.04	5.6	<0.1	<0.05	7	<0.5	<0.2
EB11-33	Soil	32	0.75	132	0.113	2	2.32	0.027	0.11	<0.1	0.05	5.9	<0.1	<0.05	7	<0.5	<0.2
EB11-34	Soil	30	0.74	174	0.117	2	2.22	0.030	0.13	<0.1	0.04	6.8	<0.1	<0.05	7	<0.5	<0.2
EB11-35	Soil	25	0.63	152	0.134	1	2.25	0.023	0.12	<0.1	0.03	5.0	<0.1	<0.05	7	<0.5	<0.2
EB11-36	Soil	18	0.42	138	0.117	<1	1.71	0.017	0.09	<0.1	0.02	3.5	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-37	Soil	0.6	26.2	6.9	57	<0.1	13.6	8.4	567	3.22	7.2	2.1	1.8	191	<0.1	0.3	<0.1	72	0.75	0.063	15
EB11-38	Soil	0.5	32.3	6.5	60	<0.1	38.4	13.3	704	3.52	6.3	1.3	1.6	150	<0.1	0.3	<0.1	93	0.72	0.058	14
EB11-39	Soil	0.5	33.3	6.2	62	<0.1	32.4	12.5	665	3.40	6.7	1.8	1.6	190	<0.1	0.3	<0.1	82	0.89	0.079	15
EB11-40	Soil	0.7	20.6	6.1	57	<0.1	18.1	9.1	601	2.76	5.1	1.0	1.3	90	<0.1	0.3	<0.1	81	0.49	0.051	9
EB11-41	Soil	0.5	31.7	6.9	56	<0.1	23.9	10.6	550	3.36	7.5	2.4	1.8	132	<0.1	0.3	<0.1	77	0.75	0.071	15
BMS-5	Pulp	483.4	3165	9.1	71	2.1	22.9	18.0	656	4.60	49.5	292.9	1.1	131	1.3	6.8	0.3	85	4.10	0.117	8
EB11-42	Soil	0.9	23.0	5.9	56	<0.1	15.1	8.6	507	2.73	5.5	1.4	1.3	75	<0.1	0.3	<0.1	73	0.43	0.047	10
EB11-43	Soil	0.7	18.6	5.8	56	<0.1	14.8	8.3	491	2.49	4.9	1.0	1.3	68	<0.1	0.3	<0.1	73	0.36	0.058	8
EB11-44	Soil	0.8	16.3	5.4	46	<0.1	9.2	6.4	488	2.42	3.3	1.4	1.1	35	<0.1	0.3	<0.1	68	0.28	0.050	6
EB11-45	Soil	0.5	14.4	5.4	51	<0.1	9.5	6.1	240	2.06	2.3	0.7	0.8	33	<0.1	0.2	0.1	55	0.28	0.045	10
EB11-46	Soil	0.7	22.7	6.0	54	<0.1	12.3	8.8	497	2.76	3.7	0.5	1.3	45	<0.1	0.4	0.1	76	0.40	0.042	8
EB11-47	Soil	0.5	18.6	5.0	49	<0.1	12.1	6.7	262	2.44	2.6	0.6	1.3	42	<0.1	0.3	<0.1	67	0.34	0.028	7
EB11-48	Soil	0.6	13.4	6.7	41	<0.1	9.6	6.2	478	1.84	2.3	2.0	0.9	45	<0.1	0.3	<0.1	51	0.33	0.026	13
EB11-49	Soil	0.6	19.2	6.4	52	<0.1	10.8	7.5	518	2.32	2.1	2.3	1.4	36	0.1	0.3	0.1	64	0.30	0.022	15
EB11-50	Soil	0.6	13.9	5.9	63	<0.1	10.0	7.2	491	2.19	2.3	1.0	0.9	29	<0.1	0.3	0.1	59	0.26	0.051	4
EB11-51	Soil	1.0	36.4	6.6	55	<0.1	12.6	10.3	560	3.04	6.7	2.6	1.5	38	<0.1	0.6	0.1	78	0.34	0.043	10
EB11-52	Soil	0.7	12.9	7.3	51	<0.1	10.1	6.7	553	2.12	2.5	1.0	1.0	32	<0.1	0.3	0.1	57	0.26	0.048	5
EB11-53	Soil	0.5	18.8	7.0	60	<0.1	23.1	8.0	479	2.42	3.3	2.8	1.3	53	<0.1	0.2	0.1	59	0.41	0.040	14
EB11-54	Soil	1.0	23.8	7.9	56	<0.1	14.6	9.1	972	2.78	4.3	2.0	2.4	72	0.1	0.3	0.1	66	0.60	0.030	29
EB11-55	Soil	0.7	15.8	5.8	54	<0.1	14.5	7.4	426	2.39	4.3	1.5	1.3	103	<0.1	0.3	<0.1	70	0.45	0.035	11
EB11-56	Soil	0.7	14.6	6.7	56	<0.1	12.0	7.3	354	2.22	3.3	1.2	1.3	27	<0.1	0.3	0.1	58	0.19	0.081	6
EB11-57	Soil	1.1	13.4	5.9	51	<0.1	11.2	7.6	328	2.22	3.0	0.8	1.0	50	<0.1	0.3	<0.1	66	0.25	0.036	6
EB11-58	Soil	0.5	29.4	7.5	48	<0.1	23.2	9.6	369	2.95	5.5	3.5	2.0	100	<0.1	0.3	<0.1	73	0.58	0.067	12
EB11-59	Soil	0.6	35.7	6.0	52	<0.1	15.7	10.0	549	2.89	5.7	29.0	1.9	69	<0.1	0.6	<0.1	73	0.55	0.067	10
EB11-60	Soil	0.6	26.7	7.0	49	<0.1	15.2	9.6	381	2.62	4.5	2.1	1.9	69	<0.1	0.3	<0.1	72	0.47	0.053	10
EB11-61	Soil	0.7	17.0	6.7	57	<0.1	14.6	8.1	232	2.30	2.4	2.3	1.2	29	<0.1	0.2	0.1	60	0.20	0.076	6
EB11-62	Soil	2.3	24.8	7.1	50	<0.1	17.3	10.8	481	2.74	4.6	15.3	1.7	56	<0.1	0.4	0.1	79	0.57	0.033	8
EB11-63	Soil	0.6	41.8	7.0	51	<0.1	18.6	10.2	401	3.18	5.1	2.8	2.2	81	<0.1	0.3	0.1	74	0.66	0.068	13
EB11-64	Soil	1.1	20.4	6.6	54	<0.1	20.5	10.8	524	2.80	4.7	2.0	1.5	87	<0.1	0.3	<0.1	80	0.56	0.057	9
EB11-65	Soil	0.8	35.9	8.0	58	<0.1	19.6	12.3	739	2.99	6.9	2.7	1.9	94	<0.1	0.4	0.1	81	0.68	0.069	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 4 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-37	Soil	22	0.66	173	0.111	1	2.82	0.034	0.16	<0.1	0.07	7.5	<0.1	<0.05	8	<0.5	<0.2
EB11-38	Soil	54	1.03	159	0.136	1	2.40	0.038	0.12	<0.1	0.03	7.3	<0.1	<0.05	7	<0.5	<0.2
EB11-39	Soil	37	1.10	155	0.114	1	2.41	0.050	0.12	<0.1	0.03	7.7	<0.1	<0.05	7	<0.5	<0.2
EB11-40	Soil	27	0.58	132	0.123	1	1.70	0.029	0.11	<0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
EB11-41	Soil	30	0.88	212	0.109	1	2.91	0.041	0.14	<0.1	0.05	8.0	<0.1	<0.05	8	<0.5	<0.2
BMS-5	Pulp	25	1.24	84	0.006	5	1.30	0.087	0.22	2.8	0.18	6.1	<0.1	1.90	5	5.8	0.2
EB11-42	Soil	21	0.55	137	0.117	1	1.91	0.021	0.09	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
EB11-43	Soil	19	0.50	138	0.112	<1	1.88	0.021	0.09	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
EB11-44	Soil	15	0.35	86	0.085	1	1.24	0.014	0.07	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
EB11-45	Soil	13	0.36	112	0.085	<1	1.63	0.016	0.07	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
EB11-46	Soil	19	0.53	95	0.120	1	1.53	0.016	0.09	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
EB11-47	Soil	20	0.47	92	0.119	2	1.54	0.018	0.09	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
EB11-48	Soil	17	0.33	106	0.079	2	1.16	0.016	0.06	<0.1	0.06	2.9	<0.1	<0.05	4	<0.5	<0.2
EB11-49	Soil	19	0.41	106	0.084	2	1.40	0.018	0.06	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
EB11-50	Soil	16	0.33	112	0.070	1	1.40	0.012	0.07	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
EB11-51	Soil	21	0.62	114	0.074	1	1.44	0.013	0.10	<0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
EB11-52	Soil	16	0.31	123	0.067	2	1.38	0.013	0.08	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
EB11-53	Soil	30	0.57	109	0.059	2	1.62	0.017	0.08	<0.1	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
EB11-54	Soil	27	0.52	137	0.075	1	2.63	0.027	0.13	<0.1	0.04	11.5	<0.1	<0.05	7	<0.5	<0.2
EB11-55	Soil	25	0.44	127	0.118	1	1.29	0.034	0.09	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
EB11-56	Soil	18	0.31	121	0.087	2	1.82	0.014	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
EB11-57	Soil	20	0.31	111	0.098	2	1.26	0.014	0.08	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
EB11-58	Soil	28	0.78	215	0.138	<1	2.34	0.029	0.12	<0.1	0.04	6.4	<0.1	<0.05	6	<0.5	<0.2
EB11-59	Soil	25	0.61	141	0.105	1	1.68	0.024	0.09	<0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
EB11-60	Soil	24	0.63	128	0.136	2	1.70	0.035	0.10	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
EB11-61	Soil	19	0.36	112	0.089	1	1.98	0.014	0.07	<0.1	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
EB11-62	Soil	26	0.64	135	0.125	2	1.72	0.028	0.09	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
EB11-63	Soil	31	0.75	181	0.110	2	2.39	0.025	0.11	<0.1	0.05	8.2	<0.1	<0.05	7	<0.5	<0.2
EB11-64	Soil	25	0.69	137	0.136	1	1.60	0.039	0.08	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
EB11-65	Soil	28	0.71	138	0.115	1	1.66	0.045	0.08	<0.1	0.04	6.5	<0.1	<0.05	5	<0.5	<0.2



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-66	Soil	0.9	20.0	7.4	47	<0.1	14.9	9.1	508	2.87	5.4	4.1	1.8	67	<0.1	0.4	0.1	76	0.67	0.073	11
EB11-67	Soil	0.9	25.6	7.5	66	<0.1	15.6	10.0	510	2.69	3.8	0.9	1.6	30	0.1	0.3	0.1	67	0.31	0.081	9
EB11-68	Soil	1.0	31.5	8.2	55	<0.1	15.9	10.9	615	2.94	6.3	3.9	2.1	63	<0.1	0.4	0.1	73	0.52	0.068	16
EB11-69	Soil	0.9	34.3	7.7	69	<0.1	18.8	11.4	534	3.04	4.6	1.7	1.7	25	0.1	0.3	0.1	75	0.28	0.089	7
EB11-70	Soil	0.7	18.3	6.6	50	<0.1	12.9	7.8	367	2.41	3.5	1.3	1.4	53	<0.1	0.3	<0.1	72	0.41	0.029	8
EB11-71	Soil	0.7	28.2	7.0	58	<0.1	15.5	10.0	509	2.96	5.5	3.4	1.6	63	<0.1	0.4	<0.1	81	0.56	0.066	11
EB11-72	Soil	0.9	49.1	6.8	57	<0.1	23.4	14.3	671	3.51	6.3	4.3	2.3	59	<0.1	0.4	0.1	88	0.80	0.058	15
EB11-73	Soil	1.3	24.1	7.4	45	<0.1	14.6	9.2	489	2.78	5.1	1.6	1.9	66	<0.1	0.3	0.1	72	0.70	0.077	15
EB11-74	Soil	1.6	9.8	7.8	35	<0.1	10.1	9.8	489	2.28	4.6	2.2	1.7	82	<0.1	0.2	<0.1	64	0.57	0.025	12
EB11-75	Soil	1.6	13.7	9.4	67	0.1	9.6	6.9	1439	2.54	5.2	1.5	1.4	28	0.3	0.3	0.1	54	0.24	0.073	21
EB11-76	Soil	1.0	15.9	14.2	76	0.4	9.2	7.0	1950	2.93	5.4	1.9	1.6	34	0.5	0.2	0.2	54	0.42	0.082	72
EB11-77	Soil	0.4	7.6	6.7	70	<0.1	4.0	4.8	614	2.32	1.2	1.9	1.0	379	<0.1	<0.1	<0.1	35	0.29	0.050	12
EB11-78	Soil	0.9	17.4	9.2	73	<0.1	9.9	7.2	717	2.85	4.5	1.3	1.8	164	<0.1	0.1	0.1	48	0.23	0.122	12
EB11-79	Soil	0.3	8.4	6.1	77	<0.1	5.6	4.2	889	1.68	1.3	<0.5	0.7	224	0.2	<0.1	<0.1	29	0.30	0.079	7
EB11-80	Soil	0.7	25.9	6.5	58	<0.1	12.1	7.8	562	3.03	4.3	1.8	1.7	293	<0.1	0.2	<0.1	56	0.60	0.043	19
EB11-81	Soil	0.9	15.5	6.3	46	<0.1	10.1	7.4	374	2.26	4.1	37.9	1.1	34	<0.1	0.3	<0.1	64	0.28	0.020	9
EB11-82	Soil	0.6	15.7	7.8	37	0.1	8.6	6.8	542	1.79	3.1	2.6	1.2	30	<0.1	0.2	0.1	42	0.31	0.021	18
EB11-83	Soil	0.6	12.6	6.2	63	0.1	8.5	5.7	455	2.04	2.1	2.5	1.0	35	<0.1	0.3	0.1	49	0.33	0.078	8
EB11-84	Soil	0.6	9.1	6.4	46	0.1	6.4	5.9	477	1.76	0.6	7.2	0.8	27	<0.1	0.2	<0.1	45	0.23	0.024	10
EB11-85	Soil	0.5	8.6	5.9	41	0.1	6.6	4.8	226	1.88	1.3	3.0	0.8	39	<0.1	0.2	<0.1	53	0.28	0.022	6
EB11-86	Soil	0.5	10.0	6.0	63	0.1	6.9	5.2	392	1.79	2.1	1.3	0.9	37	<0.1	0.2	<0.1	45	0.31	0.122	5
EB11-87	Soil	0.6	13.0	6.1	49	0.1	7.4	6.1	331	2.36	2.9	4.4	0.9	57	0.1	0.3	<0.1	67	0.39	0.049	6
EB11-88	Soil	0.5	8.8	6.1	57	<0.1	5.7	5.6	264	1.79	1.4	1.7	0.9	24	<0.1	0.2	<0.1	45	0.19	0.067	6
EB11-89	Soil	0.5	19.5	7.1	52	<0.1	8.9	6.6	456	2.30	3.6	3.2	1.3	51	0.1	0.3	0.1	59	0.44	0.033	15
EB11-90	Soil	0.5	9.7	6.3	60	0.1	7.9	5.3	213	1.88	2.8	1.1	0.9	23	0.1	0.2	0.1	43	0.21	0.108	5
EB11-91	Soil	0.7	9.4	7.2	40	<0.1	6.9	4.8	219	1.91	1.9	1.7	0.7	26	<0.1	0.2	<0.1	46	0.21	0.026	8
EB11-92	Soil	0.7	14.7	7.2	62	<0.1	11.2	6.8	181	2.02	2.2	<0.5	0.9	21	<0.1	0.1	0.1	44	0.19	0.070	5
EB11-93	Soil	0.7	18.0	6.4	75	<0.1	13.8	8.2	362	2.63	3.2	0.7	1.1	34	<0.1	0.3	<0.1	68	0.32	0.102	6
EB11-94	Soil	0.5	14.9	6.0	66	<0.1	12.6	6.9	329	2.33	2.1	0.6	0.9	36	<0.1	0.3	0.1	62	0.36	0.041	9
EB11-95	Soil	0.7	27.9	6.0	67	<0.1	15.2	10.0	484	3.20	5.5	0.8	1.4	52	<0.1	0.4	<0.1	87	0.40	0.053	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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 5 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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		
EB11-66	Soil	26	0.66	131	0.121	1	1.63	0.043	0.09	0.1	0.02	6.6	<0.1	<0.05	5	<0.5	<0.2
EB11-67	Soil	21	0.56	118	0.091	2	2.29	0.018	0.07	<0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2
EB11-68	Soil	24	0.72	154	0.106	1	2.11	0.030	0.10	<0.1	0.03	6.4	<0.1	<0.05	6	<0.5	<0.2
EB11-69	Soil	24	0.66	113	0.076	1	2.87	0.012	0.10	<0.1	0.03	4.3	<0.1	<0.05	8	<0.5	<0.2
EB11-70	Soil	21	0.50	120	0.141	1	1.39	0.045	0.08	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
EB11-71	Soil	24	0.64	146	0.126	1	1.69	0.043	0.10	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
EB11-72	Soil	34	0.87	131	0.103	2	2.33	0.029	0.10	<0.1	0.06	8.4	<0.1	<0.05	7	<0.5	<0.2
EB11-73	Soil	24	0.69	110	0.121	1	1.72	0.036	0.10	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
EB11-74	Soil	21	0.54	119	0.112	<1	1.68	0.038	0.05	<0.1	0.03	6.2	<0.1	<0.05	6	<0.5	<0.2
EB11-75	Soil	15	0.36	94	0.084	<1	1.83	0.014	0.06	<0.1	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
EB11-76	Soil	15	0.37	70	0.091	<1	1.78	0.017	0.07	<0.1	0.07	12.4	<0.1	<0.05	8	<0.5	<0.2
EB11-77	Soil	6	0.52	344	0.065	<1	3.71	0.017	0.07	<0.1	0.03	2.4	<0.1	<0.05	10	<0.5	<0.2
EB11-78	Soil	14	0.55	266	0.082	<1	4.59	0.011	0.09	<0.1	0.06	3.9	<0.1	<0.05	10	<0.5	<0.2
EB11-79	Soil	6	0.27	282	0.048	<1	2.54	0.013	0.12	<0.1	0.01	1.7	<0.1	<0.05	7	<0.5	<0.2
EB11-80	Soil	18	0.69	351	0.066	<1	3.10	0.015	0.13	<0.1	0.03	7.0	<0.1	<0.05	7	<0.5	<0.2
EB11-81	Soil	17	0.36	170	0.098	<1	1.32	0.019	0.08	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
EB11-82	Soil	14	0.30	144	0.066	<1	1.28	0.016	0.10	<0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
EB11-83	Soil	13	0.27	173	0.074	2	1.28	0.012	0.10	<0.1	0.02	2.6	<0.1	<0.05	5	0.7	<0.2
EB11-84	Soil	11	0.24	98	0.074	<1	1.15	0.014	0.08	<0.1	0.01	2.1	<0.1	<0.05	4	0.7	<0.2
EB11-85	Soil	11	0.25	111	0.109	1	1.25	0.016	0.08	<0.1	0.01	2.3	<0.1	<0.05	4	1.2	<0.2
EB11-86	Soil	10	0.22	146	0.085	2	1.43	0.013	0.10	<0.1	0.03	2.3	<0.1	<0.05	5	0.9	<0.2
EB11-87	Soil	14	0.31	145	0.112	2	1.21	0.011	0.13	<0.1	0.01	2.7	<0.1	<0.05	4	0.8	<0.2
EB11-88	Soil	11	0.21	119	0.066	2	1.23	0.013	0.07	<0.1	0.01	2.1	<0.1	<0.05	4	0.6	<0.2
EB11-89	Soil	16	0.40	117	0.082	2	1.50	0.017	0.10	<0.1	0.03	4.8	<0.1	<0.05	5	0.8	<0.2
EB11-90	Soil	11	0.23	123	0.069	2	1.61	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
EB11-91	Soil	12	0.26	95	0.065	2	1.26	0.015	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	0.7	<0.2
EB11-92	Soil	14	0.27	155	0.068	<1	2.44	0.016	0.08	<0.1	0.02	2.1	<0.1	<0.05	8	0.5	<0.2
EB11-93	Soil	20	0.41	131	0.114	2	1.90	0.015	0.10	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
EB11-94	Soil	20	0.40	130	0.099	2	1.72	0.016	0.07	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
EB11-95	Soil	25	0.58	137	0.131	2	1.80	0.017	0.11	<0.1	0.02	4.2	<0.1	<0.05	6	0.5	<0.2



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-97	Soil	0.8	25.8	7.5	62	<0.1	11.6	7.9	597	2.62	4.3	2.9	1.6	47	0.2	0.4	<0.1	67	0.45	0.064	13
EB11-98	Soil	0.8	23.6	7.4	61	<0.1	15.7	8.3	622	2.43	3.7	1.7	1.6	48	0.1	0.3	<0.1	61	0.43	0.060	12
EB11-99	Soil	0.7	22.2	7.8	55	0.1	13.1	7.3	472	2.82	6.6	3.8	1.9	44	0.1	0.5	<0.1	64	0.43	0.052	15
EB11-100	Soil	1.1	22.2	9.7	58	0.2	12.8	7.6	532	2.84	5.1	9.8	1.6	42	0.1	0.4	0.1	64	0.38	0.051	17
EB11-101	Soil	1.0	19.5	6.8	55	<0.1	12.7	6.8	463	2.58	5.0	3.7	1.5	40	0.1	0.3	<0.1	57	0.39	0.049	13
EB11-102	Soil	0.9	17.3	7.6	50	0.1	10.4	6.6	478	2.50	4.7	3.8	1.4	38	<0.1	0.3	0.1	51	0.36	0.051	13
EB11-103	Soil	0.7	17.2	6.6	85	0.1	10.2	5.1	381	1.99	2.6	2.8	1.9	31	0.1	0.2	<0.1	36	0.27	0.104	13
EB11-104	Soil	0.9	19.6	8.0	54	0.1	11.2	8.3	619	2.58	5.0	3.4	1.6	43	0.1	0.3	0.1	53	0.42	0.049	13
EB11-105	Soil	1.2	15.5	5.8	50	<0.1	7.5	6.2	460	2.45	5.4	2.5	1.5	33	<0.1	0.3	<0.1	50	0.32	0.047	12
EB11-106	Soil	0.5	28.1	4.8	40	<0.1	11.3	8.1	350	2.15	4.4	1.2	1.0	43	0.1	0.2	<0.1	52	0.50	0.061	8
EB11-107	Soil	1.2	18.5	7.0	53	0.1	10.0	7.4	542	2.39	7.2	9.7	1.4	33	0.1	0.3	<0.1	45	0.39	0.057	14
BMS-6	Pulp	37.8	4678	35.4	196	2.9	20.8	19.7	800	5.43	68.0	625.6	1.1	129	2.5	10.3	0.5	86	4.09	0.108	8
EB11-108	Soil	1.2	28.4	9.0	69	0.1	16.1	9.6	683	2.87	6.9	3.2	1.6	46	0.1	0.2	0.1	59	0.52	0.060	14
EB11-109	Soil	0.8	23.2	5.7	53	0.1	13.0	9.3	590	2.55	5.2	2.2	1.3	39	<0.1	0.3	<0.1	58	0.45	0.056	11
EB11-110	Soil	1.0	51.8	10.9	72	0.1	20.9	17.0	1015	3.45	8.2	2.5	1.5	64	0.2	0.3	0.2	78	0.65	0.079	12
EB11-111	Soil	0.8	26.8	6.1	52	<0.1	12.5	10.2	655	2.70	5.1	1.8	1.6	57	0.1	0.3	<0.1	67	0.52	0.071	12
EB11-112	Soil	0.9	21.3	9.0	54	0.2	11.5	9.1	682	2.78	6.7	264.2	1.9	64	0.1	0.4	<0.1	62	0.62	0.050	14
EB11-113	Soil	0.9	77.7	10.5	88	0.2	24.3	21.5	1134	4.50	9.6	3.8	1.6	81	0.2	0.3	0.2	92	0.72	0.084	13
EB11-114	Soil	1.0	38.6	9.2	71	<0.1	18.7	12.4	746	3.08	5.7	8.4	1.5	65	<0.1	0.3	0.1	68	0.61	0.076	13
EB11-115	Soil	0.6	21.2	5.2	58	<0.1	11.8	7.1	351	2.54	2.8	0.6	1.3	33	<0.1	0.3	<0.1	70	0.31	0.056	7
EB11-116	Soil	0.8	33.8	7.2	53	<0.1	17.4	9.6	520	3.21	5.1	3.1	1.7	48	0.1	0.3	<0.1	84	0.47	0.069	12
EB11-117	Soil	0.9	32.0	7.4	65	0.2	12.1	8.5	836	2.73	4.8	1.9	1.4	54	0.2	0.3	0.1	59	0.54	0.041	19
EB11-118	Soil	1.1	30.1	10.2	72	0.2	12.3	7.5	714	2.98	5.2	3.1	1.3	49	0.3	0.4	0.2	63	0.63	0.053	23
EB11-119	Soil	0.9	22.6	8.9	61	<0.1	10.2	7.7	600	2.58	4.1	3.3	1.1	39	0.2	0.3	0.1	64	0.46	0.075	16
EB11-120	Soil	0.8	20.6	6.3	80	<0.1	11.1	8.0	634	2.74	2.2	1.6	1.7	47	0.1	0.3	0.1	64	0.54	0.038	13
EB11-121	Soil	0.5	11.8	5.2	60	<0.1	8.6	6.7	302	2.18	1.1	1.0	1.2	30	<0.1	0.2	<0.1	55	0.31	0.036	6
EB11-122	Soil	0.7	18.9	7.0	52	<0.1	9.1	6.6	478	2.29	3.9	2.9	1.9	44	<0.1	0.3	<0.1	56	0.47	0.044	15
EB11-123	Soil	1.2	23.4	9.1	58	0.1	11.6	9.0	749	2.74	7.0	19.6	2.0	68	0.1	0.5	0.1	61	0.60	0.055	14
EB11-124	Soil	0.9	25.7	7.7	56	<0.1	11.6	8.1	581	2.68	5.7	12.8	1.8	50	0.1	0.5	<0.1	66	0.52	0.049	14
EB11-125	Soil	0.9	25.8	9.5	70	0.1	12.5	9.0	704	2.95	5.9	4.8	1.9	54	0.1	0.5	0.1	67	0.51	0.033	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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 6 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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
EB11-97	Soil	20	0.39	164	0.098	2	1.25	0.019	0.22	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
EB11-98	Soil	23	0.43	155	0.105	2	1.27	0.026	0.15	<0.1	0.01	4.1	<0.1	<0.05	5	0.7	<0.2
EB11-99	Soil	24	0.40	138	0.080	2	1.65	0.013	0.19	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
EB11-100	Soil	23	0.39	174	0.090	2	1.32	0.015	0.15	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
EB11-101	Soil	22	0.39	135	0.081	2	1.22	0.018	0.15	<0.1	0.07	4.0	<0.1	<0.05	4	0.6	<0.2
EB11-102	Soil	18	0.35	118	0.076	2	0.97	0.021	0.14	<0.1	0.02	3.6	<0.1	<0.05	4	0.8	<0.2
EB11-103	Soil	14	0.26	282	0.072	2	1.40	0.024	0.15	0.1	0.01	2.8	<0.1	<0.05	4	0.6	<0.2
EB11-104	Soil	17	0.43	132	0.067	2	1.23	0.026	0.14	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
EB11-105	Soil	15	0.28	97	0.070	2	0.90	0.015	0.13	<0.1	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
EB11-106	Soil	19	0.48	76	0.077	2	1.10	0.018	0.10	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
EB11-107	Soil	15	0.38	118	0.051	1	1.02	0.015	0.13	<0.1	0.01	3.3	<0.1	<0.05	4	0.6	<0.2
BMS-6	Pulp	26	1.23	73	0.005	5	1.22	0.072	0.24	0.2	0.49	6.9	0.2	1.93	5	7.1	0.4
EB11-108	Soil	27	0.68	155	0.076	1	1.71	0.020	0.17	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
EB11-109	Soil	19	0.47	140	0.077	2	1.29	0.018	0.14	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
EB11-110	Soil	27	0.76	175	0.096	<1	1.80	0.030	0.16	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
EB11-111	Soil	21	0.50	131	0.089	1	1.18	0.024	0.11	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
EB11-112	Soil	21	0.41	182	0.067	2	1.53	0.020	0.15	<0.1	0.03	5.1	<0.1	<0.05	5	0.5	<0.2
EB11-113	Soil	29	1.06	179	0.103	1	2.55	0.040	0.21	<0.1	0.04	8.5	<0.1	<0.05	8	<0.5	<0.2
EB11-114	Soil	28	0.79	164	0.098	<1	1.82	0.030	0.16	<0.1	0.01	5.7	<0.1	<0.05	7	<0.5	<0.2
EB11-115	Soil	21	0.36	130	0.108	1	1.23	0.017	0.12	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
EB11-116	Soil	29	0.54	139	0.103	1	1.71	0.022	0.14	<0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
EB11-117	Soil	20	0.35	232	0.073	2	1.81	0.018	0.13	<0.1	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
EB11-118	Soil	20	0.39	228	0.065	2	1.93	0.018	0.17	<0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
EB11-119	Soil	17	0.44	155	0.080	3	1.21	0.018	0.15	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
EB11-120	Soil	18	0.38	187	0.108	2	1.85	0.021	0.14	<0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
EB11-121	Soil	16	0.32	130	0.112	2	1.36	0.016	0.14	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
EB11-122	Soil	17	0.37	153	0.089	2	1.51	0.026	0.14	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
EB11-123	Soil	19	0.43	270	0.066	2	1.65	0.025	0.15	<0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
EB11-124	Soil	21	0.42	171	0.085	3	1.58	0.036	0.19	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
EB11-125	Soil	22	0.43	211	0.082	3	2.05	0.020	0.22	<0.1	0.04	5.5	<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.





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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-126	Soil	1.0	24.8	6.0	71	<0.1	13.0	8.1	558	3.04	5.0	4.4	1.8	55	0.2	0.4	0.1	76	0.49	0.034	13
EB11-127	Soil	1.0	11.8	6.7	77	<0.1	8.3	5.5	800	1.91	2.6	2.3	1.2	38	0.2	0.4	<0.1	47	0.34	0.051	10
EB11-128	Soil	0.6	14.6	5.7	51	0.1	7.0	4.8	491	1.86	2.0	2.0	1.1	40	<0.1	0.3	<0.1	45	0.38	0.021	11
EB11-129	Soil	0.6	7.5	5.4	65	<0.1	6.2	3.4	394	1.49	1.7	1.5	1.1	25	<0.1	0.2	0.1	37	0.22	0.050	7
EB11-130	Soil	0.8	11.2	5.7	81	<0.1	6.8	4.6	465	1.93	2.6	9.2	1.2	34	0.1	0.3	0.1	48	0.32	0.053	7
EB11-131	Soil	0.7	10.7	5.9	69	<0.1	7.6	4.2	287	1.79	2.7	<0.5	1.4	29	<0.1	0.3	<0.1	43	0.26	0.103	7
EB11-132	Soil	0.8	10.1	6.2	58	<0.1	6.5	4.3	535	1.70	2.6	1.3	1.3	33	0.1	0.4	<0.1	41	0.33	0.054	9
EB11-133	Soil	0.8	11.9	6.8	84	<0.1	6.9	4.8	682	1.81	2.4	3.3	1.3	32	0.2	0.3	0.1	48	0.31	0.065	10
EB11-134	Soil	0.6	9.3	5.5	65	<0.1	7.4	4.1	305	1.83	2.0	12.1	1.2	29	0.1	0.3	<0.1	49	0.26	0.039	8
EB11-135	Soil	0.5	11.5	5.9	56	<0.1	7.6	5.1	320	2.14	2.5	3.0	1.3	34	<0.1	0.3	<0.1	58	0.28	0.041	8
EB11-136	Soil	0.9	13.0	6.2	92	<0.1	8.3	5.8	482	2.19	3.0	<0.5	1.1	35	0.1	0.2	0.1	50	0.33	0.091	10
EB11-137	Soil	0.6	14.3	5.1	65	<0.1	11.1	6.0	337	2.54	3.1	0.7	1.3	37	<0.1	0.2	<0.1	65	0.33	0.045	8
EB11-138	Soil	0.8	9.1	5.4	71	<0.1	6.5	4.4	514	2.03	2.0	0.6	0.9	37	<0.1	0.2	<0.1	46	0.38	0.032	8
EB11-139	Soil	0.7	8.8	7.9	80	<0.1	6.0	4.6	758	1.70	1.9	<0.5	1.2	45	0.1	0.1	0.1	35	0.50	0.070	9
EB11-140	Soil	0.7	13.4	14.6	101	0.1	4.8	6.7	1473	2.30	4.1	<0.5	0.8	37	0.3	0.1	0.1	38	0.54	0.218	15
EB11-141	Soil	0.7	17.5	7.5	49	<0.1	9.2	6.7	424	2.63	7.9	5.6	1.5	41	<0.1	0.7	<0.1	72	0.41	0.040	10
EB11-142	Soil	0.7	22.5	7.1	57	<0.1	10.3	7.8	603	2.65	6.8	1.9	1.3	48	0.1	0.5	<0.1	68	0.50	0.055	11
EB11-143	Soil	0.8	23.7	9.4	62	<0.1	12.3	9.9	699	2.90	6.9	2.5	1.4	52	0.1	0.5	<0.1	76	0.44	0.035	15
EB11-144	Soil	0.8	21.1	7.8	65	0.1	11.9	7.7	750	2.56	6.4	2.4	1.0	49	0.3	0.5	<0.1	58	0.51	0.047	18
EB11-145	Soil	0.8	26.6	8.8	64	<0.1	19.2	11.8	616	3.62	8.0	2.9	1.9	60	<0.1	0.4	0.1	96	0.60	0.045	12
EB11-146	Soil	0.7	26.7	8.1	62	<0.1	14.7	9.7	734	3.04	6.5	3.9	1.6	55	0.1	0.5	<0.1	82	0.57	0.047	20
EB11-147	Soil	0.9	22.7	9.6	69	0.1	13.2	8.4	678	2.95	7.3	6.0	1.0	63	0.2	0.5	0.1	70	0.53	0.050	20
EB11-148	Soil	0.6	22.8	8.9	59	<0.1	11.2	8.2	697	2.77	7.1	3.2	1.3	43	0.1	0.4	0.1	68	0.57	0.065	17
EB11-149	Soil	0.8	27.3	10.0	81	0.2	10.7	8.6	1061	2.58	5.8	2.7	0.8	53	0.2	0.4	0.1	58	0.57	0.067	24
EB11-150	Soil	0.7	23.4	7.4	65	0.1	11.0	8.5	953	2.54	4.6	1.5	0.9	55	0.2	0.4	0.1	68	0.51	0.039	20
EB11-151	Soil	0.7	23.0	7.8	86	<0.1	12.3	9.0	673	2.83	6.5	4.6	1.2	37	0.2	0.5	0.1	74	0.41	0.117	9
EB11-152	Soil	0.5	14.7	5.1	50	<0.1	8.4	5.5	309	1.97	2.9	<0.5	0.9	36	<0.1	0.3	0.1	55	0.31	0.038	8
EB11-153	Soil	0.7	14.7	7.5	67	<0.1	9.3	6.8	796	2.07	2.5	1.6	1.0	35	0.2	0.3	0.1	54	0.35	0.052	10
EB11-154	Soil	0.7	13.6	6.6	61	<0.1	8.3	6.6	552	2.09	2.2	1.1	0.8	36	<0.1	0.3	0.1	55	0.30	0.024	11
EB11-155	Soil	0.8	15.9	7.5	52	<0.1	8.8	7.0	665	2.18	2.3	5.5	1.3	35	<0.1	0.3	<0.1	58	0.33	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11002356.1

Method	Analyte	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
EB11-126	Soil	29	0.43	173	0.111	3	1.85	0.052	0.19	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
EB11-127	Soil	14	0.18	215	0.086	2	1.15	0.010	0.16	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
EB11-128	Soil	14	0.19	148	0.086	1	1.29	0.018	0.12	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
EB11-129	Soil	9	0.13	170	0.074	2	1.03	0.012	0.11	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
EB11-130	Soil	11	0.19	209	0.096	2	1.25	0.013	0.14	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
EB11-131	Soil	12	0.17	186	0.078	1	1.21	0.012	0.16	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
EB11-132	Soil	11	0.15	194	0.079	2	1.16	0.014	0.14	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
EB11-133	Soil	12	0.15	206	0.084	2	1.20	0.019	0.15	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
EB11-134	Soil	13	0.16	146	0.088	1	1.03	0.014	0.13	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
EB11-135	Soil	16	0.20	154	0.109	1	1.11	0.016	0.12	0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
EB11-136	Soil	14	0.32	155	0.074	2	1.47	0.012	0.14	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
EB11-137	Soil	21	0.32	135	0.126	2	1.48	0.026	0.16	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
EB11-138	Soil	14	0.22	110	0.090	1	1.44	0.013	0.17	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
EB11-139	Soil	10	0.24	124	0.092	2	1.51	0.015	0.16	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
EB11-140	Soil	8	0.31	141	0.059	2	2.04	0.012	0.12	0.2	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
EB11-141	Soil	17	0.38	106	0.094	2	1.25	0.028	0.12	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
EB11-142	Soil	19	0.43	146	0.080	2	1.64	0.018	0.15	<0.1	0.04	4.3	<0.1	<0.05	5	<0.5	<0.2
EB11-143	Soil	24	0.43	161	0.097	2	1.61	0.014	0.20	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
EB11-144	Soil	19	0.36	183	0.064	2	1.72	0.012	0.16	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
EB11-145	Soil	36	0.69	182	0.104	2	2.19	0.022	0.13	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
EB11-146	Soil	27	0.47	204	0.099	2	1.71	0.015	0.14	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
EB11-147	Soil	24	0.43	263	0.066	1	2.06	0.015	0.15	<0.1	0.03	5.0	<0.1	<0.05	6	<0.5	<0.2
EB11-148	Soil	20	0.42	240	0.083	2	1.68	0.015	0.15	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
EB11-149	Soil	18	0.33	245	0.057	2	2.08	0.013	0.16	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
EB11-150	Soil	21	0.38	200	0.094	1	1.63	0.018	0.12	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
EB11-151	Soil	22	0.46	208	0.091	1	1.83	0.015	0.10	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
EB11-152	Soil	16	0.33	142	0.092	<1	1.52	0.020	0.07	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
EB11-153	Soil	16	0.28	278	0.077	<1	1.59	0.011	0.12	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
EB11-154	Soil	17	0.31	171	0.085	1	1.56	0.012	0.12	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
EB11-155	Soil	17	0.29	267	0.093	<1	1.46	0.011	0.15	<0.1	0.03	3.6	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La 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	
EB11-156	Soil	0.8	19.7	7.4	65	0.1	10.5	8.1	624	2.42	3.8	3.7	0.8	36	0.1	0.4	0.1	66	0.36	0.046	13
EB11-157	Soil	0.8	20.1	8.4	73	0.1	10.2	8.1	918	2.27	3.7	0.7	1.1	45	0.2	0.3	0.1	59	0.41	0.042	14
EB11-158	Soil	0.9	22.4	7.4	48	<0.1	16.0	7.3	269	2.70	4.3	3.1	1.5	55	<0.1	0.3	<0.1	69	0.55	0.040	11
EB11-159	Soil	0.5	17.4	5.8	48	<0.1	10.6	6.7	536	2.25	2.9	1.7	0.9	39	0.1	0.3	<0.1	61	0.36	0.032	9
EB11-160	Soil	0.6	25.6	8.3	58	0.1	12.7	8.5	510	2.71	4.4	1.0	1.4	32	<0.1	0.4	0.1	69	0.44	0.041	16
EB11-161	Soil	0.7	16.0	7.0	49	<0.1	8.3	6.6	466	2.08	2.2	1.7	1.4	31	0.1	0.3	<0.1	55	0.34	0.017	13
EB11-162	Soil	0.8	25.6	8.1	43	<0.1	11.8	6.9	339	2.65	7.0	9.5	1.7	39	<0.1	0.4	<0.1	66	0.45	0.063	11
EB11-163	Soil	0.7	20.1	6.8	55	0.1	9.6	7.1	700	2.28	4.1	5.3	1.1	39	0.2	0.3	<0.1	61	0.40	0.034	14
EB11-164	Soil	0.7	21.5	6.6	52	<0.1	10.3	7.6	517	2.44	4.5	2.8	1.1	43	0.1	0.4	<0.1	67	0.42	0.041	12
EB11-165	Soil	0.8	22.0	7.0	56	0.1	11.4	8.7	536	2.73	5.4	2.7	1.8	44	0.1	0.4	<0.1	77	0.42	0.043	15
EB11-166	Soil	0.5	9.7	5.8	66	<0.1	6.8	4.5	563	1.68	1.7	11.5	0.6	32	0.1	0.2	<0.1	45	0.30	0.038	7
EB11-167	Soil	0.7	35.7	7.7	55	<0.1	14.5	9.7	506	3.06	7.7	7.2	1.6	41	<0.1	0.5	<0.1	74	0.50	0.071	12
EB11-168	Soil	1.4	26.0	9.3	83	0.2	10.7	10.7	1141	2.61	5.6	<0.5	0.9	47	0.3	0.3	0.1	65	0.49	0.068	16
EB11-169	Soil	0.9	23.6	7.9	67	0.1	11.3	9.3	848	2.56	4.3	1.7	1.1	45	0.2	0.3	0.1	65	0.48	0.047	17
EB11-170	Soil	0.8	22.3	7.5	67	0.1	12.0	9.3	758	2.61	5.4	1.1	0.8	38	0.2	0.3	0.1	66	0.41	0.073	9
EB11-171	Soil	0.8	25.5	8.2	94	0.1	11.8	10.2	1346	2.57	5.4	1.1	0.9	54	0.3	0.3	0.1	70	0.63	0.103	13
EB11-172	Soil	1.0	18.5	9.2	69	0.2	10.3	9.9	615	3.41	11.3	1.0	0.4	53	0.3	0.8	0.1	100	0.57	0.097	9
BMS-7	Pulp	447.2	3090	9.6	65	2.1	22.0	19.2	642	4.58	48.3	275.8	1.1	129	1.6	6.7	0.3	88	4.07	0.111	8
EB11-173	Soil	0.3	21.1	6.2	54	<0.1	13.5	9.4	527	2.85	4.6	2.0	1.1	44	0.1	0.3	<0.1	83	0.39	0.028	8
EB11-174	Soil	0.9	21.6	6.7	63	<0.1	12.0	8.0	522	2.61	4.6	4.2	1.0	44	0.2	0.4	<0.1	75	0.43	0.050	10
EB11-175	Soil	0.8	19.2	6.8	60	<0.1	12.3	7.8	552	2.42	2.4	4.6	1.1	43	0.2	0.2	0.1	67	0.40	0.027	11
EB11-176	Soil	0.8	21.3	7.3	62	<0.1	12.0	9.4	727	2.54	3.7	2.5	0.8	47	0.1	0.3	<0.1	69	0.42	0.044	11
EB11-177	Soil	0.8	29.8	6.3	64	0.1	18.8	10.5	551	3.11	4.4	1.2	1.8	58	0.2	0.3	<0.1	82	0.66	0.040	12
EB11-178	Soil	0.8	32.4	6.0	58	0.1	16.1	9.6	583	2.94	4.6	2.3	1.2	54	0.2	0.3	<0.1	85	0.61	0.060	14
EB11-179	Soil	0.8	30.1	6.3	51	0.1	13.1	9.3	644	2.56	3.0	1.2	1.6	49	0.1	0.3	<0.1	67	0.59	0.024	13
EB11-180	Soil	0.7	25.9	8.0	73	<0.1	12.9	9.4	734	2.80	3.5	0.9	1.6	44	0.3	0.3	0.1	75	0.46	0.034	13
EB11-181	Soil	0.9	19.5	6.5	55	<0.1	11.9	8.4	772	2.56	2.8	6.1	1.3	34	<0.1	0.2	0.1	72	0.36	0.028	13
EB11-182	Soil	0.9	22.7	6.7	54	0.1	10.9	7.8	537	2.60	4.2	0.7	1.2	43	0.1	0.4	<0.1	73	0.39	0.035	15
EB11-183	Soil	0.6	19.3	5.9	70	<0.1	12.0	8.8	634	2.75	3.1	1.4	1.3	43	0.1	0.3	0.1	77	0.34	0.043	11
EB11-184	Soil	0.6	31.9	6.4	64	<0.1	15.7	10.3	728	2.96	3.8	11.2	1.5	53	<0.1	0.3	<0.1	85	0.46	0.043	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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-156	Soil	20	0.34	188	0.085	1	1.54	0.010	0.16	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
EB11-157	Soil	18	0.32	261	0.079	<1	1.51	0.011	0.15	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
EB11-158	Soil	26	0.54	190	0.094	<1	2.11	0.016	0.10	<0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
EB11-159	Soil	20	0.34	202	0.084	<1	1.59	0.017	0.09	<0.1	0.03	3.4	<0.1	<0.05	5	0.6	<0.2
EB11-160	Soil	23	0.42	184	0.089	<1	2.00	0.019	0.13	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
EB11-161	Soil	16	0.27	184	0.093	1	1.49	0.019	0.12	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
EB11-162	Soil	21	0.47	168	0.064	1	1.88	0.014	0.11	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
EB11-163	Soil	18	0.31	181	0.082	<1	1.45	0.015	0.12	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
EB11-164	Soil	19	0.39	156	0.086	1	1.58	0.017	0.13	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
EB11-165	Soil	23	0.39	155	0.109	1	1.60	0.018	0.13	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
EB11-166	Soil	13	0.21	217	0.077	<1	1.29	0.015	0.11	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
EB11-167	Soil	24	0.56	175	0.062	1	2.08	0.013	0.15	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
EB11-168	Soil	19	0.36	207	0.075	1	1.90	0.008	0.20	<0.1	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
EB11-169	Soil	20	0.35	187	0.088	1	1.89	0.010	0.21	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
EB11-170	Soil	21	0.42	161	0.072	<1	2.02	0.010	0.12	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
EB11-171	Soil	20	0.40	263	0.080	2	1.76	0.008	0.21	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
EB11-172	Soil	20	0.56	166	0.028	3	1.95	0.011	0.13	<0.1	0.03	4.0	<0.1	<0.05	7	<0.5	<0.2
BMS-7	Pulp	26	1.30	106	0.007	3	1.32	0.078	0.21	3.0	0.20	6.9	<0.1	1.68	5	5.3	0.2
EB11-173	Soil	24	0.51	152	0.112	1	1.60	0.017	0.08	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
EB11-174	Soil	21	0.40	157	0.106	2	1.48	0.017	0.11	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
EB11-175	Soil	21	0.35	198	0.110	1	1.96	0.016	0.11	<0.1	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
EB11-176	Soil	21	0.38	167	0.095	<1	1.89	0.012	0.20	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
EB11-177	Soil	33	0.55	156	0.120	2	2.63	0.019	0.14	<0.1	0.03	7.6	<0.1	<0.05	7	<0.5	<0.2
EB11-178	Soil	29	0.53	197	0.096	2	2.30	0.015	0.11	<0.1	0.03	6.9	<0.1	<0.05	6	<0.5	<0.2
EB11-179	Soil	24	0.38	158	0.105	<1	2.22	0.019	0.11	<0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
EB11-180	Soil	26	0.42	171	0.118	1	2.40	0.020	0.18	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
EB11-181	Soil	22	0.35	213	0.110	1	2.20	0.017	0.11	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
EB11-182	Soil	22	0.36	147	0.092	<1	1.66	0.011	0.13	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
EB11-183	Soil	24	0.38	180	0.117	1	1.96	0.012	0.18	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
EB11-184	Soil	29	0.46	192	0.129	<1	2.13	0.014	0.15	<0.1	0.02	6.1	<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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 9 of 10 Part 1

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-185	Soil	1.4	18.9	6.7	72	<0.1	10.5	8.8	685	2.60	4.8	1.1	1.1	37	0.1	0.3	0.1	69	0.37	0.037	14
EB11-186	Soil	0.9	29.3	8.4	94	0.3	11.7	9.9	1024	2.65	8.1	0.5	0.8	53	0.4	0.3	0.1	68	0.67	0.099	28
EB11-187	Soil	0.8	33.8	6.5	68	0.2	14.4	9.6	803	2.88	4.5	2.0	1.1	52	0.2	0.3	<0.1	73	0.56	0.054	13
EB11-188	Soil	0.7	26.9	7.8	63	0.2	11.9	8.0	772	2.48	4.1	3.1	1.3	50	0.2	0.3	<0.1	59	0.53	0.027	16
EB11-189	Soil	0.8	28.7	5.5	46	0.1	13.5	8.5	477	2.62	4.3	4.9	1.3	59	0.1	0.4	<0.1	72	0.69	0.034	10
EB11-190	Soil	1.0	20.8	7.1	60	0.1	10.0	7.4	664	2.51	5.8	10.6	1.1	38	0.1	0.4	<0.1	65	0.54	0.057	16
EB11-191	Soil	1.1	30.7	5.6	47	0.1	13.6	6.5	320	2.71	7.3	2.6	1.5	44	<0.1	0.5	<0.1	73	0.58	0.053	16
EB11-192	Soil	1.1	24.9	7.1	56	0.1	12.2	8.7	563	2.89	6.6	2.8	1.2	41	<0.1	0.3	<0.1	75	0.46	0.052	13
EB11-193	Soil	0.8	11.0	5.5	76	<0.1	7.9	4.7	594	1.76	1.9	<0.5	1.2	26	0.1	0.2	<0.1	43	0.24	0.059	7
EB11-194	Soil	0.8	14.6	7.2	78	<0.1	8.4	5.6	497	2.28	3.5	1.8	1.6	32	<0.1	0.3	0.1	57	0.28	0.047	9
EB11-195	Soil	0.6	10.3	5.5	66	<0.1	7.4	4.1	267	1.84	2.6	<0.5	1.1	27	0.1	0.2	<0.1	44	0.26	0.066	7
EB11-196	Soil	1.0	13.8	5.9	77	<0.1	7.3	5.7	605	2.04	2.8	<0.5	1.0	36	0.2	0.2	<0.1	56	0.28	0.056	7
EB11-197	Soil	0.7	13.9	5.6	62	0.1	8.0	5.7	413	2.24	3.8	<0.5	1.1	35	<0.1	0.3	<0.1	59	0.33	0.069	8
EB11-198	Soil	0.7	10.3	5.9	53	<0.1	7.0	4.6	307	1.85	2.8	<0.5	1.2	23	<0.1	0.2	<0.1	41	0.20	0.043	10
EB11-199	Soil	0.4	6.9	4.5	58	<0.1	6.2	3.5	252	1.58	2.4	0.9	0.9	28	<0.1	0.2	<0.1	40	0.23	0.044	6
EB11-200	Soil	0.6	11.1	7.0	67	<0.1	6.6	3.8	251	1.74	3.3	1.3	1.3	33	<0.1	0.2	0.1	40	0.27	0.050	7
EB11-201	Soil	0.7	17.7	6.3	57	<0.1	11.6	6.2	319	2.20	4.1	1.9	1.7	34	<0.1	0.3	0.1	54	0.31	0.046	10
EB11-202	Soil	0.6	14.9	6.1	49	<0.1	7.6	5.2	311	2.28	4.1	1.6	1.3	33	<0.1	0.3	<0.1	64	0.30	0.044	10
EB11-203	Soil	0.6	36.6	6.5	58	0.1	15.6	9.7	472	2.87	5.4	2.9	1.5	61	<0.1	0.3	0.1	72	0.44	0.052	13
EB11-204	Soil	0.6	13.4	8.1	61	<0.1	6.3	4.6	464	2.08	4.9	0.9	1.1	35	<0.1	0.3	0.1	52	0.36	0.063	13
EB11-205	Soil	1.0	29.4	9.3	69	0.2	19.7	8.6	633	3.09	9.7	4.5	1.9	52	0.1	0.5	0.1	67	0.59	0.077	23
EB11-206	Soil	0.8	18.2	6.8	53	<0.1	8.0	6.4	549	2.47	5.6	2.2	1.4	42	<0.1	0.4	<0.1	67	0.37	0.042	12
EB11-207	Soil	1.0	33.8	8.3	64	0.1	15.3	11.3	847	3.28	8.7	2.7	1.9	59	0.2	0.5	0.1	75	0.61	0.056	14
EB11-208	Soil	0.7	28.3	8.2	58	<0.1	12.3	8.5	570	2.87	7.8	1.6	2.0	57	<0.1	0.4	0.1	74	0.49	0.047	12
EB11-209	Soil	0.6	28.6	7.6	55	<0.1	12.6	9.7	591	2.98	7.8	2.4	2.1	51	<0.1	0.4	<0.1	70	0.45	0.051	13
EB11-210	Soil	1.5	34.9	15.3	75	0.4	19.9	11.6	699	3.66	14.3	11.9	2.9	53	0.2	0.6	0.2	67	0.68	0.042	35
EB11-211	Soil	0.8	29.5	7.8	61	0.1	11.2	10.1	734	3.23	10.3	11.5	1.9	60	0.1	0.6	<0.1	76	0.58	0.056	14
EB11-212	Soil	0.8	27.6	8.6	61	<0.1	12.8	10.4	764	2.93	9.1	3.5	1.9	55	0.2	0.5	0.1	69	0.86	0.059	13
EB11-213	Soil	0.9	27.9	8.1	53	<0.1	10.4	9.6	785	2.79	9.5	4.0	1.7	62	0.2	0.6	<0.1	68	0.64	0.057	13
EB11-214	Soil	0.6	25.5	6.9	57	0.1	10.5	8.4	654	2.76	7.5	3.4	1.7	56	0.2	0.4	<0.1	73	0.53	0.042	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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 9 of 10 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002356.1

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	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	
EB11-185	Soil	20	0.33	165	0.092	1	1.48	0.013	0.18	<0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
EB11-186	Soil	21	0.38	290	0.075	1	2.14	0.013	0.17	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
EB11-187	Soil	25	0.45	167	0.093	2	2.32	0.019	0.15	<0.1	0.02	4.8	<0.1	0.07	6	<0.5	<0.2
EB11-188	Soil	21	0.35	182	0.091	2	1.94	0.017	0.15	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
EB11-189	Soil	23	0.46	136	0.092	1	1.71	0.019	0.11	0.1	0.03	4.9	<0.1	0.06	5	<0.5	<0.2
EB11-190	Soil	17	0.38	182	0.078	1	1.66	0.013	0.15	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
EB11-191	Soil	28	0.37	164	0.097	2	1.96	0.017	0.10	<0.1	0.04	6.6	<0.1	<0.05	6	<0.5	<0.2
EB11-192	Soil	23	0.44	144	0.091	2	1.79	0.025	0.12	<0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
EB11-193	Soil	13	0.20	220	0.090	2	1.23	0.015	0.16	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
EB11-194	Soil	16	0.24	210	0.101	2	1.48	0.014	0.14	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
EB11-195	Soil	13	0.19	195	0.077	2	1.23	0.012	0.14	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
EB11-196	Soil	16	0.24	202	0.097	2	0.96	0.011	0.11	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
EB11-197	Soil	15	0.25	163	0.083	2	1.27	0.010	0.11	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
EB11-198	Soil	12	0.21	152	0.061	1	1.01	0.016	0.15	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
EB11-199	Soil	10	0.15	182	0.072	2	0.98	0.016	0.15	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
EB11-200	Soil	10	0.18	205	0.081	2	1.23	0.015	0.15	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
EB11-201	Soil	21	0.35	103	0.102	1	1.10	0.018	0.20	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
EB11-202	Soil	15	0.25	128	0.091	1	0.99	0.018	0.14	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
EB11-203	Soil	26	0.58	123	0.102	1	1.72	0.016	0.19	<0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
EB11-204	Soil	12	0.24	132	0.074	2	0.96	0.013	0.14	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
EB11-205	Soil	26	0.50	190	0.082	2	2.17	0.013	0.14	<0.1	0.04	5.7	<0.1	<0.05	7	<0.5	<0.2
EB11-206	Soil	16	0.28	128	0.090	2	1.10	0.020	0.11	<0.1	0.02	3.9	<0.1	<0.05	4	0.5	<0.2
EB11-207	Soil	25	0.60	177	0.083	2	2.12	0.018	0.18	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5	<0.2
EB11-208	Soil	23	0.47	172	0.082	2	1.72	0.016	0.16	<0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
EB11-209	Soil	23	0.47	160	0.062	2	2.04	0.014	0.22	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
EB11-210	Soil	29	0.55	247	0.039	3	2.87	0.012	0.26	<0.1	0.09	9.0	<0.1	<0.05	8	0.8	<0.2
EB11-211	Soil	20	0.47	196	0.052	2	1.71	0.017	0.13	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
EB11-212	Soil	18	0.48	194	0.051	2	1.61	0.017	0.19	<0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
EB11-213	Soil	17	0.44	177	0.062	3	1.40	0.023	0.12	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
EB11-214	Soil	21	0.38	184	0.085	3	1.51	0.022	0.15	0.1	0.04	5.8	<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.



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 10 of 10 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11002356.1**

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	%	%	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	
EB11-215	Soil	0.8	26.7	13.3	52	0.1	10.2	9.5	902	2.72	9.9	7.1	1.9	74	0.4	0.7	<0.1	62	0.62	0.055	14
EB11-216	Soil	0.9	24.9	8.9	53	<0.1	8.9	8.5	737	2.63	8.4	5.9	1.5	53	0.3	0.5	<0.1	65	0.54	0.070	14
EB11-217	Soil	0.9	32.7	6.9	47	0.1	10.9	7.4	537	2.81	7.8	4.0	1.7	59	<0.1	0.5	<0.1	74	0.59	0.060	17
EB11-218	Soil	0.9	20.2	7.1	42	0.1	8.3	6.7	574	2.47	8.0	4.8	1.5	53	<0.1	0.5	<0.1	61	0.53	0.062	15
EB11-219	Soil	1.0	25.3	9.2	51	<0.1	11.2	8.3	642	2.93	7.4	8.0	1.8	61	0.2	0.5	<0.1	83	0.64	0.069	13
EB11-220	Soil	0.7	25.0	7.4	43	<0.1	11.1	7.0	483	2.74	7.3	3.8	1.8	58	0.1	0.5	<0.1	81	0.63	0.084	15
EB11-221	Soil	0.7	24.6	6.1	58	<0.1	12.5	7.8	456	2.94	6.0	0.9	1.8	43	<0.1	0.4	<0.1	85	0.40	0.031	10
EB11-222	Soil	0.5	20.3	5.5	78	<0.1	11.1	8.3	530	2.52	1.6	0.8	1.4	41	0.1	0.3	<0.1	72	0.39	0.024	9



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

VAN11002356.1

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	
EB11-215	Soil	15	0.41	218	0.046	3	1.39	0.021	0.18	<0.1	0.07	5.9	<0.1	<0.05	4	<0.5	<0.2
EB11-216	Soil	16	0.39	152	0.076	2	1.22	0.022	0.13	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
EB11-217	Soil	21	0.42	191	0.100	2	1.49	0.028	0.09	<0.1	0.06	6.3	<0.1	<0.05	5	<0.5	<0.2
EB11-218	Soil	16	0.34	159	0.076	2	1.17	0.024	0.08	<0.1	0.04	4.6	<0.1	<0.05	4	0.8	<0.2
EB11-219	Soil	23	0.47	165	0.117	3	1.46	0.032	0.10	<0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
EB11-220	Soil	23	0.41	158	0.120	3	1.41	0.024	0.08	<0.1	0.04	5.4	<0.1	<0.05	4	<0.5	<0.2
EB11-221	Soil	25	0.43	161	0.125	2	1.71	0.020	0.15	<0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
EB11-222	Soil	22	0.35	167	0.137	<1	1.68	0.021	0.11	<0.1	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

Page: 1 of 3 Part 1

# QUALITY CONTROL REPORT

VAN11002356.1

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																					
MK11-290	Soil	0.7	20.9	6.4	51	0.1	10.3	7.8	833	2.39	3.7	1.1	1.0	50	0.2	0.3	<0.1	64	0.46	0.034	13
REP MK11-290	QC	0.8	20.2	7.0	54	0.1	10.0	7.8	839	2.43	3.8	1.0	0.9	51	0.2	0.2	<0.1	64	0.45	0.034	13
EB11-19	Soil	1.2	17.1	6.3	48	<0.1	8.2	6.1	400	2.77	5.8	11.0	1.2	39	<0.1	0.4	<0.1	65	0.32	0.035	8
REP EB11-19	QC	1.2	17.6	6.3	46	<0.1	8.4	6.0	388	2.79	6.0	29.8	1.2	40	<0.1	0.4	<0.1	63	0.32	0.035	8
EB11-31	Soil	0.7	34.1	7.8	62	<0.1	13.6	11.2	870	3.26	9.0	2.4	1.7	155	0.1	0.5	<0.1	81	0.88	0.075	14
REP EB11-31	QC	0.7	33.5	7.8	63	<0.1	14.0	11.6	878	3.42	9.2	6.0	1.7	161	0.1	0.5	<0.1	86	0.92	0.076	14
EB11-44	Soil	0.8	16.3	5.4	46	<0.1	9.2	6.4	488	2.42	3.3	1.4	1.1	35	<0.1	0.3	<0.1	68	0.28	0.050	6
REP EB11-44	QC	0.8	17.1	5.6	49	<0.1	9.5	6.9	482	2.36	3.3	1.9	1.1	38	<0.1	0.3	<0.1	64	0.28	0.050	7
EB11-49	Soil	0.6	19.2	6.4	52	<0.1	10.8	7.5	518	2.32	2.1	2.3	1.4	36	0.1	0.3	0.1	64	0.30	0.022	15
REP EB11-49	QC	0.6	17.2	5.6	47	<0.1	9.6	6.8	462	2.05	1.9	2.0	1.2	32	<0.1	0.3	<0.1	57	0.27	0.020	13
EB11-76	Soil	1.0	15.9	14.2	76	0.4	9.2	7.0	1950	2.93	5.4	1.9	1.6	34	0.5	0.2	0.2	54	0.42	0.082	72
REP EB11-76	QC	1.0	15.9	13.9	77	0.4	9.3	6.8	1930	2.93	5.5	3.2	1.6	34	0.4	0.3	0.2	54	0.42	0.085	71
EB11-92	Soil	0.7	14.7	7.2	62	<0.1	11.2	6.8	181	2.02	2.2	<0.5	0.9	21	<0.1	0.1	0.1	44	0.19	0.070	5
REP EB11-92	QC	0.7	14.9	7.3	61	<0.1	11.3	6.7	186	2.08	2.4	0.8	0.9	21	<0.1	0.1	0.1	45	0.18	0.070	5
EB11-107	Soil	1.2	18.5	7.0	53	0.1	10.0	7.4	542	2.39	7.2	9.7	1.4	33	0.1	0.3	<0.1	45	0.39	0.057	14
REP EB11-107	QC	1.2	18.8	6.9	52	0.1	9.1	7.4	526	2.34	6.7	11.6	1.3	32	<0.1	0.2	0.1	44	0.38	0.053	14
EB11-126	Soil	1.0	24.8	6.0	71	<0.1	13.0	8.1	558	3.04	5.0	4.4	1.8	55	0.2	0.4	0.1	76	0.49	0.034	13
REP EB11-126	QC	0.9	24.6	6.0	71	<0.1	13.2	8.0	558	2.93	5.0	1.5	1.9	55	0.2	0.4	0.1	76	0.48	0.033	13
EB11-142	Soil	0.7	22.5	7.1	57	<0.1	10.3	7.8	603	2.65	6.8	1.9	1.3	48	0.1	0.5	<0.1	68	0.50	0.055	11
REP EB11-142	QC	0.8	22.9	7.4	57	<0.1	11.3	7.7	617	2.71	7.2	3.1	1.4	48	<0.1	0.5	<0.1	68	0.49	0.057	12
EB11-169	Soil	0.9	23.6	7.9	67	0.1	11.3	9.3	848	2.56	4.3	1.7	1.1	45	0.2	0.3	0.1	65	0.48	0.047	17
REP EB11-169	QC	0.9	24.4	7.8	67	0.1	11.4	9.4	851	2.56	4.5	1.7	1.1	45	0.3	0.3	0.1	65	0.49	0.048	17
BMS-7	Pulp	447.2	3090	9.6	65	2.1	22.0	19.2	642	4.58	48.3	275.8	1.1	129	1.6	6.7	0.3	88	4.07	0.111	8
REP BMS-7	QC	472.4	3181	9.6	70	2.1	22.8	19.6	651	4.65	48.0	261.6	1.2	133	1.1	7.5	0.4	89	3.93	0.109	9
EB11-187	Soil	0.8	33.8	6.5	68	0.2	14.4	9.6	803	2.88	4.5	2.0	1.1	52	0.2	0.3	<0.1	73	0.56	0.054	13
REP EB11-187	QC	0.8	33.8	6.8	71	0.1	14.4	9.6	829	3.02	4.5	2.1	1.2	53	0.2	0.3	<0.1	72	0.57	0.052	14
EB11-193	Soil	0.8	11.0	5.5	76	<0.1	7.9	4.7	594	1.76	1.9	<0.5	1.2	26	0.1	0.2	<0.1	43	0.24	0.059	7
REP EB11-193	QC	0.8	10.6	5.4	74	<0.1	7.5	4.5	610	1.78	2.0	0.7	1.2	27	<0.1	0.2	<0.1	43	0.23	0.059	7



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 1 of 3 **Part** 2

QUALITY CONTROL REPORT

VAN11002356.1

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																	
MK11-290	Soil	19	0.32	200	0.097	2	1.55	0.013	0.18	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
REP MK11-290	QC	20	0.33	207	0.099	2	1.61	0.014	0.18	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
EB11-19	Soil	15	0.37	138	0.079	<1	1.14	0.016	0.08	<0.1	0.01	2.9	<0.1	0.06	4	<0.5	<0.2
REP EB11-19	QC	15	0.38	134	0.079	1	1.22	0.017	0.08	<0.1	0.03	3.0	<0.1	0.06	4	<0.5	<0.2
EB11-31	Soil	20	0.71	169	0.091	2	2.03	0.035	0.15	<0.1	0.05	7.0	<0.1	<0.05	7	<0.5	<0.2
REP EB11-31	QC	21	0.73	179	0.098	2	2.18	0.038	0.15	<0.1	0.05	7.3	<0.1	<0.05	7	<0.5	<0.2
EB11-44	Soil	15	0.35	86	0.085	1	1.24	0.014	0.07	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
REP EB11-44	QC	15	0.38	88	0.086	<1	1.28	0.016	0.07	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
EB11-49	Soil	19	0.41	106	0.084	2	1.40	0.018	0.06	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
REP EB11-49	QC	17	0.38	95	0.075	1	1.27	0.016	0.05	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
EB11-76	Soil	15	0.37	70	0.091	<1	1.78	0.017	0.07	<0.1	0.07	12.4	<0.1	<0.05	8	<0.5	<0.2
REP EB11-76	QC	15	0.38	70	0.091	<1	1.82	0.017	0.07	<0.1	0.07	12.7	<0.1	<0.05	8	<0.5	<0.2
EB11-92	Soil	14	0.27	155	0.068	<1	2.44	0.016	0.08	<0.1	0.02	2.1	<0.1	<0.05	8	0.5	<0.2
REP EB11-92	QC	14	0.27	152	0.070	2	2.44	0.016	0.08	<0.1	0.02	2.2	<0.1	<0.05	8	0.7	<0.2
EB11-107	Soil	15	0.38	118	0.051	1	1.02	0.015	0.13	<0.1	0.01	3.3	<0.1	<0.05	4	0.6	<0.2
REP EB11-107	QC	15	0.38	116	0.050	2	1.02	0.014	0.13	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
EB11-126	Soil	29	0.43	173	0.111	3	1.85	0.052	0.19	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
REP EB11-126	QC	29	0.41	172	0.108	3	1.75	0.037	0.19	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
EB11-142	Soil	19	0.43	146	0.080	2	1.64	0.018	0.15	<0.1	0.04	4.3	<0.1	<0.05	5	<0.5	<0.2
REP EB11-142	QC	20	0.43	152	0.083	2	1.67	0.015	0.15	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
EB11-169	Soil	20	0.35	187	0.088	1	1.89	0.010	0.21	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
REP EB11-169	QC	20	0.35	188	0.087	1	1.87	0.010	0.21	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
BMS-7	Pulp	26	1.30	106	0.007	3	1.32	0.078	0.21	3.0	0.20	6.9	<0.1	1.68	5	5.3	0.2
REP BMS-7	QC	26	1.31	369	0.009	4	1.33	0.084	0.24	3.1	0.19	7.2	<0.1	1.59	5	6.0	0.3
EB11-187	Soil	25	0.45	167	0.093	2	2.32	0.019	0.15	<0.1	0.02	4.8	<0.1	0.07	6	<0.5	<0.2
REP EB11-187	QC	25	0.44	169	0.097	2	2.34	0.019	0.15	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
EB11-193	Soil	13	0.20	220	0.090	2	1.23	0.015	0.16	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
REP EB11-193	QC	12	0.21	217	0.089	2	1.23	0.018	0.16	<0.1	<0.01	2.5	<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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

Page: 2 of 3 Part 1

# QUALITY CONTROL REPORT

VAN11002356.1

		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
EB11-214	Soil	0.6	25.5	6.9	57	0.1	10.5	8.4	654	2.76	7.5	3.4	1.7	56	0.2	0.4	<0.1	73	0.53	0.042	13
REP EB11-214	QC	0.6	25.0	6.8	56	0.1	9.9	8.4	633	2.76	6.9	4.1	1.7	55	0.1	0.4	<0.1	71	0.53	0.040	12
Reference Materials																					
STD DS8	Standard	13.0	109.8	127.0	316	1.8	36.9	7.6	606	2.45	26.2	107.2	6.5	64	2.3	5.7	6.9	42	0.66	0.079	13
STD DS8	Standard	13.5	109.8	128.5	323	1.8	38.6	7.5	615	2.56	27.0	111.7	7.0	68	2.6	5.9	6.9	43	0.71	0.079	15
STD DS8	Standard	13.0	116.4	117.9	321	1.7	37.7	7.5	614	2.56	27.2	110.2	6.6	70	2.5	5.6	6.5	42	0.70	0.084	14
STD DS8	Standard	13.8	114.2	124.1	324	1.7	37.9	7.2	628	2.44	27.5	112.3	6.6	73	2.5	5.8	6.7	42	0.71	0.083	15
STD DS8	Standard	12.0	100.1	113.1	295	1.7	34.3	6.9	553	2.24	23.2	106.7	6.0	64	2.4	5.3	6.1	41	0.60	0.070	13
STD DS8	Standard	12.4	102.8	115.4	305	1.7	35.5	6.7	589	2.39	24.9	102.8	6.2	66	2.5	5.5	6.2	41	0.62	0.072	13
STD DS8	Standard	13.9	115.6	131.2	343	1.9	39.9	7.7	646	2.51	27.2	109.8	6.8	69	2.4	6.0	7.0	43	0.69	0.082	15
STD DS8	Standard	14.5	119.0	135.9	331	2.0	40.3	7.9	632	2.55	29.2	119.5	7.1	71	2.3	6.0	7.1	44	0.70	0.084	15
STD DS8	Standard	13.1	112.7	126.2	321	1.8	38.4	7.6	636	2.44	27.6	121.9	6.6	66	2.4	6.1	6.8	42	0.67	0.080	14
STD DS8	Standard	13.3	110.6	126.6	309	1.8	38.3	7.5	620	2.43	27.2	109.3	6.7	66	2.1	5.7	6.7	42	0.67	0.078	15
STD DS8	Standard	14.5	118.0	128.2	336	1.9	40.9	7.9	655	2.57	28.7	129.3	7.1	74	2.5	6.3	7.1	45	0.76	0.084	17
STD DS8	Standard	13.8	122.2	136.4	339	2.0	41.5	8.1	650	2.56	29.6	187.3	7.1	69	2.6	6.2	7.5	46	0.74	0.087	15
STD DS8	Standard	13.5	114.9	131.1	314	1.8	40.8	8.1	610	2.43	26.7	118.1	7.3	64	2.7	6.1	7.5	43	0.66	0.080	14
STD DS8	Standard	12.9	115.2	129.6	318	1.8	40.7	8.4	612	2.43	26.7	110.0	6.7	60	2.5	5.8	6.9	44	0.66	0.082	13
STD DS8	Standard	12.7	111.4	130.6	333	1.7	38.7	7.6	625	2.46	26.5	107.5	6.9	67	2.2	5.9	7.0	41	0.70	0.089	14
STD DS8	Standard	13.4	113.8	127.2	322	1.8	37.3	7.3	616	2.40	26.3	115.8	6.8	67	2.6	5.7	7.0	40	0.69	0.080	13
STD DS8	Standard	14.3	115.3	136.0	331	1.9	40.5	8.1	639	2.54	28.2	122.4	7.7	71	2.6	6.3	7.5	45	0.71	0.081	15
STD DS8	Standard	14.1	115.4	129.6	323	1.9	40.3	7.8	627	2.46	28.6	113.3	7.4	69	2.6	6.2	7.5	45	0.70	0.082	15
STD DS8	Standard	13.1	112.3	127.4	313	1.8	38.7	7.6	582	2.34	24.4	113.0	6.9	64	2.2	5.6	6.8	37	0.64	0.077	14
STD DS8	Standard	13.9	115.0	131.5	322	1.9	39.8	7.8	602	2.44	25.4	116.6	7.0	65	2.5	5.9	7.0	39	0.66	0.077	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

VAN11002356.1

		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
EB11-214	Soil	21	0.38	184	0.085	3	1.51	0.022	0.15	0.1	0.04	5.8	<0.1	<0.05	4	<0.5	<0.2
REP EB11-214	QC	20	0.39	176	0.079	3	1.47	0.018	0.15	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	115	0.61	269	0.109	2	0.89	0.090	0.41	2.9	0.19	2.1	5.3	0.15	4	5.0	4.7
STD DS8	Standard	117	0.61	289	0.119	2	0.94	0.091	0.42	3.2	0.21	2.1	5.5	0.14	5	5.2	5.2
STD DS8	Standard	117	0.61	286	0.114	4	0.92	0.093	0.41	3.1	0.21	1.8	5.1	0.22	5	4.8	4.7
STD DS8	Standard	118	0.60	294	0.116	3	0.90	0.094	0.43	3.1	0.18	2.1	5.3	0.17	5	5.1	5.1
STD DS8	Standard	112	0.55	262	0.109	2	0.77	0.077	0.39	2.7	0.19	1.8	5.0	0.17	4	4.7	4.8
STD DS8	Standard	114	0.56	267	0.110	3	0.82	0.080	0.39	2.8	0.20	1.9	5.0	0.15	4	4.7	5.0
STD DS8	Standard	121	0.63	302	0.118	3	0.94	0.091	0.43	3.2	0.21	2.2	5.5	0.16	5	6.1	5.4
STD DS8	Standard	123	0.63	306	0.120	3	0.94	0.089	0.43	3.3	0.22	2.2	5.8	0.17	5	6.2	5.6
STD DS8	Standard	121	0.59	285	0.114	2	0.89	0.090	0.42	3.2	0.21	2.1	5.6	0.16	5	5.5	4.9
STD DS8	Standard	120	0.59	288	0.114	3	0.89	0.088	0.42	3.0	0.24	2.2	5.5	0.17	5	5.0	5.0
STD DS8	Standard	126	0.64	311	0.127	3	0.95	0.103	0.47	3.3	0.22	2.0	5.8	0.18	6	5.5	5.4
STD DS8	Standard	131	0.63	303	0.122	3	0.93	0.091	0.44	3.3	0.25	2.1	6.1	0.19	5	5.0	5.4
STD DS8	Standard	122	0.61	289	0.118	3	0.89	0.087	0.42	3.0	0.21	2.2	5.4	0.16	5	5.1	4.9
STD DS8	Standard	123	0.63	266	0.115	2	0.89	0.082	0.42	2.9	0.20	2.1	5.3	0.17	5	5.5	4.8
STD DS8	Standard	115	0.64	282	0.113	3	0.98	0.091	0.44	3.2	0.20	1.9	5.6	0.21	5	5.6	5.0
STD DS8	Standard	108	0.60	271	0.111	2	0.93	0.087	0.44	2.9	0.21	1.9	5.6	0.18	5	5.9	5.1
STD DS8	Standard	125	0.65	301	0.126	2	0.93	0.095	0.45	3.3	0.20	2.4	5.9	0.14	5	5.2	5.0
STD DS8	Standard	123	0.63	303	0.123	2	0.93	0.092	0.43	3.0	0.22	2.4	5.6	0.15	5	5.1	5.3
STD DS8	Standard	114	0.59	275	0.111	2	0.88	0.091	0.41	3.1	0.20	2.5	5.7	0.12	4	4.9	5.0
STD DS8	Standard	118	0.62	280	0.116	3	0.90	0.097	0.43	3.1	0.21	2.4	5.7	0.14	5	5.2	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 10, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

VAN11002356.1

		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
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	0.03	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<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	1.3	<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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 10, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

VAN11002356.1

		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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.
2446 Bidston Road
Bill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 06, 2011
Report Date: June 14, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN11002357.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: 2011-01
P.O. Number
Number of Samples: 12

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
Bill Bay BC V0R 2P4
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX3.

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





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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 14, 2011

**Page:** 2 of 2 **Part** 1

**CERTIFICATE OF ANALYSIS**

**VAN11002357.1**

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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	
BM11-SS1	Silt	0.7	42.5	7.3	55	0.3	19.2	7.7	762	2.40	4.1	1.6	0.8	150	0.3	0.3	0.1	37	2.18	0.094	49
BM11-SS2	Silt	0.8	51.7	7.9	67	0.4	23.8	10.9	1123	3.41	4.9	0.5	1.5	93	0.4	0.3	0.1	65	1.12	0.060	31
BM11-SS3	Silt	0.6	29.1	7.3	54	0.2	16.2	9.0	844	2.79	4.0	1.4	1.3	87	0.2	0.3	<0.1	56	1.05	0.042	28
BM11-SS4	Silt	0.6	36.3	7.6	55	0.2	15.6	8.2	699	2.87	3.9	1.4	1.3	77	0.2	0.3	0.1	56	1.04	0.045	41
BM11-SS5	Silt	1.2	31.8	8.1	69	0.4	11.6	15.7	4518	2.64	6.6	1.7	0.5	117	0.4	0.3	<0.1	30	2.23	0.190	15
BM11-SS6	Silt	1.9	26.8	9.1	108	0.3	11.5	9.3	1624	2.75	7.1	4.5	0.8	85	0.3	0.3	0.1	47	0.94	0.081	19
BM11-SS7	Silt	0.6	29.5	7.0	64	0.3	12.1	6.9	726	2.36	4.9	6.3	1.1	57	0.2	0.4	<0.1	53	0.62	0.050	23
BMS-8	Pulp	35.9	4276	34.8	194	2.9	20.0	18.7	732	4.97	64.8	556.4	1.1	132	2.2	10.3	0.5	80	3.72	0.107	8
EB11-15	Silt	0.6	22.9	7.3	56	0.1	11.0	7.9	871	2.35	4.1	3.0	1.1	65	0.2	0.3	<0.1	56	0.65	0.044	23
EB11-96	Silt	0.7	60.3	9.8	71	0.3	22.7	12.2	1145	3.50	5.8	1.7	2.1	84	0.3	0.2	0.1	66	0.89	0.060	39
SB11-01	Silt	0.8	22.7	10.8	62	0.2	19.7	8.6	1068	2.49	3.9	<0.5	1.0	74	0.3	0.2	<0.1	57	0.92	0.061	26
SB11-02	Silt	0.5	23.6	7.1	63	0.1	24.9	11.6	818	2.83	2.6	1.9	1.3	77	0.3	0.2	<0.1	68	0.73	0.060	24



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 14, 2011

**Page:** 2 of 2 **Part** 2

# CERTIFICATE OF ANALYSIS

VAN11002357.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		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	
BM11-SS1	Silt	23	0.67	228	0.039	7	3.41	0.021	0.13	0.1	0.13	8.8	0.1	0.14	8	<0.5	<0.2
BM11-SS2	Silt	32	0.68	238	0.053	4	4.37	0.023	0.12	<0.1	0.06	10.9	<0.1	<0.05	10	<0.5	<0.2
BM11-SS3	Silt	22	0.58	234	0.075	3	2.70	0.022	0.11	0.1	0.07	7.9	<0.1	<0.05	7	<0.5	<0.2
BM11-SS4	Silt	23	0.51	268	0.053	3	2.85	0.019	0.12	<0.1	0.07	8.1	<0.1	<0.05	7	<0.5	<0.2
BM11-SS5	Silt	16	0.41	306	0.020	5	2.44	0.014	0.17	0.1	0.20	4.6	0.2	0.21	6	<0.5	<0.2
BM11-SS6	Silt	17	0.41	350	0.044	2	2.18	0.015	0.17	<0.1	0.05	4.8	0.1	<0.05	6	<0.5	<0.2
BM11-SS7	Silt	18	0.36	220	0.059	<1	1.69	0.017	0.15	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
BMS-8	Pulp	24	1.20	290	0.006	5	1.20	0.064	0.24	0.2	0.43	6.6	0.2	1.80	5	7.2	0.5
EB11-15	Silt	17	0.42	167	0.075	1	1.62	0.019	0.08	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
EB11-96	Silt	29	0.75	263	0.068	<1	3.86	0.022	0.14	<0.1	0.05	11.2	<0.1	<0.05	10	<0.5	<0.2
SB11-01	Silt	25	0.58	164	0.089	3	2.47	0.034	0.09	<0.1	0.03	5.9	<0.1	<0.05	7	<0.5	<0.2
SB11-02	Silt	31	0.72	148	0.112	1	3.00	0.028	0.09	<0.1	0.02	8.2	<0.1	<0.05	7	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 14, 2011

Page: 1 of 1 Part 1

# QUALITY CONTROL REPORT

VAN11002357.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
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																					
BM11-SS4	Silt	0.6	36.3	7.6	55	0.2	15.6	8.2	699	2.87	3.9	1.4	1.3	77	0.2	0.3	0.1	56	1.04	0.045	41
REP BM11-SS4	QC	0.5	38.3	8.1	57	0.3	16.2	8.7	711	2.96	4.3	<0.5	1.4	81	0.2	0.3	0.1	56	1.08	0.050	44
Reference Materials																					
STD DS8	Standard	13.3	117.0	129.8	324	1.9	39.7	7.9	628	2.52	27.0	118.1	7.4	69	2.4	5.7	7.0	43	0.69	0.082	15
STD DS8	Standard	14.1	116.1	130.0	328	1.8	40.6	7.9	620	2.49	26.7	118.1	7.3	68	2.2	5.7	7.1	42	0.71	0.081	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Bill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: June 14, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11002357.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																	
BM11-SS4	Silt	23	0.51	268	0.053	3	2.85	0.019	0.12	<0.1	0.07	8.1	<0.1	<0.05	7	<0.5	<0.2
REP BM11-SS4	QC	23	0.55	278	0.070	5	2.97	0.021	0.14	0.1	0.07	8.5	<0.1	<0.05	8	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	123	0.63	289	0.124	4	0.94	0.092	0.43	3.2	0.22	2.3	5.6	0.16	5	5.3	4.9
STD DS8	Standard	122	0.62	291	0.124	3	0.92	0.093	0.43	3.1	0.21	2.3	5.6	0.13	5	5.2	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.
2446 Bidston Road
Bill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: June 06, 2011
Report Date: June 10, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

VAN11002358.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: 2011-01
P.O. Number
Number of Samples: 33

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains two rows of sample preparation and analysis data.

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



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

VAN11002358.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BM11-R1	Rock	3.88	2.7	8.7	6.5	62	<0.1	3.8	5.8	1314	2.59	3.2	<0.5	0.8	8	0.1	<0.1	<0.1	17	0.39	0.054
BM11-R2	Rock	1.88	0.6	5.4	4.8	30	<0.1	1.7	2.2	638	0.89	2.5	<0.5	0.8	24	0.2	<0.1	<0.1	3	1.66	0.038
BM11-R3	Rock	1.12	1.1	11.3	4.2	13	<0.1	3.8	6.5	165	2.03	34.7	6.0	0.3	29	<0.1	0.6	<0.1	72	1.80	0.020
BM11-R4	Rock	0.22	5.6	1.7	2.1	5	<0.1	1.4	1.3	544	0.68	1.3	<0.5	0.3	9	<0.1	0.1	<0.1	<2	0.04	0.005
BM11-R5	Rock	1.35	3.2	14.3	5.1	99	0.1	0.3	11.3	1170	4.62	19.8	2.2	0.7	36	0.2	0.2	0.4	47	1.59	0.153
BM11-R6	Rock	1.41	50.8	2.8	9.3	27	0.7	0.5	0.6	341	0.87	14.6	10.1	0.9	5	<0.1	0.5	0.3	4	0.03	0.012
BM11-R7	Rock	1.33	2.6	7.9	4.6	58	<0.1	2.6	5.6	723	2.22	9.5	2.2	0.8	22	0.1	0.2	<0.1	23	0.60	0.067
BM11-R8	Rock	1.16	6.7	1.8	4.3	8	0.5	0.4	0.3	85	0.62	32.3	23.5	1.2	14	<0.1	0.5	0.2	<2	0.11	0.051
BM11-R9	Rock	1.25	1.2	1.2	8.3	35	<0.1	0.9	0.8	363	0.82	7.3	14.2	1.9	15	<0.1	0.2	<0.1	<2	0.24	0.006
BM11-R10	Rock	1.18	1.9	4.4	5.3	17	0.6	0.9	1.1	123	1.38	56.9	15.8	1.4	8	<0.1	1.2	<0.1	3	0.02	0.009
BM11-R11	Rock	1.40	0.7	0.6	2.3	19	<0.1	2.3	0.6	245	0.61	1.2	<0.5	1.0	7	0.1	0.2	<0.1	<2	0.02	0.002
BM11-R12	Rock	1.31	3.8	22.0	99.1	930	0.1	49.1	20.1	2168	4.56	15.2	1.3	1.2	53	2.4	1.7	<0.1	72	0.16	0.043
BMS-9	Pulp		467.3	3109	9.3	68	2.2	21.9	18.1	651	4.61	47.8	310.9	1.1	141	1.5	6.5	0.3	75	4.21	0.110
BM11-R13	Rock	1.43	0.8	5.1	5.3	42	<0.1	1.4	3.1	509	1.64	2.3	0.7	1.0	31	<0.1	<0.1	<0.1	7	1.17	0.037
BM11-R14	Rock	1.32	0.5	4.8	10.0	59	<0.1	2.0	3.7	636	1.80	5.7	0.6	1.0	115	<0.1	0.2	<0.1	29	2.69	0.040
BM11-R15	Rock	1.44	0.6	4.7	5.8	58	<0.1	2.2	4.2	638	1.96	2.2	<0.5	1.0	20	0.1	<0.1	<0.1	10	0.52	0.064
BM11-R16	Rock	1.67	1.7	0.9	8.1	18	<0.1	0.7	0.8	595	0.37	1.4	<0.5	1.7	31	0.1	<0.1	<0.1	<2	1.06	0.013
BM11-R17	Rock	1.28	1.4	1.1	6.2	24	<0.1	0.5	1.8	633	0.87	11.1	<0.5	0.7	26	<0.1	<0.1	0.1	<2	0.75	0.036
BM11-R18	Rock	1.92	3.9	0.9	5.5	10	<0.1	0.3	0.7	195	0.42	5.2	0.9	1.6	6	<0.1	0.3	<0.1	<2	0.02	0.012
BM11-R19	Rock	1.98	13.9	1.4	5.8	19	0.3	0.4	0.7	281	0.68	6.7	7.3	1.5	10	<0.1	0.4	<0.1	<2	0.03	0.015
BM11-R20	Rock	0.53	0.9	4.1	4.2	36	<0.1	3.0	2.5	586	1.32	6.1	1.0	1.3	13	<0.1	0.2	<0.1	7	0.28	0.037
BM11-R21	Rock	1.45	0.7	3.0	6.2	34	0.2	1.8	2.7	638	1.37	17.5	45.5	1.3	5	<0.1	0.7	<0.1	7	0.02	0.003
BM11-R22	Rock	0.92	8.7	1.9	5.2	24	0.7	0.5	0.9	159	0.75	124.7	92.0	1.2	15	<0.1	5.1	<0.1	6	0.03	0.026
BM11-R23	Rock	0.53	5.3	1.2	6.2	13	0.9	0.3	0.2	57	0.58	37.0	6.4	1.3	19	<0.1	2.6	<0.1	<2	0.03	0.014
BM11-R24	Rock	1.20	0.5	2.5	5.1	27	<0.1	0.6	1.2	270	0.89	2.0	2.4	0.9	5	<0.1	<0.1	<0.1	<2	0.04	0.020
BMS-10	Pulp		41.9	4478	33.1	199	2.9	21.3	18.2	781	4.99	69.0	428.6	1.1	139	2.3	10.6	0.5	76	4.08	0.103
BM11-R25	Rock	0.52	5.4	4.9	5.1	37	0.4	0.9	1.9	398	1.01	11.9	47.5	0.9	12	<0.1	0.7	<0.1	6	0.05	0.028
BM11-R26	Rock	0.72	17.7	4.4	4.9	9	1.6	0.7	0.6	123	1.00	239.9	365.1	1.0	29	<0.1	6.4	<0.1	5	0.03	0.017
BM11-R27	Rock	0.82	2.3	2.0	6.0	56	<0.1	3.3	2.1	839	1.70	9.3	2.0	0.8	12	0.2	0.3	<0.1	7	0.18	0.051
14801	Rock	1.06	0.4	2.8	1.2	38	<0.1	0.8	2.1	1176	3.06	5.3	1.4	0.6	8	<0.1	0.1	<0.1	4	0.16	0.063

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.



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

VAN11002358.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		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	0.01	0.01	0.01	0.05	1	0.5	0.2	
BM11-R1	Rock	22	4	0.06	193	0.005	4	0.74	0.027	0.15	<0.1	0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
BM11-R2	Rock	32	<1	0.11	122	0.001	4	0.90	0.006	0.19	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
BM11-R3	Rock	3	2	0.18	14	0.094	<1	2.78	<0.001	0.10	0.2	0.26	2.7	<0.1	<0.05	10	<0.5	<0.2
BM11-R4	Rock	2	6	<0.01	60	0.002	<1	0.17	0.013	0.03	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
BM11-R5	Rock	12	<1	0.34	36	0.005	1	0.57	0.065	0.11	<0.1	<0.01	5.9	<0.1	0.38	3	<0.5	<0.2
BM11-R6	Rock	12	2	0.01	52	0.001	<1	0.20	0.044	0.09	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BM11-R7	Rock	12	5	0.06	80	0.002	1	0.34	0.046	0.09	<0.1	<0.01	3.4	<0.1	0.06	2	<0.5	<0.2
BM11-R8	Rock	11	2	0.01	64	0.001	2	0.20	0.003	0.14	<0.1	0.04	0.3	0.1	<0.05	<1	<0.5	0.9
BM11-R9	Rock	15	2	0.02	125	<0.001	1	0.24	0.032	0.15	<0.1	<0.01	0.3	<0.1	0.14	<1	<0.5	<0.2
BM11-R10	Rock	7	3	0.01	133	0.001	<1	0.19	0.002	0.16	<0.1	0.02	0.5	<0.1	0.06	<1	<0.5	<0.2
BM11-R11	Rock	2	1	0.02	47	0.003	1	0.29	0.065	0.12	<0.1	<0.01	0.8	0.1	<0.05	<1	<0.5	<0.2
BM11-R12	Rock	16	43	0.04	151	<0.001	3	0.73	0.002	0.04	<0.1	0.07	6.6	<0.1	<0.05	2	0.5	<0.2
BMS-9	Pulp	8	24	1.29	284	0.008	5	1.40	0.080	0.23	3.3	0.22	6.5	<0.1	1.73	6	5.8	0.3
BM11-R13	Rock	10	2	0.19	112	<0.001	<1	0.34	0.039	0.18	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
BM11-R14	Rock	14	4	0.30	45	0.147	<1	4.22	0.013	0.13	<0.1	0.11	3.4	<0.1	<0.05	13	<0.5	<0.2
BM11-R15	Rock	17	2	0.06	82	0.002	<1	0.50	0.034	0.20	<0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	<0.2
BM11-R16	Rock	15	<1	0.02	78	<0.001	<1	0.27	0.011	0.25	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BM11-R17	Rock	14	<1	0.04	54	<0.001	<1	0.35	0.022	0.31	<0.1	0.02	0.6	<0.1	<0.05	1	<0.5	<0.2
BM11-R18	Rock	17	3	<0.01	49	<0.001	<1	0.21	0.040	0.14	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BM11-R19	Rock	10	3	<0.01	50	<0.001	<1	0.23	0.048	0.13	<0.1	0.03	0.3	0.1	<0.05	<1	<0.5	<0.2
BM11-R20	Rock	14	2	0.03	64	<0.001	<1	0.38	0.045	0.12	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
BM11-R21	Rock	7	2	0.02	40	<0.001	<1	0.25	0.002	0.19	<0.1	0.04	0.7	0.2	<0.05	1	<0.5	<0.2
BM11-R22	Rock	9	5	<0.01	66	<0.001	<1	0.17	0.002	0.14	<0.1	<0.01	0.6	0.2	<0.05	<1	<0.5	<0.2
BM11-R23	Rock	10	3	0.01	53	0.001	<1	0.20	0.002	0.18	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2
BM11-R24	Rock	10	2	0.02	56	0.002	<1	0.28	0.020	0.22	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
BMS-10	Pulp	8	25	1.21	275	0.007	5	1.43	0.077	0.28	0.2	0.45	6.6	0.1	1.92	5	7.7	0.3
BM11-R25	Rock	9	4	0.02	85	0.001	<1	0.24	0.029	0.13	<0.1	0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
BM11-R26	Rock	7	6	<0.01	62	<0.001	<1	0.13	0.002	0.12	<0.1	0.05	0.6	0.2	0.07	<1	2.0	<0.2
BM11-R27	Rock	21	2	0.03	34	<0.001	2	0.45	0.040	0.19	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
14801	Rock	17	2	0.36	61	0.002	<1	1.16	0.051	0.09	<0.1	<0.01	3.3	<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.





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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 3 of 3 Part 1

## CERTIFICATE OF ANALYSIS

VAN11002358.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
14802	Rock	1.53	0.6	36.2	6.8	77	<0.1	12.7	15.5	926	4.07	3.4	1.7	2.0	30	0.1	0.2	<0.1	132	1.74	0.092
14803	Rock	0.51	1.2	9.4	4.2	42	<0.1	2.7	6.3	464	1.79	9.7	<0.5	1.0	365	<0.1	0.7	<0.1	67	0.93	0.078
14804	Rock	1.90	0.4	1.0	6.3	22	<0.1	0.4	0.7	222	0.72	0.9	0.9	1.7	10	<0.1	<0.1	<0.1	<2	0.20	0.021



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

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

**Page:** 3 of 3 Part 2

# CERTIFICATE OF ANALYSIS

VAN11002358.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		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	
14802	Rock	16	19	1.76	21	0.390	3	2.96	0.060	0.03	0.2	<0.01	12.4	<0.1	<0.05	14	<0.5	<0.2
14803	Rock	7	3	0.30	104	0.297	2	1.39	0.037	0.18	0.2	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
14804	Rock	14	1	0.03	61	0.003	<1	0.48	0.044	0.29	<0.1	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2



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

www.acmelab.com

Client: **Mammoth Geological Ltd.**  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

Project: Brookmere  
 Report Date: June 10, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11002358.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
14803	Rock	0.51	1.2	9.4	4.2	42	<0.1	2.7	6.3	464	1.79	9.7	<0.5	1.0	365	<0.1	0.7	<0.1	67	0.93	0.078
REP 14803	QC		1.2	8.8	4.2	40	<0.1	2.4	6.0	447	1.73	8.9	<0.5	1.0	354	<0.1	0.5	<0.1	65	0.91	0.077
Core Reject Duplicates																					
14802	Rock	1.53	0.6	36.2	6.8	77	<0.1	12.7	15.5	926	4.07	3.4	1.7	2.0	30	0.1	0.2	<0.1	132	1.74	0.092
DUP 14802	QC		0.7	36.7	6.7	77	<0.1	12.8	15.6	919	4.08	3.3	1.2	1.9	29	<0.1	0.1	<0.1	131	1.73	0.082
Reference Materials																					
STD DS8	Standard		12.7	110.4	119.3	300	1.7	36.1	7.1	596	2.43	24.9	101.7	6.4	64	2.3	5.2	6.2	37	0.68	0.079
STD DS8	Standard		12.5	109.9	115.4	310	1.7	36.0	7.3	596	2.39	24.8	119.9	6.3	65	2.4	5.5	6.4	37	0.68	0.077
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
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	<0.01	5.1	1.9	2.7	46	<0.1	3.2	4.0	543	1.84	<0.5	1.3	4.9	56	<0.1	<0.1	<0.1	32	0.46	0.077
G1	Prep Blank	<0.01	4.0	1.7	2.8	47	<0.1	3.1	4.0	561	1.87	<0.5	1.0	5.0	56	<0.1	<0.1	<0.1	32	0.45	0.078



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

**Client:** Mammoth Geological Ltd.  
 2446 Bidston Road  
 Bill Bay BC V0R 2P4 Canada

**Project:** Brookmere  
**Report Date:** June 10, 2011

Page: 1 of 1 Part 2

# QUALITY CONTROL REPORT

VAN11002358.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																		
14803	Rock	7	3	0.30	104	0.297	2	1.39	0.037	0.18	0.2	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
REP 14803	QC	7	3	0.29	102	0.275	1	1.35	0.035	0.17	0.1	<0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
Core Reject Duplicates																		
14802	Rock	16	19	1.76	21	0.390	3	2.96	0.060	0.03	0.2	<0.01	12.4	<0.1	<0.05	14	<0.5	<0.2
DUP 14802	QC	15	19	1.75	20	0.378	2	3.04	0.078	0.03	0.2	<0.01	11.9	<0.1	<0.05	14	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	112	0.60	266	0.109	3	0.89	0.088	0.40	2.8	0.20	1.9	5.2	0.15	4	5.6	4.5
STD DS8	Standard	13	115	0.59	262	0.109	3	0.92	0.087	0.40	2.7	0.19	2.0	5.3	0.15	5	4.7	4.7
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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	9	8	0.54	204	0.120	<1	0.99	0.087	0.49	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	9	8	0.55	203	0.121	<1	0.98	0.083	0.46	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 08, 2011
Report Date: October 15, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

VAN11003751.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #1
P.O. Number
Number of Samples: 232

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains 3 rows of sample preparation data.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-RP 01	Soil	0.4	19.6	6.8	50	<0.1	13.1	7.3	357	2.30	3.4	<0.5	1.3	43	<0.1	0.2	0.1	55	0.56	0.029	14
BM11-RP 02	Soil	0.6	16.0	5.9	56	<0.1	11.5	7.7	454	2.27	4.0	<0.5	0.9	29	0.1	0.2	<0.1	57	0.36	0.077	5
BM11-RP 03	Soil	0.7	11.1	6.2	54	<0.1	8.7	7.0	667	2.10	4.1	<0.5	0.9	19	0.1	0.2	<0.1	50	0.18	0.110	4
BM11-RP 04	Soil	0.7	12.5	6.2	64	<0.1	9.3	5.9	579	1.91	2.8	0.8	1.1	17	0.1	0.2	0.1	45	0.15	0.106	4
BM11-RP 05	Soil	0.5	11.1	5.3	44	<0.1	7.9	5.4	359	2.01	2.7	<0.5	0.8	24	<0.1	0.2	<0.1	52	0.22	0.051	5
BM11-RP 06	Soil	0.7	8.9	5.2	47	<0.1	8.0	5.7	195	1.92	1.9	<0.5	0.7	22	<0.1	0.2	<0.1	51	0.21	0.030	4
BM11-RP 07	Soil	0.7	11.6	6.0	61	<0.1	9.5	6.0	538	1.87	2.1	<0.5	1.0	19	0.1	0.2	<0.1	45	0.18	0.068	5
BM11-RP 08	Soil	0.5	8.8	5.9	61	<0.1	7.9	5.1	469	1.68	2.0	0.9	0.8	24	0.1	0.1	<0.1	41	0.25	0.098	4
BM11-RP 09	Soil	0.5	9.7	5.0	60	<0.1	9.0	5.3	499	1.68	1.9	<0.5	0.8	25	<0.1	0.1	<0.1	41	0.24	0.069	4
BM11-RP 10	Soil	0.4	10.1	5.6	92	<0.1	7.0	6.1	746	1.84	2.5	<0.5	0.8	29	0.2	0.2	<0.1	46	0.30	0.100	5
BM11-RP 11	Soil	0.5	8.7	5.2	53	<0.1	6.1	5.2	422	1.79	1.9	<0.5	0.7	26	<0.1	0.2	<0.1	48	0.20	0.065	4
BM11-RP 12	Soil	0.6	16.3	5.2	53	<0.1	17.8	9.6	457	2.67	3.8	7.6	1.1	90	0.1	0.2	<0.1	82	0.56	0.035	10
BM11-RP 13	Soil	0.5	11.6	5.5	59	<0.1	10.3	5.9	376	1.85	3.4	<0.5	1.0	30	<0.1	0.1	<0.1	48	0.26	0.157	5
BM11-RP 14	Soil	0.6	12.2	5.8	63	<0.1	8.1	6.5	374	2.01	4.6	<0.5	0.8	28	0.1	0.2	<0.1	50	0.23	0.173	4
BM11-RP 15	Soil	0.5	10.4	5.0	74	<0.1	7.1	5.9	449	1.84	3.9	<0.5	0.9	36	0.1	0.2	<0.1	45	0.24	0.188	4
BM11-RP 16	Soil	0.5	10.3	4.3	36	<0.1	6.0	5.2	323	1.78	2.3	3.2	0.7	40	<0.1	0.2	<0.1	51	0.26	0.032	5
BM11-RP 17	Soil	0.5	23.8	5.0	39	0.1	12.1	6.3	598	2.07	3.2	2.7	1.0	45	<0.1	0.2	<0.1	56	0.41	0.023	24
BM11-RP 18	Soil	0.6	13.4	5.7	45	<0.1	7.7	6.3	265	2.24	4.2	2.1	0.9	42	<0.1	0.3	<0.1	64	0.28	0.051	5
BM11-RP 19	Soil	0.3	11.1	6.4	55	<0.1	7.8	5.8	390	1.70	2.8	<0.5	0.9	24	0.1	0.1	0.1	38	0.25	0.113	4
BM11-RP 20	Soil	0.4	12.9	5.9	49	<0.1	6.7	6.0	562	1.85	1.9	<0.5	1.2	41	<0.1	0.1	<0.1	48	0.39	0.048	8
BM11-RP 21	Soil	0.6	37.1	8.3	53	0.3	15.3	9.9	928	3.06	4.8	1.1	2.1	54	<0.1	0.2	0.1	59	0.61	0.044	34
BM11-RP 22	Soil	0.4	5.6	4.9	41	<0.1	3.6	3.7	272	1.28	1.5	4.8	0.5	31	<0.1	0.1	0.1	34	0.27	0.030	5
BM11-RP 23	Soil	0.4	7.9	5.9	48	<0.1	6.0	4.2	472	1.43	1.8	1.1	0.7	21	<0.1	0.1	<0.1	37	0.17	0.047	4
BM11-RP 24	Soil	0.7	9.2	5.8	58	<0.1	6.5	5.5	745	1.80	2.4	<0.5	0.7	24	0.1	0.2	<0.1	45	0.22	0.082	5
BM11-RP 25	Soil	0.4	5.6	5.2	41	<0.1	4.2	3.9	412	1.33	1.5	<0.5	0.5	17	<0.1	0.1	<0.1	35	0.15	0.028	5
BM11-RP 26	Soil	0.5	6.5	5.3	34	<0.1	5.1	3.9	129	1.56	1.2	1.8	0.6	20	<0.1	0.2	<0.1	41	0.20	0.018	4
BM11-RP 27	Soil	0.7	9.3	5.8	56	<0.1	7.4	6.1	390	1.91	3.0	<0.5	0.8	21	<0.1	0.2	<0.1	51	0.19	0.087	4
BM11-RP 28	Soil	0.4	16.7	6.2	35	0.1	8.0	5.9	479	2.00	2.1	2.6	1.0	38	<0.1	0.2	<0.1	49	0.49	0.019	28
BM11-RP 29	Soil	0.6	7.3	5.3	42	<0.1	5.2	4.5	344	1.71	1.8	0.7	0.7	19	<0.1	0.2	<0.1	46	0.19	0.058	4
BM11-RP 30	Soil	0.6	8.3	5.0	36	<0.1	6.3	4.6	174	1.70	2.0	0.7	0.7	19	<0.1	0.2	<0.1	45	0.16	0.027	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 2 of 9 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003751.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	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	0.1	0.05	1	0.5	0.2
BM11-RP 01	Soil	19	0.41	235	0.076	2	2.05	0.022	0.06	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
BM11-RP 02	Soil	13	0.41	103	0.094	1	2.38	0.011	0.09	<0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11-RP 03	Soil	14	0.26	88	0.070	1	1.66	0.009	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-RP 04	Soil	12	0.25	114	0.063	<1	1.89	0.011	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-RP 05	Soil	12	0.25	105	0.060	<1	1.25	0.009	0.05	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 06	Soil	12	0.23	93	0.071	<1	1.13	0.011	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 07	Soil	13	0.24	135	0.069	<1	1.54	0.010	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 08	Soil	11	0.23	126	0.063	1	1.39	0.010	0.09	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 09	Soil	12	0.24	133	0.071	<1	1.37	0.012	0.06	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 10	Soil	12	0.22	139	0.063	1	1.37	0.011	0.10	<0.1	0.06	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 11	Soil	11	0.20	120	0.074	<1	1.04	0.010	0.05	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 12	Soil	23	0.66	113	0.121	1	1.50	0.028	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 13	Soil	14	0.26	140	0.069	<1	1.50	0.012	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 14	Soil	13	0.23	124	0.058	1	1.46	0.011	0.06	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 15	Soil	12	0.21	168	0.061	<1	1.27	0.014	0.08	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 16	Soil	13	0.22	101	0.093	1	0.80	0.011	0.10	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 17	Soil	16	0.36	91	0.067	<1	1.57	0.017	0.06	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 18	Soil	14	0.28	110	0.089	1	1.05	0.013	0.07	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 19	Soil	11	0.21	135	0.068	<1	2.02	0.012	0.07	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
BM11-RP 20	Soil	13	0.25	126	0.101	1	1.38	0.012	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 21	Soil	25	0.58	150	0.043	<1	3.07	0.018	0.11	<0.1	0.04	13.5	<0.1	<0.05	8	<0.5	<0.2
BM11-RP 22	Soil	8	0.16	81	0.068	2	0.75	0.015	0.05	<0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 23	Soil	9	0.18	109	0.069	<1	1.26	0.010	0.05	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 24	Soil	11	0.20	121	0.058	<1	1.24	0.010	0.07	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 25	Soil	8	0.14	80	0.060	<1	0.84	0.011	0.05	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 26	Soil	11	0.19	74	0.078	<1	0.92	0.011	0.05	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 27	Soil	11	0.22	114	0.067	1	1.33	0.011	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-RP 28	Soil	14	0.34	102	0.063	<1	1.43	0.019	0.05	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
BM11-RP 29	Soil	10	0.18	75	0.069	<1	0.99	0.010	0.05	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 30	Soil	11	0.20	107	0.059	<1	0.97	0.010	0.06	<0.1	<0.01	1.6	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-RP 31	Soil		0.5	8.1	5.5	46	<0.1	6.0	4.9	310	1.71	2.6	0.6	0.6	18	<0.1	0.2	<0.1	42	0.19	0.053	5
BM11-JC 01	Soil		0.7	7.2	5.9	71	<0.1	5.1	3.8	634	1.35	2.1	1.2	0.7	23	0.2	0.1	<0.1	32	0.28	0.110	4
BM11-JC 02	Soil		0.7	8.9	5.7	87	0.1	7.1	4.4	525	1.54	3.6	0.7	0.9	24	0.2	0.1	0.1	38	0.22	0.172	5
BM11-JC 03	Soil		0.6	11.7	5.5	76	0.1	8.4	4.7	280	1.85	3.0	0.9	0.9	24	0.4	0.2	<0.1	47	0.26	0.183	5
BM11-JC 04	Soil		0.7	13.2	5.6	58	<0.1	7.8	5.3	290	2.11	3.1	1.9	1.0	26	<0.1	0.3	<0.1	55	0.25	0.057	6
BM11-JC 05	Soil		0.7	12.8	5.9	64	0.1	7.9	5.3	347	2.06	2.8	4.1	1.1	26	<0.1	0.3	0.1	52	0.27	0.060	6
BM11-JC 06	Soil		0.6	9.6	5.5	93	0.1	7.7	4.4	628	1.47	1.9	<0.5	0.9	19	0.2	0.1	<0.1	36	0.21	0.111	4
BM11-JC 07	Soil		0.6	14.8	6.1	79	0.1	8.5	5.9	474	1.90	3.3	0.8	1.2	31	0.2	0.2	<0.1	41	0.27	0.093	6
BM11-JC 08	Soil		0.4	10.9	5.9	93	<0.1	7.2	5.5	849	1.82	2.6	<0.5	0.8	29	0.1	0.1	<0.1	42	0.32	0.119	5
BM11-JC 09	Soil		0.8	14.9	6.8	58	<0.1	9.0	6.3	592	2.23	2.8	2.1	1.2	18	0.1	0.2	0.1	54	0.18	0.050	7
BM11-JC 10	Soil		0.6	12.9	5.7	79	<0.1	9.2	5.6	575	1.86	2.0	0.7	0.9	25	0.1	0.2	0.1	44	0.23	0.056	7
BM11-JC 11	Soil		0.6	12.4	5.7	69	<0.1	9.4	5.9	621	1.78	2.0	<0.5	1.0	24	<0.1	0.2	<0.1	43	0.27	0.073	6
BM11-JC 12	Soil		0.6	13.5	5.8	57	<0.1	10.4	6.4	662	2.07	2.2	2.4	1.2	31	<0.1	0.2	<0.1	53	0.27	0.046	6
BM11-JC 13	Soil		0.6	15.8	5.6	57	<0.1	10.5	6.6	563	2.29	2.2	0.6	1.3	27	<0.1	0.2	0.1	56	0.25	0.031	8
BM11-JC 14	Soil		0.6	10.9	6.4	67	<0.1	6.8	5.6	1618	1.77	2.2	0.8	0.9	30	0.2	0.2	<0.1	45	0.25	0.055	5
BM11-JC 15	Soil		0.5	8.8	4.8	35	<0.1	6.5	4.5	302	1.76	1.3	0.6	0.9	28	<0.1	0.2	<0.1	47	0.21	0.025	5
BM11-JC 16	Soil		0.6	12.8	5.9	52	<0.1	7.2	6.3	494	2.27	2.4	13.7	1.1	29	0.1	0.3	<0.1	58	0.22	0.033	8
BM11-JC 17	Soil		0.6	11.0	5.4	57	<0.1	6.9	5.4	455	1.94	2.0	0.6	1.0	32	<0.1	0.2	<0.1	50	0.33	0.041	6
BM11-JC 18	Soil		0.5	9.8	5.6	82	<0.1	6.5	5.1	668	1.79	2.7	1.2	1.0	24	0.1	0.2	<0.1	43	0.20	0.099	5
BM11-JC 19	Soil		0.5	9.5	5.1	64	<0.1	6.3	4.7	317	1.65	1.8	0.8	0.9	21	<0.1	0.2	<0.1	43	0.19	0.048	5
BM11-JC 20	Soil		0.5	10.7	4.2	59	<0.1	7.3	4.8	331	1.74	1.6	<0.5	0.7	34	<0.1	0.2	<0.1	45	0.32	0.030	10
BM11-JC 21	Soil		0.5	10.5	4.9	42	<0.1	6.2	4.6	312	1.58	1.5	1.1	0.7	31	<0.1	0.1	<0.1	42	0.30	0.020	11
BM11-JC 22	Soil		0.5	11.4	4.6	52	<0.1	7.8	4.7	383	1.75	1.5	<0.5	0.8	32	<0.1	0.2	<0.1	47	0.32	0.026	9
BM11-JC 23	Soil		0.5	9.1	5.5	57	<0.1	6.9	4.7	321	1.81	2.0	0.9	0.8	23	<0.1	0.2	<0.1	41	0.23	0.073	5
BM11-JC 24	Soil		0.6	9.3	5.3	47	<0.1	5.9	4.6	302	1.67	1.4	1.5	0.7	27	<0.1	0.2	<0.1	40	0.24	0.034	7
BM11-JC 25	Soil		0.6	9.0	5.0	36	<0.1	5.5	4.3	217	1.76	2.0	1.6	0.8	36	<0.1	0.2	<0.1	47	0.24	0.042	6
BM11-JC 26	Soil		0.5	11.8	5.3	41	<0.1	6.3	4.8	354	1.74	1.8	1.0	0.9	52	<0.1	0.2	<0.1	45	0.30	0.020	9
BM11-JC 27	Soil		0.4	9.5	4.8	32	<0.1	5.8	3.6	209	1.41	1.3	1.3	0.7	31	<0.1	0.1	<0.1	37	0.25	0.013	11
BM11-JC 28	Soil		0.4	6.8	4.6	27	<0.1	4.4	3.2	126	1.40	1.2	0.5	0.6	24	<0.1	0.2	<0.1	36	0.19	0.018	6
BM11-JC 29	Soil		0.4	12.1	4.8	38	<0.1	6.1	4.0	221	1.60	1.7	5.3	0.9	33	<0.1	0.2	<0.1	41	0.28	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 3 of 9 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-RP 31	Soil	10	0.19	119	0.034	<1	1.15	0.010	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 01	Soil	8	0.14	171	0.048	1	0.99	0.011	0.06	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 02	Soil	10	0.16	154	0.061	2	1.33	0.014	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 03	Soil	14	0.20	117	0.064	1	1.36	0.013	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 04	Soil	13	0.27	139	0.085	1	1.32	0.013	0.07	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 05	Soil	13	0.27	149	0.084	2	1.33	0.012	0.08	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 06	Soil	9	0.15	129	0.066	1	1.23	0.015	0.05	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 07	Soil	12	0.30	133	0.079	2	2.21	0.014	0.09	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 08	Soil	10	0.28	116	0.086	1	2.01	0.018	0.07	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11-JC 09	Soil	14	0.30	118	0.058	1	2.22	0.011	0.06	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11-JC 10	Soil	14	0.28	122	0.063	<1	1.87	0.011	0.07	<0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 11	Soil	13	0.24	142	0.061	1	1.65	0.014	0.09	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 12	Soil	15	0.29	163	0.072	1	1.72	0.017	0.08	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 13	Soil	15	0.32	134	0.078	1	2.19	0.012	0.08	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 14	Soil	11	0.18	216	0.078	1	1.37	0.013	0.09	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 15	Soil	12	0.20	120	0.088	1	1.12	0.012	0.08	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 16	Soil	14	0.29	122	0.072	<1	1.56	0.011	0.07	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 17	Soil	12	0.26	145	0.080	<1	1.58	0.013	0.09	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 18	Soil	11	0.20	144	0.066	1	1.39	0.012	0.08	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 19	Soil	11	0.20	93	0.066	<1	1.14	0.013	0.06	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 20	Soil	14	0.26	108	0.078	<1	1.18	0.014	0.08	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 21	Soil	12	0.22	76	0.071	<1	1.09	0.016	0.07	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 22	Soil	14	0.28	94	0.086	<1	1.23	0.016	0.08	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 23	Soil	12	0.22	110	0.058	<1	1.34	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 24	Soil	12	0.20	91	0.066	1	1.12	0.015	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 25	Soil	11	0.20	98	0.082	<1	0.99	0.012	0.08	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 26	Soil	12	0.26	99	0.090	<1	1.19	0.016	0.08	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 27	Soil	11	0.20	80	0.073	1	1.11	0.018	0.05	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 28	Soil	9	0.16	79	0.062	<1	0.88	0.013	0.05	<0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 29	Soil	12	0.21	79	0.070	1	1.12	0.018	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-JC 30	Soil			0.7	8.6	5.3	47	<0.1	5.7	5.0	251	1.76	2.1	8.8	0.7	28	<0.1	0.2	<0.1	43	0.25	0.061	5
BM11-JC 31	Soil			0.5	8.9	5.4	44	<0.1	7.3	5.1	348	2.02	2.8	3.7	0.8	27	<0.1	0.3	<0.1	51	0.25	0.045	5
BM11-JC 32	Soil			0.5	12.8	5.2	41	0.1	8.2	5.1	234	1.81	2.4	2.1	1.0	22	<0.1	0.2	<0.1	43	0.20	0.024	8
BM11-JC 33	Soil			0.6	8.9	5.2	40	<0.1	7.6	5.1	264	1.72	2.1	1.3	0.7	23	<0.1	0.2	<0.1	45	0.22	0.039	5
BM11-JC 34	Soil			0.9	11.6	5.9	49	<0.1	7.3	5.4	480	1.98	3.9	0.7	0.9	25	0.1	0.3	<0.1	47	0.25	0.076	6
BM11-JC 35	Soil			0.6	10.4	5.8	48	<0.1	6.3	5.2	320	1.73	2.6	1.6	0.8	33	<0.1	0.2	<0.1	41	0.33	0.068	8
BM11-JC 36	Soil			0.7	33.7	8.2	67	0.2	12.6	6.0	1140	1.97	2.7	<0.5	0.6	78	0.4	0.3	<0.1	34	1.08	0.057	49
BM11-JC 37	Soil			0.7	12.1	6.0	65	0.1	7.6	5.5	533	1.84	2.7	3.1	0.9	25	<0.1	0.2	<0.1	42	0.24	0.092	7
BM11-JC 38	Soil			0.6	10.7	6.5	71	<0.1	8.5	5.5	494	1.88	2.8	4.1	0.9	32	<0.1	0.2	0.2	46	0.27	0.103	6
BM11-JC 39	Soil			0.5	9.1	6.5	62	<0.1	7.2	5.1	359	1.85	2.8	3.1	0.8	36	0.1	0.2	0.1	45	0.25	0.088	5
BM11-JC 40	Soil			0.6	8.4	5.8	48	<0.1	6.4	4.8	418	1.74	2.4	<0.5	0.7	44	<0.1	0.2	<0.1	48	0.38	0.041	5
BM11-JC 41	Soil			0.6	7.6	5.7	55	<0.1	7.2	4.8	390	1.79	2.3	1.9	0.9	24	<0.1	0.2	0.2	45	0.23	0.058	5
BM11-JC 42	Soil			0.7	7.4	5.6	52	<0.1	7.5	5.1	491	1.72	2.4	<0.5	0.8	24	<0.1	0.2	0.1	45	0.24	0.057	5
BM11-JC 43	Soil			0.6	7.6	6.0	53	<0.1	7.4	5.3	465	1.73	2.5	3.0	0.8	24	<0.1	0.3	0.1	46	0.25	0.061	5
BM11-JC 44	Soil			0.8	17.4	5.9	49	<0.1	9.3	7.8	827	2.28	4.7	7.0	1.0	54	<0.1	0.3	<0.1	62	0.45	0.049	14
BM11-JC 45	Soil			0.8	18.3	6.0	51	<0.1	9.3	7.7	895	2.29	4.6	3.0	1.1	54	0.1	0.4	<0.1	61	0.45	0.049	14
BM11-JC 46	Soil			0.8	10.0	5.8	52	<0.1	8.0	6.8	1043	1.99	3.3	10.8	0.9	25	<0.1	0.2	<0.1	48	0.24	0.077	6
BM11-JC 47	Soil			1.2	18.9	7.3	59	<0.1	8.7	8.0	810	2.56	6.6	2.7	1.2	41	<0.1	0.4	<0.1	60	0.39	0.059	13
BM11-JC 48	Soil			1.2	18.8	7.3	56	0.2	7.9	8.3	1000	2.50	7.0	222.5	1.2	39	0.1	0.4	<0.1	58	0.40	0.068	13
BM11-JC 49	Soil			0.8	10.7	5.7	57	<0.1	7.5	6.4	484	1.99	3.5	<0.5	1.0	22	<0.1	0.2	<0.1	51	0.20	0.064	5
BM11-JC 50	Soil			0.6	8.1	5.6	63	<0.1	6.7	5.9	769	1.69	2.9	1.7	0.7	25	<0.1	0.2	<0.1	45	0.21	0.097	4
BM11-S02	Rock Pulp			128.2	3571	21.4	61	2.4	35.6	20.8	378	4.13	53.4	446.9	1.8	27	0.3	3.6	0.4	126	0.32	0.090	12
BM11-JC 51	Soil			0.6	9.8	5.0	44	<0.1	6.5	5.2	352	1.75	2.4	6.5	0.7	27	<0.1	0.2	<0.1	48	0.26	0.038	6
BM11-JC 52	Soil			0.5	8.9	4.9	56	<0.1	7.2	5.9	376	1.91	3.8	0.9	0.9	26	<0.1	0.2	<0.1	53	0.22	0.082	5
BM11-JC 53	Soil			0.8	48.8	8.2	54	0.3	21.0	9.7	2008	3.08	5.0	2.0	1.7	72	0.2	0.4	0.1	56	1.08	0.035	62
BM11-JC 54	Soil			0.6	10.4	6.0	83	<0.1	9.7	6.1	771	1.75	2.8	<0.5	0.9	27	0.1	0.2	<0.1	46	0.25	0.100	5
BM11-JC 55	Soil			0.7	13.3	5.4	69	<0.1	9.2	5.9	577	1.80	3.1	1.7	0.9	27	<0.1	0.2	<0.1	50	0.24	0.088	5
BM11-JC 56	Soil			0.5	7.3	5.7	45	<0.1	6.2	5.5	553	1.84	1.9	<0.5	0.7	40	<0.1	0.2	<0.1	57	0.24	0.023	4
BM11-JC 57	Soil			0.5	6.8	5.6	58	<0.1	7.3	5.3	651	1.64	2.1	<0.5	0.8	21	<0.1	0.1	<0.1	44	0.19	0.072	4
BM11-JC 58	Soil			0.5	7.9	5.5	45	<0.1	6.4	5.6	295	1.92	2.9	3.3	0.7	33	<0.1	0.2	<0.1	57	0.23	0.042	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003751.1

Method	Analyte	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	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			
BM11-JC 30	Soil	11	0.18	118	0.050	1	1.05	0.010	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 31	Soil	12	0.22	122	0.061	1	1.11	0.011	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 32	Soil	13	0.22	122	0.071	1	1.32	0.015	0.07	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 33	Soil	12	0.21	130	0.065	1	1.26	0.013	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 34	Soil	12	0.22	121	0.052	1	1.08	0.011	0.06	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 35	Soil	11	0.20	117	0.060	1	1.24	0.013	0.07	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 36	Soil	15	0.38	202	0.034	3	2.09	0.013	0.12	<0.1	0.10	6.0	<0.1	<0.05	6	0.5	<0.2		
BM11-JC 37	Soil	11	0.22	123	0.064	1	1.45	0.012	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 38	Soil	10	0.22	115	0.085	2	1.53	0.017	0.10	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2		
BM11-JC 39	Soil	11	0.21	122	0.088	2	1.30	0.014	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 40	Soil	10	0.22	108	0.113	2	1.15	0.013	0.11	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 41	Soil	10	0.21	113	0.070	2	1.20	0.012	0.06	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 42	Soil	11	0.20	127	0.058	1	1.11	0.010	0.06	<0.1	0.02	1.5	<0.1	0.07	4	<0.5	<0.2		
BM11-JC 43	Soil	11	0.20	132	0.059	2	1.16	0.011	0.06	<0.1	0.02	1.5	<0.1	0.05	4	<0.5	<0.2		
BM11-JC 44	Soil	15	0.35	141	0.091	1	1.20	0.016	0.10	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 45	Soil	15	0.35	143	0.087	2	1.20	0.017	0.10	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 46	Soil	11	0.23	164	0.042	<1	1.32	0.011	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 47	Soil	14	0.35	192	0.066	1	1.27	0.010	0.10	<0.1	0.03	3.4	<0.1	0.05	4	<0.5	<0.2		
BM11-JC 48	Soil	13	0.34	197	0.066	2	1.22	0.010	0.12	<0.1	0.04	3.4	<0.1	0.06	4	<0.5	<0.2		
BM11-JC 49	Soil	11	0.23	147	0.052	1	1.50	0.010	0.08	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 50	Soil	9	0.19	121	0.064	<1	1.33	0.010	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2		
BM11-S02	Rock Pulp	50	0.87	49	0.106	2	1.32	0.034	0.89	4.4	0.06	8.4	0.5	2.04	5	7.3	0.7		
BM11-JC 51	Soil	11	0.20	120	0.054	<1	1.20	0.011	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 52	Soil	12	0.23	132	0.067	1	1.30	0.010	0.08	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 53	Soil	24	0.51	315	0.043	<1	3.89	0.019	0.13	<0.1	0.08	10.3	<0.1	<0.05	10	0.7	<0.2		
BM11-JC 54	Soil	12	0.22	147	0.079	<1	1.54	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 55	Soil	12	0.24	146	0.083	<1	1.48	0.012	0.06	0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 56	Soil	11	0.22	119	0.120	1	1.21	0.011	0.09	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2		
BM11-JC 57	Soil	10	0.18	125	0.084	1	1.33	0.012	0.07	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2		
BM11-JC 58	Soil	11	0.22	109	0.104	2	1.13	0.011	0.07	<0.1	0.01	2.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-JC 59	Soil	0.4	7.3	4.8	62	<0.1	8.0	5.4	421	1.68	2.5	<0.5	0.8	26	<0.1	0.2	<0.1	44	0.27	0.100	4
BM11-JC 60	Soil	0.5	9.2	5.0	58	<0.1	8.2	5.8	309	1.87	3.3	<0.5	0.9	29	<0.1	0.2	<0.1	50	0.26	0.100	4
BM11-JC 61	Soil	0.5	15.2	5.6	41	<0.1	8.2	7.0	306	2.40	4.7	7.6	1.3	65	<0.1	0.3	<0.1	70	0.42	0.049	9
BM11-JC 62	Soil	0.7	10.9	5.3	42	<0.1	7.3	6.2	472	2.09	2.0	9.2	1.0	52	<0.1	0.2	<0.1	61	0.40	0.023	8
BM11-JC 63	Soil	0.5	7.5	4.6	55	<0.1	6.0	5.1	565	1.74	2.0	2.7	0.8	31	<0.1	0.2	<0.1	50	0.22	0.053	5
BM11-JC 64	Soil	0.6	10.9	5.4	51	<0.1	7.5	5.9	225	2.07	3.0	<0.5	1.0	32	<0.1	0.2	<0.1	56	0.23	0.102	5
BM11-JC 65	Soil	0.4	11.7	5.0	56	<0.1	9.5	6.5	226	2.10	3.4	1.6	1.0	39	<0.1	0.2	0.1	58	0.32	0.121	5
BM11-JC 66	Soil	0.6	8.6	5.8	70	<0.1	7.3	5.9	231	1.95	2.6	0.7	0.9	26	<0.1	0.2	0.1	50	0.21	0.138	5
BM11-JC 67	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.
BM11-JC 68	Soil	0.5	14.1	5.0	44	<0.1	7.6	6.0	335	2.31	3.6	1.4	1.1	63	<0.1	0.3	<0.1	67	0.44	0.034	8
BM11-JC 69	Soil	0.7	9.5	5.6	69	<0.1	8.7	5.6	697	1.82	1.9	0.6	0.8	32	0.2	0.2	<0.1	47	0.33	0.064	5
BM11-JC 70	Soil	0.7	9.6	5.8	68	<0.1	8.5	5.8	686	1.90	2.0	<0.5	0.9	32	0.1	0.2	<0.1	48	0.32	0.062	5
BM11-JC 71	Soil	0.6	11.1	6.0	71	<0.1	10.0	6.0	621	1.99	2.3	<0.5	1.0	31	0.1	0.2	<0.1	52	0.29	0.064	5
BM11-JC 72	Soil	0.6	11.2	6.2	72	<0.1	9.7	5.9	720	1.92	2.3	2.7	1.1	33	0.1	0.2	<0.1	50	0.32	0.069	5
BM11-JC 73	Soil	0.5	13.8	5.2	54	<0.1	10.2	6.4	418	2.17	2.6	<0.5	1.1	32	<0.1	0.2	<0.1	59	0.28	0.057	8
BM11-JC 74	Soil	0.7	14.8	5.3	52	<0.1	9.8	6.6	397	2.34	3.7	0.5	1.2	33	<0.1	0.3	<0.1	66	0.31	0.055	7
BM11-JC 75	Soil	0.7	15.2	5.3	49	<0.1	9.6	6.6	364	2.49	3.8	1.0	1.2	34	<0.1	0.3	<0.1	69	0.31	0.048	7
BM11-JC 76	Soil	0.6	19.4	5.6	56	<0.1	12.7	8.3	393	2.72	3.9	1.9	1.5	42	<0.1	0.3	<0.1	73	0.37	0.050	9
BM11-JC 77	Soil	0.5	33.0	7.2	49	0.2	16.5	8.9	712	2.75	4.2	1.1	2.1	52	<0.1	0.2	0.1	59	0.56	0.033	37
BM11-JC 78	Soil	0.5	11.6	6.1	71	<0.1	9.9	5.9	339	2.05	2.3	3.9	1.0	34	0.1	0.2	0.1	51	0.29	0.121	6
BM11-JC 79	Soil	0.3	11.5	5.1	46	<0.1	7.8	4.5	237	1.76	1.6	1.9	1.0	36	<0.1	0.2	0.1	46	0.32	0.020	9
BM11-JC 80	Soil	0.5	12.3	5.9	60	<0.1	8.7	6.0	764	1.77	2.9	0.9	1.1	22	0.1	0.2	<0.1	42	0.27	0.145	7
BM11-JC 81	Soil	0.4	10.3	4.8	53	<0.1	7.3	4.8	219	1.71	1.3	1.2	0.8	32	<0.1	0.2	<0.1	48	0.30	0.019	8
BM11-JC 82	Soil	0.6	12.2	5.7	61	<0.1	8.6	6.4	538	1.95	2.7	2.0	1.1	25	<0.1	0.2	0.1	48	0.25	0.140	6
BM11-JC 83	Soil	1.0	17.5	5.5	51	<0.1	9.6	7.3	366	2.69	5.0	4.6	1.2	48	<0.1	0.4	<0.1	73	0.40	0.046	8
BM11-JC 84	Soil	0.5	9.7	5.7	88	<0.1	6.9	4.5	462	1.60	2.5	1.6	1.0	20	0.1	0.1	0.1	37	0.19	0.210	5
BM11-JC 85	Soil	0.5	8.3	6.4	76	0.1	4.5	4.0	530	1.29	2.5	1.0	0.4	18	0.2	0.1	0.1	29	0.19	0.280	4
BM11-JC 86	Soil	0.6	10.0	5.1	69	0.1	7.1	5.4	363	1.86	2.7	2.8	0.9	21	<0.1	0.2	0.1	46	0.19	0.118	5
BM11-JC 87	Soil	0.6	7.8	6.1	92	0.2	5.1	4.1	435	1.41	4.3	29.2	1.0	14	0.1	0.1	0.1	33	0.12	0.225	4
BM11-JC 88	Soil	1.0	8.1	6.4	89	<0.1	5.7	3.8	1015	1.37	1.7	2.1	0.7	28	0.3	0.1	0.1	33	0.28	0.128	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 15, 2011

**Page:** 5 of 9 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003751.1

Method	Analyte	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
BM11-JC 59	Soil	12	0.21	130	0.084	2	1.28	0.012	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 60	Soil	12	0.24	146	0.077	2	1.36	0.010	0.09	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 61	Soil	16	0.38	121	0.121	1	1.26	0.016	0.11	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 62	Soil	15	0.31	139	0.120	2	1.05	0.014	0.14	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 63	Soil	11	0.21	132	0.094	1	1.01	0.014	0.09	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 64	Soil	14	0.26	124	0.086	1	1.33	0.014	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 65	Soil	14	0.31	146	0.092	1	1.41	0.016	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 66	Soil	13	0.21	116	0.078	2	1.25	0.012	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 67	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.
BM11-JC 68	Soil	16	0.33	132	0.116	1	1.18	0.020	0.08	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 69	Soil	13	0.24	183	0.087	1	1.58	0.016	0.10	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 70	Soil	13	0.25	185	0.089	<1	1.64	0.011	0.10	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 71	Soil	14	0.27	192	0.094	1	1.82	0.015	0.10	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 72	Soil	14	0.27	193	0.096	2	1.83	0.012	0.11	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 73	Soil	17	0.34	140	0.095	1	1.58	0.012	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 74	Soil	16	0.34	140	0.105	1	1.46	0.012	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 75	Soil	17	0.35	142	0.106	1	1.42	0.013	0.07	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 76	Soil	21	0.47	144	0.120	2	1.76	0.015	0.09	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 77	Soil	24	0.48	189	0.065	1	3.03	0.018	0.11	<0.1	0.04	8.0	<0.1	<0.05	8	<0.5	<0.2
BM11-JC 78	Soil	14	0.31	148	0.096	2	1.66	0.016	0.08	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 79	Soil	14	0.31	113	0.122	2	1.26	0.018	0.05	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 80	Soil	11	0.28	135	0.086	1	1.75	0.014	0.07	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 81	Soil	13	0.28	103	0.112	2	1.04	0.016	0.05	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 82	Soil	14	0.26	136	0.092	2	1.60	0.016	0.09	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 83	Soil	18	0.41	95	0.100	2	1.20	0.014	0.09	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 84	Soil	10	0.20	147	0.069	2	1.44	0.018	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 85	Soil	8	0.15	167	0.062	2	1.18	0.016	0.05	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 86	Soil	12	0.25	116	0.059	1	1.33	0.018	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 87	Soil	8	0.16	165	0.071	1	1.23	0.017	0.04	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 88	Soil	8	0.19	223	0.063	2	1.19	0.019	0.06	<0.1	0.03	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	2	0.01	0.001	1	
BM11-JC 89	Soil	0.6	14.5	5.9	73	<0.1	7.0	4.7	476	1.81	3.5	1.1	1.1	30	0.1	0.2	<0.1	44	0.32	0.115	6
BM11-JC 90	Soil	0.6	11.5	5.2	67	<0.1	6.8	4.8	304	1.88	2.5	20.7	1.0	20	0.1	0.2	<0.1	49	0.21	0.070	6
BM11-JC 91	Soil	0.9	9.1	5.9	57	<0.1	6.4	4.5	554	1.58	2.0	10.3	0.9	25	<0.1	0.2	<0.1	39	0.26	0.076	5
BM11-JC 92	Soil	0.6	6.6	5.2	76	<0.1	5.3	3.7	621	1.45	2.0	1.7	0.7	20	0.1	0.2	<0.1	39	0.18	0.064	5
BM11-JC 93	Soil	0.5	8.3	5.9	80	<0.1	6.9	5.4	1115	1.87	2.2	1.7	0.9	34	0.1	0.2	<0.1	49	0.36	0.072	6
BM11-JC 94	Soil	0.6	9.1	6.1	75	<0.1	6.8	5.3	999	1.90	2.1	0.9	1.0	36	0.1	0.2	<0.1	48	0.36	0.068	6
BM11-JC 95	Soil	0.6	8.8	6.1	79	<0.1	6.8	5.6	1156	1.88	2.3	2.6	0.9	37	0.1	0.2	<0.1	50	0.37	0.074	7
BM11-JC 96	Soil	0.6	16.4	6.7	67	<0.1	8.9	7.1	546	2.48	3.2	13.6	1.4	41	<0.1	0.3	<0.1	62	0.25	0.085	7
BM11-JC 97	Soil	0.5	10.7	6.2	73	<0.1	7.2	5.2	681	1.72	2.0	0.9	1.0	30	0.1	0.2	<0.1	42	0.20	0.072	5
BM11-JC 98	Soil	0.5	11.4	8.6	92	<0.1	7.5	5.4	1190	2.01	3.8	0.6	1.1	39	0.2	0.2	0.1	45	0.48	0.100	10
BM11-JC 99	Soil	0.6	11.2	5.8	76	<0.1	8.0	5.5	771	1.82	2.8	0.5	1.1	25	0.1	0.2	<0.1	46	0.25	0.081	5
BM11-JC 100	Soil	0.7	12.2	6.6	73	<0.1	8.2	5.5	925	1.84	2.8	0.6	1.0	26	0.1	0.2	<0.1	45	0.27	0.078	6
BM11-S06	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JC 101	Soil	0.6	10.8	6.1	94	<0.1	7.4	5.2	611	1.67	2.7	0.7	1.1	26	0.1	0.2	0.1	40	0.25	0.091	5
BM11-JC 102	Soil	0.6	13.5	6.4	99	<0.1	8.6	5.7	535	2.16	3.8	0.5	1.1	21	<0.1	0.2	0.1	53	0.16	0.103	6
BM11-JC 103	Soil	0.4	9.0	6.3	93	<0.1	6.2	4.6	958	1.66	2.7	1.4	0.9	18	0.1	0.1	<0.1	41	0.13	0.076	5
BM11-JC 104	Soil	0.5	10.7	5.8	84	<0.1	8.7	5.2	430	1.68	2.1	0.9	1.0	28	0.1	0.2	<0.1	42	0.24	0.082	6
BM11-JC 105	Soil	0.7	8.3	5.6	57	<0.1	6.3	4.7	553	1.56	2.3	<0.5	0.8	22	<0.1	0.2	<0.1	41	0.19	0.043	5
BM11-JC 106	Soil	0.7	53.7	9.0	52	0.4	15.6	7.1	389	2.67	4.7	<0.5	2.1	48	<0.1	0.3	0.2	49	0.44	0.048	56
BM11-JC 107	Soil	0.4	5.9	6.5	57	<0.1	5.2	4.3	443	1.58	1.4	<0.5	0.7	18	<0.1	0.2	<0.1	40	0.21	0.029	4
BM11-JC 108	Soil	0.4	5.9	6.1	53	<0.1	5.7	4.1	940	1.43	1.4	7.6	0.6	24	0.1	0.2	<0.1	34	0.27	0.044	4
BM11-JC 109	Soil	0.6	9.5	6.8	54	<0.1	7.4	4.9	492	1.74	1.6	2.2	0.8	20	<0.1	0.2	<0.1	40	0.20	0.038	7
BM11-JC 110	Soil	0.6	6.8	7.0	69	<0.1	4.8	4.4	780	1.48	2.1	0.8	0.6	21	0.1	0.2	<0.1	33	0.24	0.069	5
BM11-JC 111	Soil	0.6	18.5	6.3	41	<0.1	8.6	6.2	665	1.87	2.1	2.6	1.2	34	<0.1	0.2	<0.1	45	0.43	0.021	37
BM11-JC 112	Soil	0.5	8.7	6.3	61	<0.1	6.3	4.9	469	1.74	2.1	<0.5	0.8	20	<0.1	0.2	0.1	40	0.29	0.087	6
BM11-JC 113	Soil	0.8	8.9	6.1	70	<0.1	6.1	4.7	560	1.62	2.1	1.1	0.8	17	<0.1	0.2	0.1	35	0.24	0.107	4
BM11-JC 114	Soil	0.6	8.3	6.0	66	<0.1	6.8	5.1	445	1.67	2.4	0.5	0.9	18	<0.1	0.2	0.1	37	0.24	0.106	4
BM11-JC 115	Soil	0.7	9.5	5.3	39	<0.1	6.5	4.9	456	1.84	1.8	<0.5	0.9	23	<0.1	0.2	<0.1	44	0.22	0.024	10
BM11-JC 116	Soil	0.6	10.3	5.7	65	<0.1	7.9	5.4	579	1.71	2.8	<0.5	1.0	25	<0.1	0.2	<0.1	41	0.25	0.087	6
BM11-JC 117	Soil	0.4	8.9	6.8	61	<0.1	7.0	5.3	495	1.74	2.6	<0.5	1.1	22	<0.1	0.2	0.1	38	0.23	0.093	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	Unit	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	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	
BM11-JC 89	Soil	10	0.24	192	0.073	1	1.63	0.022	0.10	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 90	Soil	11	0.25	136	0.064	1	1.44	0.013	0.08	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 91	Soil	9	0.21	165	0.065	1	1.36	0.013	0.08	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 92	Soil	9	0.18	136	0.069	1	0.98	0.013	0.07	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 93	Soil	10	0.25	165	0.077	2	1.63	0.014	0.11	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 94	Soil	11	0.25	171	0.072	1	1.61	0.015	0.10	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 95	Soil	11	0.25	174	0.073	2	1.61	0.019	0.10	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 96	Soil	14	0.39	118	0.076	<1	2.35	0.014	0.06	<0.1	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
BM11-JC 97	Soil	10	0.23	188	0.067	<1	1.63	0.016	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 98	Soil	10	0.28	165	0.083	1	2.61	0.017	0.09	<0.1	0.03	2.9	<0.1	<0.05	11	<0.5	<0.2
BM11-JC 99	Soil	12	0.25	215	0.059	<1	1.72	0.014	0.08	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 100	Soil	12	0.27	197	0.060	1	1.71	0.018	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-S06	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JC 101	Soil	11	0.24	132	0.066	1	1.46	0.015	0.09	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 102	Soil	14	0.30	133	0.055	<1	2.10	0.013	0.06	<0.1	<0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
BM11-JC 103	Soil	10	0.20	142	0.054	<1	1.42	0.015	0.05	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 104	Soil	12	0.26	203	0.064	1	1.33	0.023	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 105	Soil	10	0.21	151	0.053	<1	1.08	0.012	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 106	Soil	20	0.59	189	0.039	2	2.92	0.022	0.08	<0.1	0.05	8.2	<0.1	<0.05	9	<0.5	<0.2
BM11-JC 107	Soil	8	0.19	124	0.042	<1	1.36	0.012	0.05	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 108	Soil	8	0.18	147	0.048	<1	1.19	0.014	0.10	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 109	Soil	10	0.26	122	0.050	1	1.57	0.011	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 110	Soil	8	0.19	125	0.052	1	1.23	0.012	0.07	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 111	Soil	13	0.34	100	0.059	<1	1.23	0.018	0.05	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 112	Soil	10	0.22	175	0.054	<1	1.21	0.011	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 113	Soil	10	0.21	158	0.038	2	1.19	0.010	0.07	<0.1	0.03	1.5	<0.1	0.05	4	<0.5	<0.2
BM11-JC 114	Soil	11	0.22	154	0.040	2	1.21	0.011	0.07	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 115	Soil	12	0.23	98	0.061	2	0.97	0.018	0.06	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 116	Soil	12	0.24	175	0.052	2	1.27	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 117	Soil	9	0.24	171	0.051	<1	1.76	0.011	0.07	<0.1	0.03	2.1	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-JC 118	Soil	0.6	5.6	5.6	52	<0.1	4.9	3.9	664	1.38	2.0	<0.5	0.7	21	0.1	0.1	<0.1	33	0.24	0.063	4
BM11-JC 119	Soil	0.6	6.3	5.9	53	0.2	4.8	4.7	921	1.51	1.9	<0.5	0.7	24	0.1	0.2	<0.1	38	0.23	0.067	4
BM11-JC 120	Soil	0.6	7.3	6.2	49	<0.1	5.4	4.6	1010	1.45	2.0	<0.5	0.6	27	<0.1	0.2	<0.1	35	0.27	0.064	5
BM11-JC 121	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.
BM11-JC 122	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.
BM11-JC 123	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.
BM11-MP 01	Soil	0.4	8.7	5.7	62	<0.1	6.7	5.6	528	1.65	2.9	<0.5	1.0	21	0.1	0.2	<0.1	40	0.22	0.116	5
BM11-MP 02	Soil	0.6	5.1	5.5	47	<0.1	5.9	4.0	414	1.33	1.3	<0.5	0.7	20	<0.1	0.1	<0.1	31	0.20	0.087	4
BM11-MP 03	Soil	0.6	7.3	5.7	56	<0.1	6.8	4.6	513	1.63	2.2	<0.5	0.6	29	<0.1	0.2	<0.1	40	0.27	0.075	4
BM11-MP 04	Soil	0.6	6.2	5.0	63	0.3	6.2	4.1	438	1.39	1.8	<0.5	0.7	24	<0.1	0.1	<0.1	32	0.21	0.127	4
BM11-MP 05	Soil	0.6	7.0	5.5	59	<0.1	6.8	4.9	363	1.70	2.2	<0.5	0.8	24	<0.1	0.2	<0.1	40	0.23	0.079	4
BM11-MP 06	Soil	0.8	9.1	5.9	75	0.1	6.8	5.2	741	1.66	2.1	1.4	0.8	25	0.1	0.2	<0.1	40	0.31	0.088	5
BM11-MP 07	Soil	0.7	7.8	5.8	86	0.1	6.5	5.0	500	1.70	2.1	0.5	0.9	23	<0.1	0.1	<0.1	40	0.24	0.137	4
BM11-MP 08	Soil	0.5	4.7	5.1	82	0.1	4.5	3.5	1115	1.14	2.3	2.0	0.8	13	0.1	0.1	<0.1	24	0.17	0.182	3
BM11-MP 09	Soil	0.6	6.4	5.8	56	<0.1	5.7	4.2	550	1.43	2.3	<0.5	0.8	20	<0.1	0.2	<0.1	34	0.25	0.115	4
BM11-MP 10	Soil	0.4	4.0	4.4	50	<0.1	3.5	3.2	493	1.20	1.7	0.7	0.5	22	<0.1	0.1	<0.1	31	0.21	0.051	3
BM11-MP 11	Soil	0.4	4.7	4.8	42	<0.1	3.9	3.3	302	1.43	1.0	<0.5	0.6	20	<0.1	0.2	<0.1	35	0.18	0.026	4
BM11-MP 12	Soil	0.7	4.7	4.6	44	<0.1	4.2	3.1	314	1.35	1.5	1.4	0.5	19	<0.1	0.1	<0.1	33	0.20	0.030	4
BM11-MP 13	Soil	0.6	14.1	4.7	40	0.1	5.8	5.0	486	1.74	2.9	0.8	0.8	36	<0.1	0.2	<0.1	41	0.34	0.022	17
BM11-MP 14	Soil	0.6	7.5	5.4	66	<0.1	5.5	4.4	497	1.51	1.6	<0.5	0.7	31	0.2	0.2	<0.1	37	0.39	0.047	4
BM11-MP 15	Soil	0.3	8.2	5.8	56	<0.1	6.3	4.3	367	1.49	2.3	<0.5	0.9	67	<0.1	0.1	<0.1	31	0.27	0.074	5
BM11-MP 16	Soil	0.6	37.4	8.3	54	0.4	14.9	8.6	854	2.76	3.8	2.1	1.7	61	0.2	0.3	0.1	41	0.97	0.048	77
BM11-MP 17	Soil	0.6	7.6	5.5	63	<0.1	6.3	4.3	413	1.46	1.9	0.6	0.8	22	<0.1	0.1	<0.1	32	0.23	0.077	5
BM11-MP 18	Soil	0.5	6.4	5.6	83	<0.1	6.1	3.9	785	1.31	2.3	<0.5	0.8	22	0.1	0.1	<0.1	30	0.20	0.102	5
BM11-MP 19	Soil	1.2	8.9	5.6	59	<0.1	5.5	4.6	573	1.53	1.7	<0.5	1.0	25	<0.1	0.2	<0.1	36	0.22	0.060	10
BM11-MP 20	Soil	0.5	6.1	5.7	32	<0.1	4.5	4.4	358	1.32	2.5	<0.5	1.0	47	<0.1	0.1	<0.1	33	0.44	0.020	10
BM11-MP 21	Soil	0.6	6.3	5.4	51	<0.1	5.6	4.9	388	1.43	1.9	<0.5	0.8	26	<0.1	0.2	<0.1	37	0.20	0.059	4
BM11-MP 22	Soil	0.3	5.7	5.0	66	<0.1	4.0	3.0	628	1.05	1.7	<0.5	0.6	39	0.2	<0.1	<0.1	25	0.47	0.099	4
BM11-MP 23	Soil	0.4	7.5	6.2	61	<0.1	4.9	3.8	441	1.54	2.6	7.7	0.8	25	0.1	0.2	<0.1	35	0.34	0.080	5
BM11-MP 24	Soil	0.4	7.1	6.1	69	<0.1	4.9	3.9	596	1.47	2.7	<0.5	0.8	23	0.1	0.2	<0.1	33	0.28	0.118	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 7 of 9 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003751.1

Method	Analyte	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
BM11-JC 118	Soil	8	0.17	141	0.049	2	1.07	0.011	0.07	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 119	Soil	8	0.20	138	0.079	1	1.17	0.010	0.07	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 120	Soil	9	0.20	163	0.056	1	1.23	0.013	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 121	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.
BM11-JC 122	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.
BM11-JC 123	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.
BM11-MP 01	Soil	11	0.21	138	0.061	2	1.62	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 02	Soil	8	0.16	95	0.055	<1	1.16	0.012	0.07	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 03	Soil	12	0.24	132	0.051	1	1.26	0.014	0.08	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 04	Soil	9	0.18	138	0.056	2	1.10	0.017	0.07	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 05	Soil	11	0.22	115	0.058	1	1.33	0.015	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 06	Soil	11	0.22	142	0.059	2	1.24	0.015	0.09	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 07	Soil	11	0.21	180	0.053	<1	1.32	0.020	0.07	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 08	Soil	7	0.11	205	0.050	1	1.06	0.012	0.05	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 09	Soil	9	0.18	157	0.050	2	1.31	0.012	0.08	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 10	Soil	7	0.13	135	0.054	2	1.03	0.011	0.07	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 11	Soil	8	0.18	99	0.054	<1	1.06	0.012	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 12	Soil	8	0.16	111	0.045	1	0.95	0.011	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 13	Soil	11	0.28	77	0.072	2	1.12	0.029	0.09	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 14	Soil	10	0.19	121	0.071	1	1.10	0.013	0.09	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 15	Soil	9	0.21	127	0.074	1	2.11	0.015	0.11	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 16	Soil	20	0.61	201	0.033	2	3.62	0.019	0.15	<0.1	0.09	11.3	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 17	Soil	9	0.19	145	0.049	1	1.24	0.014	0.07	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 18	Soil	8	0.18	170	0.064	2	1.20	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 19	Soil	10	0.19	106	0.063	<1	1.31	0.016	0.07	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 20	Soil	8	0.21	83	0.067	1	1.11	0.017	0.06	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 21	Soil	9	0.18	99	0.074	2	1.12	0.017	0.06	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 22	Soil	5	0.12	110	0.058	2	0.93	0.017	0.08	<0.1	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 23	Soil	9	0.19	76	0.047	1	0.98	0.010	0.07	<0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 24	Soil	9	0.18	82	0.046	<1	1.08	0.014	0.08	<0.1	0.03	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-MP 25	Soil	0.3	7.1	7.6	123	0.1	4.3	3.6	1145	1.12	4.3	1.3	0.8	30	0.2	0.1	<0.1	24	0.51	0.182	4
BM11-MP 26	Soil	0.5	9.7	5.3	75	0.1	6.2	4.1	402	1.69	2.6	1.9	0.9	20	<0.1	0.2	<0.1	39	0.22	0.084	6
BM11-MP 27	Soil	0.6	7.1	5.7	70	0.1	5.4	3.9	828	1.38	2.3	0.6	0.9	20	0.1	0.1	<0.1	31	0.27	0.150	5
BM11-MP 28	Soil	0.5	8.1	5.0	63	0.2	6.3	4.2	371	1.57	2.2	2.8	0.9	21	<0.1	0.2	<0.1	35	0.21	0.114	5
BM11-MP 29	Soil	0.6	9.7	6.2	62	0.1	6.7	4.2	845	1.61	2.5	<0.5	0.9	23	<0.1	0.2	<0.1	43	0.23	0.097	5
BM11-MP 30	Soil	0.7	11.1	6.3	66	<0.1	7.4	5.1	824	1.93	3.4	4.1	1.2	21	<0.1	0.2	<0.1	48	0.22	0.091	6
BM11-MP 31	Soil	0.7	10.7	6.1	73	0.2	8.8	5.4	698	1.85	2.5	1.6	1.0	18	0.1	0.2	<0.1	48	0.19	0.097	5
BM11-MP 32	Soil	0.6	11.7	6.2	61	<0.1	8.1	5.7	510	2.11	3.0	0.8	1.0	24	0.1	0.2	<0.1	51	0.21	0.064	5
BM11-MP 33	Soil	0.4	6.3	5.8	69	<0.1	7.4	4.6	585	1.60	1.4	1.1	1.0	19	<0.1	0.1	<0.1	39	0.20	0.063	4
BM11-MP 34	Soil	0.5	8.0	5.2	60	<0.1	6.9	4.1	477	1.57	1.8	<0.5	0.8	27	<0.1	0.2	<0.1	40	0.31	0.063	4
BM11-MP 35	Soil	0.6	6.0	5.0	87	<0.1	5.1	3.4	807	1.29	1.7	<0.5	0.6	22	0.2	0.1	<0.1	32	0.25	0.066	4
BM11-MP 36	Soil	0.5	9.1	5.2	56	<0.1	5.6	4.6	580	1.88	2.2	2.9	1.0	33	<0.1	0.2	<0.1	49	0.28	0.038	7
BM11-MP 37	Soil	0.5	7.1	4.7	78	<0.1	6.3	3.8	470	1.57	1.9	<0.5	0.9	26	0.1	0.2	<0.1	41	0.26	0.059	5
BM11-MP 38	Soil	0.8	12.7	4.7	58	<0.1	5.4	4.9	455	1.97	3.1	2.4	0.9	45	0.2	0.3	<0.1	54	0.41	0.064	7
BM11-MP 39	Soil	0.8	15.0	4.7	41	<0.1	5.9	5.1	293	2.20	3.8	0.6	1.0	42	<0.1	0.4	<0.1	60	0.32	0.024	10
BM11-MP 40	Soil	0.6	8.0	5.3	47	<0.1	4.6	4.4	647	1.61	1.9	11.7	0.7	23	<0.1	0.2	<0.1	45	0.32	0.038	7
BM11-MP 41	Soil	0.8	5.9	5.4	61	<0.1	5.1	4.2	613	1.51	1.9	0.6	0.8	22	<0.1	0.2	<0.1	39	0.27	0.077	4
BM11-MP 42	Soil	0.8	6.9	5.5	71	<0.1	4.2	3.2	1065	1.07	2.1	0.7	0.7	14	0.2	<0.1	<0.1	24	0.18	0.138	4
BM11-MP 43	Soil	0.7	7.4	6.8	69	<0.1	5.0	4.0	777	1.55	2.3	<0.5	0.8	27	0.1	0.2	<0.1	39	0.46	0.109	5
BM11-MP 44	Soil	2.2	12.9	6.4	69	<0.1	6.9	5.5	470	1.86	3.2	<0.5	1.0	22	<0.1	0.2	0.1	48	0.26	0.046	8
BM11-MP 45	Soil	2.1	15.1	7.0	73	0.2	7.0	5.9	988	1.86	2.8	<0.5	0.6	33	0.2	0.2	<0.1	50	0.63	0.070	8
BM11-MP 46	Soil	0.6	17.6	6.1	57	0.1	8.6	5.5	529	2.04	2.1	9.9	1.1	30	0.1	0.2	<0.1	49	0.39	0.028	29
BM11-MP 47	Soil	0.9	9.5	5.8	52	<0.1	6.2	5.5	404	2.00	2.6	<0.5	0.8	31	<0.1	0.2	<0.1	55	0.33	0.057	5
BM11-MP 48	Soil	0.7	9.5	6.0	45	<0.1	6.0	5.6	344	1.96	2.5	0.6	1.0	29	<0.1	0.2	<0.1	56	0.31	0.026	7
BM11-MP 49	Soil	0.4	9.4	5.5	51	<0.1	6.1	5.0	296	1.78	2.6	0.9	0.9	38	<0.1	0.2	<0.1	51	0.29	0.058	6
BM11-MP 50	Soil	1.0	16.1	8.6	56	0.2	8.2	5.3	752	1.95	2.5	<0.5	0.9	35	0.2	0.3	<0.1	43	0.59	0.060	19
BM11-S10	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MP 51	Soil	0.9	16.3	5.7	48	<0.1	8.2	6.0	256	2.45	4.2	11.5	1.4	23	<0.1	0.4	<0.1	59	0.19	0.055	8
BM11-MP 52	Soil	0.7	8.1	5.4	48	<0.1	5.5	4.2	537	1.69	2.6	0.8	0.8	25	<0.1	0.2	<0.1	45	0.29	0.038	5
BM11-MP 53	Soil	0.6	7.6	7.2	77	<0.1	6.6	4.0	1178	1.51	2.9	1.9	0.8	28	0.2	0.2	<0.1	38	0.34	0.123	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003751.1

Method	Analyte	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	
BM11-MP 25	Soil	6	0.14	224	0.048	2	1.15	0.016	0.09	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 26	Soil	10	0.21	156	0.046	1	1.23	0.022	0.06	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 27	Soil	8	0.15	199	0.050	2	1.09	0.014	0.08	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 28	Soil	9	0.18	142	0.041	<1	1.14	0.013	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 29	Soil	11	0.19	180	0.052	2	1.26	0.015	0.06	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 30	Soil	12	0.23	160	0.060	2	1.66	0.012	0.07	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 31	Soil	13	0.21	145	0.058	2	1.44	0.012	0.07	<0.1	0.03	1.8	<0.1	<0.05	5	0.5	<0.2
BM11-MP 32	Soil	13	0.26	171	0.052	1	1.71	0.012	0.06	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 33	Soil	10	0.19	200	0.059	1	1.88	0.018	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	0.6	<0.2
BM11-MP 34	Soil	10	0.20	152	0.073	2	1.25	0.015	0.11	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 35	Soil	8	0.14	181	0.052	1	1.05	0.012	0.07	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 36	Soil	11	0.21	147	0.087	<1	1.08	0.012	0.12	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 37	Soil	10	0.17	144	0.063	1	1.06	0.011	0.10	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 38	Soil	10	0.22	137	0.073	3	0.85	0.011	0.10	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 39	Soil	12	0.27	101	0.082	<1	0.95	0.016	0.08	<0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 40	Soil	10	0.19	82	0.074	1	0.95	0.013	0.08	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 41	Soil	9	0.15	139	0.061	<1	1.09	0.014	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	0.6	<0.2
BM11-MP 42	Soil	7	0.10	172	0.046	2	0.97	0.013	0.10	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 43	Soil	9	0.17	166	0.050	2	1.13	0.013	0.10	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 44	Soil	12	0.22	107	0.042	2	1.56	0.014	0.07	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 45	Soil	14	0.27	132	0.045	3	1.39	0.013	0.09	<0.1	0.06	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 46	Soil	14	0.27	109	0.071	1	1.45	0.016	0.08	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 47	Soil	12	0.23	81	0.106	2	1.11	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 48	Soil	11	0.25	71	0.098	2	1.31	0.014	0.08	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 49	Soil	10	0.21	119	0.093	<1	1.18	0.014	0.08	<0.1	<0.01	2.3	<0.1	<0.05	4	0.5	<0.2
BM11-MP 50	Soil	13	0.27	140	0.052	1	1.44	0.011	0.11	<0.1	0.07	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11-S10	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MP 51	Soil	15	0.34	140	0.064	1	1.31	0.010	0.07	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 52	Soil	10	0.18	125	0.052	1	0.88	0.010	0.09	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 53	Soil	9	0.15	253	0.053	<1	1.12	0.011	0.07	<0.1	0.04	1.4	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 9 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003751.1

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		
				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
BM11-MP 54	Soil			0.7	9.8	8.2	75	0.1	7.2	4.4	1015	1.62	2.9	<0.5	0.7	33	0.1	0.3	<0.1	42	0.41	0.072	5
BM11-MP 55	Soil			0.6	9.2	7.1	61	0.1	6.0	4.4	900	1.52	2.5	<0.5	0.6	25	0.1	0.2	<0.1	41	0.36	0.049	8
BM11-MP 56	Soil			0.5	6.9	5.3	42	<0.1	4.6	3.6	300	1.36	1.4	2.4	0.7	16	<0.1	0.2	<0.1	38	0.18	0.033	6
BM11-MP 57	Soil			0.6	4.7	4.9	41	<0.1	3.4	2.5	586	0.96	0.8	1.0	0.4	21	0.1	0.1	<0.1	26	0.25	0.028	6
BM11-MP 58	Soil			0.6	8.8	4.9	41	<0.1	6.5	4.3	341	1.70	1.8	<0.5	0.8	24	<0.1	0.2	<0.1	43	0.23	0.056	6
BM11-MP 59	Soil			0.7	8.9	5.1	42	<0.1	6.7	4.2	255	1.76	2.7	1.1	0.7	22	<0.1	0.3	<0.1	48	0.21	0.041	5
BM11-MP 60	Soil			0.5	9.5	5.3	38	<0.1	5.7	4.2	627	1.50	1.6	3.7	0.5	32	<0.1	0.2	<0.1	41	0.32	0.024	17
BM11-MP 61	Soil			0.5	8.4	6.2	57	<0.1	6.0	4.3	468	1.59	2.1	<0.5	0.9	21	0.1	0.2	<0.1	41	0.29	0.086	6
BM11-MP 62	Soil			0.7	12.8	5.9	55	<0.1	7.8	5.7	415	2.15	3.0	3.2	1.2	25	<0.1	0.3	<0.1	57	0.30	0.075	7
BM11-MP 63	Soil			0.5	7.0	5.2	56	<0.1	5.2	3.7	345	1.42	2.0	<0.5	0.7	22	0.1	0.1	<0.1	36	0.27	0.081	4
BM11-MP 64	Soil			0.5	7.4	4.7	37	0.2	5.6	3.8	511	1.22	0.8	<0.5	0.5	28	<0.1	0.2	<0.1	33	0.31	0.021	10
BM11-MP 65	Soil			0.7	10.4	6.6	55	<0.1	7.8	5.6	461	2.03	2.1	1.3	1.1	18	<0.1	0.2	<0.1	55	0.18	0.044	6
BM11-MP 66	Soil			0.6	8.0	8.3	63	<0.1	6.8	4.7	1022	1.68	1.7	<0.5	1.1	32	0.1	0.2	0.1	44	0.30	0.073	6
BM11-MP 67	Soil			0.6	11.2	6.5	76	0.1	7.6	5.1	577	1.79	2.3	1.5	1.3	40	<0.1	0.2	0.1	47	0.28	0.088	9
BM11-MP 68	Soil			0.7	12.3	7.3	60	0.1	7.4	6.3	1063	1.97	3.2	1.4	1.0	51	0.1	0.2	0.1	51	0.36	0.083	8
BM11-MP 69	Soil			0.5	10.0	8.2	56	<0.1	6.3	4.5	1023	1.45	1.9	<0.5	1.0	22	0.1	0.1	0.1	33	0.25	0.119	6
BM11-MP 70	Soil			0.6	7.8	5.7	48	<0.1	6.3	4.1	670	1.44	1.5	<0.5	0.8	20	<0.1	0.1	<0.1	35	0.18	0.057	5
BM11-MP 71	Soil			0.4	7.1	5.1	54	<0.1	6.2	4.1	752	1.48	1.7	1.6	0.8	20	<0.1	0.2	<0.1	38	0.18	0.040	4
BM11-MP 72	Soil			0.6	14.0	5.9	51	<0.1	9.0	5.9	320	2.06	3.2	<0.5	1.1	23	<0.1	0.2	<0.1	50	0.18	0.059	7
BM11-MP 73	Soil			0.6	6.0	5.8	49	<0.1	5.6	3.8	802	1.29	2.1	1.2	0.7	21	<0.1	0.1	<0.1	30	0.20	0.049	4
BM11-MP 73D	Soil			0.6	6.9	5.8	48	<0.1	5.8	3.8	796	1.32	1.8	32.4	0.7	22	<0.1	0.1	<0.1	31	0.21	0.050	4
BM11-MP 74	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 15, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003751.1

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	
BM11-MP 54	Soil	10	0.18	215	0.055	1	1.11	0.011	0.08	<0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 55	Soil	10	0.17	181	0.051	2	1.10	0.012	0.06	<0.1	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 56	Soil	9	0.16	103	0.057	<1	0.98	0.012	0.08	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 57	Soil	7	0.10	105	0.043	<1	0.62	0.012	0.05	<0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 58	Soil	11	0.20	111	0.053	<1	1.08	0.010	0.05	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 59	Soil	11	0.20	135	0.059	1	1.05	0.010	0.09	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 60	Soil	10	0.20	119	0.064	<1	1.13	0.015	0.07	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 61	Soil	10	0.19	128	0.068	1	1.24	0.013	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 62	Soil	14	0.27	121	0.092	2	1.32	0.011	0.10	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 63	Soil	9	0.15	120	0.047	1	0.98	0.011	0.07	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 64	Soil	9	0.16	109	0.048	1	0.85	0.010	0.07	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 65	Soil	12	0.24	119	0.060	2	2.08	0.009	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	0.5	<0.2
BM11-MP 66	Soil	10	0.19	130	0.081	2	1.74	0.012	0.08	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 67	Soil	11	0.24	133	0.096	<1	1.81	0.013	0.08	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 68	Soil	12	0.28	160	0.085	<1	1.56	0.012	0.08	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 69	Soil	7	0.17	165	0.077	2	1.73	0.015	0.06	<0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 70	Soil	9	0.17	169	0.051	<1	1.37	0.011	0.08	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 71	Soil	6	0.18	136	0.065	1	1.27	0.009	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 72	Soil	14	0.29	97	0.050	<1	2.36	0.009	0.07	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 73	Soil	8	0.15	162	0.053	<1	1.19	0.010	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 73D	Soil	8	0.16	159	0.051	<1	1.17	0.010	0.07	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 74	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 15, 2011

**Page:** 1 of 2 **Part** 1

# QUALITY CONTROL REPORT

VAN11003751.1

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	
Pulp Duplicates																					
BM11-RP 02	Soil	0.6	16.0	5.9	56	<0.1	11.5	7.7	454	2.27	4.0	<0.5	0.9	29	0.1	0.2	<0.1	57	0.36	0.077	5
REP BM11-RP 02	QC	0.5	15.6	5.8	54	<0.1	10.8	7.7	451	2.32	3.9	<0.5	0.9	29	0.1	0.2	<0.1	57	0.38	0.077	5
BM11-RP 22	Soil	0.4	5.6	4.9	41	<0.1	3.6	3.7	272	1.28	1.5	4.8	0.5	31	<0.1	0.1	0.1	34	0.27	0.030	5
REP BM11-RP 22	QC	0.4	5.6	4.8	41	<0.1	4.0	3.6	284	1.28	1.8	0.8	0.4	31	<0.1	0.1	<0.1	34	0.27	0.029	5
BM11-RP 30	Soil	0.6	8.3	5.0	36	<0.1	6.3	4.6	174	1.70	2.0	0.7	0.7	19	<0.1	0.2	<0.1	45	0.16	0.027	5
REP BM11-RP 30	QC	0.5	8.5	4.8	36	<0.1	5.8	4.7	172	1.73	1.8	<0.5	0.7	18	<0.1	0.2	<0.1	45	0.15	0.028	5
BM11-JC 05	Soil	0.7	12.8	5.9	64	0.1	7.9	5.3	347	2.06	2.8	4.1	1.1	26	<0.1	0.3	0.1	52	0.27	0.060	6
REP BM11-JC 05	QC	0.7	12.9	5.9	62	<0.1	8.0	5.4	348	2.08	3.1	2.1	1.0	26	<0.1	0.3	<0.1	52	0.28	0.061	6
BM11-JC 31	Soil	0.5	8.9	5.4	44	<0.1	7.3	5.1	348	2.02	2.8	3.7	0.8	27	<0.1	0.3	<0.1	51	0.25	0.045	5
REP BM11-JC 31	QC	0.6	9.2	5.7	45	<0.1	7.4	5.5	366	2.07	3.3	2.3	0.8	28	<0.1	0.2	<0.1	51	0.27	0.048	5
BM11-JC 39	Soil	0.5	9.1	6.5	62	<0.1	7.2	5.1	359	1.85	2.8	3.1	0.8	36	0.1	0.2	0.1	45	0.25	0.088	5
REP BM11-JC 39	QC	0.6	9.3	5.9	60	0.1	7.8	5.0	364	1.85	2.8	<0.5	0.8	37	0.1	0.2	0.1	47	0.26	0.092	5
BM11-JC 50	Soil	0.6	8.1	5.6	63	<0.1	6.7	5.9	769	1.69	2.9	1.7	0.7	25	<0.1	0.2	<0.1	45	0.21	0.097	4
REP BM11-JC 50	QC	0.6	7.9	5.4	63	<0.1	6.5	5.6	769	1.65	3.2	<0.5	0.8	25	<0.1	0.2	<0.1	44	0.22	0.100	4
BM11-JC 61	Soil	0.5	15.2	5.6	41	<0.1	8.2	7.0	306	2.40	4.7	7.6	1.3	65	<0.1	0.3	<0.1	70	0.42	0.049	9
REP BM11-JC 61	QC	0.6	14.3	5.4	40	<0.1	8.0	7.1	301	2.37	4.5	3.9	1.3	64	<0.1	0.3	<0.1	68	0.41	0.048	9
BM11-JC 78	Soil	0.5	11.6	6.1	71	<0.1	9.9	5.9	339	2.05	2.3	3.9	1.0	34	0.1	0.2	0.1	51	0.29	0.121	6
REP BM11-JC 78	QC	0.5	11.8	6.2	71	<0.1	9.9	6.2	336	2.03	2.3	1.1	1.0	34	0.1	0.2	0.1	51	0.29	0.125	6
BM11-JC 97	Soil	0.5	10.7	6.2	73	<0.1	7.2	5.2	681	1.72	2.0	0.9	1.0	30	0.1	0.2	<0.1	42	0.20	0.072	5
REP BM11-JC 97	QC	0.5	10.3	5.9	71	<0.1	7.1	4.9	686	1.71	2.3	3.0	1.0	29	0.1	0.2	0.1	41	0.19	0.071	5
BM11-JC 109	Soil	0.6	9.5	6.8	54	<0.1	7.4	4.9	492	1.74	1.6	2.2	0.8	20	<0.1	0.2	<0.1	40	0.20	0.038	7
REP BM11-JC 109	QC	0.6	9.2	6.6	54	<0.1	7.3	5.1	519	1.74	1.8	<0.5	0.8	20	<0.1	0.2	<0.1	41	0.19	0.041	7
BM11-MP 08	Soil	0.5	4.7	5.1	82	0.1	4.5	3.5	1115	1.14	2.3	2.0	0.8	13	0.1	0.1	<0.1	24	0.17	0.182	3
REP BM11-MP 08	QC	0.5	4.9	5.4	86	0.1	5.1	3.9	1159	1.18	2.1	33.4	0.8	14	0.1	0.1	<0.1	25	0.18	0.190	3
BM11-MP 13	Soil	0.6	14.1	4.7	40	0.1	5.8	5.0	486	1.74	2.9	0.8	0.8	36	<0.1	0.2	<0.1	41	0.34	0.022	17
REP BM11-MP 13	QC	0.5	14.6	4.7	40	0.1	6.2	5.2	494	1.73	3.0	<0.5	0.9	36	0.1	0.3	<0.1	43	0.34	0.023	18
BM11-MP 34	Soil	0.5	8.0	5.2	60	<0.1	6.9	4.1	477	1.57	1.8	<0.5	0.8	27	<0.1	0.2	<0.1	40	0.31	0.063	4
REP BM11-MP 34	QC	0.5	8.0	5.4	63	<0.1	6.9	4.0	471	1.58	1.7	3.0	0.8	27	0.1	0.2	<0.1	40	0.32	0.067	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.





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 15, 2011

**Page:** 1 of 2 **Part** 2

QUALITY CONTROL REPORT

VAN11003751.1

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																	
BM11-RP 02	Soil	13	0.41	103	0.094	1	2.38	0.011	0.09	<0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
REP BM11-RP 02	QC	13	0.40	100	0.093	1	2.31	0.012	0.08	<0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11-RP 22	Soil	8	0.16	81	0.068	2	0.75	0.015	0.05	<0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
REP BM11-RP 22	QC	8	0.16	82	0.066	2	0.75	0.012	0.05	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
BM11-RP 30	Soil	11	0.20	107	0.059	<1	0.97	0.010	0.06	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11-RP 30	QC	11	0.19	101	0.060	<1	0.95	0.010	0.06	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 05	Soil	13	0.27	149	0.084	2	1.33	0.012	0.08	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JC 05	QC	13	0.25	142	0.083	1	1.28	0.013	0.08	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 31	Soil	12	0.22	122	0.061	1	1.11	0.011	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JC 31	QC	13	0.23	126	0.061	1	1.20	0.011	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 39	Soil	11	0.21	122	0.088	2	1.30	0.014	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 39	QC	11	0.21	117	0.089	2	1.34	0.014	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	0.7	<0.2
BM11-JC 50	Soil	9	0.19	121	0.064	<1	1.33	0.010	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 50	QC	9	0.19	123	0.063	<1	1.32	0.010	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 61	Soil	16	0.38	121	0.121	1	1.26	0.016	0.11	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JC 61	QC	15	0.37	123	0.119	1	1.21	0.020	0.11	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 78	Soil	14	0.31	148	0.096	2	1.66	0.016	0.08	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 78	QC	15	0.30	144	0.101	2	1.60	0.015	0.08	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 97	Soil	10	0.23	188	0.067	<1	1.63	0.016	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 97	QC	10	0.23	177	0.066	1	1.66	0.019	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 109	Soil	10	0.26	122	0.050	1	1.57	0.011	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 109	QC	10	0.25	119	0.049	<1	1.55	0.012	0.05	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 08	Soil	7	0.11	205	0.050	1	1.06	0.012	0.05	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MP 08	QC	7	0.11	212	0.055	2	1.11	0.014	0.05	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 13	Soil	11	0.28	77	0.072	2	1.12	0.029	0.09	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MP 13	QC	12	0.29	84	0.074	1	1.13	0.022	0.09	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 34	Soil	10	0.20	152	0.073	2	1.25	0.015	0.11	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MP 34	QC	10	0.21	154	0.074	2	1.24	0.014	0.11	<0.1	0.02	1.7	<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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 15, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003751.1

		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
BM11-MP 59	Soil	0.7	8.9	5.1	42	<0.1	6.7	4.2	255	1.76	2.7	1.1	0.7	22	<0.1	0.3	<0.1	48	0.21	0.041	5
REP BM11-MP 59	QC	0.6	9.3	4.9	43	<0.1	6.5	4.3	253	1.77	2.8	<0.5	0.7	23	<0.1	0.3	<0.1	48	0.23	0.044	5
BM11-MP 67	Soil	0.6	11.2	6.5	76	0.1	7.6	5.1	577	1.79	2.3	1.5	1.3	40	<0.1	0.2	0.1	47	0.28	0.088	9
REP BM11-MP 67	QC	0.5	10.9	6.1	74	0.1	7.0	5.0	548	1.77	2.2	<0.5	1.1	37	0.1	0.2	<0.1	44	0.27	0.083	9
Reference Materials																					
STD DS8	Standard	13.2	115.1	137.0	307	1.8	40.3	7.8	630	2.53	25.5	106.4	6.7	61	2.4	5.2	6.7	42	0.70	0.083	14
STD DS8	Standard	13.6	108.5	118.1	317	1.8	38.4	7.3	611	2.44	25.2	120.1	6.2	67	2.4	5.7	6.4	44	0.72	0.079	14
STD DS8	Standard	13.5	110.0	121.2	297	1.7	38.7	7.5	597	2.36	24.4	111.3	7.0	68	2.3	5.6	6.3	43	0.70	0.074	18
STD DS8	Standard	13.3	107.9	116.0	298	1.9	37.5	7.2	600	2.40	23.3	105.9	6.7	61	2.2	5.3	6.1	42	0.64	0.075	15
STD DS8	Standard	13.5	103.7	124.3	301	1.7	38.5	7.8	614	2.42	25.1	109.3	6.8	63	2.3	5.4	6.0	44	0.72	0.079	17
STD DS8	Standard	11.0	101.0	112.8	290	1.6	33.3	6.6	556	2.20	23.3	98.9	5.8	56	1.9	5.4	6.4	43	0.61	0.071	13
STD DS8	Standard	11.3	95.5	115.9	273	1.7	33.0	6.7	531	2.14	21.1	99.8	6.0	63	2.0	5.1	6.2	36	0.63	0.074	13
STD DS8	Standard	14.3	113.2	128.1	311	1.8	39.9	7.6	624	2.58	25.0	145.1	6.9	72	2.4	5.2	6.5	43	0.74	0.079	18
STD DS8	Standard	13.0	106.8	127.6	308	1.8	37.9	7.5	611	2.45	24.6	106.6	6.4	66	2.3	5.8	6.8	42	0.68	0.081	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
Report Date: October 15, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003751.1

		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
BM11-MP 59	Soil	11	0.20	135	0.059	1	1.05	0.010	0.09	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MP 59	QC	11	0.22	136	0.060	<1	1.05	0.011	0.09	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 67	Soil	11	0.24	133	0.096	<1	1.81	0.013	0.08	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
REP BM11-MP 67	QC	10	0.23	128	0.093	<1	1.67	0.012	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	123	0.64	278	0.110	2	0.94	0.087	0.42	3.0	0.21	2.3	5.6	0.19	4	5.1	5.3
STD DS8	Standard	118	0.61	286	0.117	2	0.94	0.089	0.45	3.1	0.23	2.5	5.4	0.15	5	5.3	5.0
STD DS8	Standard	117	0.61	279	0.123	3	0.92	0.096	0.40	3.0	0.20	2.5	5.3	0.14	5	5.2	4.6
STD DS8	Standard	115	0.59	255	0.117	2	0.85	0.085	0.40	2.9	0.19	2.0	5.0	0.12	4	4.7	4.6
STD DS8	Standard	119	0.62	288	0.120	2	0.95	0.090	0.41	3.1	0.20	2.1	5.5	0.19	5	5.2	4.9
STD DS8	Standard	104	0.53	248	0.099	1	0.81	0.083	0.37	2.9	0.16	2.2	4.8	0.13	4	5.6	4.1
STD DS8	Standard	102	0.54	254	0.097	2	0.86	0.099	0.42	2.7	0.18	2.4	5.0	0.15	4	5.1	4.2
STD DS8	Standard	119	0.60	283	0.129	3	0.93	0.093	0.42	2.9	0.22	2.4	5.4	0.14	5	5.4	4.7
STD DS8	Standard	117	0.64	275	0.115	3	0.92	0.100	0.42	3.1	0.23	2.3	5.4	0.15	5	5.4	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 08, 2011
Report Date: October 11, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN11003752.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #1
P.O. Number
Number of Samples: 179

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include: Dry at 60C (168), SS80 (165), 1DX2 (166) with 1:1:1 Aqua Regia digestion ICP-MS analysis.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 01	Soil		0.6	7.9	5.2	38	<0.1	5.0	4.1	359	1.53	3.1	3.3	0.6	20	<0.1	0.2	<0.1	37	0.16	0.046	4
BM11-MK 02	Soil		0.8	13.6	6.5	80	<0.1	8.8	7.6	845	2.21	3.3	1.6	1.2	77	0.1	0.2	<0.1	56	0.30	0.106	6
BM11-MK 03	Soil		0.5	8.6	5.2	48	<0.1	5.9	4.8	518	1.71	2.7	<0.5	0.7	18	<0.1	0.2	<0.1	41	0.14	0.069	4
BM11-MK 04	Soil		0.5	6.8	5.6	41	<0.1	5.9	4.4	455	1.40	2.1	<0.5	0.8	16	<0.1	0.2	<0.1	35	0.14	0.054	4
BM11-MK 05	Soil		0.4	9.0	5.8	52	0.1	6.8	4.4	463	1.43	2.6	<0.5	0.9	18	0.1	0.2	0.1	32	0.13	0.095	5
BM11-MK 06	Soil		0.5	7.4	5.8	52	<0.1	6.1	4.4	449	1.54	2.8	1.3	0.9	17	<0.1	0.2	0.1	35	0.17	0.126	4
BM11-MK 07	Soil		0.6	5.8	5.6	56	<0.1	4.8	3.7	426	1.42	1.7	3.0	0.8	21	<0.1	0.2	<0.1	33	0.18	0.094	4
BM11-MK 08	Soil		0.4	6.6	6.6	51	<0.1	5.0	4.0	481	1.46	2.0	0.7	0.8	34	<0.1	0.2	<0.1	33	0.35	0.102	5
BM11-MK 09	Soil		0.6	10.4	5.3	44	<0.1	6.2	4.4	269	1.70	3.3	3.1	1.0	19	<0.1	0.3	<0.1	41	0.16	0.083	5
BM11-MK 10	Soil		0.8	12.4	5.4	48	<0.1	7.4	5.8	296	2.14	3.3	1.6	1.0	38	<0.1	0.3	<0.1	57	0.26	0.064	6
BM11-MK 11	Soil		0.5	10.4	5.2	39	<0.1	5.7	4.4	287	1.75	2.2	1.5	0.9	42	<0.1	0.3	<0.1	46	0.30	0.022	8
BM11-MK 12	Soil		0.6	7.7	4.5	41	<0.1	5.0	4.1	259	1.49	2.0	<0.5	0.7	36	<0.1	0.2	<0.1	39	0.29	0.038	6
BM11-MK 13	Soil		0.8	8.1	5.9	48	<0.1	4.3	3.4	484	1.16	1.5	<0.5	0.6	44	0.2	0.2	<0.1	30	0.50	0.023	5
BM11-MK 14	Soil		0.6	57.0	8.6	55	0.4	20.6	10.1	824	3.11	5.1	0.8	2.1	77	0.2	0.3	0.2	54	0.82	0.037	50
BM11-MK 15	Soil		0.3	10.5	4.9	38	<0.1	6.4	4.2	215	1.46	1.7	1.5	1.0	30	<0.1	0.2	<0.1	35	0.23	0.017	8
BM11-MK 16	Soil		0.6	32.8	7.7	56	0.2	12.6	7.5	478	2.27	3.9	1.5	2.3	64	0.2	0.3	0.1	42	0.58	0.048	22
BM11-MK 17	Soil		0.7	9.2	6.2	63	<0.1	6.1	6.1	311	1.77	3.0	12.8	0.7	26	<0.1	0.3	<0.1	43	0.24	0.075	5
BM11-MK 18	Soil		0.4	11.7	4.6	40	<0.1	6.8	4.5	244	1.79	2.6	1.0	1.3	35	<0.1	0.4	<0.1	46	0.26	0.018	7
BM11-MK 19	Soil		0.3	9.2	4.6	33	<0.1	4.5	3.5	207	1.40	1.6	2.4	0.8	41	<0.1	0.2	<0.1	37	0.26	0.014	10
BM11-MK 20	Soil		0.4	9.7	4.4	39	<0.1	5.1	3.9	355	1.50	1.6	<0.5	0.8	47	<0.1	0.2	<0.1	39	0.33	0.019	11
BM11-MK 21	Soil		0.5	9.2	4.8	43	<0.1	5.3	4.2	145	1.52	2.1	0.5	0.8	26	<0.1	0.2	<0.1	36	0.16	0.060	6
BM11-MK 22	Soil		0.6	7.4	5.5	51	<0.1	5.6	4.4	256	1.47	2.4	<0.5	0.9	32	<0.1	0.2	<0.1	35	0.30	0.104	5
BM11-MK 23	Soil		0.6	11.8	6.9	61	<0.1	6.3	4.5	487	1.64	2.2	1.5	1.0	42	0.2	0.2	<0.1	40	0.35	0.042	9
BM11-MK 24	Soil		0.6	8.6	5.4	48	<0.1	5.4	4.3	299	1.50	2.0	1.2	0.7	31	<0.1	0.2	<0.1	40	0.20	0.037	5
BM11-MK 25	Soil		0.7	10.4	6.0	58	<0.1	7.3	4.6	570	1.56	2.0	<0.5	0.7	20	<0.1	0.2	<0.1	36	0.14	0.034	7
BM11-MK 26	Soil		0.7	10.5	6.1	62	<0.1	8.0	5.6	399	1.67	2.4	<0.5	1.0	18	<0.1	0.1	<0.1	36	0.16	0.074	4
BM11-MK 27	Soil		0.7	10.4	6.3	61	<0.1	7.4	5.4	597	1.61	2.5	<0.5	0.9	22	0.1	0.2	<0.1	37	0.16	0.068	6
BM11-MK 28	Soil		0.5	11.9	6.3	45	<0.1	6.5	4.3	222	1.46	1.6	3.2	0.8	26	<0.1	0.1	<0.1	35	0.21	0.027	14
BM11-MK 29	Soil		0.5	55.1	7.9	62	0.3	16.5	7.7	445	2.50	2.7	1.3	2.2	76	0.2	0.3	0.1	44	0.81	0.041	80
BM11-MK 30	Soil		0.5	10.0	6.5	63	<0.1	6.8	5.1	403	1.80	2.4	0.6	1.0	35	<0.1	0.2	0.1	41	0.31	0.090	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 2 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-MK 01	Soil			9	0.19	101	0.037	<1	0.86	0.010	0.05	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 02	Soil			11	0.37	114	0.135	<1	2.07	0.018	0.08	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 03	Soil			10	0.22	92	0.059	<1	1.08	0.012	0.05	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 04	Soil			9	0.17	100	0.041	<1	1.04	0.015	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 05	Soil			9	0.20	128	0.040	<1	1.29	0.014	0.04	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 06	Soil			9	0.20	111	0.042	<1	1.19	0.012	0.05	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 07	Soil			8	0.15	120	0.043	<1	1.00	0.012	0.05	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 08	Soil			8	0.24	121	0.055	<1	1.29	0.016	0.07	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 09	Soil			11	0.25	108	0.052	<1	1.17	0.013	0.05	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 10	Soil			14	0.33	107	0.072	<1	1.04	0.013	0.07	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 11	Soil			12	0.26	101	0.076	<1	0.90	0.014	0.06	<0.1	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 12	Soil			10	0.23	92	0.061	2	0.84	0.013	0.06	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 13	Soil			8	0.17	116	0.051	2	0.67	0.011	0.07	<0.1	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 14	Soil			27	0.62	224	0.036	1	3.58	0.020	0.11	<0.1	0.05	13.0	<0.1	<0.05	9	0.5	<0.2
BM11-MK 15	Soil			11	0.27	87	0.056	1	1.03	0.018	0.06	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 16	Soil			17	0.41	155	0.032	<1	2.13	0.013	0.18	<0.1	0.04	8.9	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 17	Soil			11	0.23	117	0.055	<1	0.96	0.014	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 18	Soil			12	0.33	81	0.100	1	0.89	0.016	0.06	<0.1	0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 19	Soil			9	0.23	81	0.084	<1	0.83	0.016	0.06	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 20	Soil			10	0.24	92	0.092	<1	0.95	0.020	0.06	<0.1	0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 21	Soil			9	0.22	88	0.049	<1	0.98	0.012	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 22	Soil			9	0.22	111	0.054	1	0.94	0.015	0.08	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 23	Soil			11	0.27	128	0.064	<1	0.88	0.012	0.09	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 24	Soil			11	0.25	92	0.071	<1	0.90	0.014	0.05	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 25	Soil			10	0.23	96	0.055	<1	1.20	0.013	0.04	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 26	Soil			10	0.24	117	0.053	<1	1.56	0.013	0.06	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 27	Soil			10	0.21	123	0.052	<1	1.33	0.014	0.05	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 28	Soil			10	0.25	81	0.046	<1	1.07	0.015	0.04	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 29	Soil			20	0.54	199	0.047	<1	2.44	0.020	0.11	<0.1	0.05	10.8	<0.1	<0.05	7	1.3	<0.2
BM11-MK 30	Soil			11	0.29	135	0.058	1	1.14	0.013	0.08	<0.1	0.02	2.3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 31	Soil		0.7	9.2	6.1	58	<0.1	6.5	5.0	566	1.62	2.9	1.1	0.9	31	<0.1	0.2	0.1	35	0.24	0.082	5
BM11-MK 32	Soil		0.5	9.2	6.1	49	<0.1	6.4	4.6	458	1.71	2.1	1.3	0.9	30	<0.1	0.2	<0.1	41	0.26	0.037	5
BM11-MK 33	Soil		0.6	7.5	5.2	44	<0.1	5.3	3.8	376	1.49	1.8	<0.5	0.7	28	<0.1	0.2	<0.1	35	0.24	0.034	4
BM11-MK 34	Soil		0.5	7.7	5.8	60	<0.1	5.2	4.1	681	1.38	1.6	0.7	0.7	24	<0.1	0.1	0.1	33	0.26	0.050	4
BM11-MK 35	Soil		0.4	11.2	5.7	47	<0.1	6.1	4.1	548	1.43	1.3	1.1	0.9	34	<0.1	0.2	<0.1	34	0.32	0.025	17
BM11-MK 36	Soil		0.6	7.4	5.9	62	<0.1	6.4	4.3	410	1.49	1.6	2.4	0.9	24	<0.1	0.2	<0.1	34	0.24	0.044	4
BM11-MK 37	Soil		0.6	6.1	6.5	61	<0.1	6.5	3.9	337	1.34	2.1	<0.5	0.8	23	<0.1	0.2	0.1	31	0.20	0.073	4
BM11-MK 38	Soil		0.6	9.0	6.2	56	<0.1	7.3	5.0	455	1.70	2.5	6.9	0.9	21	0.1	0.2	0.1	41	0.19	0.058	4
BM11-MK 39	Soil		0.5	8.3	5.8	33	<0.1	5.1	3.7	231	1.30	1.4	2.5	0.9	25	<0.1	0.2	<0.1	31	0.22	0.026	9
BM11-MK 40	Soil		0.9	27.8	7.6	68	<0.1	13.0	8.0	372	2.55	4.1	<0.5	1.9	29	0.1	0.4	0.1	56	0.24	0.089	9
BM11-MK 41	Soil		0.6	12.5	6.5	43	<0.1	6.3	4.5	542	1.42	1.6	<0.5	0.9	36	<0.1	0.1	<0.1	32	0.28	0.029	14
BM11-MK 42	Soil		0.5	19.3	7.7	41	0.1	9.3	4.3	330	1.69	3.0	<0.5	1.5	41	<0.1	0.1	0.1	36	0.34	0.040	16
BM11-MK 43	Soil		0.9	9.5	6.6	59	<0.1	7.0	5.1	430	1.91	2.2	1.0	0.9	20	<0.1	0.2	<0.1	45	0.16	0.036	5
BM11-MK 44	Soil		0.7	7.2	6.1	46	<0.1	5.5	4.0	292	1.50	2.1	<0.5	0.9	18	<0.1	0.2	<0.1	33	0.15	0.109	4
BM11-MK 45	Soil		0.6	8.6	6.1	18	<0.1	4.5	3.4	120	1.05	0.9	<0.5	0.8	25	<0.1	0.1	<0.1	24	0.19	0.010	15
BM11-MK 46	Soil		0.5	13.0	6.2	61	<0.1	7.3	5.5	681	1.92	2.4	<0.5	1.1	35	<0.1	0.3	<0.1	47	0.26	0.036	6
BM11-MK 47	Soil		0.6	8.6	6.8	54	<0.1	6.9	5.2	658	1.59	1.7	<0.5	0.9	24	<0.1	0.2	0.1	38	0.18	0.042	4
BM11-MK 48	Soil		0.6	19.8	6.2	53	<0.1	11.0	7.0	315	2.46	3.5	1.1	1.4	40	<0.1	0.4	<0.1	63	0.32	0.043	7
BM11-MK 49	Soil		0.5	9.1	6.7	49	<0.1	7.3	5.3	481	1.67	1.6	<0.5	1.0	25	<0.1	0.2	0.1	39	0.17	0.046	4
BM11-MK 50	Soil		0.6	11.9	6.6	71	0.2	8.1	4.7	292	1.73	3.0	<0.5	1.1	28	0.1	0.2	0.1	39	0.25	0.122	6
BM11-S01	Rock Pulp		14.0	57.6	16.5	16	0.1	14.2	2.2	110	3.16	390.0	161.6	0.8	38	0.3	28.4	0.2	8	0.83	0.005	2
BM11-MK 51	Soil		0.7	32.0	6.5	48	<0.1	35.9	11.8	439	3.02	5.2	0.9	2.1	72	<0.1	0.4	<0.1	69	0.69	0.067	20
BM11-MK 52	Soil		0.6	9.4	6.1	110	<0.1	6.8	4.7	980	1.56	1.9	1.2	1.0	25	0.1	0.2	<0.1	33	0.25	0.104	7
BM11-MK 53	Soil		4.5	43.8	9.1	39	0.4	13.9	9.3	1253	2.47	6.9	6.8	1.9	59	0.2	0.4	0.1	52	0.71	0.037	44
BM11-MK 54	Soil		0.8	16.8	5.7	68	<0.1	7.7	6.5	457	2.06	3.4	<0.5	1.1	34	<0.1	0.2	<0.1	50	0.23	0.118	5
BM11-MK 55	Soil		0.5	11.6	6.0	62	<0.1	7.5	5.9	557	1.85	2.8	2.3	1.0	37	<0.1	0.2	<0.1	44	0.30	0.104	6
BM11-MK 56	Soil		1.0	20.9	7.6	59	0.3	6.7	7.0	1032	1.99	3.7	<0.5	0.8	76	0.3	0.2	0.1	53	0.70	0.051	12
BM11-MK 57	Soil		0.5	10.7	4.7	42	<0.1	6.4	4.6	394	1.57	2.2	<0.5	0.8	37	<0.1	0.2	<0.1	40	0.38	0.034	10
BM11-MK 58	Soil		0.4	4.4	5.9	56	<0.1	4.0	2.7	287	1.00	2.8	<0.5	0.8	22	0.1	<0.1	0.1	21	0.22	0.168	2
BM11-MK 59	Soil		0.5	7.4	5.6	57	<0.1	6.5	4.2	414	1.52	1.9	<0.5	0.7	35	0.1	0.1	0.1	35	0.27	0.047	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 3 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

Method	Analyte	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
BM11-MK 31	Soil	10	0.25	133	0.043	<1	1.26	0.014	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 32	Soil	11	0.28	107	0.070	<1	1.09	0.014	0.08	<0.1	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 33	Soil	9	0.22	100	0.065	<1	0.88	0.013	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 34	Soil	8	0.24	111	0.049	<1	0.84	0.012	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 35	Soil	11	0.26	92	0.073	<1	1.01	0.016	0.07	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 36	Soil	9	0.22	83	0.065	<1	1.16	0.016	0.07	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 37	Soil	9	0.20	94	0.054	<1	1.17	0.016	0.07	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 38	Soil	11	0.25	108	0.059	1	1.20	0.016	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 39	Soil	10	0.24	79	0.044	<1	0.94	0.017	0.04	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 40	Soil	19	0.48	136	0.077	1	1.92	0.015	0.08	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 41	Soil	11	0.28	107	0.048	<1	1.17	0.021	0.05	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 42	Soil	15	0.35	130	0.054	<1	1.92	0.021	0.05	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 43	Soil	12	0.31	88	0.040	1	1.39	0.013	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 44	Soil	10	0.16	74	0.050	<1	1.26	0.016	0.04	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 45	Soil	9	0.21	44	0.043	<1	0.98	0.017	0.03	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 46	Soil	14	0.33	106	0.066	<1	1.37	0.013	0.08	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 47	Soil	11	0.25	105	0.068	<1	1.49	0.015	0.05	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 48	Soil	18	0.46	112	0.119	1	1.39	0.020	0.09	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 49	Soil	12	0.27	98	0.069	<1	1.57	0.015	0.05	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 50	Soil	12	0.31	109	0.061	1	1.39	0.018	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-S01	Rock Pulp	21	0.02	2120	0.011	2	0.15	0.008	0.05	2.8	2.50	0.6	9.1	0.14	<1	1.6	<0.2
BM11-MK 51	Soil	29	1.02	127	0.138	1	2.17	0.040	0.07	<0.1	0.04	7.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 52	Soil	11	0.23	152	0.059	1	1.36	0.016	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 53	Soil	19	0.49	139	0.069	1	1.86	0.024	0.08	<0.1	0.09	9.4	<0.1	<0.05	6	0.9	<0.2
BM11-MK 54	Soil	14	0.32	128	0.061	1	1.34	0.014	0.05	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 55	Soil	13	0.31	87	0.073	1	1.46	0.016	0.08	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 56	Soil	11	0.37	87	0.158	3	1.75	0.019	0.07	<0.1	0.05	4.5	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 57	Soil	13	0.30	81	0.068	1	1.08	0.019	0.06	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 58	Soil	6	0.12	109	0.066	<1	0.99	0.023	0.05	<0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 59	Soil	10	0.25	156	0.061	1	1.30	0.017	0.10	<0.1	<0.01	2.0	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 4 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 60	Soil		0.6	14.8	6.5	55	<0.1	7.7	5.9	521	2.08	3.4	<0.5	1.2	35	0.1	0.3	<0.1	50	0.26	0.055	5
BM11-MK 61	Soil		0.7	11.4	6.1	75	<0.1	6.3	4.6	422	1.78	3.1	<0.5	1.0	36	0.1	0.2	<0.1	39	0.26	0.091	5
BM11-MK 62	Soil		0.6	10.3	5.8	69	<0.1	6.0	5.3	356	1.72	2.6	<0.5	0.9	30	<0.1	0.2	<0.1	40	0.23	0.066	6
BM11-MK 63	Soil		0.5	7.5	5.6	49	<0.1	4.9	4.2	371	1.63	1.9	1.1	0.8	28	<0.1	0.2	<0.1	40	0.22	0.025	7
BM11-MK 64	Soil		0.6	8.2	6.1	51	<0.1	6.3	5.2	305	1.62	2.0	<0.5	0.9	33	<0.1	0.1	<0.1	41	0.28	0.025	6
BM11-MK 65	Soil		0.6	11.3	6.1	65	<0.1	7.0	6.3	1130	1.76	4.3	<0.5	1.1	42	<0.1	0.1	<0.1	40	0.24	0.098	5
BM11-MK 66	Soil		0.4	8.2	5.3	42	<0.1	6.4	4.7	250	1.60	2.2	<0.5	0.9	29	<0.1	0.2	<0.1	41	0.22	0.025	6
BM11-MK 67	Soil		0.5	9.7	7.2	80	0.1	7.6	5.7	883	1.83	7.1	<0.5	1.0	37	0.1	0.2	0.1	37	0.37	0.126	6
BM11-MK 68	Soil		0.6	6.2	6.8	73	0.1	5.4	3.8	558	1.27	1.6	<0.5	0.9	25	0.1	0.1	0.1	29	0.23	0.109	4
BM11-MK 69	Soil		0.8	16.7	5.4	59	0.1	11.4	7.0	390	2.08	2.8	0.6	1.2	25	<0.1	0.1	0.1	48	0.14	0.052	6
BM11-MK 70	Soil		0.6	10.9	6.5	82	<0.1	8.7	5.7	614	1.74	3.0	<0.5	1.1	33	0.1	0.2	0.1	38	0.24	0.081	5
BM11-MK 71	Soil		0.7	7.6	5.2	36	<0.1	4.7	4.6	273	1.59	2.1	<0.5	0.6	24	<0.1	0.2	<0.1	38	0.24	0.022	4
BM11-MK 72	Soil		0.5	8.3	6.8	68	<0.1	8.0	4.3	471	1.53	2.3	<0.5	0.8	18	0.1	0.1	0.1	34	0.23	0.114	4
BM11-MK 73	Soil		0.8	12.0	6.4	51	<0.1	7.3	5.5	600	1.96	2.4	0.6	0.7	23	0.1	0.2	<0.1	45	0.24	0.068	5
BM11-MK 74	Soil		1.1	9.9	6.3	40	<0.1	6.4	5.5	640	1.77	2.1	2.0	0.9	26	<0.1	0.1	<0.1	40	0.34	0.026	9
BM11-MK 75	Soil		0.8	9.4	7.4	102	<0.1	6.5	5.2	612	1.74	2.3	1.4	0.9	38	0.3	0.1	0.1	37	0.46	0.249	4
BM11-MK 76	Soil		0.8	11.1	6.7	78	0.1	7.3	5.7	473	1.92	2.5	0.9	1.0	29	0.2	0.2	0.1	42	0.32	0.200	5
BM11-MK 77	Soil		0.7	75.6	8.8	73	0.5	23.7	11.5	1078	3.68	6.8	3.0	2.0	86	0.2	0.4	0.1	59	0.98	0.060	51
BM11-MK 78	Soil		0.8	13.6	5.8	49	<0.1	7.0	6.8	376	2.17	4.5	1.2	1.0	92	<0.1	0.3	<0.1	59	0.39	0.042	6
BM11-MK 79	Soil		0.5	12.3	5.5	43	<0.1	8.2	5.0	386	1.76	2.0	2.1	0.7	32	<0.1	0.2	<0.1	44	0.29	0.034	7
BM11-MK 80	Soil		0.7	17.5	6.0	60	<0.1	11.0	6.7	608	2.28	5.7	<0.5	1.3	60	0.1	0.2	<0.1	58	0.37	0.079	8
BM11-MK 81	Soil		0.7	14.9	6.0	63	0.1	9.0	6.0	525	2.16	4.2	0.6	1.1	42	<0.1	0.2	<0.1	59	0.34	0.087	6
BM11-MK 82	Soil		0.6	14.7	6.2	60	0.1	8.6	5.6	272	2.09	3.0	14.5	1.2	27	0.1	0.2	0.1	49	0.26	0.071	6
BM11-MK 83	Soil		0.5	14.4	6.3	68	<0.1	9.0	6.5	436	2.11	3.1	2.2	1.2	25	<0.1	0.2	<0.1	46	0.24	0.129	5
BM11-MK 84	Soil		0.8	12.8	6.2	51	<0.1	8.1	5.3	334	2.23	3.7	<0.5	1.1	27	<0.1	0.3	<0.1	53	0.25	0.047	5
BM11-MK 85	Soil		0.5	6.3	6.2	69	<0.1	5.7	3.6	669	1.35	1.9	<0.5	0.8	20	0.1	0.1	<0.1	32	0.18	0.083	4
BM11-MK 86	Soil		0.5	7.9	5.5	61	0.3	5.8	3.7	420	1.54	2.2	<0.5	0.8	20	<0.1	0.2	<0.1	36	0.27	0.101	4
BM11-MK 87	Soil		0.4	7.6	5.1	45	0.1	5.7	3.7	294	1.59	2.6	0.8	0.6	22	0.1	0.2	<0.1	38	0.22	0.069	4
BM11-MK 88	Soil		0.7	11.2	5.3	69	0.2	8.6	4.6	366	1.71	2.1	1.0	1.0	27	<0.1	0.2	<0.1	40	0.26	0.092	6
BM11-MK 89	Soil		0.8	15.6	5.4	59	<0.1	8.1	5.7	398	1.94	3.0	<0.5	1.0	41	<0.1	0.2	<0.1	48	0.30	0.047	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 4 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-MK 60	Soil			13	0.36	135	0.067	1	1.61	0.013	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 61	Soil			11	0.29	144	0.068	1	1.35	0.015	0.09	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 62	Soil			11	0.27	84	0.071	<1	1.27	0.016	0.05	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 63	Soil			10	0.24	59	0.066	<1	1.04	0.017	0.05	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 64	Soil			10	0.26	71	0.059	<1	1.38	0.018	0.05	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 65	Soil			11	0.30	120	0.090	<1	1.96	0.016	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 66	Soil			11	0.24	67	0.073	<1	1.03	0.021	0.05	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 67	Soil			9	0.30	112	0.115	1	2.25	0.018	0.08	<0.1	0.04	2.8	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 68	Soil			9	0.17	116	0.062	<1	1.09	0.018	0.05	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 69	Soil			13	0.33	86	0.092	1	2.60	0.019	0.06	<0.1	0.03	3.1	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 70	Soil			12	0.33	123	0.087	<1	1.94	0.016	0.07	<0.1	0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 71	Soil			10	0.23	65	0.033	<1	1.03	0.014	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 72	Soil			10	0.23	131	0.056	<1	1.33	0.014	0.08	<0.1	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 73	Soil			12	0.27	134	0.051	1	1.23	0.012	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 74	Soil			11	0.27	115	0.032	1	1.12	0.014	0.12	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 75	Soil			11	0.23	189	0.053	1	1.25	0.013	0.08	<0.1	0.10	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 76	Soil			12	0.24	142	0.059	1	1.36	0.014	0.07	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 77	Soil			30	0.85	211	0.044	<1	4.24	0.023	0.14	<0.1	0.08	13.6	<0.1	<0.05	11	0.7	<0.2
BM11-MK 78	Soil			13	0.36	128	0.109	<1	1.13	0.016	0.08	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 79	Soil			13	0.30	90	0.073	<1	1.10	0.015	0.06	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 80	Soil			15	0.39	136	0.096	<1	1.59	0.014	0.10	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 81	Soil			14	0.34	123	0.093	1	1.37	0.013	0.09	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 82	Soil			13	0.32	117	0.082	1	1.59	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 83	Soil			13	0.34	128	0.077	<1	1.92	0.011	0.10	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 84	Soil			13	0.33	155	0.075	<1	1.34	0.013	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 85	Soil			7	0.16	147	0.054	<1	1.04	0.015	0.06	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 86	Soil			9	0.20	121	0.063	1	1.12	0.015	0.08	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 87	Soil			9	0.20	118	0.056	<1	1.03	0.014	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 88	Soil			11	0.24	124	0.066	<1	1.21	0.015	0.07	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 89	Soil			14	0.31	133	0.071	<1	1.17	0.015	0.08	<0.1	0.03	2.7	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 90	Soil		0.6	45.2	8.7	79	0.4	17.2	9.6	1036	2.88	4.3	2.1	1.7	54	0.2	0.3	0.1	53	0.66	0.042	34
BM11-MK 91	Soil		0.6	59.9	7.6	49	0.7	19.6	8.1	793	2.61	4.7	2.4	1.2	80	0.6	0.4	0.1	44	1.57	0.052	62
BM11-MK 92	Soil		0.6	12.4	6.1	62	0.1	8.3	6.1	398	1.96	2.7	1.2	0.8	32	0.1	0.1	<0.1	43	0.34	0.125	5
BM11-MK 93	Soil		0.6	7.8	5.7	58	<0.1	5.9	4.6	459	1.57	2.3	<0.5	0.8	17	0.1	0.1	0.1	35	0.17	0.131	4
BM11-MK 94	Soil		0.8	7.8	6.4	56	<0.1	5.4	4.6	862	1.61	1.4	<0.5	0.7	32	0.2	0.1	<0.1	39	0.35	0.032	7
BM11-MK 95	Soil		0.5	7.5	6.4	53	<0.1	6.5	5.1	514	1.69	2.6	0.8	0.8	28	<0.1	0.2	<0.1	40	0.23	0.035	4
BM11-MK 96	Soil		0.3	8.1	6.6	49	0.1	5.4	4.5	568	1.47	2.6	2.0	0.9	27	0.1	<0.1	<0.1	30	0.34	0.097	6
BM11-MK 97	Soil		0.5	8.1	6.0	58	<0.1	7.4	4.5	352	1.52	1.4	<0.5	0.9	18	0.1	0.1	<0.1	34	0.18	0.050	4
BM11-MK 98	Soil		0.6	7.7	6.6	62	0.2	6.9	4.7	552	1.88	3.1	83.4	0.8	15	<0.1	0.1	<0.1	42	0.17	0.083	4
BM11-MK 99	Soil		0.4	7.6	6.3	69	<0.1	7.5	4.0	709	1.56	1.9	<0.5	0.8	19	0.1	0.1	<0.1	35	0.20	0.102	3
BM11-MK 100	Soil		0.5	5.3	5.5	48	<0.1	5.6	4.2	482	1.47	1.8	<0.5	0.7	19	<0.1	0.1	<0.1	34	0.15	0.070	3
BM11-S05	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 101	Soil		0.4	5.7	6.1	63	<0.1	6.6	4.4	547	1.47	1.6	7.8	0.8	21	<0.1	0.1	<0.1	35	0.22	0.090	4
BM11-MK 102	Soil		0.6	54.9	11.6	76	0.5	19.6	8.8	799	3.11	6.8	2.2	2.6	44	0.2	0.2	0.2	52	0.70	0.041	44
BM11-MK 103	Soil		0.5	11.1	5.7	81	0.1	8.8	5.8	274	1.98	2.3	2.3	1.0	27	<0.1	0.2	<0.1	47	0.26	0.082	5
BM11-MK 104	Soil		0.7	10.6	5.4	61	0.2	8.0	5.2	325	1.84	2.4	1.0	0.8	27	<0.1	0.2	<0.1	45	0.23	0.059	4
BM11-MK 105	Soil		0.6	7.9	6.3	64	0.1	7.5	4.3	284	1.63	2.9	0.9	0.9	27	0.1	0.1	0.1	35	0.26	0.118	4
BM11-MK 106	Soil		0.7	15.7	5.9	61	<0.1	9.2	6.3	281	2.08	3.2	1.9	1.2	31	<0.1	0.2	<0.1	47	0.24	0.076	7
BM11-MK 107	Soil		0.7	58.8	7.5	49	0.6	20.1	9.9	898	3.22	5.5	1.8	1.3	67	0.4	0.4	0.2	56	1.24	0.047	50
BM11-MK 108	Soil		0.8	21.5	5.6	58	0.1	8.6	6.4	467	2.14	2.0	<0.5	1.0	34	0.2	0.2	<0.1	53	0.45	0.025	25
BM11-MK 109	Soil		1.2	25.8	5.0	51	<0.1	9.4	6.5	364	2.77	5.9	2.9	1.4	48	<0.1	0.4	<0.1	65	0.42	0.038	12
BM11-MK 110	Soil		0.8	16.2	5.5	76	0.1	10.8	6.4	299	2.41	3.0	<0.5	1.1	23	<0.1	0.2	0.1	54	0.26	0.091	6
BM11-MK 111	Soil		0.9	13.4	5.7	65	<0.1	8.7	5.9	420	1.89	2.8	<0.5	0.9	19	<0.1	0.2	<0.1	40	0.30	0.094	6
BM11-MK 112	Soil		0.8	14.2	5.2	61	<0.1	7.2	5.9	527	2.04	2.4	1.8	0.8	26	0.1	0.2	<0.1	49	0.42	0.036	10
BM11-MK 113	Soil		0.8	14.4	5.3	59	0.1	8.2	5.3	399	1.99	3.1	1.1	1.0	32	0.1	0.2	<0.1	44	0.43	0.057	9
BM11-MK 114	Soil		0.9	21.3	7.2	49	0.1	10.3	7.9	336	2.41	6.6	7.2	1.8	69	<0.1	0.4	0.1	61	0.76	0.063	16
BM11-MK 115	Soil		0.5	8.4	5.3	62	<0.1	5.5	4.3	496	1.73	2.2	<0.5	0.8	25	0.2	0.2	<0.1	41	0.28	0.051	5
BM11-MK 116	Soil		0.8	16.5	5.0	55	<0.1	7.9	5.7	300	2.25	3.8	73.0	1.2	38	0.1	0.3	<0.1	56	0.30	0.045	6
BM11-MK 117	Soil		0.5	6.2	4.1	65	<0.1	4.3	3.2	499	1.48	1.4	66.1	0.7	49	0.1	0.2	<0.1	37	0.29	0.028	4
BM11-MK 118	Soil		0.5	8.7	5.7	64	<0.1	6.0	4.6	744	1.90	2.1	<0.5	1.1	52	0.2	0.2	<0.1	44	0.33	0.034	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 5 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

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
BM11-MK 90	Soil	23	0.55	168	0.062	<1	2.64	0.022	0.10	<0.1	0.07	7.9	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 91	Soil	22	0.59	174	0.026	1	2.98	0.020	0.08	<0.1	0.13	8.8	<0.1	<0.05	8	1.0	<0.2
BM11-MK 92	Soil	12	0.33	156	0.062	<1	1.53	0.014	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 93	Soil	9	0.20	99	0.069	1	1.29	0.015	0.04	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 94	Soil	9	0.23	123	0.061	<1	1.03	0.013	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 95	Soil	9	0.26	91	0.070	<1	1.54	0.016	0.07	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 96	Soil	7	0.21	110	0.059	1	1.65	0.016	0.12	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 97	Soil	8	0.25	104	0.057	<1	1.59	0.014	0.05	<0.1	0.02	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 98	Soil	10	0.23	130	0.053	<1	1.68	0.012	0.05	<0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 99	Soil	8	0.21	129	0.062	<1	1.45	0.012	0.06	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 100	Soil	8	0.19	107	0.065	<1	0.98	0.015	0.05	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-S05	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 101	Soil	9	0.19	120	0.060	<1	1.15	0.011	0.06	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 102	Soil	22	0.60	251	0.071	<1	3.44	0.026	0.11	<0.1	0.07	10.1	<0.1	<0.05	9	0.6	<0.2
BM11-MK 103	Soil	11	0.29	128	0.073	<1	1.42	0.014	0.08	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 104	Soil	11	0.28	109	0.064	<1	1.19	0.012	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 105	Soil	9	0.25	121	0.049	<1	1.23	0.013	0.07	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 106	Soil	13	0.34	122	0.071	<1	1.45	0.014	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 107	Soil	26	0.69	195	0.035	1	3.67	0.021	0.11	<0.1	0.08	9.1	<0.1	<0.05	10	0.8	<0.2
BM11-MK 108	Soil	15	0.33	110	0.068	1	1.35	0.016	0.05	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 109	Soil	16	0.46	110	0.088	<1	1.28	0.017	0.08	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 110	Soil	15	0.39	137	0.067	1	1.75	0.013	0.09	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 111	Soil	12	0.23	131	0.052	<1	1.63	0.013	0.08	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 112	Soil	13	0.27	108	0.060	2	1.36	0.016	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 113	Soil	12	0.29	111	0.078	1	1.46	0.013	0.09	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 114	Soil	18	0.49	122	0.073	<1	1.62	0.027	0.08	<0.1	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 115	Soil	10	0.19	141	0.067	<1	1.15	0.011	0.08	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 116	Soil	13	0.36	142	0.093	1	1.36	0.011	0.11	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 117	Soil	9	0.17	141	0.094	<1	1.13	0.013	0.11	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 118	Soil	10	0.24	142	0.112	1	1.38	0.011	0.16	<0.1	0.01	3.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1
BM11-MK 119	Soil		0.7	37.5	12.3	107	0.3	13.8	9.8	2447	2.94	8.1	<0.5	1.3	83	0.6	0.3	0.1	53	0.84	0.106	48
BM11-MK 120	Soil		0.5	8.4	5.0	63	<0.1	5.9	4.1	623	1.66	1.8	<0.5	0.7	30	0.1	0.2	<0.1	41	0.25	0.038	4
BM11-MK 121	Soil		0.5	6.9	5.3	78	<0.1	6.1	4.4	849	1.55	1.5	<0.5	0.7	27	0.1	0.2	<0.1	39	0.24	0.045	5
BM11-MK 122	Soil		0.5	8.9	5.8	68	<0.1	7.0	4.7	804	1.62	1.9	0.5	0.8	30	<0.1	0.1	<0.1	39	0.26	0.051	4
BM11-MK 123	Soil		0.5	5.7	5.3	65	<0.1	5.6	3.2	548	1.32	1.3	<0.5	0.7	18	0.1	0.1	<0.1	32	0.17	0.037	4
BM11-MK 124	Soil		0.6	9.3	5.6	85	<0.1	7.0	4.5	1054	1.63	1.9	<0.5	0.8	30	0.2	0.2	<0.1	38	0.33	0.082	5
BM11-MK 125	Soil		0.5	8.7	5.9	66	<0.1	6.7	4.2	648	1.53	2.2	<0.5	0.8	22	0.1	0.2	<0.1	36	0.23	0.098	4
BM11-MK 126	Soil		0.5	6.9	6.3	61	<0.1	6.6	4.1	531	1.47	1.8	2.7	0.8	21	0.1	0.1	<0.1	33	0.22	0.057	4
BM11-MK 127	Soil		0.5	12.5	5.9	54	<0.1	7.2	4.4	471	1.65	1.3	1.2	0.8	24	0.1	0.2	<0.1	40	0.28	0.021	20
BM11-MK 128	Soil		0.6	9.5	6.7	65	<0.1	6.8	5.0	996	1.60	2.1	0.6	0.9	21	0.2	0.2	<0.1	37	0.23	0.074	5
BM11-MK 129	Soil		0.6	8.4	5.7	68	<0.1	6.0	4.5	944	1.60	1.7	<0.5	0.8	25	0.1	0.2	<0.1	39	0.28	0.056	5
BM11-MK 130	Soil		0.5	9.6	6.2	78	<0.1	7.0	4.7	607	1.71	2.2	<0.5	0.8	22	0.1	0.2	<0.1	39	0.20	0.091	6
BM11-MK 131	Soil		0.5	7.2	7.9	83	<0.1	6.6	4.4	809	1.51	2.8	<0.5	0.7	17	0.1	0.1	<0.1	28	0.25	0.095	7
BM11-MK 132	Soil		0.5	10.3	5.3	69	<0.1	6.2	5.0	545	1.65	2.4	1.5	0.8	25	0.2	0.2	<0.1	38	0.43	0.080	7
BM11-MK 133	Soil		0.9	11.4	5.7	102	<0.1	8.8	5.5	770	1.92	1.8	<0.5	0.9	35	<0.1	0.2	<0.1	48	0.32	0.065	6
BM11-MK 134	Soil		0.4	7.9	4.8	65	<0.1	6.5	3.8	565	1.57	1.5	49.9	0.7	37	0.2	0.1	<0.1	40	0.32	0.034	4
BM11-MK 135	Soil		0.6	5.6	4.9	75	<0.1	5.1	3.7	813	1.33	1.4	<0.5	0.6	24	<0.1	0.1	<0.1	31	0.24	0.041	4
BM11-MK 136	Soil		0.7	9.0	5.4	57	<0.1	6.6	4.4	412	1.66	1.6	0.7	0.7	26	<0.1	0.2	<0.1	40	0.24	0.031	6
BM11-MK 137	Soil		0.8	13.0	5.4	56	<0.1	7.9	5.5	339	2.19	2.4	5.7	1.1	30	0.1	0.2	<0.1	53	0.24	0.045	5
BM11-MK 138	Soil		0.6	8.8	5.6	52	<0.1	5.9	4.4	563	1.74	1.6	<0.5	0.9	24	0.1	0.2	<0.1	42	0.21	0.031	5
BM11-MK 139	Soil		0.7	12.7	5.8	54	<0.1	6.5	5.3	505	2.14	3.5	5.1	1.0	42	0.2	0.3	<0.1	58	0.31	0.050	6
BM11-MK 140	Soil		1.1	9.2	5.7	58	<0.1	5.6	4.8	600	1.55	1.8	1.2	0.8	34	0.1	0.2	<0.1	37	0.35	0.034	8
BM11-MK 141	Soil		0.7	7.2	5.6	28	<0.1	4.5	4.3	287	1.33	2.3	1.9	0.9	27	<0.1	0.2	<0.1	32	0.26	0.024	9
BM11-MK 142	Soil		0.8	12.1	6.3	67	0.2	7.9	5.4	396	1.95	3.4	1.7	0.9	22	<0.1	0.2	<0.1	43	0.23	0.127	7
BM11-MK 143	Soil		0.6	7.0	5.5	59	<0.1	6.4	4.2	563	1.62	2.2	4.9	0.8	23	0.1	0.3	0.1	44	0.22	0.055	5
BM11-MK 144	Soil		0.5	8.7	5.9	73	<0.1	6.4	4.5	730	1.53	2.1	0.6	0.9	22	0.1	0.2	<0.1	37	0.19	0.098	5
BM11-MK 145	Soil		0.7	7.3	5.4	53	<0.1	5.1	4.4	413	1.59	2.1	<0.5	0.8	22	<0.1	0.2	<0.1	42	0.20	0.054	5
BM11-MK 146	Soil		0.4	4.3	5.6	47	<0.1	3.8	2.9	334	1.16	1.2	<0.5	0.6	23	<0.1	0.2	<0.1	33	0.23	0.038	4
BM11-MK 147	Soil		0.5	7.0	5.3	43	<0.1	4.4	3.5	298	1.37	2.0	2.1	0.8	28	<0.1	0.2	<0.1	39	0.20	0.033	7
BM11-MK 148	Soil		0.4	5.0	5.2	45	<0.1	3.6	3.0	341	1.13	0.9	3.0	0.6	17	<0.1	0.2	<0.1	34	0.14	0.027	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 6 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-MK 119	Soil			17	0.48	292	0.069	<1	3.96	0.011	0.18	0.1	0.07	10.0	<0.1	<0.05	11	<0.5	<0.2
BM11-MK 120	Soil			11	0.20	149	0.073	<1	1.18	0.010	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 121	Soil			10	0.18	167	0.068	<1	1.40	0.014	0.10	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 122	Soil			10	0.21	155	0.071	<1	1.50	0.012	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 123	Soil			8	0.15	124	0.055	<1	1.18	0.011	0.05	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 124	Soil			10	0.18	194	0.060	1	1.34	0.014	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 125	Soil			9	0.18	151	0.045	<1	1.25	0.011	0.07	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 126	Soil			8	0.17	117	0.049	<1	1.37	0.012	0.06	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 127	Soil			11	0.26	109	0.056	<1	1.26	0.016	0.06	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 128	Soil			10	0.21	155	0.046	<1	1.50	0.012	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 129	Soil			9	0.20	121	0.067	<1	1.43	0.013	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 130	Soil			10	0.21	145	0.056	<1	1.53	0.012	0.06	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 131	Soil			7	0.24	155	0.071	1	2.08	0.014	0.08	<0.1	0.02	1.9	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 132	Soil			10	0.20	143	0.057	<1	1.11	0.012	0.10	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 133	Soil			13	0.27	176	0.075	<1	1.43	0.012	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 134	Soil			11	0.19	161	0.079	<1	1.20	0.012	0.09	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 135	Soil			8	0.16	146	0.056	<1	1.11	0.013	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 136	Soil			11	0.22	123	0.068	<1	1.18	0.015	0.09	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 137	Soil			14	0.29	148	0.099	<1	1.33	0.010	0.11	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 138	Soil			10	0.20	148	0.064	<1	1.21	0.010	0.08	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 139	Soil			11	0.25	157	0.120	<1	1.33	0.012	0.08	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 140	Soil			9	0.19	137	0.067	<1	1.18	0.014	0.12	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 141	Soil			8	0.20	74	0.054	<1	1.05	0.015	0.07	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 142	Soil			12	0.23	130	0.057	<1	1.68	0.012	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 143	Soil			10	0.19	124	0.052	2	1.02	0.010	0.10	<0.1	<0.01	1.8	<0.1	0.06	4	<0.5	<0.2
BM11-MK 144	Soil			9	0.18	154	0.052	1	1.34	0.013	0.09	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 145	Soil			8	0.18	107	0.050	<1	1.11	0.010	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 146	Soil			7	0.13	86	0.051	<1	0.89	0.013	0.06	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 147	Soil			8	0.16	124	0.074	1	0.98	0.013	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 148	Soil			8	0.13	73	0.058	1	0.80	0.013	0.05	<0.1	<0.01	1.4	<0.1	<0.05	3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 149	Soil	0.4	4.6	5.0	41	<0.1	3.1	3.0	407	1.05	0.9	8.3	0.5	15	<0.1	0.1	<0.1	30	0.13	0.040	6
BM11-MK 150	Soil	0.7	8.9	6.0	56	<0.1	7.4	5.5	614	1.95	3.8	6.4	0.8	27	0.1	0.3	<0.1	50	0.29	0.097	6
BM11-S07	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 151	Soil	0.6	7.4	6.3	64	<0.1	6.9	4.8	643	1.72	2.9	1.1	0.6	29	0.2	0.3	<0.1	45	0.37	0.087	5
BM11-MK 152	Soil	0.6	7.5	5.9	56	0.2	6.0	4.7	432	1.73	2.5	1.0	0.6	22	<0.1	0.2	<0.1	45	0.26	0.077	5
BM11-MK 153	Soil	0.8	12.2	6.4	47	0.2	7.6	5.1	562	1.83	1.5	<0.5	0.9	28	<0.1	0.2	<0.1	48	0.38	0.019	19
BM11-MK 154	Soil	0.9	10.0	6.1	55	<0.1	6.6	5.4	331	2.02	3.1	1.6	0.8	22	0.1	0.3	<0.1	53	0.23	0.058	6
BM11-MK 155	Soil	0.9	7.4	6.4	54	<0.1	5.5	4.8	307	1.79	2.6	2.6	0.8	21	<0.1	0.2	<0.1	48	0.26	0.071	5
BM11-MK 156	Soil	0.5	6.5	5.0	30	<0.1	4.3	3.4	127	1.48	1.6	1.5	0.6	18	<0.1	0.2	<0.1	41	0.20	0.043	4
BM11-MK 157	Soil	0.5	7.6	5.0	30	<0.1	5.1	3.5	147	1.48	1.3	1.5	0.7	26	<0.1	0.2	<0.1	41	0.25	0.018	6
BM11-MK 158	Soil	0.5	16.5	6.4	43	<0.1	8.1	7.7	415	2.46	5.7	1.8	1.5	90	<0.1	0.3	<0.1	74	0.56	0.046	10
BM11-MK 159	Soil	0.8	17.9	7.2	48	<0.1	8.9	7.8	737	2.20	4.5	2.6	1.3	57	<0.1	0.3	<0.1	61	0.48	0.051	12
BM11-MK 160	Soil	0.6	12.8	6.0	65	<0.1	8.0	7.2	493	2.41	4.0	2.7	1.0	59	<0.1	0.3	<0.1	70	0.36	0.062	6
BM11-MK 161	Soil	0.5	9.2	5.4	65	<0.1	8.0	6.0	272	1.80	2.5	7.7	0.8	26	<0.1	0.2	<0.1	49	0.19	0.078	4
BM11-MK 162	Soil	0.6	9.0	5.1	46	<0.1	6.5	5.5	346	2.01	2.0	0.5	0.8	29	<0.1	0.3	<0.1	61	0.22	0.018	5
BM11-MK 163	Soil	0.5	7.2	5.4	45	<0.1	5.1	4.4	297	1.36	1.6	1.7	0.6	19	<0.1	0.1	<0.1	36	0.18	0.036	4
BM11-MK 164	Soil	0.5	10.2	5.7	56	<0.1	7.8	5.5	324	2.05	2.4	1.4	1.0	28	<0.1	0.2	<0.1	56	0.25	0.064	5
BM11-MK 165	Soil	0.5	8.2	5.1	38	<0.1	6.0	4.6	269	1.63	1.7	2.2	0.8	26	<0.1	0.2	<0.1	47	0.22	0.018	7
BM11-MK 166	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.
BM11-MK 167	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.
BM11-MK 168	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.
BM11-MK 169	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.
BM11-MK 170	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.
BM11-MK 171	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.
BM11-MK 172	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.
BM11-MK 173	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.
BM11-MK 174	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.
BM11-MK 175	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.
BM11-MK 176	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 7 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003752.1

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	
BM11-MK 149	Soil	7	0.12	85	0.052	<1	0.78	0.011	0.05	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 150	Soil	12	0.22	190	0.059	1	1.37	0.011	0.09	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-S07	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 151	Soil	11	0.19	158	0.051	2	1.16	0.011	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 152	Soil	11	0.18	163	0.050	<1	1.21	0.012	0.08	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 153	Soil	13	0.22	148	0.063	<1	1.26	0.015	0.08	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 154	Soil	12	0.20	130	0.057	1	1.14	0.011	0.07	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 155	Soil	11	0.16	123	0.051	<1	1.00	0.010	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 156	Soil	9	0.15	85	0.050	<1	0.90	0.011	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 157	Soil	10	0.18	107	0.062	<1	1.02	0.018	0.05	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 158	Soil	16	0.44	168	0.167	2	1.56	0.036	0.12	<0.1	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 159	Soil	16	0.37	184	0.106	2	1.56	0.017	0.11	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 160	Soil	15	0.33	143	0.129	1	1.48	0.018	0.11	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 161	Soil	11	0.22	124	0.098	1	1.47	0.013	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 162	Soil	12	0.23	107	0.102	<1	0.97	0.014	0.06	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 163	Soil	9	0.17	81	0.076	<1	1.02	0.014	0.06	<0.1	<0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 164	Soil	13	0.27	126	0.102	1	1.37	0.017	0.09	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 165	Soil	11	0.20	86	0.092	<1	0.95	0.013	0.07	<0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 166	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.
BM11-MK 167	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.
BM11-MK 168	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.
BM11-MK 169	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.
BM11-MK 170	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.
BM11-MK 171	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.
BM11-MK 172	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.
BM11-MK 173	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.
BM11-MK 174	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.
BM11-MK 175	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.
BM11-MK 176	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.





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 11, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11003752.1

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																					
BM11-MK 02	Soil	0.8	13.6	6.5	80	<0.1	8.8	7.6	845	2.21	3.3	1.6	1.2	77	0.1	0.2	<0.1	56	0.30	0.106	6
REP BM11-MK 02	QC	0.7	12.6	5.6	74	<0.1	7.6	7.3	787	2.06	3.3	2.3	1.1	72	0.1	0.2	<0.1	53	0.29	0.106	6
BM11-MK 19	Soil	0.3	9.2	4.6	33	<0.1	4.5	3.5	207	1.40	1.6	2.4	0.8	41	<0.1	0.2	<0.1	37	0.26	0.014	10
REP BM11-MK 19	QC	0.3	8.9	4.5	32	<0.1	4.9	3.4	205	1.41	1.6	15.4	0.8	43	<0.1	0.3	<0.1	36	0.26	0.014	10
BM11-MK 37	Soil	0.6	6.1	6.5	61	<0.1	6.5	3.9	337	1.34	2.1	<0.5	0.8	23	<0.1	0.2	0.1	31	0.20	0.073	4
REP BM11-MK 37	QC	0.6	6.2	6.4	62	<0.1	6.6	4.0	351	1.40	2.3	<0.5	0.8	24	<0.1	0.1	0.1	32	0.22	0.077	4
BM11-MK 56	Soil	1.0	20.9	7.6	59	0.3	6.7	7.0	1032	1.99	3.7	<0.5	0.8	76	0.3	0.2	0.1	53	0.70	0.051	12
REP BM11-MK 56	QC	1.0	21.5	7.7	61	0.3	7.0	7.2	996	1.94	4.0	<0.5	0.8	77	0.4	0.2	<0.1	54	0.70	0.054	13
BM11-MK 72	Soil	0.5	8.3	6.8	68	<0.1	8.0	4.3	471	1.53	2.3	<0.5	0.8	18	0.1	0.1	0.1	34	0.23	0.114	4
REP BM11-MK 72	QC	0.6	8.1	6.7	68	<0.1	8.1	4.4	454	1.49	1.8	0.6	0.8	17	0.2	0.1	0.1	33	0.23	0.111	4
BM11-MK 92	Soil	0.6	12.4	6.1	62	0.1	8.3	6.1	398	1.96	2.7	1.2	0.8	32	0.1	0.1	<0.1	43	0.34	0.125	5
REP BM11-MK 92	QC	0.6	12.9	5.8	62	0.1	8.6	5.8	400	1.92	2.7	<0.5	0.8	32	<0.1	0.1	<0.1	42	0.35	0.136	5
BM11-MK 113	Soil	0.8	14.4	5.3	59	0.1	8.2	5.3	399	1.99	3.1	1.1	1.0	32	0.1	0.2	<0.1	44	0.43	0.057	9
REP BM11-MK 113	QC	0.8	15.2	5.5	62	0.1	8.3	5.5	418	2.05	3.3	2.1	1.0	32	0.2	0.3	<0.1	48	0.47	0.060	10
BM11-MK 136	Soil	0.7	9.0	5.4	57	<0.1	6.6	4.4	412	1.66	1.6	0.7	0.7	26	<0.1	0.2	<0.1	40	0.24	0.031	6
REP BM11-MK 136	QC	0.7	9.2	5.4	60	<0.1	6.7	4.7	436	1.72	1.5	<0.5	0.7	28	0.1	0.2	<0.1	43	0.25	0.030	6
BM11-MK 146	Soil	0.4	4.3	5.6	47	<0.1	3.8	2.9	334	1.16	1.2	<0.5	0.6	23	<0.1	0.2	<0.1	33	0.23	0.038	4
REP BM11-MK 146	QC	0.3	4.3	5.3	45	<0.1	3.7	3.0	338	1.10	1.2	1.1	0.6	22	<0.1	0.2	<0.1	31	0.23	0.038	4
BM11-MK 160	Soil	0.6	12.8	6.0	65	<0.1	8.0	7.2	493	2.41	4.0	2.7	1.0	59	<0.1	0.3	<0.1	70	0.36	0.062	6
REP BM11-MK 160	QC	0.7	12.4	5.9	64	<0.1	8.3	7.3	484	2.39	4.1	39.3	1.0	57	0.1	0.3	<0.1	70	0.34	0.062	6
Reference Materials																					
STD DS8	Standard	11.7	102.2	117.9	284	1.6	33.4	6.7	527	2.13	22.4	86.3	7.5	72	2.1	5.8	7.2	37	0.60	0.070	15
STD DS8	Standard	11.7	105.4	122.1	300	1.9	36.9	7.1	584	2.30	25.1	111.8	6.3	62	2.3	5.2	7.1	39	0.65	0.078	12
STD DS8	Standard	12.8	107.8	126.4	304	1.8	37.6	7.4	595	2.40	24.7	119.3	6.9	70	2.1	5.8	6.8	44	0.68	0.076	15
STD DS8	Standard	11.8	101.5	115.1	280	1.5	33.3	6.4	530	2.10	22.5	96.2	7.5	67	2.1	6.0	7.0	36	0.61	0.066	14
STD DS8	Standard	13.7	104.2	118.9	296	1.7	35.7	7.1	589	2.39	23.9	106.4	6.5	66	2.4	5.4	6.4	41	0.70	0.077	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 1 of 2 Part 2

# QUALITY CONTROL REPORT

VAN11003752.1

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																	
BM11-MK 02	Soil	11	0.37	114	0.135	<1	2.07	0.018	0.08	<0.1	0.01	3.9	<0.1	<0.05	7	<0.5	<0.2
REP BM11-MK 02	QC	10	0.35	109	0.136	2	2.06	0.019	0.08	<0.1	0.01	3.7	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 19	Soil	9	0.23	81	0.084	<1	0.83	0.016	0.06	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
REP BM11-MK 19	QC	9	0.24	81	0.085	<1	0.85	0.017	0.06	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 37	Soil	9	0.20	94	0.054	<1	1.17	0.016	0.07	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
REP BM11-MK 37	QC	10	0.21	97	0.057	2	1.24	0.016	0.07	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 56	Soil	11	0.37	87	0.158	3	1.75	0.019	0.07	<0.1	0.05	4.5	<0.1	<0.05	7	<0.5	<0.2
REP BM11-MK 56	QC	13	0.42	92	0.170	3	1.80	0.027	0.07	0.1	0.05	4.9	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 72	Soil	10	0.23	131	0.056	<1	1.33	0.014	0.08	<0.1	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
REP BM11-MK 72	QC	9	0.23	124	0.056	<1	1.32	0.014	0.08	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 92	Soil	12	0.33	156	0.062	<1	1.53	0.014	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
REP BM11-MK 92	QC	11	0.33	161	0.060	1	1.52	0.013	0.09	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 113	Soil	12	0.29	111	0.078	1	1.46	0.013	0.09	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
REP BM11-MK 113	QC	13	0.31	116	0.080	2	1.57	0.015	0.09	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 136	Soil	11	0.22	123	0.068	<1	1.18	0.015	0.09	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MK 136	QC	12	0.23	129	0.074	<1	1.25	0.012	0.09	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 146	Soil	7	0.13	86	0.051	<1	0.89	0.013	0.06	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MK 146	QC	7	0.12	86	0.051	1	0.84	0.012	0.06	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 160	Soil	15	0.33	143	0.129	1	1.48	0.018	0.11	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
REP BM11-MK 160	QC	15	0.32	138	0.127	1	1.43	0.016	0.11	<0.1	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	104	0.55	254	0.120	2	0.82	0.089	0.36	2.4	0.17	2.4	4.5	0.13	4	4.1	4.5
STD DS8	Standard	106	0.59	258	0.106	2	0.85	0.085	0.42	2.8	0.19	1.9	5.3	0.11	4	5.0	4.6
STD DS8	Standard	116	0.62	282	0.114	3	0.95	0.105	0.44	2.7	0.19	2.7	5.4	0.17	5	4.2	5.2
STD DS8	Standard	101	0.51	248	0.115	2	0.78	0.079	0.36	2.5	0.15	2.4	4.5	0.12	4	4.7	4.0
STD DS8	Standard	113	0.60	288	0.114	3	0.93	0.093	0.41	3.0	0.22	2.5	5.3	0.13	5	4.5	4.7
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: October 11, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003752.1

		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
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: October 11, 2011

Page: 2 of 2 Part 2

# QUALITY CONTROL REPORT

VAN11003752.1

		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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 08, 2011
Report Date: October 11, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS

VAN11003753.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #1
P.O. Number
Number of Samples: 132

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, and 1DX2.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11003753.1

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	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
BM11-JT 01	Soil		0.6	7.1	4.9	38	<0.1	4.9	4.1	428	1.34	1.7	<0.5	0.7	35	<0.1	0.1	0.1	36	0.39	0.081	5
BM11-JT 02	Soil		0.9	12.7	9.2	64	<0.1	6.8	6.3	1208	2.21	5.7	0.5	0.9	34	0.1	0.2	0.1	58	0.24	0.081	12
BM11-JT 03	Soil		0.8	8.8	5.4	54	<0.1	5.8	4.4	966	1.73	3.1	3.8	1.0	24	<0.1	0.3	<0.1	50	0.19	0.038	6
BM11-JT 04	Soil		0.6	6.0	5.1	63	<0.1	5.4	4.0	656	1.39	2.9	1.2	0.7	18	0.2	0.2	<0.1	44	0.20	0.047	5
BM11-JT 05	Soil		0.6	10.3	5.6	65	<0.1	6.0	5.0	427	1.93	3.5	<0.5	1.0	28	0.1	0.3	0.1	53	0.27	0.070	5
BM11-JT 06	Soil		0.5	6.8	5.0	63	<0.1	5.2	3.8	368	1.52	2.2	0.7	0.8	21	0.1	0.2	<0.1	46	0.18	0.037	4
BM11-JT 07	Soil		0.8	11.4	6.5	62	<0.1	7.8	5.4	688	2.02	3.2	<0.5	1.0	18	<0.1	0.2	0.1	50	0.20	0.053	6
BM11-JT 08	Soil		0.5	9.4	5.3	59	<0.1	6.9	4.2	473	1.55	2.3	1.9	1.0	22	0.2	0.2	<0.1	44	0.21	0.051	4
BM11-JT 09	Soil		0.7	10.6	6.5	68	<0.1	7.2	5.4	529	1.92	3.0	4.6	1.1	15	0.1	0.2	0.1	46	0.16	0.064	6
BM11-JT 10	Soil		0.6	9.7	5.7	67	<0.1	8.0	5.0	742	1.50	3.1	<0.5	0.9	18	0.2	0.2	<0.1	40	0.21	0.082	4
BM11-JT 11	Soil		0.8	8.4	6.8	71	0.1	7.4	4.9	795	1.48	2.9	<0.5	1.0	17	0.1	0.2	0.1	38	0.20	0.141	4
BM11-JT 12	Soil		0.5	10.2	6.7	97	<0.1	10.0	4.9	680	1.55	3.1	<0.5	1.1	22	0.1	0.2	0.1	38	0.22	0.109	5
BM11-JT 13	Soil		0.6	6.9	5.7	129	<0.1	6.1	5.1	2263	2.04	2.2	1.4	0.7	22	0.3	0.1	<0.1	46	0.29	0.044	5
BM11-JT 14	Soil		0.6	9.6	5.4	54	<0.1	6.9	5.0	410	1.71	2.6	<0.5	0.7	16	0.1	0.2	<0.1	48	0.22	0.022	3
BM11-JT 15	Soil		0.6	8.3	5.2	47	<0.1	6.7	4.7	509	1.52	1.8	<0.5	0.8	21	<0.1	0.2	<0.1	40	0.24	0.033	5
BM11-JT 16	Soil		0.4	7.7	6.0	68	<0.1	6.0	4.9	763	1.59	2.6	<0.5	1.0	25	0.2	0.1	<0.1	39	0.24	0.051	6
BM11-JT 17	Soil		0.3	9.2	5.5	73	<0.1	6.1	4.8	704	1.65	2.8	<0.5	0.8	30	0.2	0.1	<0.1	43	0.41	0.053	5
BM11-JT 18	Soil		0.6	12.5	4.7	54	<0.1	8.7	5.2	308	1.92	2.7	3.1	1.1	32	0.1	0.3	<0.1	56	0.26	0.030	5
BM11-JT 19	Soil		0.6	7.7	5.8	53	<0.1	6.8	4.8	685	1.44	2.0	<0.5	0.8	25	<0.1	0.1	<0.1	39	0.21	0.025	5
BM11-JT 20	Soil		0.5	7.0	4.8	56	<0.1	6.0	4.0	429	1.39	1.5	<0.5	0.8	33	<0.1	0.2	<0.1	40	0.24	0.033	5
BM11-JT 21	Soil		0.5	8.2	5.8	59	<0.1	7.0	4.6	517	1.62	2.6	<0.5	0.9	33	<0.1	0.2	<0.1	43	0.23	0.053	5
BM11-JT 22	Soil		0.5	9.5	4.7	52	<0.1	6.8	4.4	266	1.61	2.4	<0.5	0.8	23	<0.1	0.1	<0.1	44	0.17	0.055	5
BM11-JT 23	Soil		0.5	8.6	5.3	54	0.1	6.0	4.3	320	1.52	1.9	<0.5	0.8	23	<0.1	0.2	<0.1	40	0.22	0.064	5
BM11-JT 24	Soil		0.6	7.4	5.8	47	<0.1	6.6	4.3	373	1.55	3.2	<0.5	0.8	22	<0.1	0.2	<0.1	40	0.23	0.078	5
BM11-JT 25	Soil		0.5	23.9	6.2	43	0.2	10.9	5.6	354	2.05	3.4	1.6	1.8	42	<0.1	0.2	<0.1	44	0.45	0.030	30
BM11-JT 26	Soil		0.5	16.4	5.8	43	0.1	9.1	5.0	350	1.80	3.2	<0.5	1.2	34	<0.1	0.2	<0.1	46	0.37	0.026	17
BM11-JT 27	Soil		0.8	10.3	6.1	62	<0.1	8.1	5.2	379	1.93	4.3	2.7	1.1	27	<0.1	0.2	<0.1	49	0.26	0.103	5
BM11-JT 28	Soil		0.7	8.4	5.9	61	<0.1	6.6	5.0	702	1.61	2.6	<0.5	1.0	19	<0.1	0.2	<0.1	44	0.20	0.082	5
BM11-JT 29	Soil		0.5	8.8	5.3	44	<0.1	6.0	4.2	420	1.51	2.4	0.8	0.9	28	<0.1	0.2	<0.1	42	0.29	0.019	9
BM11-JT 30	Soil		0.4	9.8	5.6	34	<0.1	5.7	3.5	225	1.36	2.1	1.0	0.9	26	<0.1	0.2	<0.1	36	0.25	0.017	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 11, 2011

**Page:** 2 of 6 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003753.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2
BM11-JT 01	Soil	8	0.18	86	0.060	2	1.48	0.014	0.09	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 02	Soil	11	0.30	140	0.064	3	1.88	0.009	0.06	0.1	0.03	2.9	<0.1	<0.05	6	1.7	<0.2
BM11-JT 03	Soil	10	0.21	195	0.056	1	1.08	0.011	0.06	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 04	Soil	8	0.17	148	0.043	2	1.20	0.013	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	0.6	<0.2
BM11-JT 05	Soil	11	0.25	122	0.050	2	1.17	0.012	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 06	Soil	10	0.20	130	0.060	<1	0.97	0.011	0.08	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 07	Soil	11	0.28	115	0.035	2	1.72	0.011	0.05	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 08	Soil	11	0.23	160	0.051	1	1.16	0.012	0.07	<0.1	<0.01	2.2	<0.1	<0.05	4	0.8	<0.2
BM11-JT 09	Soil	10	0.26	101	0.042	1	1.82	0.012	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 10	Soil	10	0.22	137	0.042	<1	1.44	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 11	Soil	9	0.21	159	0.043	<1	1.22	0.010	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	0.6	<0.2
BM11-JT 12	Soil	11	0.27	171	0.057	<1	1.64	0.013	0.09	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 13	Soil	9	0.32	154	0.084	<1	1.44	0.013	0.05	<0.1	0.02	2.6	<0.1	<0.05	7	0.6	<0.2
BM11-JT 14	Soil	16	0.26	118	0.038	2	1.23	0.012	0.05	<0.1	0.01	2.1	<0.1	<0.05	5	0.7	<0.2
BM11-JT 15	Soil	10	0.24	169	0.050	1	1.44	0.011	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 16	Soil	9	0.25	130	0.062	<1	1.71	0.014	0.10	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 17	Soil	13	0.29	119	0.068	<1	1.48	0.015	0.14	<0.1	0.02	3.1	<0.1	<0.05	7	0.9	<0.2
BM11-JT 18	Soil	14	0.33	146	0.083	3	1.15	0.010	0.09	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 19	Soil	10	0.20	147	0.056	<1	1.28	0.012	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 20	Soil	10	0.20	158	0.059	<1	1.14	0.013	0.07	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 21	Soil	11	0.24	131	0.068	1	1.32	0.013	0.11	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 22	Soil	10	0.23	105	0.066	2	1.29	0.012	0.09	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 23	Soil	10	0.20	110	0.053	<1	1.26	0.014	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 24	Soil	10	0.21	134	0.045	<1	1.19	0.011	0.08	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 25	Soil	17	0.40	119	0.059	1	1.86	0.024	0.08	<0.1	0.04	6.7	<0.1	<0.05	6	1.5	<0.2
BM11-JT 26	Soil	14	0.34	89	0.066	1	1.45	0.017	0.08	<0.1	0.03	4.3	<0.1	<0.05	5	0.6	<0.2
BM11-JT 27	Soil	11	0.26	130	0.062	2	1.53	0.012	0.10	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 28	Soil	11	0.22	122	0.055	<1	1.22	0.010	0.08	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 29	Soil	11	0.24	95	0.072	<1	1.04	0.015	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	0.9	<0.2
BM11-JT 30	Soil	10	0.21	84	0.055	<1	1.15	0.017	0.05	<0.1	0.02	3.1	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 3 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11003753.1

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		
				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
BM11-JT 31	Soil			0.6	7.5	5.7	37	<0.1	5.0	4.1	403	1.41	1.1	69.6	0.7	22	<0.1	0.2	<0.1	38	0.22	0.021	7
BM11-JT 32	Soil			0.5	9.1	4.8	35	<0.1	5.3	4.1	262	1.62	2.3	6.9	0.8	25	<0.1	0.3	<0.1	44	0.21	0.016	9
BM11-JT 33	Soil			0.3	7.9	4.5	38	<0.1	4.3	2.9	304	1.20	1.3	4.2	0.6	25	<0.1	0.2	<0.1	31	0.22	0.021	10
BM11-JT 34	Soil			0.4	5.8	4.5	39	<0.1	3.6	2.9	209	1.21	1.1	1.6	0.6	17	<0.1	0.2	<0.1	37	0.16	0.020	7
BM11-JT 35	Soil			0.7	11.2	5.7	45	<0.1	7.6	5.0	200	2.16	3.7	<0.5	1.1	25	<0.1	0.3	<0.1	56	0.23	0.069	6
BM11-JT 36	Soil			0.6	10.9	5.5	45	0.1	6.5	4.1	214	1.70	2.4	4.3	1.0	25	<0.1	0.3	<0.1	48	0.22	0.034	9
BM11-JT 37	Soil			0.6	16.2	4.9	40	0.1	8.1	5.2	350	1.80	2.7	2.1	0.7	28	<0.1	0.2	0.1	42	0.29	0.034	24
BM11-JT 38	Soil			0.7	9.8	6.2	100	<0.1	8.8	5.9	812	1.94	4.1	0.7	0.9	27	0.2	0.2	0.1	44	0.33	0.212	6
BM11-JT 39	Soil			0.6	9.6	5.4	54	0.1	7.6	5.9	429	1.96	3.3	5.0	0.8	24	<0.1	0.2	0.1	47	0.29	0.087	6
BM11-JT 40	Soil			1.0	9.5	7.7	60	<0.1	6.9	5.3	714	1.63	3.2	0.9	0.5	33	0.1	0.2	0.1	40	0.54	0.059	6
BM11-JT 41	Soil			0.7	11.7	5.7	61	0.1	7.8	6.1	392	2.08	3.9	1.0	0.9	27	<0.1	0.3	0.1	49	0.28	0.111	6
BM11-JT 42	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.
BM11-JT 43	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.
BM11-JT 44	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.
BM11-JT 45	Soil			0.7	86.2	10.3	69	1.0	27.3	10.1	634	4.30	9.1	3.7	2.8	58	0.2	0.3	0.2	70	0.76	0.039	36
BM11-JT 46	Soil			0.8	19.8	6.9	57	<0.1	9.5	7.5	454	2.51	3.8	7.7	1.7	39	<0.1	0.4	0.1	62	0.43	0.032	16
BM11-JT 47	Soil			0.8	13.4	5.3	63	<0.1	8.6	6.8	511	2.29	5.0	2.1	1.1	34	<0.1	0.3	<0.1	57	0.35	0.070	7
BM11-JT 48	Soil			0.9	15.9	5.7	58	<0.1	9.2	6.7	445	2.48	5.4	2.2	1.2	31	<0.1	0.4	<0.1	62	0.30	0.074	7
BM11-JT 49	Soil			0.7	11.4	5.1	52	<0.1	7.8	6.1	341	2.20	3.7	2.3	1.1	25	<0.1	0.3	0.2	55	0.21	0.068	6
BM11-JT 50	Soil			0.7	9.3	5.0	49	<0.1	7.9	5.9	226	1.98	3.2	2.2	1.0	22	<0.1	0.2	0.1	49	0.19	0.073	5
BM11-S03	Rock Pulp			121.3	3678	22.1	62	2.3	37.8	20.8	398	4.31	52.9	372.2	2.0	28	0.3	3.6	0.4	123	0.32	0.093	12
BM11-JT 51	Soil			0.5	7.8	4.9	39	<0.1	6.7	5.1	273	1.76	2.4	1.0	0.6	28	<0.1	0.2	<0.1	47	0.21	0.046	4
BM11-JT 52	Soil			0.5	9.1	5.6	46	<0.1	7.0	5.1	251	1.64	2.2	<0.5	0.7	26	<0.1	0.2	<0.1	42	0.21	0.050	5
BM11-JT 53	Soil			0.5	8.6	5.4	55	<0.1	6.7	5.6	371	1.75	2.7	1.9	0.8	43	<0.1	0.2	<0.1	49	0.34	0.065	5
BM11-JT 54	Soil			0.4	8.8	5.3	58	<0.1	7.7	6.1	227	1.92	3.2	1.2	0.8	36	<0.1	0.2	<0.1	51	0.28	0.099	5
BM11-JT 55	Soil			0.5	8.9	5.5	61	<0.1	8.2	5.6	521	1.77	2.9	1.6	0.7	29	<0.1	0.2	<0.1	46	0.28	0.060	5
BM11-JT 56	Soil			0.5	7.8	5.3	58	<0.1	7.6	5.5	484	1.71	3.0	<0.5	0.9	29	<0.1	0.2	<0.1	46	0.27	0.067	5
BM11-JT 57	Soil			0.6	8.4	5.9	66	<0.1	8.0	5.6	516	1.70	3.1	3.7	0.9	24	<0.1	0.2	<0.1	44	0.20	0.099	4
BM11-JT 58	Soil			0.5	16.0	5.7	37	<0.1	8.3	4.8	334	1.62	2.4	0.8	1.2	32	<0.1	0.2	<0.1	42	0.32	0.015	17
BM11-JT 59	Soil			0.5	9.9	5.3	57	<0.1	8.6	5.8	288	1.88	3.0	<0.5	0.9	28	<0.1	0.2	<0.1	47	0.22	0.087	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 3 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11003753.1

Method	Analyte	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	0.01	0.05	1	0.5	0.2
BM11-JT 31	Soil	9	0.20	96	0.057	1	0.82	0.011	0.08	<0.1	0.01	1.9	<0.1	<0.05	3	0.6	<0.2
BM11-JT 32	Soil	10	0.21	95	0.067	<1	0.83	0.013	0.05	<0.1	<0.01	2.0	<0.1	<0.05	3	0.6	<0.2
BM11-JT 33	Soil	8	0.17	99	0.050	<1	0.87	0.013	0.06	<0.1	0.02	2.0	<0.1	<0.05	3	0.6	<0.2
BM11-JT 34	Soil	3	0.14	78	0.046	1	0.72	0.010	0.05	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 35	Soil	12	0.27	120	0.061	<1	1.23	0.011	0.06	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 36	Soil	11	0.24	131	0.057	<1	1.03	0.014	0.06	<0.1	0.01	2.4	<0.1	<0.05	4	1.2	<0.2
BM11-JT 37	Soil	12	0.24	111	0.052	<1	1.26	0.015	0.07	<0.1	0.03	2.6	<0.1	0.06	4	<0.5	<0.2
BM11-JT 38	Soil	12	0.21	235	0.049	1	1.53	0.016	0.09	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 39	Soil	12	0.23	153	0.052	<1	1.31	0.012	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 40	Soil	10	0.21	176	0.043	1	1.14	0.011	0.08	<0.1	0.06	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 41	Soil	13	0.25	174	0.055	2	1.28	0.011	0.09	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 42	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.
BM11-JT 43	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.
BM11-JT 44	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.
BM11-JT 45	Soil	32	0.72	316	0.049	<1	4.72	0.023	0.18	<0.1	0.08	12.0	<0.1	<0.05	12	<0.5	<0.2
BM11-JT 46	Soil	17	0.39	156	0.085	1	1.42	0.017	0.08	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 47	Soil	14	0.29	141	0.081	<1	1.26	0.015	0.12	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 48	Soil	16	0.34	156	0.072	<1	1.38	0.014	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 49	Soil	11	0.25	128	0.053	<1	1.38	0.011	0.06	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 50	Soil	12	0.23	109	0.060	1	1.48	0.011	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-S03	Rock Pulp	53	0.88	50	0.104	<1	1.32	0.037	0.88	4.5	0.06	8.4	0.5	1.88	6	6.8	0.7
BM11-JT 51	Soil	10	0.20	109	0.070	<1	1.19	0.012	0.08	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 52	Soil	10	0.22	105	0.070	<1	1.37	0.013	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 53	Soil	10	0.23	127	0.089	1	1.29	0.016	0.10	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 54	Soil	12	0.24	130	0.096	<1	1.51	0.013	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 55	Soil	11	0.22	126	0.075	<1	1.30	0.012	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 56	Soil	10	0.22	127	0.097	<1	1.48	0.013	0.09	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 57	Soil	11	0.22	111	0.080	<1	1.42	0.012	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 58	Soil	13	0.28	97	0.077	<1	1.44	0.023	0.07	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 59	Soil	12	0.24	114	0.081	<1	1.62	0.012	0.08	<0.1	0.02	2.3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 4 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11003753.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BM11-JT 60	Soil		0.5	7.9	5.4	47	<0.1	6.2	5.8	427	1.91	3.7	0.8	0.8	39	<0.1	0.2	<0.1	56	0.26	0.055	4
BM11-JT 61	Soil		0.4	7.8	4.5	41	<0.1	6.0	4.6	152	1.62	2.1	<0.5	0.7	24	<0.1	0.2	<0.1	43	0.20	0.038	6
BM11-JT 62	Soil		0.5	15.7	5.5	45	<0.1	8.9	6.8	593	2.16	2.5	1.5	1.2	50	0.1	0.2	<0.1	56	0.49	0.020	16
BM11-JT 63	Soil		0.5	16.0	5.2	44	<0.1	8.4	6.8	279	2.55	4.9	1.0	1.2	79	<0.1	0.4	<0.1	77	0.41	0.038	9
BM11-JT 64	Soil		0.6	22.5	5.5	53	<0.1	10.5	8.2	402	2.85	7.6	1.7	1.4	132	<0.1	0.4	<0.1	78	0.85	0.073	19
BM11-JT 65	Soil		0.6	12.1	5.2	43	<0.1	6.5	5.7	311	2.07	2.8	20.3	1.0	51	<0.1	0.3	<0.1	58	0.37	0.023	9
BM11-JT 66	Soil		0.5	21.4	5.9	53	<0.1	9.5	7.6	465	2.62	5.4	5.6	1.5	64	<0.1	0.3	<0.1	67	0.57	0.043	11
BM11-JT 67	Soil		0.7	13.5	5.1	54	<0.1	7.9	6.4	387	2.25	3.5	1.2	1.1	48	0.1	0.3	<0.1	61	0.33	0.057	8
BM11-JT 68	Soil		0.6	21.4	5.9	57	0.1	11.6	7.3	388	2.55	3.5	<0.5	1.3	54	0.1	0.3	<0.1	59	0.52	0.054	26
BM11-JT 69	Soil		0.5	18.9	6.1	46	<0.1	9.2	7.6	497	2.43	4.8	1.2	1.4	88	0.1	0.3	<0.1	63	0.63	0.050	15
BM11-JT 70	Soil		0.3	12.7	5.5	50	<0.1	7.2	6.8	350	2.12	3.3	1.2	1.1	72	0.1	0.2	<0.1	56	0.51	0.058	6
BM11-JT 71	Soil		0.5	18.6	7.4	50	<0.1	8.7	7.6	750	2.45	4.7	1.3	1.3	81	0.1	0.3	<0.1	59	0.78	0.052	15
BM11-JT 72	Soil		0.5	21.2	5.0	40	<0.1	8.1	7.0	429	2.14	5.1	2.4	1.2	66	0.1	0.3	<0.1	55	0.52	0.044	12
BM11-JT 73	Soil		0.4	12.3	4.9	33	<0.1	6.0	5.0	261	1.79	3.8	1.1	1.2	46	<0.1	0.3	<0.1	52	0.33	0.031	10
BM11-JT 74	Soil		0.6	12.7	4.7	43	<0.1	7.7	5.3	286	2.20	3.0	1.4	1.0	32	<0.1	0.3	<0.1	63	0.28	0.036	6
BM11-JT 75	Soil		0.5	13.3	5.3	56	<0.1	9.6	6.5	364	2.23	3.3	2.4	1.1	27	<0.1	0.3	<0.1	60	0.24	0.054	6
BM11-JT 76	Soil		0.5	12.2	5.0	59	<0.1	8.2	5.2	426	1.93	2.5	2.6	0.9	22	<0.1	0.2	<0.1	51	0.21	0.065	6
BM11-JT 77	Soil		0.5	8.4	5.0	69	<0.1	7.8	4.9	598	1.56	1.6	<0.5	0.7	21	0.1	0.1	<0.1	40	0.23	0.069	4
BM11-JT 78	Soil		0.4	8.4	4.6	47	<0.1	6.8	4.3	290	1.47	1.5	1.1	0.8	20	<0.1	0.2	<0.1	41	0.19	0.030	5
BM11-JT 79	Soil		0.6	10.7	5.7	51	<0.1	8.7	6.0	571	1.86	2.4	<0.5	1.0	17	<0.1	0.2	<0.1	49	0.16	0.049	5
BM11-JT 80	Soil		0.4	12.2	5.0	45	<0.1	7.1	5.2	438	1.67	2.0	1.2	0.9	31	<0.1	0.2	<0.1	44	0.30	0.025	12
BM11-JT 81	Soil		0.6	10.0	5.1	63	<0.1	7.8	5.6	379	1.85	2.9	1.0	0.9	22	<0.1	0.2	<0.1	49	0.22	0.087	5
BM11-JT 82	Soil		0.7	8.0	4.7	55	<0.1	6.4	4.7	437	1.80	2.6	0.7	0.8	20	<0.1	0.2	<0.1	46	0.23	0.038	5
BM11-JT 83	Soil		0.4	7.7	4.2	41	<0.1	5.9	3.9	206	1.57	1.7	2.5	0.7	17	<0.1	0.2	<0.1	40	0.20	0.026	7
BM11-JT 84	Soil		0.5	8.1	4.8	61	<0.1	6.3	3.7	276	1.53	1.8	1.8	0.8	16	<0.1	0.2	<0.1	40	0.18	0.042	6
BM11-JT 85	Soil		0.4	7.7	4.4	61	<0.1	5.3	3.6	533	1.36	1.3	0.7	0.6	18	0.1	0.1	<0.1	36	0.29	0.029	8
BM11-JT 86	Soil		0.5	11.5	5.0	53	0.1	6.4	4.6	625	1.62	1.7	1.3	0.7	21	0.1	0.2	<0.1	42	0.38	0.032	21
BM11-JT 87	Soil		0.5	8.3	4.6	74	<0.1	6.6	4.2	482	1.55	3.0	1.9	0.6	20	0.1	0.1	<0.1	37	0.40	0.146	3
BM11-JT 88	Soil		0.7	25.6	6.1	42	0.3	9.4	5.9	855	1.99	2.4	1.2	0.9	24	0.1	0.3	<0.1	47	0.67	0.030	41
BM11-JT 89	Soil		0.6	9.6	5.1	59	0.1	7.2	4.4	343	1.79	2.9	2.1	0.8	22	0.1	0.2	<0.1	43	0.47	0.117	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 4 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11003753.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-JT 60	Soil			11	0.21	121	0.101	<1	1.11	0.011	0.09	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 61	Soil			10	0.19	92	0.057	<1	0.96	0.011	0.07	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 62	Soil			16	0.36	142	0.090	<1	1.31	0.022	0.08	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 63	Soil			17	0.36	122	0.136	1	1.25	0.020	0.12	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 64	Soil			19	0.52	135	0.129	2	1.93	0.022	0.14	<0.1	0.06	6.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 65	Soil			14	0.29	112	0.105	1	1.00	0.016	0.09	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 66	Soil			17	0.44	154	0.091	<1	1.67	0.027	0.09	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 67	Soil			14	0.31	132	0.099	1	1.19	0.017	0.08	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 68	Soil			17	0.39	193	0.070	1	1.95	0.017	0.12	<0.1	0.04	4.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 69	Soil			16	0.47	163	0.080	2	1.43	0.028	0.11	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 70	Soil			13	0.36	149	0.070	1	1.28	0.021	0.09	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 71	Soil			15	0.41	163	0.055	2	1.40	0.013	0.13	<0.1	0.06	3.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 72	Soil			16	0.39	128	0.063	2	1.16	0.015	0.11	<0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 73	Soil			12	0.27	108	0.082	2	0.92	0.024	0.09	<0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 74	Soil			15	0.28	117	0.099	2	1.13	0.010	0.08	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 75	Soil			16	0.31	149	0.089	1	1.54	0.018	0.08	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 76	Soil			14	0.26	121	0.082	2	1.32	0.015	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 77	Soil			11	0.20	141	0.074	1	1.37	0.017	0.08	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 78	Soil			11	0.21	104	0.069	<1	1.10	0.011	0.04	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 79	Soil			13	0.26	124	0.081	<1	1.68	0.013	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 80	Soil			13	0.27	99	0.074	<1	1.29	0.014	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 81	Soil			12	0.23	118	0.064	<1	1.18	0.010	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 82	Soil			12	0.21	145	0.068	1	1.12	0.010	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 83	Soil			11	0.19	95	0.058	<1	1.04	0.017	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 84	Soil			11	0.18	121	0.054	1	1.11	0.012	0.05	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 85	Soil			10	0.16	127	0.054	1	1.01	0.016	0.06	<0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 86	Soil			12	0.21	98	0.054	2	1.10	0.014	0.10	<0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 87	Soil			10	0.17	174	0.052	3	1.16	0.012	0.08	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 88	Soil			16	0.28	96	0.050	1	1.49	0.016	0.06	<0.1	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 89	Soil			11	0.22	147	0.052	2	1.11	0.009	0.11	<0.1	0.01	1.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 5 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11003753.1

Method Analyte	Unit	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	La
MDL		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	1
BM11-JT 90	Soil	0.6	10.3	5.2	73	<0.1	7.5	4.6	413	1.77	3.1	3.4	0.7	24	0.2	0.2	<0.1	43	0.56	0.130	6	
BM11-JT 91	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JT 92	Soil	0.6	13.8	6.1	82	<0.1	7.8	6.3	625	1.97	3.4	<0.5	0.9	26	0.2	0.2	<0.1	44	0.49	0.130	7	
BM11-JT 93	Soil	0.6	7.7	4.4	55	<0.1	5.1	4.9	619	1.70	3.3	5.8	1.1	21	0.1	0.1	<0.1	37	0.31	0.127	5	
BM11-JT 94	Soil	0.5	14.6	5.3	33	0.1	5.9	4.8	381	1.55	2.2	2.8	0.9	18	<0.1	0.2	<0.1	40	0.36	0.018	22	
BM11-JT 95	Soil	0.5	8.2	5.1	69	<0.1	6.4	4.8	519	1.54	2.1	2.9	0.9	18	0.1	0.2	<0.1	37	0.21	0.083	5	
BM11-JT 96	Soil	0.6	9.4	4.9	62	<0.1	7.3	5.3	514	1.80	3.3	0.8	0.9	20	0.1	0.2	<0.1	45	0.23	0.107	5	
BM11-JT 97	Soil	0.7	12.1	4.5	47	<0.1	7.6	5.8	355	2.39	4.1	3.1	1.2	34	<0.1	0.3	<0.1	64	0.39	0.037	9	
BM11-JT 98	Soil	0.6	10.4	4.7	50	<0.1	6.7	5.1	269	2.03	3.3	1.9	1.0	22	<0.1	0.3	<0.1	51	0.26	0.051	6	
BM11-JT 99	Soil	0.6	9.1	5.5	64	<0.1	5.6	4.3	630	1.67	2.7	1.2	0.8	22	0.1	0.2	<0.1	43	0.39	0.051	5	
BM11-JT 100	Soil	0.9	12.8	4.7	49	<0.1	7.9	5.4	292	2.27	4.0	1.3	1.1	23	<0.1	0.3	<0.1	57	0.29	0.025	8	
BM11-S09	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JT 101	Soil	0.9	15.2	4.8	49	<0.1	9.5	6.1	282	2.48	4.7	9.3	1.1	27	<0.1	0.3	<0.1	66	0.26	0.041	6	
BM11-JT 102	Soil	1.0	13.4	4.4	41	<0.1	7.8	5.5	252	2.33	5.0	1.8	1.1	24	<0.1	0.3	<0.1	57	0.31	0.043	6	
BM11-JT 103	Soil	0.8	13.2	4.4	44	<0.1	8.9	5.3	212	2.22	3.8	5.3	0.9	28	<0.1	0.2	<0.1	58	0.27	0.029	6	
BM11-JT 104	Soil	0.7	9.8	5.6	53	<0.1	6.7	4.6	590	1.62	2.8	1.8	0.9	16	<0.1	0.2	<0.1	36	0.22	0.085	6	
BM11-JT 105	Soil	0.6	8.1	6.6	59	<0.1	6.2	5.2	829	1.64	2.7	<0.5	0.9	18	<0.1	0.2	<0.1	37	0.21	0.049	6	
BM11-JT 106	Soil	0.5	7.1	5.6	67	<0.1	7.3	4.8	720	1.45	2.4	0.9	0.8	22	<0.1	0.2	<0.1	35	0.26	0.058	5	
BM11-JT 107	Soil	0.4	6.3	4.8	45	<0.1	5.5	3.9	295	1.48	2.2	<0.5	0.9	25	<0.1	0.2	<0.1	34	0.23	0.057	5	
BM11-JT 108	Soil	0.7	9.0	5.6	46	<0.1	6.7	4.9	360	1.85	2.8	20.0	0.8	22	<0.1	0.3	<0.1	43	0.22	0.038	5	
BM11-JT 109	Soil	0.6	7.0	5.0	35	<0.1	4.5	3.7	229	1.52	2.0	1.0	0.8	22	<0.1	0.3	<0.1	36	0.22	0.024	7	
BM11-JT 110	Soil	0.5	8.6	4.9	35	<0.1	5.1	3.9	269	1.58	1.9	2.4	0.9	24	<0.1	0.3	<0.1	39	0.23	0.017	10	
BM11-JT 111	Soil	0.9	11.9	4.7	40	<0.1	6.6	5.1	311	2.22	4.2	4.5	1.0	30	<0.1	0.4	<0.1	55	0.25	0.024	7	
BM11-JT 112	Soil	0.8	10.9	5.3	40	<0.1	6.1	4.4	233	1.81	2.9	2.6	0.8	23	<0.1	0.2	<0.1	43	0.21	0.046	6	
BM11-JT 113	Soil	0.6	11.7	5.3	45	<0.1	6.8	4.7	308	1.86	2.9	1.3	0.9	24	<0.1	0.3	<0.1	44	0.21	0.031	9	
BM11-JT 114	Soil	0.5	9.9	5.3	59	0.1	6.9	4.7	306	1.82	2.8	3.6	1.0	24	<0.1	0.2	<0.1	42	0.19	0.088	5	
BM11-JT 115	Soil	0.4	11.7	5.5	52	0.2	7.1	4.6	212	1.95	2.8	1.8	1.2	23	<0.1	0.3	<0.1	43	0.36	0.024	9	
BM11-JT 116	Soil	0.6	16.0	5.9	44	0.1	7.5	4.9	340	1.87	2.8	0.9	1.3	28	<0.1	0.3	<0.1	43	0.37	0.022	16	
BM11-JT 117	Soil	0.8	10.0	5.5	42	0.1	7.1	4.9	387	2.00	4.0	9.0	0.9	21	<0.1	0.4	<0.1	49	0.18	0.052	5	
BM11-JT 118	Soil	0.5	8.7	6.2	59	0.3	6.3	4.4	600	1.60	3.1	<0.5	0.9	20	0.1	0.2	<0.1	35	0.23	0.120	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 5 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11003753.1

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	
BM11-JT 90	Soil	12	0.22	157	0.064	3	1.21	0.010	0.11	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 91	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.
BM11-JT 92	Soil	13	0.25	134	0.071	2	1.84	0.016	0.11	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 93	Soil	7	0.23	97	0.104	2	1.52	0.021	0.05	0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
BM11-JT 94	Soil	12	0.24	46	0.047	<1	1.12	0.017	0.04	<0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 95	Soil	10	0.19	145	0.052	<1	1.27	0.012	0.07	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 96	Soil	12	0.21	148	0.054	1	1.20	0.011	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 97	Soil	16	0.32	105	0.076	1	0.99	0.016	0.06	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 98	Soil	13	0.26	121	0.061	<1	1.02	0.012	0.08	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 99	Soil	10	0.21	146	0.054	2	0.87	0.012	0.09	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 100	Soil	15	0.32	89	0.077	<1	0.98	0.013	0.07	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-S09	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JT 101	Soil	18	0.36	121	0.078	1	1.32	0.016	0.09	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 102	Soil	15	0.30	109	0.072	1	0.97	0.017	0.08	<0.1	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 103	Soil	15	0.32	125	0.065	<1	1.19	0.010	0.09	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 104	Soil	10	0.20	132	0.043	1	1.43	0.012	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 105	Soil	9	0.21	138	0.034	<1	1.78	0.010	0.06	<0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 106	Soil	9	0.20	152	0.042	1	1.34	0.011	0.08	<0.1	0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JT 107	Soil	9	0.21	152	0.042	<1	1.11	0.011	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 108	Soil	11	0.28	110	0.041	<1	1.25	0.011	0.06	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 109	Soil	10	0.21	83	0.047	1	0.84	0.012	0.06	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 110	Soil	10	0.25	79	0.064	<1	0.90	0.016	0.05	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 111	Soil	13	0.36	81	0.079	<1	0.92	0.015	0.06	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 112	Soil	11	0.28	95	0.048	<1	1.17	0.013	0.06	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 113	Soil	12	0.29	118	0.056	<1	1.02	0.015	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 114	Soil	11	0.25	136	0.049	<1	1.18	0.015	0.06	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 115	Soil	12	0.29	101	0.056	2	1.37	0.019	0.07	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 116	Soil	13	0.31	110	0.063	1	1.20	0.018	0.06	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 117	Soil	12	0.27	134	0.050	<1	0.96	0.013	0.06	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 118	Soil	10	0.20	167	0.046	<1	1.18	0.012	0.06	<0.1	0.02	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 6 of 6 Part 1

CERTIFICATE OF ANALYSIS

VAN11003753.1

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	
BM11-JT 119	Soil	0.5	9.1	5.7	55	0.2	6.7	4.5	275	1.78	3.1	6.2	0.9	22	<0.1	0.3	<0.1	43	0.23	0.068	5
BM11-JT 120	Soil	1.0	10.0	5.0	46	<0.1	6.2	5.0	287	2.18	3.6	11.5	0.9	31	<0.1	0.4	<0.1	56	0.24	0.035	6
BM11-JT 121	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.
BM11-JT 122	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.
BM11-JT 123	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.
BM11-JT 124	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.
BM11-JT 125	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.
BM11-JT 126	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.
BM11-JT 127	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.
BM11-JT 128	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.
BM11-JT 129	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.
BM11-JT 130	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 11, 2011

Page: 6 of 6 Part 2

CERTIFICATE OF ANALYSIS

VAN11003753.1

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
BM11-JT 119	Soil	11	0.23	148	0.044	<1	1.28	0.016	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 120	Soil	13	0.28	122	0.068	<1	0.88	0.011	0.07	<0.1	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
BM11-JT 121	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.
BM11-JT 122	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.
BM11-JT 123	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.
BM11-JT 124	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.
BM11-JT 125	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.
BM11-JT 126	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.
BM11-JT 127	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.
BM11-JT 128	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.
BM11-JT 129	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.
BM11-JT 130	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 11, 2011

**Page:** 1 of 1 **Part** 1

# QUALITY CONTROL REPORT

VAN11003753.1

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																					
BM11-JT 06	Soil	0.5	6.8	5.0	63	<0.1	5.2	3.8	368	1.52	2.2	0.7	0.8	21	0.1	0.2	<0.1	46	0.18	0.037	4
REP BM11-JT 06	QC	0.6	7.3	4.9	64	<0.1	5.7	3.9	385	1.56	2.1	<0.5	0.8	21	0.1	0.2	<0.1	46	0.19	0.037	5
BM11-JT 28	Soil	0.7	8.4	5.9	61	<0.1	6.6	5.0	702	1.61	2.6	<0.5	1.0	19	<0.1	0.2	<0.1	44	0.20	0.082	5
REP BM11-JT 28	QC	0.7	8.7	5.6	65	<0.1	6.5	4.8	713	1.63	3.4	1.1	1.0	20	<0.1	0.2	<0.1	44	0.21	0.087	5
BM11-JT 38	Soil	0.7	9.8	6.2	100	<0.1	8.8	5.9	812	1.94	4.1	0.7	0.9	27	0.2	0.2	0.1	44	0.33	0.212	6
REP BM11-JT 38	QC	0.6	8.9	5.3	90	<0.1	8.4	5.5	755	1.80	3.4	2.8	0.8	25	0.2	0.2	0.1	43	0.31	0.188	5
BM11-JT 61	Soil	0.4	7.8	4.5	41	<0.1	6.0	4.6	152	1.62	2.1	<0.5	0.7	24	<0.1	0.2	<0.1	43	0.20	0.038	6
REP BM11-JT 61	QC	0.4	7.9	4.6	41	<0.1	6.0	4.6	155	1.66	2.2	3.3	0.7	24	<0.1	0.2	<0.1	42	0.20	0.037	5
BM11-JT 80	Soil	0.4	12.2	5.0	45	<0.1	7.1	5.2	438	1.67	2.0	1.2	0.9	31	<0.1	0.2	<0.1	44	0.30	0.025	12
REP BM11-JT 80	QC	0.4	11.8	5.1	44	<0.1	7.3	5.3	445	1.67	2.2	<0.5	0.9	31	<0.1	0.2	<0.1	44	0.29	0.025	12
BM11-JT 94	Soil	0.5	14.6	5.3	33	0.1	5.9	4.8	381	1.55	2.2	2.8	0.9	18	<0.1	0.2	<0.1	40	0.36	0.018	22
REP BM11-JT 94	QC	0.5	15.3	5.0	32	0.1	6.0	4.8	390	1.60	2.0	0.9	0.9	18	<0.1	0.2	0.1	40	0.36	0.018	22
BM11-JT 111	Soil	0.9	11.9	4.7	40	<0.1	6.6	5.1	311	2.22	4.2	4.5	1.0	30	<0.1	0.4	<0.1	55	0.25	0.024	7
REP BM11-JT 111	QC	0.8	12.1	4.6	39	<0.1	5.8	5.0	306	2.20	4.0	1.1	1.0	28	<0.1	0.4	<0.1	53	0.24	0.025	7
Reference Materials																					
STD DS8	Standard	11.7	102.5	116.9	301	1.6	34.7	7.2	569	2.34	25.4	104.5	6.0	64	2.1	5.6	6.6	40	0.64	0.075	12
STD DS8	Standard	15.0	110.7	131.9	323	1.9	40.6	8.1	647	2.60	27.6	108.2	6.9	70	2.6	5.7	6.4	44	0.75	0.085	17
STD DS8	Standard	12.5	105.6	120.5	306	1.8	35.4	7.1	590	2.32	26.0	100.3	6.8	66	2.4	5.3	6.7	43	0.64	0.078	15
STD DS8	Standard	12.2	103.8	118.1	298	1.8	37.8	7.7	604	2.47	25.7	106.7	6.0	60	2.2	5.2	6.0	44	0.65	0.078	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 11, 2011

**Page:** 1 of 1 **Part** 2

QUALITY CONTROL REPORT

VAN11003753.1

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																	
BM11-JT 06	Soil	10	0.20	130	0.060	<1	0.97	0.011	0.08	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JT 06	QC	10	0.20	132	0.061	<1	1.01	0.010	0.08	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 28	Soil	11	0.22	122	0.055	<1	1.22	0.010	0.08	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JT 28	QC	12	0.22	116	0.057	<1	1.25	0.010	0.08	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 38	Soil	12	0.21	235	0.049	1	1.53	0.016	0.09	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JT 38	QC	11	0.19	215	0.049	1	1.34	0.012	0.08	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JT 61	Soil	10	0.19	92	0.057	<1	0.96	0.011	0.07	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
REP BM11-JT 61	QC	10	0.20	90	0.056	<1	1.00	0.012	0.07	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 80	Soil	13	0.27	99	0.074	<1	1.29	0.014	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JT 80	QC	13	0.27	102	0.078	1	1.28	0.021	0.05	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 94	Soil	12	0.24	46	0.047	<1	1.12	0.017	0.04	<0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JT 94	QC	11	0.24	46	0.045	<1	1.11	0.018	0.04	<0.1	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JT 111	Soil	13	0.36	81	0.079	<1	0.92	0.015	0.06	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
REP BM11-JT 111	QC	13	0.35	81	0.070	<1	0.87	0.018	0.06	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	113	0.64	260	0.105	3	0.87	0.082	0.39	2.8	0.19	2.2	5.1	0.15	4	4.4	4.7
STD DS8	Standard	122	0.63	303	0.118	2	0.96	0.097	0.43	3.3	0.22	2.3	5.8	0.17	5	5.0	5.4
STD DS8	Standard	104	0.60	273	0.107	3	0.89	0.078	0.41	2.6	0.19	2.7	5.3	<0.05	5	4.6	5.1
STD DS8	Standard	117	0.59	268	0.108	2	0.95	0.110	0.44	2.9	0.19	2.4	5.2	0.13	5	5.2	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry  
Receiving Lab: Canada-Vancouver  
Received: August 08, 2011  
Report Date: October 14, 2011  
Page: 1 of 9

# CERTIFICATE OF ANALYSIS

# VAN11003754.1

## CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #2  
P.O. Number  
Number of Samples: 233

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	230	Dry at 60C			VAN
SS80	226	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	226	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

## SAMPLE DISPOSAL

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

## 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: Steve Butrenchuk



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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-JF 121	Soil		0.9	9.3	6.6	51	0.1	7.2	5.2	556	1.91	6.4	1.9	0.9	23	0.1	0.3	0.1	48	0.26	0.077	5
BM11-JF 122	Soil		0.8	7.0	6.8	42	<0.1	4.1	4.1	477	1.40	4.5	8.7	0.4	24	<0.1	0.2	<0.1	36	0.27	0.048	4
BM11-JF 123	Soil		0.6	13.3	6.0	38	<0.1	7.3	4.6	279	1.61	4.6	2.3	0.6	25	<0.1	0.2	<0.1	39	0.28	0.023	13
BM11-JF 124	Soil		0.5	13.0	6.0	36	0.1	6.7	4.2	262	1.52	3.9	10.3	0.6	25	<0.1	0.2	<0.1	38	0.28	0.022	13
BM11-JF 125	Soil		0.7	13.3	6.1	38	0.1	7.0	4.3	273	1.58	5.3	1.0	0.7	26	<0.1	0.2	0.1	40	0.29	0.023	13
BM11-JF 126	Soil		0.5	7.2	6.6	66	<0.1	8.1	4.5	645	1.53	3.6	2.3	0.9	15	<0.1	0.2	0.1	36	0.14	0.106	4
BM11-JF 127	Soil		0.6	9.2	6.5	56	0.2	6.7	4.8	610	1.58	4.9	1.0	0.9	25	<0.1	0.2	<0.1	40	0.24	0.106	5
BM11-JF 128	Soil		0.7	7.9	6.5	58	0.1	7.2	4.7	806	1.58	5.1	1.2	0.8	26	0.1	0.2	<0.1	40	0.25	0.110	5
BM11-JF 129	Soil		0.7	9.1	6.5	66	0.1	6.9	5.0	797	1.51	4.7	2.7	0.8	22	<0.1	0.2	0.1	38	0.20	0.126	5
BM11-JF 130	Soil		0.5	8.7	6.6	35	<0.1	5.4	3.3	335	1.10	3.2	2.3	0.9	29	<0.1	0.1	<0.1	25	0.27	0.019	9
BM11-JF 131	Soil		0.6	9.5	6.7	48	<0.1	8.1	5.1	328	1.92	3.5	0.9	1.0	23	<0.1	0.3	<0.1	50	0.22	0.055	5
BM11-JF 132	Soil		0.8	9.3	6.5	51	<0.1	7.3	5.1	482	1.64	3.6	4.6	0.8	21	<0.1	0.2	<0.1	41	0.20	0.067	6
BM11-JF 133	Soil		0.9	13.9	6.5	49	<0.1	8.1	6.2	384	2.18	5.4	1.4	1.1	29	<0.1	0.3	<0.1	57	0.25	0.056	9
BM11-JF 134	Soil		0.7	10.4	6.2	60	<0.1	8.2	6.0	555	1.94	4.0	4.3	1.1	19	<0.1	0.3	<0.1	46	0.18	0.112	5
BM11-JF 135	Soil		0.7	7.6	6.7	55	<0.1	6.8	4.3	655	1.50	3.0	0.9	0.8	21	<0.1	0.2	<0.1	36	0.20	0.052	5
BM11-JF 136	Soil		0.4	7.1	5.1	29	<0.1	3.9	3.8	324	1.25	3.5	5.4	0.7	23	<0.1	0.2	<0.1	36	0.18	0.016	7
BM11-JF 137	Soil		0.7	24.3	9.4	46	0.2	11.9	6.5	660	2.45	7.1	45.9	2.3	56	<0.1	0.3	0.1	55	0.55	0.059	51
BM11-JF 138	Soil		0.5	9.2	6.0	37	<0.1	6.3	4.6	319	1.69	3.8	5.8	1.0	25	<0.1	0.2	<0.1	46	0.23	0.026	6
BM11-JF 139	Soil		0.6	9.1	6.3	40	<0.1	5.7	4.3	604	1.50	3.3	1.2	0.7	42	<0.1	0.2	<0.1	41	0.43	0.046	11
BM11-JF 140	Soil		0.5	26.9	7.2	39	0.2	10.8	5.9	650	2.06	5.1	1.1	1.0	54	<0.1	0.3	<0.1	43	0.68	0.027	60
BM11-JF 141	Soil		0.4	32.4	7.1	40	0.2	11.1	5.7	401	2.14	4.9	1.1	1.1	48	<0.1	0.3	<0.1	45	0.60	0.026	47
BM11-JF 142	Soil		0.6	37.7	8.7	48	0.2	15.4	8.8	694	2.77	6.9	2.7	1.7	71	0.1	0.3	<0.1	57	1.02	0.036	61
BM11-JF 143	Soil		0.8	8.6	5.5	52	<0.1	7.0	5.3	483	1.71	4.9	4.5	0.9	23	0.1	0.2	<0.1	46	0.21	0.086	5
BM11-JF 144	Soil		0.8	9.3	7.0	46	<0.1	7.2	5.0	538	1.66	4.9	0.9	0.7	37	0.1	0.2	<0.1	44	0.43	0.041	5
BM11-JF 145	Soil		0.5	14.7	6.3	34	0.1	7.1	5.0	566	1.54	3.7	5.8	0.7	40	0.1	0.2	<0.1	41	0.40	0.025	23
BM11-JF 146	Soil		0.6	11.9	7.0	51	<0.1	7.7	6.1	848	1.69	4.0	1.8	0.7	43	0.1	0.2	<0.1	48	0.35	0.059	9
BM11-JF 147	Soil		0.5	9.4	5.6	41	<0.1	6.9	4.5	207	1.45	2.6	0.6	0.7	30	<0.1	0.1	<0.1	41	0.21	0.038	5
BM11-JF 148	Soil		0.5	7.7	5.8	40	<0.1	7.2	4.6	376	1.44	2.8	1.0	0.7	24	<0.1	0.1	<0.1	42	0.26	0.032	6
BM11-JF 149	Soil		0.6	12.2	5.9	46	<0.1	10.5	6.6	251	1.94	3.2	1.8	0.8	31	<0.1	0.2	<0.1	56	0.29	0.027	6
BM11-JF 150	Soil		0.5	11.4	5.9	49	<0.1	8.4	5.1	316	1.69	3.5	7.4	0.9	26	<0.1	0.2	<0.1	48	0.25	0.015	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-JF 121	Soil			12	0.22	150	0.054	<1	1.05	0.010	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 122	Soil			10	0.17	101	0.053	<1	0.74	0.011	0.07	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 123	Soil			13	0.26	94	0.046	<1	1.27	0.018	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 124	Soil			12	0.25	92	0.046	<1	1.18	0.020	0.06	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 125	Soil			13	0.27	97	0.052	<1	1.28	0.019	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 126	Soil			11	0.17	135	0.054	<1	1.28	0.013	0.06	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 127	Soil			12	0.19	150	0.059	4	1.07	0.012	0.06	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 128	Soil			12	0.18	164	0.057	<1	1.06	0.013	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 129	Soil			12	0.18	167	0.056	<1	1.07	0.012	0.06	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 130	Soil			12	0.21	97	0.054	<1	0.94	0.015	0.04	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 131	Soil			15	0.27	126	0.070	<1	1.44	0.011	0.08	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 132	Soil			13	0.21	99	0.057	<1	1.16	0.012	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 133	Soil			16	0.30	130	0.070	<1	1.24	0.013	0.07	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 134	Soil			14	0.24	137	0.055	<1	1.45	0.010	0.07	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 135	Soil			12	0.21	126	0.061	<1	1.26	0.012	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 136	Soil			10	0.17	68	0.072	<1	0.73	0.016	0.05	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 137	Soil			19	0.44	139	0.077	<1	2.25	0.023	0.09	<0.1	0.06	10.7	<0.1	<0.05	6	<0.5	<0.2
BM11-JF 138	Soil			14	0.24	105	0.093	<1	0.90	0.013	0.08	<0.1	<0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 139	Soil			12	0.20	164	0.096	<1	0.91	0.014	0.11	<0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 140	Soil			17	0.33	163	0.066	<1	1.77	0.018	0.12	0.1	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 141	Soil			17	0.35	150	0.067	<1	1.75	0.017	0.12	0.1	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 142	Soil			22	0.57	130	0.070	<1	2.65	0.019	0.13	0.1	0.07	10.1	<0.1	<0.05	7	<0.5	<0.2
BM11-JF 143	Soil			12	0.24	106	0.064	<1	1.12	0.013	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 144	Soil			12	0.25	116	0.074	<1	1.08	0.012	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 145	Soil			13	0.33	75	0.078	2	1.21	0.019	0.07	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 146	Soil			14	0.28	116	0.101	<1	1.28	0.015	0.08	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 147	Soil			12	0.24	85	0.096	<1	1.08	0.013	0.09	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 148	Soil			13	0.22	94	0.080	<1	1.06	0.014	0.05	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 149	Soil			18	0.39	86	0.119	<1	1.36	0.016	0.05	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 150	Soil			14	0.28	91	0.087	<1	1.14	0.017	0.05	<0.1	0.02	2.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-S14	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
BM11-JF 151	Soil	0.7	11.0	6.8	69	<0.1	10.2	6.2	670	1.94	3.0	1.7	1.1	20	<0.1	0.2	0.1	47	0.20	0.098	5
BM11-JF 152	Soil	0.6	12.3	6.0	61	<0.1	9.3	6.2	464	1.94	2.9	0.9	0.9	30	0.1	0.2	<0.1	53	0.28	0.095	5
BM11-JF 153	Soil	0.6	7.3	6.4	54	<0.1	6.3	3.8	759	1.35	2.5	2.4	0.7	19	0.1	0.1	0.2	31	0.19	0.121	4
BM11-JF 154	Soil	0.6	10.4	6.2	67	<0.1	7.9	5.9	679	1.82	2.6	2.5	1.1	24	0.1	0.2	0.1	43	0.19	0.100	5
BM11-JF 155	Soil	0.5	9.8	5.6	54	<0.1	7.7	5.2	416	2.00	3.3	5.7	0.9	38	<0.1	0.2	0.1	54	0.26	0.110	5
BM11-JF 156	Soil	0.5	11.1	5.5	88	0.1	7.3	4.7	666	1.53	2.5	3.3	1.0	22	0.1	0.2	0.1	36	0.18	0.135	6
BM11-JF 157	Soil	0.6	9.1	5.7	70	<0.1	7.9	4.9	488	1.73	2.6	1.9	0.9	26	0.1	0.2	0.1	46	0.19	0.154	4
BM11-JF 158	Soil	0.5	10.8	5.5	50	<0.1	8.7	5.4	318	2.03	2.9	1.7	1.0	34	<0.1	0.2	<0.1	52	0.28	0.077	6
BM11-JF 159	Soil	0.5	10.8	5.4	52	<0.1	8.6	5.2	333	1.95	2.9	1.7	0.9	34	<0.1	0.2	<0.1	53	0.27	0.071	6
BM11-JF 160	Soil	0.5	11.8	5.5	37	<0.1	7.2	4.5	305	1.76	1.8	2.7	1.0	32	<0.1	0.2	<0.1	44	0.32	0.027	9
BM11-JF 161	Soil	0.6	13.3	5.4	41	<0.1	6.9	5.7	293	2.05	3.1	2.5	1.1	64	<0.1	0.2	<0.1	60	0.36	0.026	9
BM11-JF 162	Soil	0.6	18.4	5.2	68	<0.1	9.6	7.1	826	2.26	3.2	4.0	1.2	73	0.4	0.2	<0.1	58	0.54	0.063	9
BM11-JF 163	Soil	0.7	14.6	5.3	40	<0.1	7.3	6.2	242	2.44	4.2	1.5	1.1	45	<0.1	0.3	0.2	68	0.24	0.037	6
BM11-JF 164	Soil	0.5	8.8	5.6	56	<0.1	5.8	4.8	574	1.89	2.4	5.6	0.9	35	0.1	0.2	<0.1	52	0.30	0.103	6
BM11-JF 165	Soil	0.4	14.7	6.0	53	<0.1	8.3	5.5	263	1.77	1.9	8.3	1.1	29	<0.1	0.2	<0.1	40	0.25	0.087	6
BM11-JF 166	Soil	0.3	15.7	5.8	49	<0.1	8.2	5.4	248	1.80	2.0	2.4	1.1	30	<0.1	0.2	<0.1	43	0.28	0.065	9
BM11-JF 167	Soil	0.6	16.1	6.1	37	0.1	7.7	5.8	442	1.98	2.3	1.6	1.3	44	<0.1	0.3	<0.1	54	0.35	0.013	21
BM11-JF 168	Soil	0.7	9.6	5.7	53	<0.1	6.5	5.0	677	1.71	2.3	2.1	0.8	25	<0.1	0.2	<0.1	43	0.26	0.065	6
BM11-JF 169	Soil	0.6	8.1	6.1	57	0.1	6.1	4.4	670	1.50	2.7	4.6	0.6	23	<0.1	0.2	<0.1	36	0.26	0.074	5
BM11-JF 170	Soil	0.6	8.1	6.7	68	<0.1	5.6	4.3	1395	1.54	2.5	0.7	0.7	19	0.1	0.2	<0.1	37	0.21	0.100	5
BM11-JF 171	Soil	0.6	9.0	5.7	60	0.1	6.6	4.5	541	1.62	2.3	<0.5	0.8	26	0.1	0.2	<0.1	40	0.24	0.057	7
BM11-JF 172	Soil	0.8	8.8	6.1	65	<0.1	6.9	4.8	622	1.73	2.7	11.5	0.8	25	0.1	0.2	<0.1	44	0.24	0.086	5
BM11-JF 173	Soil	0.5	7.5	6.5	89	0.1	6.7	4.1	697	1.46	2.3	3.2	0.7	26	0.1	0.2	0.1	34	0.32	0.125	5
BM11-JF 174	Soil	0.8	58.2	9.0	66	1.1	19.1	8.0	650	3.17	5.4	4.6	1.5	68	0.2	0.4	0.1	45	1.18	0.076	86
BM11-JF 175	Soil	0.6	53.6	8.4	58	0.9	15.8	6.5	498	2.48	3.4	5.6	1.1	68	0.3	0.4	0.1	36	1.19	0.078	77
BM11-JF 176	Soil	0.6	47.3	8.7	53	0.8	14.4	5.9	426	2.26	3.0	3.7	0.9	69	0.3	0.4	0.1	34	1.19	0.075	70
BM11-JF 177	Soil	0.7	53.0	9.1	60	0.8	15.9	7.1	608	2.59	3.8	3.2	1.2	62	0.2	0.4	0.1	43	1.03	0.067	66
BM11-JF 178	Soil	0.4	6.1	6.1	75	<0.1	5.5	3.4	336	1.30	3.8	0.7	1.1	21	0.1	0.1	0.1	30	0.19	0.263	5
BM11-JF 179	Soil	0.4	6.2	6.0	71	<0.1	6.0	3.3	342	1.26	4.4	0.7	1.1	21	<0.1	0.1	0.1	28	0.19	0.268	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-S14	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-JF 151	Soil	15	0.28	141	0.080	<1	1.66	0.013	0.06	0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 152	Soil	14	0.30	130	0.075	<1	1.51	0.013	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 153	Soil	8	0.18	126	0.065	2	1.18	0.018	0.05	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 154	Soil	12	0.25	133	0.075	2	1.42	0.013	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 155	Soil	12	0.23	125	0.083	2	1.15	0.018	0.09	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 156	Soil	9	0.20	136	0.069	1	1.22	0.018	0.06	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 157	Soil	11	0.21	119	0.084	2	1.19	0.015	0.07	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 158	Soil	14	0.28	118	0.103	1	1.22	0.023	0.08	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 159	Soil	14	0.27	114	0.104	2	1.20	0.015	0.07	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 160	Soil	13	0.24	95	0.088	1	1.07	0.016	0.08	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 161	Soil	15	0.30	103	0.134	2	1.04	0.022	0.11	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 162	Soil	17	0.39	150	0.125	2	1.27	0.022	0.16	<0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 163	Soil	14	0.30	87	0.121	2	0.99	0.015	0.05	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 164	Soil	13	0.22	135	0.094	2	0.98	0.014	0.10	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 165	Soil	13	0.26	137	0.077	1	1.44	0.018	0.06	<0.1	<0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 166	Soil	13	0.28	128	0.082	1	1.41	0.020	0.05	<0.1	<0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 167	Soil	15	0.32	104	0.124	<1	1.16	0.024	0.05	<0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 168	Soil	11	0.20	124	0.090	<1	1.34	0.019	0.06	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 169	Soil	9	0.19	135	0.053	1	1.21	0.017	0.07	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 170	Soil	9	0.20	156	0.049	<1	1.25	0.014	0.06	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 171	Soil	10	0.20	137	0.061	<1	1.10	0.015	0.09	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 172	Soil	11	0.21	173	0.062	1	1.20	0.013	0.12	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 173	Soil	9	0.20	196	0.058	1	1.11	0.014	0.08	<0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 174	Soil	26	0.57	340	0.026	<1	4.13	0.018	0.13	<0.1	0.14	11.8	<0.1	<0.05	10	<0.5	<0.2
BM11-JF 175	Soil	20	0.45	294	0.023	1	3.23	0.017	0.10	<0.1	0.12	8.9	<0.1	0.09	8	<0.5	<0.2
BM11-JF 176	Soil	18	0.43	273	0.026	1	2.88	0.017	0.09	<0.1	0.14	7.8	<0.1	0.10	7	<0.5	<0.2
BM11-JF 177	Soil	21	0.46	279	0.036	<1	3.16	0.018	0.11	<0.1	0.11	9.6	<0.1	0.07	8	<0.5	<0.2
BM11-JF 178	Soil	8	0.17	178	0.075	1	1.29	0.025	0.05	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 179	Soil	7	0.16	176	0.074	2	1.29	0.019	0.05	<0.1	0.01	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-JF 180	Soil		0.4	6.3	6.2	75	<0.1	5.9	3.3	394	1.26	3.8	<0.5	1.1	20	0.1	0.1	0.1	28	0.18	0.265	5
BM11-JF 181	Soil		0.3	6.1	6.1	73	<0.1	5.7	3.3	357	1.19	3.8	0.6	1.0	19	0.1	0.1	<0.1	27	0.18	0.237	5
BM11-JF 182	Soil		0.6	8.4	6.6	61	<0.1	5.9	5.1	623	1.71	3.7	<0.5	0.8	59	<0.1	0.2	0.1	37	0.36	0.123	6
BM11-JF 183	Soil		0.7	9.0	6.7	56	<0.1	6.3	5.0	551	1.77	4.4	0.7	0.8	69	<0.1	0.2	<0.1	39	0.40	0.100	7
BM11-JF 184	Soil		0.6	8.1	6.8	53	<0.1	5.7	4.1	911	1.48	2.1	0.7	0.5	26	0.1	0.2	<0.1	34	0.29	0.069	5
BM11-JF 185	Soil		0.6	8.6	6.4	49	<0.1	5.9	4.2	614	1.58	2.2	0.8	0.6	24	<0.1	0.2	<0.1	37	0.26	0.067	5
BM11-JF 186	Soil		0.5	7.6	5.8	48	<0.1	5.7	4.3	510	1.59	1.8	<0.5	0.8	23	<0.1	0.2	<0.1	38	0.23	0.060	5
BM11-JF 187	Soil		0.5	8.5	6.6	59	<0.1	7.5	4.5	393	1.56	2.1	<0.5	1.0	19	<0.1	0.2	<0.1	37	0.20	0.070	5
BM11-JF 188	Soil		0.6	9.8	6.2	52	<0.1	7.1	5.2	386	1.79	2.7	1.0	0.9	23	<0.1	0.2	<0.1	43	0.21	0.069	6
BM11-JF 189	Soil		0.5	7.9	5.4	60	<0.1	6.2	4.4	695	1.43	2.1	3.2	0.9	38	0.1	0.1	<0.1	32	0.24	0.100	5
BM11-JF 190	Soil		0.6	7.9	5.6	58	<0.1	7.2	4.3	460	1.50	2.3	<0.5	0.8	19	<0.1	0.1	0.1	34	0.26	0.116	5
BM11-JF 191	Soil		0.7	9.1	5.2	46	<0.1	5.7	4.0	521	1.48	1.9	0.9	0.7	20	<0.1	0.1	<0.1	37	0.19	0.044	6
BM11-JF 192	Soil		0.5	7.5	7.8	53	<0.1	5.0	5.1	567	1.64	2.7	0.6	0.7	126	<0.1	0.1	0.1	34	0.37	0.075	5
BM11-JF 193	Soil		0.3	11.1	8.1	57	<0.1	6.7	7.4	435	2.24	4.2	<0.5	1.0	185	<0.1	0.3	0.1	53	0.53	0.065	8
BM11-JF 194	Soil		0.4	11.9	7.5	54	<0.1	6.3	7.5	439	2.11	4.2	<0.5	1.0	186	<0.1	0.3	<0.1	50	0.54	0.059	8
BM11-JF 195	Soil		0.5	8.2	7.4	60	<0.1	5.5	5.0	309	1.66	1.8	<0.5	1.1	24	<0.1	0.2	<0.1	37	0.18	0.081	7
BM11-MP 74	Soil		0.6	8.6	5.8	61	<0.1	7.5	4.6	518	1.66	2.2	2.3	0.8	21	<0.1	0.2	<0.1	37	0.19	0.091	5
BM11-MP 75	Soil		0.6	7.8	6.0	55	<0.1	6.2	4.1	651	1.53	2.0	1.6	0.7	20	<0.1	0.2	<0.1	34	0.21	0.070	4
BM11-MP 76	Soil		0.6	5.7	4.4	32	<0.1	4.5	3.9	287	1.40	1.4	3.7	0.7	17	<0.1	0.2	<0.1	36	0.18	0.022	4
BM11-MP 77	Soil		0.3	5.7	4.5	40	<0.1	4.1	3.1	406	1.17	1.2	<0.5	0.5	19	<0.1	0.1	<0.1	27	0.18	0.031	4
BM11-MP 78	Soil		0.9	7.9	5.9	34	<0.1	4.8	4.6	616	1.53	1.8	<0.5	0.6	27	<0.1	0.2	<0.1	38	0.26	0.017	8
BM11-MP 79	Soil		0.3	5.2	4.8	36	<0.1	4.3	3.2	138	1.28	1.3	35.2	0.5	19	<0.1	0.1	<0.1	29	0.16	0.041	4
BM11-MP 80	Soil		0.4	4.9	5.0	43	<0.1	4.1	4.1	326	1.40	1.4	0.7	0.6	17	<0.1	0.2	<0.1	34	0.17	0.068	4
BM11-MP 81	Soil		0.5	10.3	4.8	54	<0.1	9.4	5.7	275	1.98	2.2	<0.5	0.7	23	<0.1	0.2	<0.1	50	0.22	0.092	4
BM11-MP 82	Soil		0.5	8.8	4.6	41	<0.1	6.6	4.7	267	1.75	2.6	<0.5	0.7	29	<0.1	0.2	<0.1	43	0.23	0.063	5
BM11-MP 83	Soil		0.3	7.6	4.7	32	<0.1	5.4	3.9	134	1.52	1.4	0.6	0.6	26	<0.1	0.2	<0.1	36	0.24	0.014	7
BM11-MP 84	Soil		0.4	16.6	5.5	46	<0.1	9.0	5.4	410	1.70	2.1	<0.5	1.0	39	0.1	0.2	<0.1	39	0.44	0.031	15
BM11-MP 85	Soil		0.4	9.5	5.0	33	<0.1	6.9	4.4	166	1.66	1.4	10.5	0.8	26	<0.1	0.2	<0.1	41	0.23	0.018	8
BM11-MP 86	Soil		0.6	9.7	5.9	52	<0.1	9.9	5.8	344	1.84	2.5	<0.5	1.0	22	<0.1	0.2	<0.1	43	0.20	0.103	5
BM11-MP 87	Soil		0.5	10.4	5.5	57	<0.1	10.0	5.3	509	1.71	1.6	<0.5	0.9	27	<0.1	0.1	<0.1	42	0.21	0.052	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method	Analyte	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
BM11-JF 180	Soil	7	0.16	196	0.075	2	1.24	0.018	0.04	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 181	Soil	7	0.15	193	0.070	1	1.14	0.022	0.05	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 182	Soil	10	0.24	172	0.070	1	1.82	0.017	0.10	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JF 183	Soil	9	0.25	164	0.073	1	1.85	0.017	0.09	<0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11-JF 184	Soil	10	0.21	161	0.044	<1	1.15	0.014	0.08	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 185	Soil	10	0.23	139	0.046	<1	1.28	0.015	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 186	Soil	10	0.22	116	0.050	<1	1.20	0.013	0.09	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 187	Soil	10	0.19	125	0.061	<1	1.53	0.020	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 188	Soil	11	0.25	117	0.047	<1	1.54	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 189	Soil	8	0.18	148	0.072	1	1.58	0.014	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 190	Soil	10	0.18	119	0.057	1	1.20	0.016	0.06	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 191	Soil	10	0.16	127	0.056	<1	1.00	0.011	0.05	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 192	Soil	7	0.25	339	0.108	<1	1.89	0.012	0.09	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11-JF 193	Soil	8	0.45	161	0.188	1	3.10	0.016	0.10	0.1	0.03	4.0	<0.1	<0.05	11	<0.5	<0.2
BM11-JF 194	Soil	7	0.44	162	0.182	1	3.03	0.015	0.10	0.1	0.03	4.3	<0.1	<0.05	10	<0.5	<0.2
BM11-JF 195	Soil	7	0.21	77	0.120	1	2.10	0.015	0.04	0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 74	Soil	10	0.20	138	0.053	1	1.35	0.010	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 75	Soil	9	0.18	148	0.048	<1	1.28	0.009	0.07	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 76	Soil	9	0.15	75	0.055	<1	0.76	0.010	0.05	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 77	Soil	7	0.13	96	0.058	<1	0.82	0.011	0.07	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 78	Soil	9	0.18	109	0.057	<1	0.85	0.011	0.07	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 79	Soil	8	0.14	83	0.059	<1	0.97	0.011	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 80	Soil	8	0.14	106	0.059	<1	0.92	0.009	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 81	Soil	15	0.30	111	0.090	<1	1.30	0.011	0.05	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 82	Soil	11	0.20	124	0.067	<1	1.09	0.010	0.08	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 83	Soil	10	0.20	62	0.075	<1	1.03	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 84	Soil	13	0.34	106	0.081	1	1.35	0.017	0.08	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 85	Soil	12	0.23	72	0.090	<1	1.08	0.012	0.05	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 86	Soil	13	0.26	113	0.078	<1	1.51	0.011	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 87	Soil	14	0.28	124	0.083	<1	1.54	0.013	0.06	<0.1	0.01	2.4	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method Analyte	Unit	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	%	%	ppm
BM11-MP 88	Soil	0.6	9.6	5.7	61	<0.1	8.1	5.3	372	1.69	2.3	<0.5	0.9	22	<0.1	0.2	<0.1	42	0.17	0.090	5
BM11-MP 89	Soil	0.5	11.8	5.1	55	<0.1	11.4	6.1	414	1.89	2.2	<0.5	0.9	35	<0.1	0.2	<0.1	47	0.27	0.086	5
BM11-MP 90	Soil	0.5	7.1	4.4	57	<0.1	8.8	3.7	612	1.40	1.3	3.6	0.7	25	<0.1	0.1	<0.1	34	0.18	0.070	4
BM11-MP 91	Soil	0.4	7.6	5.1	47	<0.1	9.1	5.0	596	1.61	1.8	<0.5	0.7	30	<0.1	0.1	<0.1	40	0.24	0.062	4
BM11-MP 92	Soil	0.5	12.7	5.3	40	<0.1	7.8	5.5	433	2.08	3.6	18.9	1.0	52	<0.1	0.3	<0.1	55	0.32	0.051	7
BM11-MP 93	Soil	0.6	8.0	4.9	54	<0.1	6.4	4.3	514	1.67	1.6	<0.5	0.7	43	0.2	0.2	<0.1	46	0.36	0.047	5
BM11-MP 94	Soil	0.6	8.8	5.3	58	<0.1	7.9	5.1	330	1.79	2.6	<0.5	0.9	27	<0.1	0.2	<0.1	44	0.19	0.100	5
BM11-MP 95	Soil	0.5	9.0	4.9	55	<0.1	6.9	4.9	511	1.68	2.9	<0.5	0.8	33	0.1	0.2	<0.1	42	0.24	0.102	5
BM11-MP 96	Soil	0.6	10.0	5.8	57	<0.1	7.8	5.5	414	1.84	2.8	<0.5	0.8	30	0.1	0.2	<0.1	48	0.26	0.071	5
BM11-MP 97	Soil	0.6	12.2	5.0	54	<0.1	8.9	6.1	279	2.15	2.8	1.1	1.0	38	0.1	0.3	<0.1	58	0.32	0.062	5
BM11-MP 98	Soil	0.5	11.9	5.3	66	0.1	8.2	5.7	505	1.89	2.4	0.7	0.9	36	<0.1	0.2	<0.1	48	0.32	0.084	6
BM11-MP 99	Soil	0.6	27.3	5.4	51	<0.1	10.9	6.9	343	2.74	5.6	1.3	1.7	74	<0.1	0.3	<0.1	71	0.62	0.073	13
BM11-MP 100	Soil	0.2	13.5	7.2	56	<0.1	4.0	4.3	309	2.29	3.1	0.9	1.7	2165	<0.1	0.3	0.1	33	1.66	0.062	17
BM11-S13	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MP 101	Soil	0.5	5.8	5.4	49	<0.1	7.2	3.9	596	1.41	1.7	<0.5	0.5	34	<0.1	0.1	<0.1	37	0.23	0.030	4
BM11-MP 102	Soil	0.6	9.5	4.6	43	<0.1	8.1	5.5	375	1.90	2.1	2.3	0.7	31	<0.1	0.2	0.1	56	0.25	0.046	6
BM11-MP 103	Soil	0.5	7.9	5.9	65	<0.1	8.5	4.7	552	1.35	2.6	0.8	0.7	22	0.1	0.1	0.1	35	0.23	0.103	4
BM11-MP 104	Soil	0.5	9.7	5.4	63	<0.1	8.4	5.7	434	1.81	2.8	<0.5	1.0	15	<0.1	0.2	0.1	49	0.16	0.110	5
BM11-MP 105	Soil	0.7	9.8	5.7	60	<0.1	9.2	6.9	279	2.07	2.7	1.0	0.9	20	<0.1	0.2	<0.1	56	0.21	0.083	5
BM11-MP 106	Soil	0.6	11.4	6.2	76	<0.1	8.5	6.0	594	1.88	3.4	<0.5	1.1	25	<0.1	0.1	0.1	44	0.26	0.154	5
BM11-MP 107	Soil	0.7	9.6	6.1	61	<0.1	7.7	5.6	771	1.82	2.8	3.5	0.8	21	0.1	0.2	0.1	43	0.26	0.084	5
BM11-MP 107D	Soil	0.5	8.0	6.2	49	<0.1	6.6	4.7	683	1.57	2.9	1.0	0.7	20	<0.1	0.2	0.1	38	0.25	0.082	4
BM11-MP 108	Soil	0.6	8.2	5.8	54	<0.1	16.8	4.1	683	1.45	2.7	<0.5	0.6	20	0.1	0.2	<0.1	37	0.26	0.087	4
BM11-MP 109	Soil	0.6	5.7	4.8	56	<0.1	5.0	3.7	558	1.39	1.5	2.5	0.5	16	<0.1	0.2	<0.1	36	0.18	0.046	5
BM11-MP 110	Soil	0.5	6.2	6.1	74	0.1	6.3	4.3	988	1.46	2.6	69.7	0.6	18	0.1	0.1	<0.1	36	0.22	0.100	4
BM11-MP 111	Soil	1.0	16.7	5.1	42	<0.1	7.9	6.2	344	2.67	5.4	16.0	1.3	34	<0.1	0.4	<0.1	67	0.31	0.031	10
BM11-MP 112	Soil	0.9	22.9	6.5	51	<0.1	10.5	8.6	624	2.79	7.2	8.7	1.5	47	<0.1	0.4	<0.1	67	0.46	0.067	14
BM11-MP 113	Soil	0.6	6.7	5.3	60	<0.1	5.7	3.8	564	1.45	2.0	<0.5	0.7	18	<0.1	0.1	<0.1	36	0.18	0.060	4
BM11-MP 114	Soil	0.4	4.4	4.2	39	<0.1	4.2	3.1	313	1.27	1.2	0.8	0.6	17	<0.1	0.1	<0.1	33	0.16	0.047	4
BM11-MP 115	Soil	0.5	5.9	4.4	39	<0.1	5.5	3.8	389	1.48	1.4	1.2	0.7	19	<0.1	0.2	<0.1	39	0.18	0.023	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	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	0.1	0.05	1	0.5	0.2
BM11-MP 88	Soil	12	0.20	106	0.072	<1	1.28	0.010	0.06	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 89	Soil	15	0.27	113	0.085	<1	1.50	0.010	0.06	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 90	Soil	11	0.18	106	0.081	<1	1.16	0.011	0.08	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 91	Soil	12	0.20	121	0.084	1	1.20	0.010	0.07	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 92	Soil	14	0.30	123	0.092	<1	1.08	0.009	0.11	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 93	Soil	13	0.20	118	0.103	<1	0.90	0.009	0.12	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 94	Soil	12	0.21	115	0.073	<1	1.25	0.012	0.07	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 95	Soil	11	0.19	142	0.073	<1	1.07	0.010	0.07	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 96	Soil	12	0.24	137	0.080	<1	1.18	0.012	0.07	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 97	Soil	15	0.30	118	0.102	1	1.15	0.011	0.09	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 98	Soil	13	0.28	140	0.084	1	1.22	0.012	0.09	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 99	Soil	22	0.47	151	0.098	<1	1.47	0.028	0.08	<0.1	0.04	5.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 100	Soil	6	0.53	805	0.029	<1	3.78	0.019	0.24	<0.1	0.08	4.8	<0.1	<0.05	7	<0.5	<0.2
BM11-S13	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MP 101	Soil	10	0.17	129	0.072	<1	1.25	0.012	0.05	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 102	Soil	14	0.23	114	0.091	2	1.11	0.012	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 103	Soil	10	0.15	101	0.074	2	1.26	0.013	0.06	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 104	Soil	13	0.20	101	0.080	2	1.31	0.013	0.06	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 105	Soil	15	0.27	110	0.080	<1	1.29	0.014	0.07	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 106	Soil	11	0.25	181	0.079	2	1.67	0.012	0.09	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 107	Soil	12	0.24	189	0.051	<1	1.50	0.010	0.08	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 107D	Soil	9	0.20	135	0.051	1	1.52	0.011	0.08	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 108	Soil	20	0.17	185	0.055	2	1.15	0.010	0.07	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 109	Soil	9	0.15	120	0.048	<1	0.87	0.010	0.07	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 110	Soil	9	0.16	184	0.054	1	1.18	0.014	0.07	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 111	Soil	16	0.34	136	0.082	1	1.10	0.013	0.08	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 112	Soil	18	0.41	150	0.087	1	1.25	0.014	0.09	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 113	Soil	9	0.14	147	0.056	<1	1.10	0.010	0.07	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 114	Soil	7	0.12	158	0.043	1	0.93	0.011	0.06	<0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 115	Soil	9	0.15	156	0.057	<1	0.98	0.011	0.08	<0.1	<0.01	1.3	<0.1	<0.05	3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	0.1	2	0.01	0.001	1
BM11-MP 116	Soil	0.4	6.7	4.9	67	0.1	6.3	4.1	513	1.53	2.3	0.7	0.8	17	<0.1	0.2	<0.1	39	0.17	0.064	4
BM11-MP 117	Soil	0.6	6.2	4.8	77	0.1	5.2	3.7	481	1.41	2.2	<0.5	0.8	16	0.1	0.2	<0.1	35	0.16	0.121	4
BM11-MP 118	Soil	0.9	22.8	6.7	50	0.1	11.5	8.7	638	2.65	6.7	3.6	1.5	64	<0.1	0.4	<0.1	62	0.65	0.081	18
BM11-MP 119	Soil	1.0	11.2	6.8	42	<0.1	8.0	7.7	392	2.14	4.4	<0.5	0.8	56	0.2	0.3	<0.1	55	0.41	0.016	7
BM11-MP 120	Soil	0.4	6.3	8.4	78	<0.1	4.6	4.4	605	1.50	2.9	<0.5	0.8	41	0.2	0.4	<0.1	34	0.64	0.172	12
BM11-MP 121	Soil	0.6	10.1	5.7	52	<0.1	7.6	5.1	234	1.90	3.3	<0.5	1.0	22	<0.1	0.2	<0.1	49	0.22	0.059	6
BM11-MP 122	Soil	0.3	5.1	6.7	54	0.1	4.3	3.4	347	1.34	1.7	<0.5	1.2	40	0.1	0.2	0.1	32	0.24	0.098	8
BM11-MP 123A	Soil	0.6	8.8	7.3	55	<0.1	8.5	5.7	633	1.98	3.3	<0.5	0.9	26	<0.1	0.2	0.1	47	0.26	0.111	6
BM11-MP 123B	Soil	0.4	6.8	6.0	54	<0.1	5.9	5.4	713	1.76	2.2	<0.5	0.8	37	0.2	0.2	<0.1	43	0.34	0.070	5
BM11-MP 124	Soil	0.5	7.0	5.9	51	<0.1	5.4	5.5	663	1.73	2.3	<0.5	0.7	36	0.1	0.2	<0.1	43	0.33	0.058	5
BM11-MP 125	Soil	0.5	9.5	6.4	86	<0.1	6.8	6.1	1169	1.87	2.4	<0.5	0.9	48	0.2	0.1	<0.1	45	0.45	0.164	7
BM11-MP 126	Soil	0.3	7.6	4.3	59	<0.1	6.4	4.5	530	1.41	1.8	0.7	0.6	21	<0.1	<0.1	<0.1	34	0.30	0.088	4
BM11-MP 127	Soil	0.6	5.5	5.6	56	<0.1	4.6	3.8	663	1.33	1.8	<0.5	0.7	18	<0.1	0.2	<0.1	33	0.25	0.101	5
BM11-MP 128	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.
BM11-MP 129	Soil	0.9	13.6	5.2	45	<0.1	5.7	6.2	511	2.07	4.0	4.2	1.0	35	0.1	0.3	<0.1	54	0.40	0.040	10
BM11-MP 130	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.
BM11-MP 131	Soil	0.4	10.2	6.0	50	<0.1	7.3	5.4	593	1.90	2.5	<0.5	1.1	22	<0.1	0.2	<0.1	38	0.45	0.068	10
BM11-MP 132	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.
BM11-MP 133	Soil	0.3	4.8	4.9	55	<0.1	4.8	3.0	211	1.06	1.5	0.9	0.6	19	<0.1	0.1	<0.1	28	0.24	0.083	3
BM11-MP 134	Soil	0.6	10.3	4.6	40	<0.1	7.4	4.7	210	1.87	2.8	3.9	0.9	18	<0.1	0.2	<0.1	49	0.20	0.045	5
BM11-MP 135	Soil	0.5	8.2	4.9	32	<0.1	4.9	4.4	234	1.68	1.9	0.6	0.9	28	<0.1	0.2	<0.1	44	0.36	0.023	8
BM11-JC 121	Soil	0.7	11.1	5.7	47	<0.1	7.6	5.2	399	1.94	1.9	1.5	0.9	26	<0.1	0.3	0.2	53	0.24	0.028	8
BM11-JC 122	Soil	0.7	7.9	6.2	50	<0.1	6.8	4.9	530	1.74	2.1	1.6	0.9	21	<0.1	0.2	0.1	41	0.23	0.061	5
BM11-JC 123	Soil	0.6	7.9	5.9	73	<0.1	7.3	5.2	838	1.73	2.0	<0.5	0.8	30	0.1	0.2	0.1	46	0.28	0.069	6
BM11-JC 124	Soil	0.6	7.6	5.3	50	<0.1	5.6	4.4	369	1.50	1.7	2.2	0.6	20	<0.1	0.2	<0.1	39	0.19	0.048	6
BM11-JC 125	Soil	0.4	6.1	4.5	41	<0.1	3.8	3.0	168	1.31	1.0	2.1	0.7	18	<0.1	0.2	<0.1	34	0.21	0.029	7
BM11-JC 126	Soil	0.3	7.6	4.1	31	<0.1	4.1	3.3	326	1.24	1.3	1.2	0.5	26	<0.1	0.2	<0.1	32	0.28	0.019	13
BM11-JC 127	Soil	0.5	5.8	4.5	43	<0.1	4.8	3.5	462	1.23	1.0	3.9	0.5	18	<0.1	0.1	<0.1	34	0.18	0.025	8
BM11-JC 128	Soil	0.5	5.4	4.4	39	<0.1	4.6	3.3	332	1.22	0.8	0.7	0.5	17	<0.1	0.1	<0.1	34	0.17	0.022	6
BM11-JC 129	Soil	0.4	7.4	4.8	42	<0.1	5.4	4.0	328	1.43	1.1	1.7	0.6	21	<0.1	0.1	<0.1	38	0.22	0.025	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-MP 116	Soil			9	0.16	164	0.059	<1	1.03	0.013	0.05	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 117	Soil			9	0.13	174	0.055	2	0.97	0.015	0.05	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 118	Soil			19	0.50	188	0.085	2	1.43	0.022	0.10	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MP 119	Soil			13	0.32	105	0.070	2	1.75	0.015	0.06	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 120	Soil			6	0.21	92	0.113	3	1.59	0.014	0.10	0.2	0.04	2.8	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 121	Soil			12	0.24	116	0.071	1	1.47	0.011	0.06	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 122	Soil			5	0.16	89	0.110	2	1.83	0.022	0.06	0.1	0.03	1.9	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 123A	Soil			11	0.27	119	0.081	1	2.37	0.011	0.06	0.1	0.04	2.2	<0.1	<0.05	9	<0.5	<0.2
BM11-MP 123B	Soil			9	0.27	158	0.104	<1	1.77	0.015	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 124	Soil			9	0.26	143	0.110	<1	1.65	0.013	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 125	Soil			9	0.27	194	0.120	2	2.22	0.012	0.10	<0.1	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 126	Soil			8	0.18	139	0.066	2	1.63	0.017	0.08	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11-MP 127	Soil			7	0.15	160	0.061	1	1.07	0.014	0.08	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 128	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.
BM11-MP 129	Soil			12	0.27	99	0.075	2	0.97	0.018	0.07	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 130	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.
BM11-MP 131	Soil			11	0.25	117	0.057	2	2.49	0.018	0.06	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	<0.2
BM11-MP 132	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.
BM11-MP 133	Soil			6	0.12	108	0.063	2	0.79	0.014	0.05	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 134	Soil			11	0.21	109	0.073	1	1.27	0.012	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-MP 135	Soil			10	0.21	69	0.062	2	1.30	0.034	0.10	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 121	Soil			13	0.29	111	0.086	2	1.25	0.013	0.07	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 122	Soil			10	0.22	141	0.065	<1	1.51	0.013	0.09	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 123	Soil			11	0.22	164	0.079	1	1.35	0.012	0.10	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 124	Soil			10	0.20	106	0.060	2	1.13	0.013	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 125	Soil			9	0.15	67	0.060	1	0.78	0.012	0.07	<0.1	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 126	Soil			9	0.16	69	0.058	1	0.82	0.015	0.09	<0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 127	Soil			8	0.15	82	0.057	<1	0.98	0.015	0.07	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 128	Soil			8	0.14	67	0.057	<1	0.84	0.016	0.06	<0.1	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
BM11-JC 129	Soil			10	0.19	98	0.060	<1	1.05	0.015	0.05	<0.1	<0.01	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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		
				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
BM11-JC 130	Soil			0.6	8.2	5.5	53	<0.1	7.7	5.0	499	1.69	1.9	<0.5	0.8	17	<0.1	0.2	<0.1	42	0.19	0.068	5
BM11-JC 131	Soil			0.4	8.9	6.3	79	0.1	9.5	4.9	515	1.57	2.6	<0.5	0.9	29	0.1	0.1	<0.1	36	0.31	0.108	5
BM11-JC 132	Soil			0.5	8.6	5.8	60	0.1	8.1	5.1	382	1.78	2.6	<0.5	1.0	19	<0.1	0.2	<0.1	47	0.18	0.073	5
BM11-JC 133	Soil			0.6	9.4	5.8	49	<0.1	6.2	4.8	364	1.78	2.3	4.7	0.8	23	<0.1	0.2	<0.1	48	0.23	0.038	9
BM11-JC 134	Soil			0.7	8.1	6.0	58	0.1	6.1	4.7	564	1.64	2.1	1.7	0.9	20	<0.1	0.2	<0.1	40	0.22	0.090	9
BM11-JC 135	Soil			0.5	23.2	5.7	46	0.2	10.7	6.0	558	2.20	3.1	2.1	1.0	37	<0.1	0.2	<0.1	45	0.43	0.038	28
BM11-JC 136	Soil			0.6	17.9	5.9	35	0.2	8.9	6.0	523	2.09	2.9	4.4	0.9	40	<0.1	0.3	<0.1	47	0.47	0.030	34
BM11-JC 137	Soil			0.9	9.6	5.5	39	<0.1	6.9	5.0	294	1.70	1.8	1.6	0.7	24	<0.1	0.2	<0.1	44	0.29	0.019	9
BM11-JC 138	Soil			0.8	11.7	5.9	50	<0.1	7.8	6.0	579	2.05	3.9	1.8	0.8	37	0.1	0.2	0.1	51	0.34	0.062	8
BM11-JC 139	Soil			0.8	12.3	6.1	53	<0.1	8.0	6.1	584	2.10	4.1	1.2	0.8	36	<0.1	0.3	<0.1	55	0.34	0.067	8
BM11-JC 140	Soil			0.6	8.6	5.5	56	<0.1	6.8	5.5	376	1.78	2.2	<0.5	0.9	32	<0.1	0.2	<0.1	46	0.24	0.110	5
BM11-JC 141	Soil			0.6	8.0	5.7	57	<0.1	6.9	5.4	381	1.76	2.3	<0.5	0.9	31	<0.1	0.2	<0.1	44	0.23	0.099	5
BM11-JC 142	Soil			0.5	7.9	5.4	40	<0.1	6.1	5.3	434	1.76	2.0	7.2	0.8	23	<0.1	0.2	<0.1	44	0.26	0.045	6
BM11-JC 143	Soil			0.6	7.7	6.1	65	<0.1	6.8	5.0	845	1.65	2.0	2.9	0.9	20	0.1	0.2	<0.1	38	0.26	0.089	4
BM11-JC 144	Soil			0.5	8.7	6.2	73	<0.1	8.8	5.1	727	1.63	2.4	0.6	0.7	21	<0.1	0.2	<0.1	39	0.25	0.100	5
BM11-JC 145	Soil			0.4	7.8	5.3	49	<0.1	6.5	5.2	479	1.74	2.1	<0.5	0.7	41	<0.1	0.2	<0.1	49	0.31	0.039	5
BM11-JC 146	Soil			0.4	7.2	4.9	49	<0.1	6.4	4.8	564	1.55	1.4	<0.5	0.7	28	<0.1	0.1	<0.1	41	0.25	0.042	4
BM11-JC 147	Soil			0.4	9.1	4.9	52	<0.1	7.5	5.1	381	1.77	2.1	<0.5	0.8	39	<0.1	0.2	<0.1	51	0.26	0.053	6
BM11-JC 148	Soil			0.5	7.3	5.8	55	<0.1	6.4	4.5	688	1.49	1.7	32.1	0.6	48	0.2	0.2	<0.1	41	0.44	0.040	7
BM11-JC 149	Soil			0.5	11.3	5.1	56	<0.1	8.4	6.2	332	2.15	2.8	<0.5	0.9	37	<0.1	0.2	<0.1	62	0.28	0.064	6
BM11-JC 150	Soil			0.5	10.6	5.1	49	<0.1	7.6	5.5	415	1.85	2.2	0.6	0.8	40	<0.1	0.2	<0.1	56	0.34	0.033	7
BM11-S12	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 166	Soil			0.4	8.9	4.7	41	<0.1	5.0	3.9	330	1.49	1.6	6.1	0.6	31	<0.1	0.2	<0.1	41	0.27	0.023	5
BM11-MK 167	Soil			0.4	7.9	5.2	50	<0.1	6.4	5.0	299	1.84	2.0	<0.5	0.8	43	<0.1	0.2	<0.1	55	0.27	0.037	5
BM11-MK 168	Soil			0.5	11.2	5.9	52	<0.1	7.2	6.9	463	2.20	3.7	<0.5	0.9	55	<0.1	0.2	<0.1	69	0.40	0.047	6
BM11-MK 169	Soil			0.6	9.1	5.1	52	<0.1	6.3	5.4	359	1.80	2.6	0.8	0.8	31	0.1	0.2	<0.1	49	0.25	0.065	5
BM11-MK 170	Soil			0.4	9.6	5.6	47	<0.1	7.6	5.5	383	1.98	2.9	<0.5	0.8	34	<0.1	0.2	<0.1	53	0.27	0.054	5
BM11-MK 171	Soil			0.7	10.3	7.3	67	<0.1	6.5	5.6	1077	1.79	3.2	0.8	0.6	53	0.2	0.2	0.1	47	0.52	0.091	7
BM11-MK 172	Soil			0.6	15.9	5.9	56	<0.1	9.1	8.3	576	3.01	5.3	6.6	1.3	94	<0.1	0.4	0.1	85	0.54	0.043	9
BM11-MK 173	Soil			0.5	10.9	5.4	48	<0.1	7.7	6.2	387	2.06	3.5	<0.5	0.9	38	<0.1	0.2	<0.1	53	0.27	0.073	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-JC 130	Soil			11	0.20	151	0.058	<1	1.35	0.012	0.06	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 131	Soil			10	0.18	182	0.066	1	1.64	0.016	0.07	<0.1	0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 132	Soil			12	0.20	142	0.060	<1	1.37	0.013	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 133	Soil			12	0.22	110	0.060	<1	1.12	0.014	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 134	Soil			10	0.17	147	0.054	<1	1.30	0.012	0.06	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 135	Soil			16	0.34	184	0.053	1	2.08	0.019	0.09	<0.1	0.03	5.5	<0.1	<0.05	6	<0.5	<0.2
BM11-JC 136	Soil			15	0.31	172	0.048	<1	1.79	0.018	0.08	<0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 137	Soil			12	0.22	106	0.067	<1	1.16	0.014	0.09	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 138	Soil			12	0.28	135	0.075	1	1.30	0.012	0.10	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 139	Soil			13	0.29	133	0.075	<1	1.33	0.021	0.10	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 140	Soil			10	0.23	138	0.083	<1	1.59	0.013	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 141	Soil			10	0.22	135	0.086	<1	1.53	0.013	0.09	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 142	Soil			12	0.22	102	0.075	<1	1.04	0.016	0.06	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 143	Soil			11	0.20	135	0.058	<1	1.35	0.013	0.07	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 144	Soil			11	0.21	136	0.059	<1	1.39	0.012	0.06	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 145	Soil			11	0.23	144	0.099	<1	1.14	0.012	0.07	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 146	Soil			10	0.21	96	0.091	<1	1.06	0.014	0.08	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 147	Soil			12	0.25	117	0.118	<1	1.35	0.014	0.08	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 148	Soil			10	0.21	137	0.103	<1	1.14	0.012	0.10	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 149	Soil			14	0.31	106	0.108	<1	1.45	0.012	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JC 150	Soil			13	0.29	91	0.125	<1	1.25	0.014	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11-S12	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 166	Soil			9	0.19	107	0.093	<1	0.96	0.013	0.10	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 167	Soil			12	0.23	124	0.121	<1	1.20	0.012	0.08	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 168	Soil			14	0.34	110	0.148	<1	1.23	0.014	0.08	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 169	Soil			11	0.22	119	0.080	<1	1.18	0.011	0.08	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 170	Soil			12	0.23	140	0.084	<1	1.33	0.010	0.09	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 171	Soil			10	0.26	193	0.075	1	1.29	0.012	0.12	<0.1	0.06	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 172	Soil			17	0.53	169	0.139	1	1.54	0.026	0.11	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 173	Soil			12	0.29	143	0.074	1	1.35	0.012	0.09	<0.1	0.02	2.4	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-MK 174	Soil		0.5	9.0	5.1	56	<0.1	8.6	5.5	363	1.86	2.3	1.7	0.7	26	<0.1	0.2	0.1	51	0.25	0.054	5
BM11-MK 175	Soil		0.5	11.0	4.9	41	<0.1	7.0	6.5	407	2.17	3.3	4.0	1.1	54	<0.1	0.3	<0.1	56	0.42	0.053	7
BM11-MK 176	Soil		0.4	9.0	4.7	60	<0.1	7.9	5.3	351	2.07	2.7	<0.5	0.9	33	0.1	0.2	<0.1	55	0.30	0.056	5
BM11-MK 177	Soil		0.6	16.9	5.6	45	<0.1	8.6	8.0	344	2.54	4.6	1.2	1.2	50	<0.1	0.4	<0.1	70	0.35	0.038	8
BM11-MK 178	Soil		0.5	12.8	4.9	58	<0.1	7.7	5.9	370	2.42	5.3	3.4	1.1	113	<0.1	0.3	<0.1	73	0.43	0.063	8
BM11-MK 179	Soil		0.4	12.3	5.0	55	<0.1	7.2	6.2	347	2.29	3.6	<0.5	0.9	99	<0.1	0.3	<0.1	71	0.44	0.039	11
BM11-MK 180	Soil		0.4	16.3	5.4	54	<0.1	8.1	6.4	395	2.28	3.8	0.8	1.1	114	0.1	0.3	<0.1	62	0.62	0.032	12
BM11-MK 181	Soil		0.6	12.3	5.2	51	<0.1	7.1	7.3	379	2.29	4.8	0.8	1.1	107	0.1	0.3	<0.1	68	0.47	0.064	6
BM11-MK 182	Soil		0.4	19.7	5.5	52	0.1	8.9	6.4	538	2.28	4.0	<0.5	1.1	76	0.1	0.3	0.1	54	0.76	0.045	18
BM11-MK 183	Soil		0.5	9.0	5.9	51	<0.1	7.6	5.3	633	1.90	2.1	2.2	0.8	27	<0.1	0.2	0.1	52	0.25	0.049	6
BM11-MK 184	Soil		0.7	16.9	5.3	75	<0.1	24.0	10.4	639	3.49	3.3	0.6	1.3	87	<0.1	0.2	<0.1	121	0.77	0.069	13
BM11-MK 185	Soil		0.6	16.1	5.6	51	<0.1	8.4	7.0	418	2.49	5.0	0.7	1.3	83	<0.1	0.4	<0.1	72	0.56	0.061	11
BM11-MK 186	Soil		0.5	8.9	4.8	44	<0.1	7.1	4.8	252	2.06	2.3	3.6	1.0	34	<0.1	0.2	<0.1	55	0.26	0.024	5
BM11-MK 187	Soil		0.6	10.7	4.9	39	<0.1	7.3	5.4	247	2.33	3.3	0.7	1.1	38	<0.1	0.3	<0.1	68	0.29	0.023	6
BM11-MK 188	Soil		0.6	10.4	5.6	66	<0.1	9.8	5.4	484	1.86	2.9	0.5	1.0	23	<0.1	0.2	<0.1	45	0.26	0.095	5
BM11-MK 189	Soil		0.7	8.9	5.8	65	<0.1	8.9	5.1	690	1.65	2.1	<0.5	1.0	21	<0.1	0.2	<0.1	39	0.22	0.094	5
BM11-MK 190	Soil		0.7	13.1	5.0	46	<0.1	9.3	6.0	320	2.42	3.9	2.5	1.0	34	<0.1	0.3	<0.1	66	0.31	0.054	5
BM11-MK 191	Soil		0.6	12.9	5.5	47	<0.1	8.4	5.8	360	2.35	3.9	<0.5	1.1	34	<0.1	0.3	<0.1	65	0.28	0.044	6
BM11-MK 192	Soil		0.5	14.7	6.0	48	<0.1	8.0	7.3	396	2.34	4.9	0.8	1.3	36	<0.1	0.3	<0.1	59	0.25	0.055	8
BM11-MK 193	Soil		0.8	12.0	5.6	52	<0.1	8.1	6.0	346	2.27	4.2	0.9	1.0	32	<0.1	0.3	<0.1	58	0.25	0.063	5
BM11-MK 194	Soil		0.6	12.9	5.3	39	<0.1	8.9	5.8	220	2.37	3.9	<0.5	1.0	35	<0.1	0.3	<0.1	66	0.28	0.052	5
BM11-MK 195	Soil		0.4	45.6	7.3	51	0.5	21.3	9.4	836	3.06	4.5	21.2	1.4	79	0.3	0.3	0.1	55	1.06	0.050	46
BM11-MK 196	Soil		0.5	12.5	6.6	59	<0.1	8.0	5.9	532	1.75	3.2	1.2	0.6	36	0.3	0.1	0.1	39	0.45	0.109	5
BM11-MK 197	Soil		0.6	9.9	7.3	84	<0.1	7.3	6.6	1109	1.99	3.3	<0.5	0.7	42	0.4	0.2	<0.1	49	0.44	0.105	5
BM11-MK 198	Soil		0.6	13.7	5.0	62	0.1	10.1	6.6	356	2.39	4.1	<0.5	1.0	28	0.1	0.3	<0.1	62	0.28	0.062	5
BM11-MK 199	Soil		0.6	10.0	6.3	94	0.1	7.7	5.7	1291	1.81	4.0	1.3	0.9	34	0.2	0.2	<0.1	43	0.41	0.126	5
BM11-MK 200	Soil		0.6	11.5	5.7	81	0.1	9.6	6.4	466	2.12	3.7	1.4	1.0	22	<0.1	0.2	<0.1	52	0.24	0.097	5
BM11-S11	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 201	Soil		0.5	8.6	5.4	83	<0.1	7.9	4.7	533	1.77	2.9	<0.5	0.9	25	0.1	0.2	<0.1	42	0.28	0.075	5
BM11-MK 202	Soil		0.6	13.1	5.7	40	0.2	7.0	4.9	325	1.72	2.7	13.3	0.8	39	<0.1	0.2	<0.1	42	0.46	0.018	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-MK 174	Soil	14	0.27	132	0.087	<1	1.19	0.012	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 175	Soil	13	0.36	119	0.099	2	1.01	0.019	0.12	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 176	Soil	14	0.28	138	0.102	1	1.03	0.012	0.11	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 177	Soil	18	0.41	106	0.104	1	1.13	0.015	0.10	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 178	Soil	15	0.37	126	0.159	<1	1.31	0.019	0.18	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 179	Soil	15	0.37	121	0.148	2	1.18	0.021	0.10	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 180	Soil	15	0.41	146	0.148	2	1.41	0.030	0.09	<0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 181	Soil	14	0.37	140	0.140	<1	1.25	0.020	0.15	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 182	Soil	13	0.39	127	0.092	1	1.64	0.024	0.10	<0.1	0.05	4.8	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 183	Soil	13	0.25	117	0.081	1	1.32	0.013	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 184	Soil	27	0.71	107	0.154	2	1.56	0.049	0.06	<0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 185	Soil	17	0.36	122	0.120	2	1.19	0.020	0.12	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 186	Soil	14	0.22	117	0.114	2	1.07	0.013	0.09	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 187	Soil	16	0.27	108	0.129	1	1.06	0.016	0.09	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 188	Soil	13	0.24	130	0.089	<1	1.65	0.014	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 189	Soil	11	0.19	137	0.080	1	1.63	0.014	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 190	Soil	15	0.30	147	0.095	<1	1.47	0.012	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 191	Soil	16	0.34	127	0.092	2	1.33	0.013	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 192	Soil	14	0.32	118	0.057	1	1.40	0.013	0.06	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 193	Soil	14	0.25	149	0.080	1	1.32	0.013	0.08	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 194	Soil	16	0.26	137	0.090	1	1.49	0.013	0.06	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 195	Soil	26	0.62	274	0.056	3	4.03	0.021	0.13	<0.1	0.06	10.1	<0.1	<0.05	10	0.6	<0.2
BM11-MK 196	Soil	11	0.20	148	0.066	2	1.47	0.015	0.06	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 197	Soil	12	0.23	222	0.066	2	1.36	0.012	0.12	<0.1	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 198	Soil	15	0.35	136	0.093	1	1.78	0.013	0.09	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 199	Soil	11	0.25	274	0.065	2	1.71	0.014	0.14	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 200	Soil	14	0.27	142	0.079	2	1.72	0.014	0.10	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11-S11	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11-MK 201	Soil	11	0.23	150	0.078	1	1.37	0.012	0.17	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 202	Soil	13	0.24	153	0.056	1	1.18	0.015	0.07	<0.1	0.03	2.7	<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.





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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 14, 2011

**Page:** 9 of 9 **Part** 1

# CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-MK 203	Soil			0.5	7.1	5.2	55	<0.1	4.7	3.5	160	1.53	2.5	6.3	0.6	18	<0.1	0.2	<0.1	36	0.30	0.066	6
BM11-MK 204	Soil			0.4	7.7	5.3	60	<0.1	6.4	4.1	298	1.68	3.6	<0.5	0.7	20	<0.1	0.2	<0.1	42	0.30	0.078	5
BM11-MK 205	Soil			0.6	7.5	5.6	63	0.1	5.7	4.6	535	1.76	3.4	2.1	0.7	20	0.1	0.2	<0.1	44	0.37	0.072	5
BM11-MK 206	Soil			0.6	21.1	5.1	50	0.2	9.1	5.7	479	2.13	2.6	79.4	1.3	30	0.2	0.2	0.1	42	0.48	0.033	29
BM11-MK 207	Soil			0.6	8.1	4.5	46	<0.1	6.4	3.9	271	1.62	3.0	1.6	0.7	18	<0.1	0.2	<0.1	39	0.20	0.066	5
BM11-MK 208	Soil			0.5	5.9	4.2	44	<0.1	4.3	3.1	375	1.32	1.9	1.6	0.6	18	<0.1	0.2	<0.1	32	0.22	0.063	5
BM11-MK 209	Soil			0.6	7.8	4.8	40	0.1	5.6	4.0	330	1.60	2.6	1.3	0.7	19	<0.1	0.2	<0.1	38	0.19	0.053	4
BM11-MK 210	Soil			0.5	6.3	5.6	61	<0.1	6.1	4.2	442	1.47	5.3	0.8	0.8	23	<0.1	0.2	<0.1	32	0.28	0.086	5
BM11-MK 211	Soil			0.7	10.8	5.8	51	<0.1	7.5	5.2	295	1.94	9.6	<0.5	0.8	18	<0.1	0.3	<0.1	42	0.32	0.074	7
BM11-MK 212	Soil			0.4	6.7	4.5	47	0.2	6.5	3.7	307	1.34	2.0	4.2	0.6	22	<0.1	0.1	<0.1	30	0.24	0.063	4
BM11-MK 213	Soil			0.6	6.0	4.6	70	<0.1	4.4	3.3	733	1.33	2.2	<0.5	0.6	14	0.1	0.2	<0.1	32	0.17	0.056	4
BM11-MK 214	Soil			0.8	9.7	5.0	77	<0.1	6.2	4.1	671	1.53	2.7	0.5	0.8	17	0.2	0.2	<0.1	37	0.24	0.089	5
BM11-MK 215	Soil			0.8	11.3	5.3	45	<0.1	7.0	5.3	460	1.75	3.0	0.8	0.7	19	0.1	0.2	<0.1	42	0.42	0.030	8
BM11-MK 216	Soil			0.5	8.9	5.0	62	<0.1	7.7	4.6	323	1.63	2.9	<0.5	0.9	15	<0.1	0.1	<0.1	37	0.16	0.138	4
BM11-MK 217	Soil			0.6	9.6	4.7	88	<0.1	5.4	4.4	2124	1.48	3.1	<0.5	0.7	45	0.3	0.2	<0.1	33	0.42	0.088	5
BM11-MK 218	Soil			1.1	14.4	4.7	48	0.1	6.6	7.5	342	2.28	10.7	<0.5	1.3	54	<0.1	0.3	<0.1	49	0.27	0.136	8
BM11-MK 219	Soil			0.4	7.6	4.9	81	<0.1	6.1	4.1	537	1.44	2.1	<0.5	0.8	21	0.1	0.1	<0.1	34	0.22	0.059	5
BM11-MK 220	Soil			0.6	11.3	4.7	68	<0.1	7.7	5.1	333	1.93	2.7	1.3	0.9	21	<0.1	0.2	<0.1	49	0.21	0.072	5
BM11-MK 221	Soil			0.5	7.3	5.1	51	<0.1	4.7	4.0	454	1.47	2.9	<0.5	0.6	19	0.1	0.1	<0.1	35	0.22	0.074	4
BM11-MK 222	Soil			0.5	5.4	4.5	64	<0.1	4.7	3.5	565	1.26	1.7	<0.5	0.6	18	0.2	0.1	<0.1	31	0.19	0.047	3
BM11-MK 223	Soil			0.6	7.5	4.4	48	<0.1	5.4	4.3	338	1.57	2.0	3.8	0.6	22	<0.1	0.1	<0.1	42	0.22	0.021	4
BM11-MK 224	Soil			0.4	9.9	5.1	98	<0.1	6.1	4.8	727	1.77	4.8	<0.5	0.9	32	0.2	0.1	<0.1	41	0.25	0.217	3
BM11-MK 225	Soil			0.4	6.9	5.3	60	<0.1	3.6	6.1	1177	1.86	4.5	<0.5	0.7	192	0.2	0.1	<0.1	41	1.13	0.094	9



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 9 of 9 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003754.1

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	
BM11-MK 203	Soil	9	0.15	117	0.043	1	0.98	0.011	0.06	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 204	Soil	10	0.19	158	0.049	<1	1.07	0.013	0.08	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 205	Soil	10	0.20	169	0.035	<1	0.93	0.010	0.07	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 206	Soil	14	0.28	158	0.045	1	1.63	0.011	0.10	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 207	Soil	9	0.20	123	0.042	<1	1.01	0.011	0.08	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 208	Soil	7	0.13	185	0.041	<1	0.71	0.009	0.07	<0.1	<0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 209	Soil	9	0.19	123	0.040	1	1.06	0.013	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 210	Soil	8	0.19	144	0.040	<1	1.52	0.011	0.06	<0.1	<0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 211	Soil	10	0.27	98	0.030	<1	2.32	0.010	0.06	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 212	Soil	8	0.16	161	0.038	<1	1.16	0.012	0.08	<0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 213	Soil	8	0.15	188	0.035	<1	0.89	0.009	0.06	<0.1	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
BM11-MK 214	Soil	9	0.18	183	0.046	<1	1.04	0.011	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 215	Soil	11	0.22	80	0.044	<1	1.26	0.013	0.07	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 216	Soil	11	0.19	161	0.055	<1	1.32	0.012	0.06	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 217	Soil	8	0.20	170	0.063	1	1.50	0.011	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 218	Soil	11	0.42	105	0.066	<1	3.08	0.009	0.06	0.1	0.07	3.5	<0.1	<0.05	8	<0.5	<0.2
BM11-MK 219	Soil	9	0.18	141	0.072	<1	1.53	0.013	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 220	Soil	13	0.26	131	0.068	1	1.30	0.012	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 221	Soil	7	0.19	113	0.041	<1	1.27	0.010	0.06	<0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 222	Soil	7	0.16	132	0.051	<1	1.11	0.016	0.07	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 223	Soil	10	0.20	145	0.055	<1	1.10	0.014	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 224	Soil	7	0.21	138	0.088	<1	2.16	0.015	0.08	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
BM11-MK 225	Soil	6	0.26	133	0.039	<1	3.53	0.023	0.14	<0.1	0.05	3.0	<0.1	<0.05	8	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 1 of 2 Part 1

# QUALITY CONTROL REPORT

VAN11003754.1

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																					
BM11-JF 125	Soil	0.7	13.3	6.1	38	0.1	7.0	4.3	273	1.58	5.3	1.0	0.7	26	<0.1	0.2	0.1	40	0.29	0.023	13
REP BM11-JF 125	QC	0.7	13.8	6.5	39	0.1	7.4	4.7	282	1.64	4.0	1.9	0.7	27	<0.1	0.2	<0.1	39	0.29	0.024	13
BM11-JF 139	Soil	0.6	9.1	6.3	40	<0.1	5.7	4.3	604	1.50	3.3	1.2	0.7	42	<0.1	0.2	<0.1	41	0.43	0.046	11
REP BM11-JF 139	QC	0.6	8.7	6.3	41	<0.1	5.8	4.4	604	1.55	3.6	1.2	0.7	42	<0.1	0.2	<0.1	41	0.44	0.048	11
BM11-JF 161	Soil	0.6	13.3	5.4	41	<0.1	6.9	5.7	293	2.05	3.1	2.5	1.1	64	<0.1	0.2	<0.1	60	0.36	0.026	9
REP BM11-JF 161	QC	0.6	13.5	5.5	41	<0.1	7.0	5.8	296	2.06	3.1	1.6	1.1	61	<0.1	0.2	<0.1	59	0.36	0.027	9
BM11-JF 178	Soil	0.4	6.1	6.1	75	<0.1	5.5	3.4	336	1.30	3.8	0.7	1.1	21	0.1	0.1	0.1	30	0.19	0.263	5
REP BM11-JF 178	QC	0.4	6.5	6.4	76	<0.1	6.0	3.4	366	1.31	4.1	<0.5	1.1	23	0.1	0.1	0.1	29	0.19	0.275	5
BM11-JF 195	Soil	0.5	8.2	7.4	60	<0.1	5.5	5.0	309	1.66	1.8	<0.5	1.1	24	<0.1	0.2	<0.1	37	0.18	0.081	7
REP BM11-JF 195	QC	0.6	8.2	7.4	60	<0.1	5.9	5.0	304	1.67	1.8	<0.5	1.1	26	<0.1	0.2	<0.1	37	0.18	0.082	7
BM11-MP 93	Soil	0.6	8.0	4.9	54	<0.1	6.4	4.3	514	1.67	1.6	<0.5	0.7	43	0.2	0.2	<0.1	46	0.36	0.047	5
REP BM11-MP 93	QC	0.5	7.7	4.7	52	<0.1	6.3	4.3	497	1.67	1.7	<0.5	0.7	41	0.2	0.2	<0.1	44	0.34	0.045	5
BM11-MP 109	Soil	0.6	5.7	4.8	56	<0.1	5.0	3.7	558	1.39	1.5	2.5	0.5	16	<0.1	0.2	<0.1	36	0.18	0.046	5
REP BM11-MP 109	QC	0.6	5.8	4.9	57	<0.1	4.9	3.7	552	1.37	1.6	7.1	0.5	17	<0.1	0.2	<0.1	36	0.18	0.047	5
BM11-MP 131	Soil	0.4	10.2	6.0	50	<0.1	7.3	5.4	593	1.90	2.5	<0.5	1.1	22	<0.1	0.2	<0.1	38	0.45	0.068	10
REP BM11-MP 131	QC	0.5	10.6	5.8	50	<0.1	7.1	5.4	601	1.94	2.4	0.6	1.1	23	<0.1	0.1	<0.1	39	0.46	0.067	10
BM11-JC 121	Soil	0.7	11.1	5.7	47	<0.1	7.6	5.2	399	1.94	1.9	1.5	0.9	26	<0.1	0.3	0.2	53	0.24	0.028	8
REP BM11-JC 121	QC	0.7	11.3	5.6	44	<0.1	7.3	5.1	378	1.92	2.3	1.5	0.9	25	<0.1	0.3	0.1	50	0.25	0.027	8
BM11-JC 143	Soil	0.6	7.7	6.1	65	<0.1	6.8	5.0	845	1.65	2.0	2.9	0.9	20	0.1	0.2	<0.1	38	0.26	0.089	4
REP BM11-JC 143	QC	0.5	7.7	6.1	65	<0.1	7.1	5.0	869	1.63	2.2	2.5	0.9	21	<0.1	0.2	0.1	39	0.26	0.088	5
BM11-MK 175	Soil	0.5	11.0	4.9	41	<0.1	7.0	6.5	407	2.17	3.3	4.0	1.1	54	<0.1	0.3	<0.1	56	0.42	0.053	7
REP BM11-MK 175	QC	0.5	11.7	5.1	42	<0.1	7.3	6.5	413	2.17	3.6	1.5	1.1	56	<0.1	0.3	<0.1	58	0.42	0.054	8
BM11-MK 199	Soil	0.6	10.0	6.3	94	0.1	7.7	5.7	1291	1.81	4.0	1.3	0.9	34	0.2	0.2	<0.1	43	0.41	0.126	5
REP BM11-MK 199	QC	0.7	10.4	6.3	99	0.1	8.4	6.2	1352	1.91	4.1	1.1	0.8	34	0.2	0.2	<0.1	45	0.41	0.127	5
BM11-MK 214	Soil	0.8	9.7	5.0	77	<0.1	6.2	4.1	671	1.53	2.7	0.5	0.8	17	0.2	0.2	<0.1	37	0.24	0.089	5
REP BM11-MK 214	QC	0.8	10.3	5.1	81	<0.1	6.6	4.2	690	1.61	2.7	0.8	0.8	18	0.2	0.2	0.1	39	0.26	0.089	5
Reference Materials																					
STD DS8	Standard	14.2	121.4	132.6	319	1.9	42.8	8.4	651	2.57	28.1	112.6	6.9	66	2.2	6.1	6.9	46	0.72	0.077	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003754.1

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																	
BM11-JF 125	Soil	13	0.27	97	0.052	<1	1.28	0.019	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF 125	QC	13	0.27	97	0.054	<1	1.30	0.023	0.06	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 139	Soil	12	0.20	164	0.096	<1	0.91	0.014	0.11	<0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF 139	QC	12	0.22	161	0.093	<1	0.98	0.014	0.12	<0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11-JF 161	Soil	15	0.30	103	0.134	2	1.04	0.022	0.11	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF 161	QC	14	0.30	104	0.132	1	1.02	0.028	0.11	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF 178	Soil	8	0.17	178	0.075	1	1.29	0.025	0.05	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JF 178	QC	8	0.17	193	0.076	2	1.34	0.020	0.04	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF 195	Soil	7	0.21	77	0.120	1	2.10	0.015	0.04	0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
REP BM11-JF 195	QC	7	0.22	79	0.120	1	2.16	0.015	0.04	<0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
BM11-MP 93	Soil	13	0.20	118	0.103	<1	0.90	0.009	0.12	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
REP BM11-MP 93	QC	12	0.19	115	0.099	<1	0.87	0.010	0.12	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 109	Soil	9	0.15	120	0.048	<1	0.87	0.010	0.07	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
REP BM11-MP 109	QC	9	0.15	120	0.052	<1	0.94	0.010	0.06	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
BM11-MP 131	Soil	11	0.25	117	0.057	2	2.49	0.018	0.06	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	<0.2
REP BM11-MP 131	QC	11	0.25	118	0.056	2	2.47	0.016	0.06	<0.1	0.04	3.6	<0.1	<0.05	7	<0.5	<0.2
BM11-JC 121	Soil	13	0.29	111	0.086	2	1.25	0.013	0.07	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JC 121	QC	13	0.30	114	0.083	1	1.24	0.012	0.07	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JC 143	Soil	11	0.20	135	0.058	<1	1.35	0.013	0.07	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JC 143	QC	11	0.21	135	0.062	<1	1.38	0.012	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-MK 175	Soil	13	0.36	119	0.099	2	1.01	0.019	0.12	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
REP BM11-MK 175	QC	14	0.37	119	0.107	1	0.99	0.026	0.12	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-MK 199	Soil	11	0.25	274	0.065	2	1.71	0.014	0.14	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
REP BM11-MK 199	QC	12	0.25	267	0.069	2	1.70	0.015	0.14	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-MK 214	Soil	9	0.18	183	0.046	<1	1.04	0.011	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
REP BM11-MK 214	QC	9	0.17	188	0.056	1	1.08	0.012	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	134	0.63	271	0.128	<1	0.89	0.086	0.41	3.1	0.24	2.4	5.4	0.18	5	5.8	5.1

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003754.1

		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 DS8	Standard	12.3	103.0	120.3	295	1.8	35.0	6.9	591	2.31	24.8	112.2	6.2	63	2.3	5.2	6.4	40	0.64	0.077	14
STD DS8	Standard	14.1	114.7	130.4	328	1.8	41.1	8.1	658	2.64	26.9	110.8	6.9	64	2.3	5.7	6.2	46	0.73	0.083	16
STD DS8	Standard	14.0	110.2	132.7	313	1.9	39.6	8.2	614	2.50	26.6	126.0	6.5	59	2.3	5.5	6.4	44	0.68	0.082	14
STD DS8	Standard	13.3	122.3	132.4	328	1.9	40.0	7.6	620	2.50	27.0	117.1	6.9	69	2.5	5.7	6.6	43	0.68	0.088	15
STD DS8	Standard	13.4	107.4	136.1	315	1.9	39.3	8.0	651	2.67	27.0	113.8	6.8	65	2.6	5.7	6.7	45	0.73	0.084	16
STD DS8	Standard	11.7	104.6	114.9	281	1.6	34.7	7.2	561	2.28	23.0	109.4	5.9	54	2.2	4.8	5.8	39	0.64	0.075	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 14, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003754.1

		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 DS8	Standard	110	0.58	267	0.108	2	0.88	0.084	0.39	2.9	0.18	2.2	5.4	0.18	5	4.8	4.9
STD DS8	Standard	127	0.64	287	0.125	2	0.99	0.095	0.42	3.2	0.20	2.0	5.7	0.18	5	6.0	5.1
STD DS8	Standard	120	0.61	297	0.114	2	0.93	0.093	0.41	3.2	0.20	2.1	5.6	0.17	5	5.7	5.3
STD DS8	Standard	122	0.64	270	0.125	3	0.97	0.097	0.44	3.1	0.21	3.1	5.6	0.15	5	5.3	5.1
STD DS8	Standard	122	0.65	305	0.116	3	1.01	0.108	0.47	3.1	0.22	2.3	5.8	0.17	5	5.5	5.5
STD DS8	Standard	108	0.58	244	0.100	2	0.85	0.082	0.42	2.8	0.18	1.8	5.2	0.15	4	5.2	4.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 08, 2011

Report Date: August 25, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN11003755.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #2  
P.O. Number  
Number of Samples: 22

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	22	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX3	22	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
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: Steve Butrenchuk



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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: August 25, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN11003755.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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	
BM11-R28	Rock	0.65	3.6	5.9	7.5	37	0.3	1.1	1.7	151	1.39	9.5	61.0	1.0	24	<0.1	0.5	0.1	8	0.03	0.020
BM11-R29	Rock	0.82	0.4	3.8	8.5	37	0.2	1.3	1.8	592	1.20	28.1	13.9	1.3	27	<0.1	0.5	0.1	5	0.91	0.017
BM11-R30	Rock	1.01	40.5	2.8	8.7	19	1.6	0.6	1.0	486	0.86	8.7	257.6	1.5	11	<0.1	0.5	<0.1	<2	<0.01	0.012
BM11-R31	Rock	0.93	0.6	4.9	7.8	22	<0.1	1.7	2.9	678	1.45	4.6	1.7	1.8	12	0.3	0.1	<0.1	6	0.04	0.025
BM11-R32	Rock	0.52	1.2	2.3	7.6	28	0.1	1.8	3.7	549	1.78	14.1	10.0	1.4	12	<0.1	0.9	<0.1	10	0.02	0.032
BM11-R33	Rock	0.58	1.4	2.5	10.8	23	0.4	0.8	1.1	197	1.06	24.2	9.7	1.1	5	<0.1	1.5	<0.1	5	<0.01	0.018
BM11-R34	Rock	0.36	1.9	3.1	5.1	21	0.9	1.2	2.4	371	1.13	22.1	12.1	1.9	7	0.1	1.4	0.1	4	<0.01	0.011
BM11-R35	Rock	0.57	2.0	22.6	16.7	36	0.4	1.0	18.0	2708	11.11	9.2	11.1	0.4	12	0.4	1.5	0.3	92	0.23	0.123
BM11-R36	Rock	0.87	1.3	10.1	9.7	85	0.2	1.0	8.7	1940	3.53	5.2	1.3	1.1	132	0.2	0.4	0.3	26	4.33	0.120
BM11-R37	Rock	0.91	16.3	3.2	5.4	22	0.5	0.6	0.8	94	0.88	7.0	4.7	0.9	7	<0.1	0.3	0.1	3	<0.01	0.014
BM11-R38	Rock	0.74	9.6	2.3	8.3	33	<0.1	0.4	0.4	80	1.04	24.1	18.1	1.4	8	<0.1	0.7	<0.1	3	<0.01	0.014
BM11-R39	Rock	1.12	0.5	15.5	5.4	86	0.2	0.5	15.1	1119	5.57	10.1	3.1	0.7	43	<0.1	0.1	<0.1	40	1.51	0.134
BM11-R40	Rock	0.72	5.5	13.0	5.6	8	0.5	0.6	1.0	111	0.77	14.3	439.7	0.1	2	<0.1	0.7	<0.1	4	<0.01	0.015
BM11-R41	Rock	1.11	1.0	1.8	6.3	57	<0.1	1.8	2.3	545	1.39	3.3	10.7	0.6	9	0.1	<0.1	0.2	5	0.10	0.041
BM11-R42	Rock	0.99	16.6	2.3	7.6	27	0.4	0.7	0.8	552	1.05	15.3	24.1	1.0	10	<0.1	0.5	<0.1	2	<0.01	0.005
BM11-R43	Rock	0.39	13.6	2.1	8.2	9	0.4	0.7	0.4	88	0.63	8.8	22.4	1.1	7	<0.1	0.4	<0.1	3	<0.01	0.008
BM11-R44	Rock	0.67	2.0	8.5	3.9	76	<0.1	1.7	10.3	1176	3.76	1.9	1.8	0.7	12	0.1	<0.1	<0.1	30	0.31	0.130
BM11-R45	Rock	1.24	4.1	2.5	8.1	23	<0.1	1.1	1.5	167	1.22	12.2	2.9	2.0	6	<0.1	0.2	<0.1	5	<0.01	0.017
BM11-R46	Rock	0.84	0.8	25.9	5.4	81	<0.1	2.7	12.2	647	3.78	6.5	<0.5	2.0	302	<0.1	0.6	<0.1	94	1.82	0.158
BM11-R47	Rock	0.85	0.7	19.9	5.9	66	<0.1	2.4	10.3	644	2.99	6.4	<0.5	0.9	206	<0.1	0.2	<0.1	92	0.97	0.113
BM11-R48	Rock	0.90	78.8	18.4	22.0	19	6.7	0.5	0.5	99	0.77	23.6	97.3	0.6	7	<0.1	0.7	0.1	3	0.02	0.024
BM11-R49	Rock	0.47	0.7	16.1	6.4	55	<0.1	2.2	9.6	690	3.44	3.0	<0.5	0.9	450	<0.1	0.1	<0.1	101	1.22	0.078





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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** August 25, 2011

**Page:** 2 of 2 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003755.1

Method	Analyte	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	
		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	0.05	1	0.5	0.2	
BM11-R28	Rock	12	2	0.02	87	<0.001	<1	0.33	0.033	0.18	<0.1	0.03	0.8	<0.1	<0.05	<1	<0.5	<0.2
BM11-R29	Rock	10	3	0.02	188	0.001	<1	0.18	0.056	0.05	<0.1	0.02	0.7	<0.1	0.38	<1	<0.5	<0.2
BM11-R30	Rock	12	2	0.02	65	<0.001	<1	0.22	0.033	0.12	<0.1	0.04	0.3	0.2	0.05	<1	<0.5	<0.2
BM11-R31	Rock	12	2	0.02	304	0.002	<1	0.28	0.075	0.14	<0.1	<0.01	0.7	<0.1	0.12	<1	<0.5	<0.2
BM11-R32	Rock	12	2	0.02	63	0.001	<1	0.30	0.008	0.18	<0.1	0.01	1.0	<0.1	<0.05	<1	<0.5	<0.2
BM11-R33	Rock	4	2	0.01	55	<0.001	<1	0.19	0.003	0.18	<0.1	0.02	0.5	<0.1	<0.05	<1	<0.5	<0.2
BM11-R34	Rock	11	2	0.02	124	<0.001	<1	0.23	0.002	0.18	<0.1	0.04	0.4	0.1	<0.05	<1	<0.5	<0.2
BM11-R35	Rock	6	2	0.29	110	0.013	<1	1.15	0.008	0.08	2.7	0.04	3.0	<0.1	0.82	4	<0.5	<0.2
BM11-R36	Rock	13	1	0.29	48	0.002	<1	0.33	0.074	0.06	<0.1	0.01	7.0	<0.1	<0.05	2	<0.5	<0.2
BM11-R37	Rock	11	2	0.01	34	<0.001	<1	0.23	0.041	0.11	<0.1	0.03	0.5	<0.1	<0.05	<1	<0.5	0.2
BM11-R38	Rock	18	1	<0.01	60	<0.001	<1	0.20	0.070	0.13	<0.1	0.02	0.5	<0.1	0.06	<1	<0.5	<0.2
BM11-R39	Rock	17	<1	0.30	58	0.006	<1	1.00	0.094	0.18	<0.1	0.02	5.1	<0.1	0.67	3	<0.5	<0.2
BM11-R40	Rock	2	3	0.06	21	0.001	<1	0.17	0.002	0.07	<0.1	0.02	0.5	<0.1	<0.05	<1	<0.5	<0.2
BM11-R41	Rock	14	2	0.05	35	<0.001	<1	0.32	0.030	0.19	<0.1	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
BM11-R42	Rock	14	2	0.01	198	<0.001	<1	0.20	0.061	0.10	<0.1	0.03	0.5	<0.1	<0.05	<1	<0.5	0.2
BM11-R43	Rock	12	3	<0.01	44	<0.001	<1	0.18	0.051	0.11	<0.1	0.03	0.3	<0.1	<0.05	<1	<0.5	0.3
BM11-R44	Rock	13	<1	0.07	92	0.001	<1	0.65	0.038	0.16	<0.1	0.03	3.4	<0.1	<0.05	2	<0.5	<0.2
BM11-R45	Rock	12	1	<0.01	46	0.001	<1	0.28	0.074	0.11	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5	<0.2
BM11-R46	Rock	18	2	0.63	108	0.121	<1	2.31	0.235	0.38	<0.1	0.03	8.3	<0.1	<0.05	7	<0.5	<0.2
BM11-R47	Rock	12	3	0.50	98	0.216	<1	1.75	0.152	0.36	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2
BM11-R48	Rock	8	<1	0.01	33	0.001	<1	0.20	0.020	0.14	<0.1	0.02	0.4	0.2	<0.05	<1	<0.5	2.9
BM11-R49	Rock	12	3	0.84	195	0.279	<1	2.34	0.324	0.18	<0.1	0.05	6.4	<0.1	<0.05	9	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: August 25, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11003755.1

Method	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																					
BM11-R48	Rock	0.90	78.8	18.4	22.0	19	6.7	0.5	0.5	99	0.77	23.6	97.3	0.6	7	<0.1	0.7	0.1	3	0.02	0.024
REP BM11-R48	QC		80.1	18.5	23.3	21	7.0	0.7	0.6	107	0.79	25.1	98.1	0.6	8	<0.1	0.8	0.1	3	0.01	0.024
Core Reject Duplicates																					
BM11-R39	Rock	1.12	0.5	15.5	5.4	86	0.2	0.5	15.1	1119	5.57	10.1	3.1	0.7	43	<0.1	0.1	<0.1	40	1.51	0.134
DUP BM11-R39	QC		0.5	15.6	5.6	85	0.2	0.3	15.0	1148	5.53	10.6	1.4	0.7	42	<0.1	0.1	<0.1	40	1.53	0.136
Reference Materials																					
STD DS8	Standard		13.1	115.2	127.1	324	1.8	39.8	7.9	635	2.61	25.9	109.8	6.6	67	2.5	5.7	6.8	41	0.71	0.085
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
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	<0.01	<0.1	8.0	3.4	48	<0.1	1.7	4.0	561	2.00	<0.5	<0.5	5.1	102	<0.1	<0.1	<0.1	35	0.55	0.072
G1	Prep Blank	<0.01	0.1	44.3	3.2	45	<0.1	2.7	4.8	536	2.07	<0.5	2.1	5.0	89	<0.1	<0.1	<0.1	40	0.49	0.066



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** August 25, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11003755.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
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																		
BM11-R48	Rock	8	<1	0.01	33	0.001	<1	0.20	0.020	0.14	<0.1	0.02	0.4	0.2	<0.05	<1	<0.5	2.9
REP BM11-R48	QC	8	3	0.01	34	0.001	<1	0.22	0.021	0.14	<0.1	0.02	0.4	0.2	<0.05	<1	0.8	3.0
Core Reject Duplicates																		
BM11-R39	Rock	17	<1	0.30	58	0.006	<1	1.00	0.094	0.18	<0.1	0.02	5.1	<0.1	0.67	3	<0.5	<0.2
DUP BM11-R39	QC	17	<1	0.30	55	0.005	<1	0.97	0.086	0.16	<0.1	0.02	4.9	<0.1	0.64	3	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	122	0.62	280	0.121	2	1.00	0.109	0.42	3.0	0.23	2.3	5.7	0.16	5	5.7	5.1
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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	12	4	0.49	141	0.098	<1	0.99	0.102	0.42	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	12	4	0.50	140	0.102	<1	0.98	0.097	0.45	<0.1	<0.01	2.2	0.3	<0.05	5	0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: November 05, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11003936.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #3
P.O. Number
Number of Samples: 197

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, and 1DX2.

SAMPLE DISPOSAL

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

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: Steve Butrenchuk



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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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		
				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	
BM11 JC151	Soil			0.5	9.9	6.2	46	<0.1	6.7	5.0	436	1.65	2.3	24.5	0.8	43	<0.1	0.2	0.1	51	0.33	0.037	8
BM11 JC152	Soil			0.7	10.2	7.8	56	<0.1	7.6	5.3	658	1.58	2.2	0.7	0.6	43	<0.1	0.2	0.1	42	0.38	0.061	6
BM11 JC153	Soil			0.7	12.5	5.7	45	<0.1	7.9	5.5	356	2.06	3.2	7.4	0.9	37	<0.1	0.3	<0.1	58	0.29	0.045	7
BM11 JC154	Soil			0.4	6.1	6.0	46	<0.1	5.8	3.8	432	1.46	1.9	<0.5	0.6	27	<0.1	0.2	<0.1	39	0.22	0.052	4
BM11 JC155	Soil			0.7	10.2	6.9	73	0.1	7.7	5.2	687	1.74	3.3	<0.5	0.8	26	0.2	0.2	0.1	47	0.26	0.101	5
BM11 JC156	Soil			0.6	12.3	5.5	67	<0.1	9.4	6.1	365	2.08	2.8	6.3	0.9	27	<0.1	0.3	<0.1	55	0.22	0.064	5
BM11 JC157	Soil			0.4	8.9	6.0	49	<0.1	6.9	4.5	320	1.63	1.5	0.8	0.6	29	<0.1	0.2	<0.1	45	0.25	0.042	6
BM11 JC158	Soil			0.6	10.6	6.0	52	<0.1	8.3	5.5	383	2.07	2.7	2.6	0.9	37	<0.1	0.2	<0.1	60	0.30	0.051	6
BM11 JC159	Soil			0.6	16.3	6.3	47	<0.1	9.0	6.9	363	2.42	3.5	2.0	1.2	47	<0.1	0.3	<0.1	75	0.32	0.027	11
BM11 JC160	Soil			0.6	13.0	6.2	40	<0.1	6.7	6.7	309	2.20	3.4	0.7	1.1	50	<0.1	0.4	<0.1	65	0.29	0.026	7
BM11 JC161	Soil			0.6	7.4	5.5	54	<0.1	5.0	3.8	681	1.54	1.4	2.1	0.7	40	0.2	0.2	<0.1	45	0.37	0.042	4
BM11 JC162	Soil			0.4	12.1	5.5	58	<0.1	6.7	5.0	340	1.97	2.3	2.4	1.0	45	0.1	0.3	<0.1	59	0.35	0.030	8
BM11 JC163	Soil			0.5	14.8	6.4	63	<0.1	7.1	5.2	464	1.87	2.2	4.0	0.9	38	0.2	0.2	<0.1	49	0.36	0.052	15
BM11 JC164	Soil			0.6	12.2	6.1	61	<0.1	8.1	6.2	360	1.92	2.6	0.7	1.0	29	0.1	0.2	<0.1	52	0.24	0.062	5
BM11 JC165	Soil			0.6	15.1	6.2	51	<0.1	9.0	7.3	447	2.56	4.0	0.8	1.2	63	<0.1	0.3	<0.1	72	0.41	0.050	9
BM11 JC166	Soil			0.7	12.6	6.1	48	<0.1	7.2	6.1	408	2.20	3.5	<0.5	1.1	60	<0.1	0.3	<0.1	65	0.38	0.045	8
BM11 JC167	Soil			0.6	12.0	5.5	45	<0.1	7.3	5.5	353	2.18	3.3	0.5	1.0	39	0.1	0.3	<0.1	65	0.30	0.034	7
BM11 JC168	Soil			0.7	10.1	5.8	69	<0.1	10.0	5.6	854	1.58	2.7	<0.5	0.9	33	<0.1	0.1	<0.1	41	0.22	0.181	5
BM11 JC169	Soil			0.8	11.0	5.6	51	<0.1	9.1	6.2	342	2.11	2.8	<0.5	0.9	28	<0.1	0.2	<0.1	56	0.23	0.094	5
BM11 JC170	Soil			0.6	12.8	6.6	86	0.1	9.4	6.3	901	2.20	3.5	<0.5	0.8	25	0.1	0.2	<0.1	54	0.25	0.138	5
BM11 JC171	Soil			0.7	13.9	6.4	86	<0.1	10.0	6.3	807	2.21	3.6	1.0	0.9	23	0.1	0.2	<0.1	55	0.23	0.153	5
BM11 JC172	Soil			0.6	13.7	6.2	71	<0.1	8.9	6.3	647	2.28	3.6	<0.5	0.9	24	0.1	0.3	<0.1	59	0.23	0.121	5
BM11 JC173	Soil			0.7	13.4	7.0	81	0.1	9.4	6.4	790	2.21	3.7	0.8	1.0	25	0.2	0.2	<0.1	57	0.24	0.143	6
BM11 JC174	Soil			0.6	15.1	6.4	75	<0.1	9.4	6.4	632	2.31	3.9	2.1	1.0	27	0.1	0.3	<0.1	58	0.26	0.109	6
BM11 JC175	Soil			0.5	14.1	6.4	80	0.1	9.8	6.1	607	2.06	2.7	0.7	1.1	25	0.1	0.2	<0.1	50	0.22	0.106	5
BM11 JC176	Soil			0.6	10.0	6.0	86	0.1	8.1	6.0	1105	1.85	3.3	0.9	0.9	27	0.2	0.1	<0.1	41	0.23	0.105	4
BM11 JC177	Soil			0.5	7.1	6.1	77	<0.1	5.8	4.6	1208	1.55	1.9	<0.5	0.7	24	0.2	0.2	0.1	43	0.24	0.057	4
BM11 JC178	Soil			0.5	10.2	6.0	74	0.1	8.2	5.6	857	1.91	3.2	<0.5	0.8	25	0.2	0.1	<0.1	45	0.25	0.115	5
BM11 JC179	Soil			0.6	9.4	6.6	79	<0.1	8.2	5.0	812	1.93	2.0	1.6	0.9	32	0.2	0.2	<0.1	47	0.32	0.053	5
BM11 JC180	Soil			0.7	12.1	6.7	68	<0.1	8.6	6.0	534	2.11	3.4	<0.5	0.9	45	0.2	0.3	<0.1	54	0.48	0.077	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 2 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	
BM11 JC151	Soil			12	0.28	95	0.114	2	1.08	0.017	0.09	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC152	Soil			11	0.25	122	0.098	2	1.28	0.013	0.10	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JC153	Soil			14	0.30	118	0.101	1	1.17	0.021	0.08	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC154	Soil			9	0.19	110	0.072	<1	1.17	0.016	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC155	Soil			11	0.25	133	0.070	2	1.53	0.013	0.09	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC156	Soil			13	0.34	151	0.082	<1	1.58	0.023	0.07	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC157	Soil			12	0.23	101	0.097	1	1.18	0.020	0.07	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC158	Soil			14	0.29	139	0.111	1	1.26	0.020	0.08	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JC159	Soil			17	0.39	112	0.134	<1	1.20	0.026	0.13	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC160	Soil			14	0.26	105	0.115	2	0.91	0.015	0.15	<0.1	0.02	3.6	<0.1	<0.05	3	<0.5	<0.2
BM11 JC161	Soil			10	0.17	102	0.107	1	0.75	0.014	0.13	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
BM11 JC162	Soil			13	0.27	117	0.126	1	1.08	0.018	0.08	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
BM11 JC163	Soil			12	0.31	113	0.081	<1	1.44	0.017	0.07	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JC164	Soil			12	0.29	113	0.090	1	1.31	0.013	0.06	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JC165	Soil			16	0.36	116	0.149	1	1.18	0.039	0.14	<0.1	0.08	5.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC166	Soil			14	0.34	122	0.137	<1	1.12	0.034	0.15	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JC167	Soil			14	0.28	95	0.115	<1	1.08	0.019	0.11	<0.1	0.01	3.2	<0.1	<0.05	3	<0.5	<0.2
BM11 JC168	Soil			11	0.21	137	0.073	1	1.63	0.018	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC169	Soil			14	0.27	124	0.095	<1	1.40	0.018	0.07	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC170	Soil			14	0.28	151	0.093	1	1.53	0.018	0.06	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC171	Soil			14	0.29	148	0.098	<1	1.75	0.018	0.06	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JC172	Soil			14	0.31	140	0.094	1	1.59	0.015	0.07	0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC173	Soil			14	0.32	147	0.093	1	1.65	0.017	0.07	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC174	Soil			15	0.32	159	0.105	1	1.51	0.021	0.07	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC175	Soil			13	0.30	174	0.092	<1	1.76	0.014	0.08	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC176	Soil			11	0.23	194	0.069	<1	1.74	0.016	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC177	Soil			9	0.17	182	0.074	<1	1.20	0.014	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JC178	Soil			10	0.23	177	0.067	<1	1.81	0.014	0.09	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC179	Soil			12	0.25	170	0.089	1	1.50	0.019	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC180	Soil			13	0.30	163	0.105	2	1.38	0.012	0.15	<0.1	0.02	2.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	
BM11 JC181	Soil	0.5	9.0	6.2	75	<0.1	7.2	4.9	559	1.72	2.5	<0.5	0.7	25	0.1	0.2	<0.1	42	0.23	0.080	5
BM11 JC182	Soil	0.5	6.0	4.9	63	<0.1	4.8	3.6	585	1.49	1.3	<0.5	0.5	26	0.1	0.2	<0.1	39	0.28	0.040	4
BM11 JC183	Soil	0.5	11.3	6.9	77	<0.1	9.6	5.1	662	1.86	2.9	<0.5	1.2	23	<0.1	0.2	0.1	43	0.21	0.156	4
BM11 JC184	Soil	0.4	9.2	5.6	59	<0.1	6.8	4.3	356	1.87	1.9	1.4	0.8	30	0.1	0.2	<0.1	48	0.28	0.036	5
BM11 JC185	Soil	0.6	11.0	8.3	99	<0.1	8.2	6.0	1631	2.08	2.5	0.7	0.9	34	0.3	0.2	<0.1	48	0.32	0.079	7
BM11 JC186	Soil	0.4	6.9	5.7	96	<0.1	7.4	4.6	492	1.66	1.3	<0.5	0.8	20	<0.1	0.1	<0.1	37	0.19	0.053	4
BM11 JC187	Soil	0.5	10.3	6.0	62	<0.1	8.6	5.3	332	1.69	1.0	<0.5	0.9	25	<0.1	0.2	0.1	51	0.22	0.082	4
BM11 JC188	Soil	0.6	12.7	6.2	78	0.1	9.2	5.3	515	1.86	2.6	1.2	1.0	30	<0.1	0.2	0.1	60	0.31	0.117	5
BM11 JC189	Soil	0.7	12.9	7.3	89	0.1	7.7	5.9	1369	1.68	2.9	<0.5	1.0	37	0.2	0.2	0.1	61	0.40	0.146	5
BM11 JC190	Soil	0.7	12.2	5.1	48	<0.1	8.0	5.8	260	2.10	2.5	<0.5	0.9	34	<0.1	0.3	<0.1	79	0.31	0.037	5
BM11 JC191	Soil	0.7	11.1	6.3	71	<0.1	8.5	5.8	931	1.83	2.7	1.1	1.0	38	0.2	0.2	0.1	64	0.44	0.153	5
BM11 JC192	Soil	0.6	8.3	5.1	62	<0.1	7.0	5.0	540	1.69	0.9	<0.5	0.8	27	<0.1	0.2	0.1	64	0.25	0.063	5
BM11 JC193	Soil	0.5	8.3	5.3	59	<0.1	6.7	5.0	496	1.78	1.2	<0.5	0.8	28	<0.1	0.2	<0.1	68	0.27	0.065	4
BM11 JC194	Soil	0.7	9.3	4.7	43	<0.1	6.7	5.6	309	1.91	1.8	12.3	0.8	38	<0.1	0.3	<0.1	74	0.28	0.024	7
BM11 JC195	Soil	0.8	11.7	5.3	58	<0.1	8.3	7.2	619	2.04	1.9	<0.5	0.8	29	0.1	0.2	<0.1	77	0.24	0.032	5
BM11 JC196	Soil	0.5	7.6	4.8	68	<0.1	5.4	4.6	567	1.63	<0.5	<0.5	0.7	28	0.2	0.3	<0.1	66	0.23	0.030	5
BM11 JC197	Soil	0.5	9.3	4.9	46	<0.1	6.2	4.9	338	1.72	2.0	1.1	0.8	27	<0.1	0.2	<0.1	67	0.24	0.031	7
BM11 JC198	Soil	0.7	7.8	4.9	46	<0.1	6.0	4.7	244	1.71	2.1	<0.5	0.7	22	0.1	0.2	<0.1	71	0.21	0.037	4
BM11 JC199	Soil	0.6	10.7	6.7	77	<0.1	8.1	5.6	604	1.88	12.1	1.0	1.0	17	0.1	0.6	0.1	67	0.15	0.104	6
BM11 JC200	Soil	0.7	12.6	6.5	65	<0.1	8.3	6.1	568	1.86	12.2	<0.5	1.1	27	<0.1	0.2	<0.1	71	0.29	0.079	8
BM11 S26	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC201	Soil	0.6	10.6	5.6	67	<0.1	9.1	5.4	668	1.74	0.9	1.1	1.0	25	<0.1	0.2	<0.1	66	0.20	0.046	5
BM11 JC202	Soil	0.7	8.5	5.8	54	<0.1	7.1	4.8	626	1.61	1.4	<0.5	0.8	23	<0.1	0.2	0.1	63	0.19	0.077	4
BM11 JC203	Soil	0.5	11.9	5.6	46	<0.1	7.5	5.5	293	1.98	1.2	2.1	1.0	23	<0.1	0.2	<0.1	75	0.19	0.036	6
BM11 JC204	Soil	0.5	7.3	5.1	42	<0.1	5.6	3.9	525	1.46	0.7	<0.5	0.8	16	<0.1	0.1	<0.1	61	0.16	0.044	4
BM11 JC205	Soil	0.5	7.6	5.2	49	<0.1	6.3	4.3	607	1.41	0.5	66.5	0.8	38	<0.1	0.2	<0.1	65	0.24	0.022	9
BM11 JC206	Soil	0.4	24.8	4.4	54	<0.1	13.1	13.7	385	3.13	4.0	<0.5	1.2	72	<0.1	0.2	<0.1	112	0.48	0.070	7
BM11 JC207	Soil	0.3	23.6	4.6	57	<0.1	13.2	14.1	487	3.23	3.9	1.1	1.1	74	<0.1	0.2	<0.1	116	0.52	0.064	8
BM11 JC208	Soil	0.5	14.9	6.0	58	<0.1	10.0	9.7	544	2.55	1.9	<0.5	0.9	57	<0.1	0.2	<0.1	103	0.42	0.058	5
BM11 JC209	Soil	0.4	16.4	3.8	67	<0.1	10.5	8.9	343	2.39	4.1	<0.5	1.0	29	<0.1	0.2	<0.1	94	0.31	0.161	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	Unit	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	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	
BM11 JC181	Soil	11	0.22	160	0.069	<1	1.45	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC182	Soil	9	0.16	105	0.080	2	0.88	0.015	0.11	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC183	Soil	11	0.22	194	0.083	1	1.96	0.020	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC184	Soil	13	0.24	159	0.100	1	1.47	0.021	0.08	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC185	Soil	12	0.27	262	0.088	1	2.01	0.021	0.10	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JC186	Soil	9	0.20	167	0.075	1	1.84	0.015	0.08	<0.1	<0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC187	Soil	10	0.26	194	0.061	2	1.63	0.020	0.07	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC188	Soil	11	0.29	185	0.078	2	1.44	0.020	0.09	<0.1	0.03	2.3	<0.1	0.05	5	<0.5	<0.2
BM11 JC189	Soil	10	0.28	224	0.063	<1	1.45	0.022	0.07	0.1	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC190	Soil	13	0.34	108	0.100	2	1.25	0.027	0.09	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC191	Soil	11	0.28	221	0.070	3	1.55	0.016	0.12	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC192	Soil	10	0.27	127	0.086	<1	1.32	0.022	0.07	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JC193	Soil	10	0.27	121	0.075	2	1.36	0.019	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC194	Soil	11	0.30	88	0.096	2	1.15	0.021	0.07	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JC195	Soil	13	0.38	116	0.114	<1	1.57	0.016	0.06	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC196	Soil	9	0.23	138	0.082	2	0.99	0.028	0.08	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC197	Soil	10	0.26	105	0.080	2	1.15	0.022	0.06	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC198	Soil	10	0.25	83	0.074	2	1.03	0.014	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JC199	Soil	10	0.27	142	0.097	<1	2.04	0.025	0.05	0.1	0.02	2.2	<0.1	<0.05	8	<0.5	<0.2
BM11 JC200	Soil	11	0.31	150	0.081	1	2.12	0.017	0.08	<0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
BM11 S26	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC201	Soil	12	0.28	137	0.081	<1	1.84	0.017	0.06	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC202	Soil	9	0.23	125	0.062	1	1.39	0.014	0.05	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JC203	Soil	12	0.31	94	0.066	<1	1.52	0.018	0.04	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC204	Soil	9	0.19	98	0.061	2	1.41	0.019	0.05	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC205	Soil	9	0.23	102	0.079	2	1.38	0.015	0.06	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC206	Soil	20	0.89	91	0.153	1	4.14	0.025	0.06	<0.1	0.03	6.1	<0.1	0.05	12	<0.5	<0.2
BM11 JC207	Soil	21	0.90	97	0.155	<1	3.89	0.030	0.06	<0.1	0.03	5.9	<0.1	<0.05	12	<0.5	<0.2
BM11 JC208	Soil	19	0.57	151	0.127	2	2.34	0.019	0.10	<0.1	0.01	3.9	<0.1	<0.05	8	<0.5	<0.2
BM11 JC209	Soil	15	0.53	106	0.129	<1	2.64	0.024	0.05	<0.1	0.02	3.9	<0.1	<0.05	10	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 4 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	%	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
BM11 JC210	Soil	0.6	19.0	5.8	69	<0.1	11.5	9.7	475	2.62	4.0	<0.5	1.2	30	<0.1	0.2	<0.1	93	0.30	0.106	9
BM11 JC211	Soil	0.4	8.4	5.0	68	<0.1	7.1	5.9	409	1.62	2.4	1.3	0.6	19	<0.1	0.1	<0.1	73	0.26	0.061	4
BM11 JC212	Soil	0.5	8.6	9.1	75	<0.1	5.9	4.9	897	1.68	1.7	<0.5	0.7	29	<0.1	0.2	<0.1	64	0.33	0.108	7
BM11 JC213	Soil	0.6	12.0	5.6	58	<0.1	8.8	6.3	324	2.11	2.2	<0.5	1.0	38	<0.1	0.2	<0.1	83	0.35	0.138	5
BM11 JC214	Soil	0.4	7.5	4.8	50	<0.1	4.8	4.6	298	1.50	0.6	0.5	0.7	39	<0.1	0.2	<0.1	71	0.22	0.032	5
BM11 JC215	Soil	0.5	8.0	4.6	45	<0.1	5.6	4.4	206	1.55	1.5	<0.5	0.6	37	<0.1	0.2	<0.1	72	0.18	0.046	4
BM11 JC216	Soil	0.9	12.5	6.1	62	<0.1	8.5	6.7	465	1.99	1.9	0.6	0.9	45	0.1	0.2	<0.1	77	0.26	0.044	6
BM11 JC217	Soil	0.7	14.8	6.0	59	<0.1	9.1	7.1	647	2.18	1.9	<0.5	1.0	39	<0.1	0.3	<0.1	85	0.30	0.078	5
BM11 JC218	Soil	0.4	29.0	6.4	51	<0.1	14.9	9.5	389	2.51	2.2	10.8	1.7	51	<0.1	0.3	<0.1	94	0.43	0.046	10
BM11 JC219	Soil	0.4	13.8	6.6	63	<0.1	8.7	7.0	324	1.88	1.6	<0.5	1.1	38	<0.1	0.4	<0.1	79	0.35	0.043	8
BM11 JC220	Soil	0.7	10.5	5.6	72	<0.1	8.4	6.4	410	2.01	1.9	<0.5	0.8	33	<0.1	0.3	<0.1	79	0.28	0.133	4
BM11 JC221	Soil	0.6	24.3	5.8	49	<0.1	11.6	8.3	2142	2.02	2.4	<0.5	1.1	51	<0.1	0.2	<0.1	78	0.44	0.042	27
BM11 JC222	Soil	0.5	13.3	5.9	50	<0.1	7.2	6.0	362	2.10	2.4	2.4	0.9	59	<0.1	0.2	0.4	52	0.44	0.038	17
BM11 JC223	Soil	0.7	9.4	6.8	59	<0.1	6.7	5.7	515	1.97	3.5	0.8	1.0	42	<0.1	0.2	0.2	46	0.26	0.115	5
BM11 JC224	Soil	0.5	8.9	7.4	74	<0.1	5.0	4.6	658	2.04	2.1	1.1	0.7	26	0.1	0.1	0.2	33	0.23	0.073	6
BM11 JC225	Soil	0.7	9.6	6.5	66	<0.1	7.4	5.8	1124	1.95	2.1	1.5	1.0	22	0.1	0.2	0.2	46	0.19	0.059	6
BM11 JC226	Soil	0.6	9.9	6.8	81	<0.1	7.2	5.9	1492	1.95	2.5	1.1	0.8	35	0.2	0.2	0.2	47	0.39	0.103	5
BM11 JC227	Soil	0.5	9.8	8.1	77	<0.1	6.0	5.8	1565	2.09	2.0	0.5	0.5	20	0.1	0.1	0.1	42	0.25	0.067	9
BM11 JC228	Soil	0.5	10.4	6.9	79	<0.1	6.2	5.9	1362	2.24	2.8	0.7	0.9	26	0.2	0.2	0.1	45	0.32	0.096	8
BM11 JC229	Soil	0.7	12.0	6.9	63	<0.1	8.2	6.7	735	2.22	3.3	0.7	1.2	27	0.1	0.2	0.1	53	0.26	0.094	6
BM11 JC230	Soil	0.6	15.7	6.0	49	<0.1	7.7	6.1	464	2.03	2.6	0.8	0.9	53	0.2	0.2	0.1	54	0.47	0.039	21
BM11 JC231	Soil	0.7	17.6	6.5	53	<0.1	10.2	7.2	498	2.42	3.1	2.6	1.2	56	0.2	0.3	0.1	64	0.58	0.027	12
BM11 JC232	Soil	0.7	13.9	5.3	50	<0.1	7.8	6.3	416	2.33	4.3	0.8	1.1	53	<0.1	0.3	<0.1	67	0.40	0.039	8
BM11 JC233	Soil	0.9	12.6	6.1	45	<0.1	7.8	6.4	571	2.07	2.7	<0.5	0.9	45	<0.1	0.3	<0.1	57	0.45	0.033	14
BM11 JC234	Soil	0.8	11.9	6.8	64	<0.1	8.3	6.7	488	2.17	3.8	<0.5	1.0	36	0.1	0.2	0.1	58	0.27	0.080	6
BM11 JC235	Soil	0.8	16.9	7.6	55	0.1	11.8	8.0	741	2.49	2.3	<0.5	1.5	55	0.2	0.3	0.1	61	0.69	0.017	14
BM11 JC236	Soil	0.7	17.5	6.4	56	<0.1	10.4	8.0	535	2.55	3.3	0.7	1.1	58	0.1	0.3	<0.1	67	0.65	0.035	12
BM11 JC237	Soil	1.0	30.2	7.8	63	0.2	13.6	9.6	1277	2.71	4.6	0.5	1.1	95	0.4	0.3	0.1	62	1.16	0.051	22
BM11 JC238	Soil	0.9	29.1	7.9	66	0.3	15.0	9.9	1418	2.79	4.5	1.2	1.2	81	0.3	0.3	0.1	61	1.08	0.050	27
BM11 JC239	Soil	0.9	13.6	7.0	58	<0.1	9.3	6.8	884	2.26	3.0	<0.5	1.1	67	0.2	0.2	0.1	51	0.58	0.067	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003936.1

Method	Analyte	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
BM11 JC210	Soil	16	0.57	130	0.112	<1	3.27	0.016	0.05	<0.1	0.02	3.9	<0.1	<0.05	10	<0.5	<0.2
BM11 JC211	Soil	9	0.33	100	0.102	<1	1.78	0.030	0.05	<0.1	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JC212	Soil	7	0.26	113	0.088	<1	1.95	0.019	0.08	<0.1	0.03	2.3	<0.1	<0.05	8	<0.5	<0.2
BM11 JC213	Soil	14	0.35	94	0.080	<1	1.42	0.022	0.09	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JC214	Soil	9	0.23	78	0.103	<1	1.00	0.027	0.04	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JC215	Soil	10	0.22	72	0.095	<1	1.09	0.018	0.05	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC216	Soil	12	0.33	96	0.103	<1	1.62	0.016	0.09	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JC217	Soil	14	0.38	102	0.098	<1	1.56	0.018	0.07	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC218	Soil	20	0.79	116	0.116	<1	1.96	0.031	0.09	<0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JC219	Soil	13	0.37	84	0.094	<1	1.44	0.028	0.06	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC220	Soil	12	0.27	98	0.081	<1	1.52	0.017	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC221	Soil	12	0.47	124	0.059	<1	2.22	0.028	0.07	<0.1	0.03	5.6	0.1	<0.05	7	<0.5	<0.2
BM11 JC222	Soil	13	0.30	132	0.089	2	1.31	0.030	0.06	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC223	Soil	10	0.26	126	0.087	2	1.79	0.017	0.08	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JC224	Soil	7	0.29	109	0.050	1	2.15	0.011	0.10	<0.1	0.02	1.6	<0.1	<0.05	8	<0.5	<0.2
BM11 JC225	Soil	10	0.25	121	0.070	2	1.85	0.016	0.07	<0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC226	Soil	11	0.28	157	0.085	2	1.71	0.016	0.14	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JC227	Soil	9	0.30	91	0.041	1	1.96	0.012	0.06	<0.1	0.03	1.9	<0.1	<0.05	7	<0.5	<0.2
BM11 JC228	Soil	9	0.35	112	0.050	<1	1.99	0.013	0.09	<0.1	0.02	2.1	<0.1	<0.05	8	<0.5	<0.2
BM11 JC229	Soil	13	0.35	114	0.084	1	1.99	0.017	0.08	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC230	Soil	13	0.36	146	0.100	2	1.38	0.019	0.08	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC231	Soil	17	0.45	220	0.115	2	1.65	0.022	0.06	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC232	Soil	13	0.37	108	0.156	2	1.30	0.040	0.09	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JC233	Soil	14	0.37	72	0.084	1	1.38	0.021	0.06	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC234	Soil	14	0.31	123	0.099	1	1.73	0.023	0.07	0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JC235	Soil	18	0.44	175	0.104	2	2.15	0.026	0.05	<0.1	0.57	4.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JC236	Soil	18	0.47	146	0.110	2	1.66	0.019	0.08	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC237	Soil	20	0.57	339	0.077	3	2.79	0.028	0.08	<0.1	0.07	6.6	<0.1	0.06	8	<0.5	<0.2
BM11 JC238	Soil	23	0.58	361	0.076	3	2.93	0.026	0.10	0.1	0.07	7.8	<0.1	0.07	8	<0.5	<0.2
BM11 JC239	Soil	15	0.36	233	0.102	2	2.17	0.025	0.07	<0.1	0.04	3.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 5 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	%	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
BM11 JC240	Soil	1.1	27.7	7.1	74	<0.1	14.5	10.9	867	3.02	5.0	1.5	1.3	65	0.1	0.3	<0.1	78	0.63	0.086	13
BM11 JC241	Soil	1.4	29.3	7.8	65	<0.1	12.9	12.0	912	3.37	8.2	2.8	2.0	114	<0.1	0.4	<0.1	85	0.90	0.070	18
BM11 JC242	Soil	0.6	18.9	5.7	79	<0.1	31.1	13.0	636	3.23	2.9	<0.5	1.0	47	0.1	<0.1	<0.1	81	0.46	0.112	6
BM11 JC243	Soil	0.6	18.7	5.5	76	<0.1	29.8	12.5	553	3.23	2.4	<0.5	1.0	50	<0.1	<0.1	<0.1	80	0.46	0.099	7
BM11 JC244	Soil	1.0	18.7	6.4	65	<0.1	11.2	8.1	572	2.70	4.1	<0.5	1.1	34	<0.1	0.3	<0.1	64	0.37	0.084	7
BM11 JC245	Soil	1.2	17.6	5.9	64	<0.1	11.2	8.1	430	2.66	4.4	3.0	1.1	28	<0.1	0.3	<0.1	63	0.32	0.076	6
BM11 JC246	Soil	0.8	17.4	6.6	58	<0.1	10.3	7.3	425	2.55	4.3	<0.5	1.0	25	<0.1	0.3	<0.1	60	0.25	0.090	5
BM11 JC247	Soil	0.8	11.6	6.1	53	<0.1	7.7	6.3	651	1.95	2.4	<0.5	0.9	26	<0.1	0.2	<0.1	48	0.24	0.058	5
BM11 JC248	Soil	0.8	11.9	6.1	55	<0.1	8.0	6.2	713	1.96	2.4	3.4	0.9	26	<0.1	0.2	<0.1	48	0.26	0.058	5
BM11 JC249	Soil	0.6	13.4	6.1	60	<0.1	9.9	6.8	326	2.26	3.4	0.9	1.2	43	<0.1	0.2	<0.1	62	0.27	0.096	5
BM11 JC250	Soil	0.9	15.7	7.4	51	<0.1	9.9	7.2	336	2.24	3.4	<0.5	1.1	35	<0.1	0.2	0.1	54	0.27	0.042	7
BM11 S18	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC251	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.
BM11 JC252	Soil	0.8	17.5	7.0	75	<0.1	11.2	7.5	543	2.12	2.6	<0.5	0.9	43	0.1	0.2	0.2	55	0.51	0.074	7
BM11 JC253	Soil	0.7	28.8	6.4	55	<0.1	14.3	9.2	506	2.82	3.6	0.9	1.7	79	0.1	0.4	0.1	74	0.67	0.034	18
BM11 JC254	Soil	0.7	14.0	7.0	79	<0.1	11.7	6.8	629	2.10	3.2	1.2	1.3	27	0.1	0.2	0.1	50	0.33	0.164	7
BM11 JC255	Soil	0.6	27.6	6.6	51	<0.1	11.2	7.5	654	2.20	2.2	1.8	1.1	37	<0.1	0.3	0.1	59	0.37	0.029	34
BM11 JC256	Soil	0.8	13.3	6.8	58	<0.1	9.5	6.6	577	2.14	3.3	0.9	1.0	19	<0.1	0.3	0.1	53	0.19	0.091	5
BM11 JC257	Soil	0.7	9.7	6.3	68	<0.1	10.3	6.1	1017	1.81	1.9	<0.5	0.9	22	<0.1	0.2	0.1	44	0.23	0.096	5
BM11 JC258	Soil	0.7	9.5	6.4	57	<0.1	9.4	5.9	636	1.89	2.1	0.9	0.8	22	<0.1	0.2	0.3	46	0.21	0.089	5
BM11 JC259	Soil	0.6	10.7	6.1	57	<0.1	9.7	5.5	625	1.86	2.2	<0.5	0.8	27	<0.1	0.2	0.2	45	0.28	0.080	5
BM11 JC260	Soil	0.6	9.7	6.4	63	<0.1	8.6	5.6	476	1.76	2.0	2.0	0.8	20	<0.1	0.2	0.1	41	0.20	0.077	4
BM11 JC261	Soil	0.7	10.0	5.9	53	<0.1	8.1	5.3	402	1.82	2.0	0.6	0.8	22	<0.1	0.2	0.1	44	0.21	0.072	5
BM11 JC262	Soil	0.7	12.1	6.2	65	0.1	8.5	5.6	545	1.82	5.8	<0.5	0.8	41	0.2	0.2	0.1	41	0.37	0.117	8
BM11 JC263	Soil	0.6	9.9	6.2	67	<0.1	7.9	5.0	530	1.67	1.7	<0.5	0.7	23	<0.1	0.2	0.1	39	0.24	0.089	5
BM11 JC264	Soil	0.5	9.1	6.4	64	<0.1	8.1	4.8	399	1.54	1.2	0.8	0.7	23	<0.1	0.1	0.1	37	0.22	0.070	5
BM11 JC265	Soil	0.7	76.7	10.0	95	0.7	35.3	11.1	781	3.75	4.7	0.9	2.3	139	0.5	0.4	0.3	60	1.41	0.085	69
BM11 JC266	Soil	1.2	149.5	18.8	166	1.2	65.9	21.3	1581	7.16	8.2	2.0	4.0	264	0.9	0.6	0.4	114	2.86	0.154	132
BM11 JC267	Soil	0.6	82.5	10.3	99	0.7	36.6	10.5	748	3.69	4.8	2.5	2.1	146	0.5	0.4	0.2	62	1.50	0.091	78
BM11 JC268	Soil	0.6	83.3	10.0	97	0.7	37.9	11.7	792	3.94	5.1	1.1	2.2	142	0.5	0.4	0.2	66	1.45	0.085	69

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	
BM11 JC240	Soil	21	0.60	156	0.098	2	2.26	0.020	0.10	<0.1	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
BM11 JC241	Soil	20	0.60	186	0.098	1	2.16	0.050	0.10	<0.1	0.04	7.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JC242	Soil	19	0.93	105	0.166	1	2.89	0.029	0.09	<0.1	0.02	3.3	<0.1	<0.05	8	<0.5	<0.2
BM11 JC243	Soil	19	0.92	106	0.156	1	2.82	0.036	0.09	<0.1	0.02	3.1	<0.1	<0.05	8	<0.5	<0.2
BM11 JC244	Soil	17	0.43	119	0.090	1	1.99	0.017	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC245	Soil	17	0.44	108	0.085	1	1.63	0.013	0.09	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JC246	Soil	15	0.36	114	0.065	1	2.01	0.012	0.08	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC247	Soil	11	0.25	137	0.057	<1	1.52	0.011	0.08	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC248	Soil	12	0.26	147	0.056	<1	1.58	0.016	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC249	Soil	14	0.31	110	0.123	1	1.77	0.019	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC250	Soil	14	0.34	97	0.107	1	2.08	0.025	0.07	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 S18	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC251	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.
BM11 JC252	Soil	16	0.37	118	0.089	2	1.47	0.017	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC253	Soil	24	0.62	150	0.134	1	1.97	0.027	0.08	<0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC254	Soil	14	0.31	134	0.094	2	1.99	0.015	0.08	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC255	Soil	17	0.44	98	0.086	<1	1.65	0.019	0.06	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JC256	Soil	13	0.29	107	0.066	1	1.63	0.013	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JC257	Soil	13	0.24	110	0.077	1	1.56	0.014	0.06	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC258	Soil	12	0.24	111	0.075	1	1.59	0.013	0.07	<0.1	0.02	1.6	<0.1	0.08	6	<0.5	<0.2
BM11 JC259	Soil	11	0.27	115	0.072	1	1.52	0.015	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC260	Soil	11	0.23	116	0.062	1	1.65	0.015	0.06	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC261	Soil	11	0.25	119	0.063	1	1.41	0.012	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC262	Soil	12	0.25	172	0.064	<1	1.51	0.025	0.10	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JC263	Soil	11	0.24	131	0.056	<1	1.50	0.016	0.08	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC264	Soil	11	0.21	97	0.061	<1	1.45	0.017	0.06	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC265	Soil	40	0.89	353	0.048	2	5.42	0.031	0.20	<0.1	0.07	13.1	0.1	<0.05	13	<0.5	<0.2
BM11 JC266	Soil	77	1.69	673	0.065	2	>10	0.056	0.36	0.1	0.14	24.6	0.2	0.14	26	0.9	<0.2
BM11 JC267	Soil	41	0.92	375	0.053	2	5.79	0.034	0.22	<0.1	0.06	13.9	0.1	0.13	14	<0.5	<0.2
BM11 JC268	Soil	43	0.93	377	0.054	2	5.99	0.032	0.21	<0.1	0.03	14.4	0.1	0.10	15	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	0.1	2	0.01	0.001	1
BM11 JC269	Soil			0.7	11.8	6.7	54	<0.1	13.9	6.0	402	1.99	2.9	<0.5	1.0	38	<0.1	0.2	<0.1	49	0.31	0.095	5	
BM11 JC270	Soil			0.6	18.3	5.8	64	0.1	40.9	9.6	584	2.34	3.4	<0.5	1.1	55	<0.1	0.2	<0.1	59	0.34	0.116	6	
BM11 JC271	Soil			0.6	18.9	5.5	62	<0.1	39.5	9.6	489	2.36	3.1	<0.5	1.1	51	<0.1	0.2	<0.1	60	0.30	0.095	6	
BM11 JC272	Soil			0.7	11.5	6.3	60	<0.1	10.1	6.0	661	1.92	2.6	0.6	1.1	30	<0.1	0.2	<0.1	48	0.25	0.080	5	
BM11 JC273	Soil			0.6	9.1	6.8	102	<0.1	6.8	5.2	1350	1.67	2.1	0.9	0.9	24	<0.1	0.2	<0.1	40	0.24	0.149	4	
BM11 JC274	Soil			0.6	10.1	5.7	55	<0.1	8.7	5.0	271	1.75	3.2	1.8	1.0	23	<0.1	0.2	<0.1	43	0.21	0.124	5	
BM11 JC275	Soil			0.6	8.7	5.9	55	<0.1	8.1	5.0	202	1.87	2.1	<0.5	0.8	26	<0.1	0.2	<0.1	48	0.22	0.090	4	
BM11 JC276	Soil			0.4	7.7	5.2	52	<0.1	5.8	4.0	428	1.42	1.4	<0.5	0.7	30	<0.1	0.2	<0.1	38	0.29	0.040	6	
BM11 JC277	Soil			0.4	8.7	5.2	46	<0.1	6.7	4.0	564	1.44	1.3	0.6	0.8	26	<0.1	0.1	<0.1	39	0.25	0.024	9	
BM11 JC278	Soil			0.7	10.4	6.8	57	<0.1	6.5	5.1	974	1.66	2.0	1.2	0.8	25	<0.1	0.2	<0.1	44	0.23	0.049	8	
BM11 JC279	Soil			0.6	10.1	5.7	56	<0.1	8.9	5.7	459	1.81	2.2	12.1	0.8	22	<0.1	0.2	<0.1	46	0.23	0.084	5	
BM11 JC280	Soil			0.6	9.4	5.7	52	<0.1	8.2	5.0	364	1.61	1.9	0.6	0.8	19	<0.1	0.1	<0.1	39	0.17	0.082	5	
BM11 JC281	Soil			0.5	8.7	5.9	64	<0.1	8.3	5.2	336	1.67	2.2	<0.5	0.8	34	<0.1	0.2	<0.1	44	0.23	0.077	4	
BM11 JC282	Soil			0.4	9.8	5.2	57	<0.1	9.5	5.8	305	1.87	2.0	5.0	0.9	43	<0.1	0.2	<0.1	53	0.28	0.033	7	
BM11 JC283	Soil			0.5	9.3	6.0	67	<0.1	8.6	5.5	665	1.78	2.0	<0.5	0.9	42	<0.1	0.1	0.3	46	0.32	0.094	5	
BM11 JC284	Soil			0.5	8.4	5.1	50	<0.1	7.3	5.3	441	1.94	2.1	<0.5	0.9	38	<0.1	0.2	0.1	56	0.27	0.045	5	
BM11 JC285	Soil			0.7	17.9	6.0	76	<0.1	11.4	7.6	697	2.46	3.1	<0.5	1.0	33	<0.1	0.3	0.1	66	0.33	0.100	6	
BM11 JC286	Soil			0.6	12.3	5.5	46	<0.1	8.4	6.6	443	2.07	2.8	0.5	0.9	32	<0.1	0.2	<0.1	59	0.25	0.063	5	
BM11 JC287	Soil			0.8	13.1	5.3	52	<0.1	9.5	7.2	506	2.12	2.8	<0.5	0.9	26	<0.1	0.2	<0.1	60	0.23	0.086	4	
BM11 JC288	Soil			0.7	13.5	5.8	64	<0.1	9.4	7.1	468	2.19	3.0	<0.5	0.9	31	<0.1	0.2	<0.1	60	0.25	0.091	5	
BM11 JC289	Soil			0.6	14.0	4.6	49	<0.1	9.3	7.0	261	2.37	2.5	<0.5	1.0	43	<0.1	0.3	<0.1	74	0.36	0.039	6	
BM11 JC290	Soil			0.6	14.1	4.8	49	<0.1	9.3	6.9	269	2.43	2.6	2.5	0.9	44	<0.1	0.3	<0.1	75	0.37	0.038	6	
BM11 JC291	Soil			0.3	10.1	5.2	42	<0.1	6.5	4.5	189	1.74	1.6	<0.5	0.8	50	<0.1	0.2	<0.1	50	0.32	0.024	6	
BM11 JC292	Soil			0.7	12.8	5.9	64	<0.1	9.0	6.4	315	2.07	2.2	<0.5	0.8	33	0.1	0.2	<0.1	58	0.30	0.089	6	
BM11 JC293	Soil			0.5	14.0	5.3	52	<0.1	8.9	5.9	318	2.11	3.1	<0.5	0.9	59	<0.1	0.2	<0.1	65	0.31	0.058	7	
BM11 JC294	Soil			0.6	11.6	5.7	63	<0.1	9.0	6.7	552	1.88	2.4	0.7	0.7	25	0.1	0.2	0.1	49	0.24	0.071	5	
BM11 JC295	Soil			0.6	10.7	5.9	56	<0.1	7.9	5.8	293	1.99	2.3	13.9	0.9	33	<0.1	0.2	0.1	55	0.24	0.062	4	
BM11 JC296	Soil			0.7	11.3	6.3	54	<0.1	7.8	6.5	586	2.03	3.1	<0.5	0.9	23	<0.1	0.2	0.1	52	0.19	0.110	4	
BM11 JC297	Soil			0.7	9.1	5.6	43	<0.1	6.1	5.2	249	1.89	3.1	<0.5	0.8	44	<0.1	0.2	<0.1	54	0.25	0.070	5	
BM11 JC298	Soil			0.6	11.1	5.8	63	<0.1	8.5	7.2	490	2.17	3.1	<0.5	0.9	32	0.1	0.2	0.1	56	0.25	0.101	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 05, 2011

**Page:** 6 of 8 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003936.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JC269	Soil			15	0.30	156	0.056	<1	1.72	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC270	Soil			40	0.55	159	0.076	1	2.03	0.018	0.09	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JC271	Soil			39	0.55	145	0.084	<1	2.03	0.018	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JC272	Soil			12	0.25	145	0.077	<1	1.82	0.015	0.09	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC273	Soil			10	0.18	114	0.060	<1	1.63	0.017	0.06	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC274	Soil			12	0.21	118	0.059	<1	1.56	0.017	0.09	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC275	Soil			12	0.24	97	0.065	<1	1.48	0.014	0.06	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC276	Soil			9	0.21	83	0.063	<1	1.04	0.016	0.06	<0.1	<0.01	1.7	<0.1	0.06	4	<0.5	<0.2
BM11 JC277	Soil			11	0.23	76	0.067	<1	1.18	0.026	0.05	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JC278	Soil			11	0.23	98	0.050	<1	1.32	0.015	0.05	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC279	Soil			13	0.24	105	0.061	<1	1.51	0.014	0.07	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC280	Soil			11	0.21	87	0.063	<1	1.55	0.015	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC281	Soil			12	0.21	107	0.087	<1	1.33	0.015	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC282	Soil			15	0.30	103	0.123	<1	1.36	0.018	0.07	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JC283	Soil			11	0.24	132	0.099	<1	1.70	0.017	0.11	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC284	Soil			12	0.24	108	0.102	<1	1.28	0.015	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC285	Soil			19	0.36	167	0.091	<1	1.63	0.017	0.07	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC286	Soil			14	0.25	102	0.100	<1	1.68	0.016	0.07	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JC287	Soil			14	0.26	89	0.099	<1	1.73	0.016	0.05	<0.1	0.10	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JC288	Soil			15	0.27	91	0.092	<1	1.86	0.015	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JC289	Soil			19	0.42	96	0.119	<1	1.29	0.016	0.05	<0.1	0.02	3.1	<0.1	0.06	4	<0.5	<0.2
BM11 JC290	Soil			20	0.44	97	0.120	<1	1.35	0.016	0.05	<0.1	0.01	3.1	<0.1	0.06	4	<0.5	<0.2
BM11 JC291	Soil			12	0.30	105	0.087	<1	1.31	0.021	0.04	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC292	Soil			14	0.28	83	0.096	<1	1.79	0.015	0.08	<0.1	0.02	2.8	<0.1	0.06	7	<0.5	<0.2
BM11 JC293	Soil			14	0.29	112	0.129	<1	1.60	0.018	0.06	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC294	Soil			13	0.27	76	0.070	1	1.49	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC295	Soil			12	0.25	109	0.092	1	1.74	0.013	0.10	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC296	Soil			13	0.24	98	0.079	1	1.64	0.011	0.06	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JC297	Soil			11	0.22	106	0.095	1	1.30	0.012	0.09	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC298	Soil			13	0.26	109	0.078	1	1.48	0.012	0.07	<0.1	<0.01	2.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	
BM11 JC299	Soil		0.6	9.9	6.7	65	<0.1	7.9	5.6	691	1.91	2.4	<0.5	0.8	24	0.1	0.2	0.1	50	0.24	0.079	5
BM11 JC300	Soil		0.6	10.5	6.4	68	<0.1	8.2	5.9	683	1.99	2.3	<0.5	0.8	25	0.2	0.2	0.1	50	0.25	0.071	5
BM11 JC301	Soil		0.3	8.1	5.2	65	<0.1	6.1	3.8	161	1.39	1.1	<0.5	0.7	21	0.1	0.1	<0.1	38	0.25	0.014	6
BM11 JC302	Soil		0.5	8.6	5.9	66	<0.1	7.6	4.6	366	1.62	1.7	0.5	0.6	28	<0.1	0.1	<0.1	45	0.22	0.041	5
BM11 JC303	Soil		0.4	10.2	5.1	56	<0.1	6.3	5.2	369	1.84	2.8	<0.5	0.8	49	<0.1	0.2	<0.1	53	0.26	0.032	7
BM11 JC304	Soil		0.6	11.0	6.3	57	<0.1	9.3	6.5	263	1.95	2.8	1.8	0.8	25	0.1	0.2	0.1	51	0.23	0.084	4
BM11 JC305	Soil		0.5	11.6	5.9	56	<0.1	8.4	6.0	282	1.89	2.8	<0.5	0.9	25	<0.1	0.2	<0.1	48	0.23	0.082	4
BM11 JC306	Soil		0.7	9.3	6.2	68	<0.1	8.2	5.9	868	1.83	3.0	0.5	1.0	19	0.2	0.2	<0.1	45	0.16	0.070	4
BM11 JC307	Soil		0.6	9.6	6.2	62	<0.1	7.0	6.0	939	1.77	2.7	<0.5	0.8	25	0.1	0.2	<0.1	47	0.22	0.062	5
BM11 JC308	Soil		0.5	7.3	6.5	80	<0.1	6.4	4.0	799	1.55	2.2	<0.5	0.6	23	0.2	0.2	<0.1	41	0.31	0.052	3
BM11 JC309	Soil		0.6	10.7	5.7	77	<0.1	7.9	5.7	398	1.76	2.6	<0.5	0.8	28	0.1	0.1	<0.1	45	0.23	0.087	4
BM11 JC310	Soil		0.6	9.1	6.0	52	0.1	4.1	4.5	334	1.80	2.4	1.1	0.6	18	0.1	0.2	<0.1	43	0.22	0.042	5
BM11 JC311	Soil		0.7	9.9	5.7	51	<0.1	9.6	5.9	315	1.84	2.1	3.1	0.8	23	<0.1	0.2	<0.1	50	0.23	0.053	4
BM11 JC312	Soil		0.7	10.7	6.0	51	0.1	10.0	6.3	275	1.96	2.4	<0.5	0.8	22	<0.1	0.2	<0.1	50	0.20	0.064	4
BM11 JC313	Soil		0.9	11.5	6.2	64	<0.1	8.8	6.6	348	2.09	2.6	<0.5	1.0	19	0.1	0.2	<0.1	53	0.17	0.046	4
BM11 JC314	Soil		0.9	11.5	6.2	63	<0.1	9.6	5.9	521	2.04	2.6	<0.5	0.8	22	0.1	0.2	<0.1	50	0.19	0.069	5
BM11 JC315	Soil		0.9	12.6	6.4	64	<0.1	10.2	6.1	529	2.09	2.6	<0.5	1.0	24	0.1	0.2	0.1	52	0.21	0.062	5
BM11 JC316	Soil		0.6	14.3	5.9	45	<0.1	9.9	8.2	300	2.41	3.0	0.6	1.0	28	<0.1	0.2	<0.1	67	0.30	0.077	5
BM11 JC317	Soil		0.8	20.5	5.8	59	<0.1	12.1	9.4	467	2.60	3.6	1.2	1.2	26	<0.1	0.3	<0.1	70	0.25	0.071	6
BM11 JC318	Soil		0.8	17.9	5.3	53	<0.1	11.4	9.3	368	2.56	3.1	0.7	1.0	31	<0.1	0.3	<0.1	71	0.28	0.048	7
BM11 JC319	Soil		0.7	25.0	5.1	53	0.1	15.5	9.0	415	2.45	2.6	4.6	1.0	63	0.1	0.2	0.3	70	0.47	0.025	15
BM11 JC320	Soil		1.0	18.8	5.8	60	0.1	16.5	8.8	451	2.61	3.5	1.5	1.1	33	0.1	0.3	0.1	64	0.28	0.090	5
BM11 JC321	Soil		0.9	18.9	6.1	53	0.1	22.8	9.5	435	2.39	3.9	<0.5	1.2	40	0.2	0.2	0.1	64	0.29	0.086	7
BM11 JC322	Soil		0.9	21.8	6.3	55	<0.1	16.1	9.6	445	2.70	4.3	0.6	1.3	53	0.1	0.3	0.1	74	0.34	0.057	6
BM11 JC323	Soil		0.5	17.0	2.9	44	<0.1	9.1	10.7	423	2.58	3.2	1.1	0.9	411	<0.1	<0.1	<0.1	84	0.52	0.058	7
BM11 JC324	Soil		0.4	17.3	3.3	53	<0.1	11.2	10.4	602	2.38	2.2	0.8	0.9	27	0.1	0.1	<0.1	75	0.36	0.066	4
BM11 JC325	Soil		0.5	17.9	3.2	53	<0.1	10.9	10.9	608	2.51	2.5	0.6	0.9	30	<0.1	0.1	<0.1	79	0.37	0.069	5
BM11 JC326	Soil		0.4	15.0	4.0	70	<0.1	13.1	8.9	699	2.41	2.7	0.6	0.9	57	0.2	0.1	<0.1	69	0.45	0.070	4
BM11 JC327	Soil		0.5	13.2	6.0	44	<0.1	9.4	6.2	444	1.87	2.6	1.5	1.0	64	<0.1	0.2	<0.1	49	0.53	0.026	13
BM11 JC328	Soil		1.0	18.3	5.9	69	<0.1	13.0	8.9	624	2.88	3.7	0.9	1.1	25	<0.1	0.3	<0.1	78	0.28	0.068	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003936.1

Method	Analyte	Unit	MDL	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		
				1	0.01	1	0.001	0.01	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
BM11 JC299	Soil			12	0.25	172	0.073	<1	1.44	0.012	0.05	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC300	Soil			12	0.26	190	0.081	<1	1.46	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
BM11 JC301	Soil			11	0.25	151	0.078	<1	1.01	0.014	0.03	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JC302	Soil			14	0.23	170	0.075	<1	1.01	0.012	0.05	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC303	Soil			11	0.27	145	0.097	<1	1.07	0.015	0.05	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JC304	Soil			12	0.26	89	0.091	1	1.70	0.014	0.08	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC305	Soil			12	0.25	92	0.087	1	1.57	0.012	0.08	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC306	Soil			10	0.20	175	0.091	<1	1.74	0.013	0.05	<0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC307	Soil			11	0.22	184	0.082	<1	1.52	0.013	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC308	Soil			9	0.18	213	0.064	1	1.21	0.012	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JC309	Soil			11	0.22	129	0.073	<1	1.53	0.018	0.07	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC310	Soil			9	0.17	245	0.027	<1	1.01	0.009	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC311	Soil			13	0.24	109	0.072	<1	1.37	0.013	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC312	Soil			13	0.24	110	0.069	<1	1.45	0.012	0.05	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JC313	Soil			13	0.28	110	0.076	<1	1.70	0.012	0.05	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JC314	Soil			12	0.25	148	0.077	<1	1.48	0.012	0.06	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC315	Soil			13	0.26	179	0.081	<1	1.57	0.012	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC316	Soil			17	0.33	82	0.079	1	1.46	0.013	0.06	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JC317	Soil			19	0.43	107	0.081	<1	1.71	0.013	0.08	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JC318	Soil			19	0.39	100	0.085	1	1.43	0.012	0.06	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC319	Soil			19	0.47	167	0.074	1	1.68	0.015	0.06	<0.1	0.02	4.3	<0.1	0.06	5	<0.5	<0.2
BM11 JC320	Soil			20	0.40	149	0.068	2	2.11	0.011	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JC321	Soil			23	0.46	142	0.077	1	2.47	0.013	0.06	<0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
BM11 JC322	Soil			23	0.53	130	0.078	1	2.93	0.011	0.09	0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
BM11 JC323	Soil			13	0.74	99	0.152	2	3.18	0.046	0.06	<0.1	0.02	5.1	<0.1	<0.05	8	<0.5	<0.2
BM11 JC324	Soil			18	0.62	64	0.137	2	2.41	0.016	0.05	0.1	0.02	4.8	<0.1	<0.05	9	<0.5	<0.2
BM11 JC325	Soil			19	0.68	59	0.141	2	2.56	0.016	0.05	<0.1	0.03	5.2	<0.1	<0.05	9	<0.5	<0.2
BM11 JC326	Soil			27	0.47	97	0.123	1	2.22	0.013	0.10	<0.1	0.01	4.2	<0.1	<0.05	8	<0.5	<0.2
BM11 JC327	Soil			18	0.34	84	0.061	1	1.91	0.021	0.05	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC328	Soil			21	0.46	100	0.085	1	1.95	0.010	0.07	<0.1	0.01	3.2	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 8 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003936.1

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	
BM11 JC329	Soil	0.6	12.7	5.2	56	<0.1	8.1	6.0	265	1.88	1.3	1.5	0.8	25	<0.1	0.3	0.1	52	0.28	0.030	6
BM11 JC330	Soil	0.7	11.3	6.0	58	<0.1	9.7	6.9	327	2.37	2.8	5.8	0.8	27	0.1	0.3	<0.1	64	0.29	0.071	5
BM11 JC331	Soil	0.3	11.0	4.8	45	<0.1	8.3	4.7	297	1.67	1.6	1.6	0.9	35	<0.1	0.2	<0.1	48	0.36	0.015	7
BM11 JC332	Soil	1.1	6.9	6.3	50	<0.1	5.8	4.2	267	1.57	1.6	0.6	0.7	14	<0.1	0.1	0.1	40	0.15	0.050	3
BM11 JC333	Soil	1.2	17.1	6.9	59	<0.1	12.4	7.7	467	2.53	3.5	1.8	1.4	28	<0.1	0.3	<0.1	65	0.29	0.072	6
BM11 JC334	Soil	1.3	16.8	8.4	72	<0.1	9.5	7.1	1004	2.36	3.6	4.6	1.1	36	0.2	0.3	<0.1	61	0.39	0.070	6
BM11 JC335	Soil	1.0	10.2	6.6	70	<0.1	10.0	6.6	1145	1.95	2.4	2.5	0.9	26	<0.1	0.2	<0.1	48	0.22	0.058	7
BM11 JC336	Soil	0.8	12.4	5.2	53	<0.1	9.5	6.4	559	2.02	2.6	2.0	0.9	26	<0.1	0.3	<0.1	54	0.25	0.046	6
BM11 JC337	Soil	0.8	8.8	6.6	63	<0.1	7.4	5.5	856	1.70	2.1	1.5	0.8	24	<0.1	0.2	<0.1	46	0.23	0.062	5
BM11 JC338	Soil	0.8	8.5	5.7	61	<0.1	7.0	5.4	585	1.81	1.8	3.2	0.8	23	0.1	0.2	<0.1	48	0.18	0.064	4
BM11 JC339	Soil	0.5	8.2	5.4	43	<0.1	6.5	4.3	212	1.53	1.6	1.3	0.7	25	<0.1	0.2	<0.1	40	0.20	0.034	5
BM11 JC340	Soil	0.7	22.9	6.5	53	0.2	12.6	7.1	1320	2.25	4.0	1.5	1.5	47	<0.1	0.2	<0.1	54	0.43	0.056	21
BM11 JC341	Soil	0.8	11.1	6.3	67	<0.1	10.5	6.7	484	2.25	2.6	0.8	1.0	24	<0.1	0.2	<0.1	57	0.23	0.086	5
BM11 JC342	Soil	0.5	10.7	7.4	49	<0.1	7.2	5.0	1078	1.60	1.6	1.5	0.8	38	0.1	0.2	<0.1	41	0.33	0.027	12
BM11 JC343	Soil	0.7	9.1	6.4	51	<0.1	6.7	5.2	794	1.69	1.6	0.7	0.8	39	<0.1	0.2	<0.1	45	0.27	0.037	6
BM11 JC344	Soil	0.5	7.8	5.3	41	<0.1	5.8	4.5	284	1.53	1.4	6.1	0.7	35	<0.1	0.2	<0.1	43	0.21	0.021	5
BM11 JC345	Soil	0.6	12.0	8.5	75	0.1	10.6	6.7	986	2.05	2.2	2.0	0.9	48	0.2	0.2	<0.1	61	0.34	0.064	9



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 05, 2011

**Page:** 8 of 8 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003936.1**

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
BM11 JC329	Soil	14	0.29	80	0.078	<1	1.27	0.014	0.05	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC330	Soil	15	0.30	108	0.085	2	1.51	0.011	0.07	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC331	Soil	15	0.32	79	0.105	<1	1.28	0.020	0.04	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JC332	Soil	10	0.16	74	0.053	1	1.37	0.010	0.04	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC333	Soil	19	0.44	123	0.083	2	1.86	0.012	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC334	Soil	15	0.34	140	0.051	2	1.80	0.011	0.09	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JC335	Soil	13	0.28	135	0.071	2	1.84	0.013	0.07	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JC336	Soil	14	0.29	108	0.077	1	1.33	0.010	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC337	Soil	11	0.19	111	0.061	1	1.37	0.011	0.07	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC338	Soil	12	0.19	105	0.073	1	1.31	0.011	0.06	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JC339	Soil	11	0.17	84	0.067	<1	1.15	0.014	0.05	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JC340	Soil	20	0.48	150	0.056	<1	2.55	0.020	0.08	<0.1	0.03	5.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JC341	Soil	16	0.33	125	0.076	2	1.78	0.014	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JC342	Soil	12	0.26	117	0.080	1	1.23	0.015	0.07	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JC343	Soil	12	0.22	122	0.083	<1	1.19	0.013	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JC344	Soil	11	0.20	92	0.098	1	1.12	0.012	0.06	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC345	Soil	15	0.33	105	0.113	1	1.54	0.017	0.08	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 05, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003936.1

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																					
BM11 JC157	Soil	0.4	8.9	6.0	49	<0.1	6.9	4.5	320	1.63	1.5	0.8	0.6	29	<0.1	0.2	<0.1	45	0.25	0.042	6
REP BM11 JC157	QC	0.4	7.8	5.9	46	<0.1	6.4	3.9	295	1.48	1.3	2.4	0.6	29	<0.1	0.2	0.1	40	0.25	0.040	6
BM11 JC177	Soil	0.5	7.1	6.1	77	<0.1	5.8	4.6	1208	1.55	1.9	<0.5	0.7	24	0.2	0.2	0.1	43	0.24	0.057	4
REP BM11 JC177	QC	0.5	7.2	5.5	82	<0.1	5.9	4.6	1282	1.59	1.8	1.2	0.7	24	0.1	0.2	<0.1	41	0.25	0.056	4
BM11 JC188	Soil	0.6	12.7	6.2	78	0.1	9.2	5.3	515	1.86	2.6	1.2	1.0	30	<0.1	0.2	0.1	60	0.31	0.117	5
REP BM11 JC188	QC	0.6	12.1	6.3	74	0.1	8.7	5.2	491	1.79	2.7	1.0	1.0	28	<0.1	0.3	<0.1	63	0.32	0.115	5
BM11 JC211	Soil	0.4	8.4	5.0	68	<0.1	7.1	5.9	409	1.62	2.4	1.3	0.6	19	<0.1	0.1	<0.1	73	0.26	0.061	4
REP BM11 JC211	QC	0.4	8.6	5.0	66	<0.1	7.0	5.8	403	1.60	1.8	<0.5	0.6	19	<0.1	0.2	<0.1	73	0.26	0.061	4
BM11 JC236	Soil	0.7	17.5	6.4	56	<0.1	10.4	8.0	535	2.55	3.3	0.7	1.1	58	0.1	0.3	<0.1	67	0.65	0.035	12
REP BM11 JC236	QC	0.7	17.5	6.4	56	<0.1	10.7	7.8	524	2.52	3.0	<0.5	1.1	59	0.2	0.4	<0.1	67	0.66	0.034	12
BM11 JC244	Soil	1.0	18.7	6.4	65	<0.1	11.2	8.1	572	2.70	4.1	<0.5	1.1	34	<0.1	0.3	<0.1	64	0.37	0.084	7
REP BM11 JC244	QC	1.0	18.5	6.3	65	<0.1	10.9	8.0	556	2.60	3.9	0.8	1.1	34	<0.1	0.3	<0.1	64	0.36	0.083	7
BM11 JC260	Soil	0.6	9.7	6.4	63	<0.1	8.6	5.6	476	1.76	2.0	2.0	0.8	20	<0.1	0.2	0.1	41	0.20	0.077	4
REP BM11 JC260	QC	0.6	9.4	6.1	60	<0.1	8.2	5.7	465	1.69	1.9	<0.5	0.8	19	<0.1	0.2	0.1	39	0.18	0.073	4
BM11 JC290	Soil	0.6	14.1	4.8	49	<0.1	9.3	6.9	269	2.43	2.6	2.5	0.9	44	<0.1	0.3	<0.1	75	0.37	0.038	6
REP BM11 JC290	QC	0.5	13.6	4.8	49	<0.1	9.3	6.9	264	2.37	2.3	3.2	0.9	43	<0.1	0.3	<0.1	74	0.36	0.036	6
BM11 JC306	Soil	0.7	9.3	6.2	68	<0.1	8.2	5.9	868	1.83	3.0	0.5	1.0	19	0.2	0.2	<0.1	45	0.16	0.070	4
REP BM11 JC306	QC	0.7	9.3	6.2	69	<0.1	8.2	5.8	877	1.79	2.6	<0.5	0.9	20	0.2	0.2	<0.1	44	0.16	0.067	4
BM11 JC330	Soil	0.7	11.3	6.0	58	<0.1	9.7	6.9	327	2.37	2.8	5.8	0.8	27	0.1	0.3	<0.1	64	0.29	0.071	5
REP BM11 JC330	QC	0.7	10.9	6.1	59	<0.1	9.6	7.0	314	2.26	2.7	1.3	0.9	27	<0.1	0.4	<0.1	62	0.31	0.074	5
BM11 JC341	Soil	0.8	11.1	6.3	67	<0.1	10.5	6.7	484	2.25	2.6	0.8	1.0	24	<0.1	0.2	<0.1	57	0.23	0.086	5
REP BM11 JC341	QC	0.7	10.5	6.0	67	<0.1	10.1	6.5	451	2.17	2.5	1.7	1.0	24	<0.1	0.2	<0.1	54	0.24	0.079	5
Reference Materials																					
STD DS8	Standard	14.4	99.9	126.6	301	1.7	36.1	7.8	615	2.53	27.4	116.1	7.4	66	2.3	6.1	6.4	44	0.74	0.082	17
STD DS8	Standard	13.7	124.4	130.5	329	1.8	41.6	8.2	611	2.48	24.6	126.1	6.8	65	2.3	5.5	5.8	44	0.69	0.083	15
STD DS8	Standard	14.5	122.5	130.9	315	1.8	41.7	8.5	630	2.55	24.2	107.5	7.2	66	2.2	5.6	6.1	48	0.70	0.083	16
STD DS8	Standard	13.3	115.2	122.0	323	1.9	38.3	7.6	632	2.46	25.0	107.3	6.9	69	2.5	5.7	6.7	44	0.72	0.083	17
STD DS8	Standard	13.5	110.4	116.2	298	1.8	38.1	7.4	580	2.30	23.9	100.0	6.3	74	2.0	5.7	6.2	60	0.66	0.073	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003936.1

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																	
BM11 JC157	Soil	12	0.23	101	0.097	1	1.18	0.020	0.07	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JC157	QC	11	0.24	95	0.089	1	1.21	0.014	0.07	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC177	Soil	9	0.17	182	0.074	<1	1.20	0.014	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JC177	QC	10	0.17	175	0.074	<1	1.23	0.019	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JC188	Soil	11	0.29	185	0.078	2	1.44	0.020	0.09	<0.1	0.03	2.3	<0.1	0.05	5	<0.5	<0.2
REP BM11 JC188	QC	11	0.28	178	0.075	2	1.41	0.017	0.09	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC211	Soil	9	0.33	100	0.102	<1	1.78	0.030	0.05	<0.1	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
REP BM11 JC211	QC	9	0.32	100	0.100	<1	1.72	0.021	0.05	<0.1	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JC236	Soil	18	0.47	146	0.110	2	1.66	0.019	0.08	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JC236	QC	19	0.46	146	0.128	2	1.68	0.023	0.08	0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC244	Soil	17	0.43	119	0.090	1	1.99	0.017	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JC244	QC	17	0.42	114	0.088	1	1.98	0.017	0.08	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JC260	Soil	11	0.23	116	0.062	1	1.65	0.015	0.06	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JC260	QC	10	0.22	114	0.056	<1	1.58	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC290	Soil	20	0.44	97	0.120	<1	1.35	0.016	0.05	<0.1	0.01	3.1	<0.1	0.06	4	<0.5	<0.2
REP BM11 JC290	QC	20	0.42	96	0.117	<1	1.27	0.016	0.05	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JC306	Soil	10	0.20	175	0.091	<1	1.74	0.013	0.05	<0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JC306	QC	10	0.21	177	0.089	<1	1.74	0.013	0.05	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JC330	Soil	15	0.30	108	0.085	2	1.51	0.011	0.07	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JC330	QC	15	0.31	107	0.089	1	1.50	0.011	0.06	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC341	Soil	16	0.33	125	0.076	2	1.78	0.014	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JC341	QC	15	0.31	124	0.072	<1	1.72	0.011	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	122	0.62	299	0.123	2	0.95	0.085	0.42	3.2	0.20	2.1	5.5	0.15	5	5.7	5.2
STD DS8	Standard	126	0.63	276	0.123	3	0.94	0.096	0.45	3.0	0.21	2.5	5.6	0.15	5	5.3	5.0
STD DS8	Standard	129	0.63	281	0.130	2	0.91	0.092	0.44	3.0	0.20	2.3	5.5	0.24	5	5.3	4.9
STD DS8	Standard	111	0.61	297	0.122	2	0.97	0.098	0.46	2.9	0.19	2.9	5.5	0.16	5	5.0	4.7
STD DS8	Standard	114	0.66	271	0.111	1	0.89	0.113	0.40	2.8	0.18	2.4	5.1	0.12	5	4.4	4.9



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 05, 2011

Page: 2 of 2 Part 1

# QUALITY CONTROL REPORT

VAN11003936.1

		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 DS8	Standard	13.9	112.3	123.4	315	1.7	39.1	7.4	623	2.46	23.8	104.0	7.1	70	2.3	5.5	5.5	45	0.72	0.082	19
STD DS8	Standard	13.4	112.1	127.3	297	1.7	37.6	7.5	573	2.33	24.2	109.6	6.8	67	2.4	5.7	7.1	41	0.67	0.084	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 05, 2011

Page: 2 of 2 Part 2

# QUALITY CONTROL REPORT

VAN11003936.1

		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 DS8	Standard	122	0.62	287	0.134	2	0.95	0.099	0.40	2.9	0.18	2.3	5.3	0.23	5	4.9	4.7
STD DS8	Standard	118	0.58	274	0.118	3	0.93	0.105	0.42	3.1	0.20	3.4	5.6	0.18	5	4.7	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 15, 2011

Report Date: November 04, 2011

Page: 1 of 9

## CERTIFICATE OF ANALYSIS

VAN11003937.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #3  
P.O. Number  
Number of Samples: 215

### SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	215	Dry at 60C			VAN
SS80	210	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	210	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF196	Soil		0.4	6.2	5.7	70	<0.1	5.9	4.3	493	1.55	1.5	1.4	0.8	36	0.1	0.2	<0.1	40	0.28	0.058	5
BM11 JF197	Soil		0.6	7.4	5.8	52	<0.1	4.3	4.7	592	1.56	1.8	1.4	0.8	50	0.2	0.2	<0.1	40	0.36	0.065	5
BM11 JF198	Soil		0.4	8.2	5.8	49	<0.1	4.1	6.0	396	2.03	1.5	0.8	1.0	120	<0.1	0.2	<0.1	45	0.44	0.051	5
BM11 JF199	Soil		0.4	7.8	5.8	49	<0.1	4.2	5.9	348	2.13	1.6	1.6	1.1	117	<0.1	0.2	<0.1	48	0.43	0.060	5
BM11 JF200	Soil		0.5	8.0	5.6	48	<0.1	4.2	5.9	361	2.08	1.5	<0.5	1.0	116	<0.1	0.2	<0.1	47	0.43	0.056	5
BM11 S15	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF201	Soil		0.4	8.6	5.3	91	<0.1	7.2	5.1	448	1.62	1.7	<0.5	0.8	40	0.2	<0.1	<0.1	38	0.27	0.147	3
BM11 JF202	Soil		0.4	9.2	6.0	88	<0.1	5.5	4.8	1346	1.52	2.9	0.7	0.6	17	0.1	<0.1	<0.1	35	0.30	0.199	3
BM11 JF203	Soil		0.5	8.6	4.7	71	<0.1	5.6	5.0	878	1.54	3.1	<0.5	0.7	15	<0.1	<0.1	<0.1	36	0.23	0.163	3
BM11 JF204	Soil		0.8	16.3	6.6	57	<0.1	12.9	7.4	382	2.68	7.7	<0.5	1.3	35	<0.1	0.3	<0.1	66	0.28	0.088	8
BM11 JF205	Soil		0.8	10.0	5.0	51	<0.1	9.1	5.6	472	1.65	2.0	<0.5	0.8	23	<0.1	0.1	<0.1	43	0.28	0.088	4
BM11 JF206	Soil		0.4	9.1	6.4	58	<0.1	5.7	5.2	488	1.50	3.6	1.2	1.0	18	0.1	0.1	<0.1	45	0.28	0.145	4
BM11 JF207	Soil		0.6	14.2	7.3	49	<0.1	9.3	6.9	543	2.18	4.1	1.4	1.5	27	<0.1	0.2	0.1	59	0.22	0.138	6
BM11 JF208	Soil		0.8	17.9	8.0	50	<0.1	10.1	7.6	489	2.49	5.7	<0.5	1.9	32	0.1	0.2	0.1	66	0.24	0.177	7
BM11 JF209	Soil		0.9	17.4	8.4	49	<0.1	9.5	7.2	455	2.37	5.7	<0.5	1.8	31	0.1	0.2	0.1	65	0.23	0.181	7
BM11 JF210	Soil		0.6	14.8	7.4	62	<0.1	7.9	7.8	855	2.31	7.2	0.6	1.3	64	0.1	0.2	0.1	62	0.39	0.148	5
BM11 JF211	Soil		0.5	12.8	8.3	65	<0.1	7.8	8.1	422	2.31	2.8	1.0	1.1	67	0.1	0.2	0.1	81	0.49	0.060	4
BM11 JF212	Soil		0.5	15.7	8.3	64	0.1	9.1	8.6	422	2.58	3.1	<0.5	1.2	73	<0.1	0.2	0.1	91	0.52	0.061	5
BM11 JF213	Soil		0.5	4.9	6.2	58	<0.1	4.2	3.7	428	1.03	2.7	<0.5	0.8	17	0.1	<0.1	0.1	25	0.20	0.134	3
BM11 JF214	Soil		0.6	10.9	6.2	59	<0.1	7.1	6.4	444	1.55	3.4	<0.5	1.2	22	0.1	0.2	<0.1	48	0.30	0.103	6
BM11 JF215	Soil		0.9	16.0	7.6	57	<0.1	10.1	9.7	471	2.03	14.6	<0.5	1.4	36	<0.1	0.3	0.1	64	0.27	0.118	6
BM11 JF216	Soil		0.9	19.0	7.8	57	<0.1	10.8	10.5	456	2.24	17.8	<0.5	2.0	40	<0.1	0.4	0.1	71	0.29	0.128	6
BM11 JF217	Soil		0.6	15.8	6.5	62	<0.1	13.0	9.5	573	2.02	10.2	<0.5	0.9	31	0.1	0.3	<0.1	69	0.34	0.071	5
BM11 JF218	Soil		0.7	13.0	7.6	63	<0.1	7.5	8.8	511	2.08	7.0	<0.5	1.3	45	<0.1	0.3	0.1	68	0.31	0.065	6
BM11 JF219	Soil		1.1	21.5	9.0	74	<0.1	9.0	12.4	828	3.15	15.0	<0.5	1.6	73	0.1	0.5	0.1	97	0.59	0.119	9
BM11 JF220	Soil		1.1	18.5	7.8	74	<0.1	9.3	10.3	769	2.64	14.4	<0.5	1.3	65	0.2	0.5	0.1	81	0.55	0.187	7
BM11 JF221	Soil		1.3	21.2	8.9	81	<0.1	9.5	11.0	774	3.13	16.9	<0.5	1.5	85	0.2	0.7	0.1	91	0.61	0.174	8
BM11 JF222	Soil		0.6	17.6	7.7	84	<0.1	8.8	11.3	542	2.89	9.3	<0.5	1.2	54	0.1	0.5	0.1	88	0.55	0.118	8
BM11 JF223	Soil		0.8	17.3	8.2	76	<0.1	8.5	11.8	753	2.91	11.2	<0.5	1.5	68	0.1	0.4	0.1	85	0.53	0.092	10
BM11 JF224	Soil		0.6	8.8	6.6	61	<0.1	7.1	5.0	563	1.76	2.1	<0.5	0.9	18	<0.1	0.2	<0.1	44	0.19	0.055	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	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
BM11 JF196	Soil	9	0.18	107	0.080	1	1.43	0.014	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF197	Soil	8	0.19	112	0.080	2	1.12	0.016	0.24	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF198	Soil	6	0.31	153	0.070	<1	1.91	0.095	0.52	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF199	Soil	6	0.32	154	0.068	<1	1.96	0.096	0.48	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JF200	Soil	6	0.31	153	0.066	<1	1.89	0.090	0.50	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 S15	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF201	Soil	9	0.23	113	0.073	<1	1.66	0.017	0.33	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF202	Soil	8	0.16	100	0.055	<1	1.79	0.015	0.08	<0.1	0.03	1.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JF203	Soil	7	0.18	55	0.048	<1	1.89	0.015	0.08	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
BM11 JF204	Soil	19	0.40	75	0.101	<1	3.27	0.014	0.07	<0.1	0.04	3.5	<0.1	<0.05	9	<0.5	<0.2
BM11 JF205	Soil	13	0.24	123	0.086	<1	1.39	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JF206	Soil	8	0.25	73	0.155	1	1.54	0.017	0.05	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JF207	Soil	12	0.34	74	0.198	1	2.90	0.015	0.04	0.1	0.05	3.1	<0.1	<0.05	9	<0.5	<0.2
BM11 JF208	Soil	13	0.41	76	0.220	3	3.62	0.016	0.04	0.2	0.06	3.9	<0.1	<0.05	10	<0.5	<0.2
BM11 JF209	Soil	13	0.39	70	0.224	2	3.57	0.016	0.04	0.2	0.06	4.0	<0.1	<0.05	10	<0.5	<0.2
BM11 JF210	Soil	9	0.39	96	0.233	2	2.58	0.016	0.08	0.2	0.05	3.3	<0.1	<0.05	9	<0.5	<0.2
BM11 JF211	Soil	10	0.36	134	0.263	<1	2.62	0.014	0.06	<0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11 JF212	Soil	11	0.42	126	0.278	<1	2.83	0.015	0.06	0.1	0.02	3.6	<0.1	<0.05	9	<0.5	<0.2
BM11 JF213	Soil	6	0.12	65	0.084	2	1.37	0.017	0.05	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF214	Soil	7	0.25	67	0.177	1	1.85	0.017	0.05	0.1	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JF215	Soil	10	0.39	72	0.247	1	2.58	0.014	0.05	0.2	0.04	3.4	<0.1	<0.05	9	<0.5	<0.2
BM11 JF216	Soil	10	0.43	75	0.268	1	3.00	0.014	0.05	0.3	0.05	4.4	<0.1	<0.05	10	<0.5	<0.2
BM11 JF217	Soil	11	0.43	62	0.248	1	2.21	0.019	0.04	0.2	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11 JF218	Soil	6	0.35	78	0.310	<1	2.59	0.017	0.05	0.1	0.03	3.8	<0.1	<0.05	9	<0.5	<0.2
BM11 JF219	Soil	9	0.57	96	0.416	2	3.89	0.014	0.08	0.2	0.05	5.8	<0.1	<0.05	13	<0.5	<0.2
BM11 JF220	Soil	9	0.48	94	0.336	2	3.21	0.013	0.08	0.2	0.04	4.8	<0.1	<0.05	11	<0.5	<0.2
BM11 JF221	Soil	9	0.57	98	0.374	2	3.84	0.016	0.10	0.3	0.06	5.1	<0.1	<0.05	13	<0.5	<0.2
BM11 JF222	Soil	9	0.53	78	0.326	2	3.60	0.021	0.07	0.2	0.04	4.6	<0.1	<0.05	13	0.6	<0.2
BM11 JF223	Soil	8	0.52	107	0.338	1	3.34	0.014	0.11	0.2	0.03	5.2	0.1	<0.05	12	<0.5	<0.2
BM11 JF224	Soil	11	0.23	122	0.062	2	1.35	0.011	0.07	<0.1	0.01	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF225	Soil		0.4	7.0	6.4	48	<0.1	5.3	4.4	419	1.43	1.0	3.0	0.9	24	0.2	0.2	<0.1	35	0.33	0.017	8
BM11 JF226	Soil		0.5	8.0	6.6	92	<0.1	8.3	4.9	648	1.69	2.2	8.4	1.0	16	<0.1	0.2	0.1	40	0.17	0.098	4
BM11 JF227	Soil		0.5	8.3	6.7	84	<0.1	8.3	4.8	595	1.67	2.3	0.9	0.9	16	<0.1	0.2	<0.1	40	0.17	0.090	4
BM11 JF228	Soil		0.5	8.5	6.4	77	<0.1	8.1	4.8	512	1.66	2.0	<0.5	1.0	16	<0.1	0.2	<0.1	40	0.18	0.086	4
BM11 JF229	Soil		0.5	7.7	5.9	48	<0.1	5.8	4.4	305	1.81	1.4	1.5	0.9	28	<0.1	0.3	<0.1	47	0.25	0.030	5
BM11 JF230	Soil		0.4	9.6	5.4	42	<0.1	6.2	4.2	333	1.59	1.3	1.7	0.9	28	<0.1	0.2	<0.1	42	0.27	0.015	10
BM11 JF231	Soil		0.5	8.0	5.7	42	<0.1	5.7	5.0	275	1.87	1.8	2.9	0.9	24	<0.1	0.3	<0.1	50	0.17	0.032	5
BM11 JF232	Soil		0.4	10.0	6.0	43	<0.1	5.9	5.1	299	1.64	1.4	1.2	1.0	26	<0.1	0.2	<0.1	43	0.24	0.024	8
BM11 JF233	Soil		0.3	10.3	6.6	37	<0.1	7.3	4.0	239	1.58	1.6	1.3	1.1	32	<0.1	0.2	<0.1	42	0.30	0.018	9
BM11 JF234	Soil		0.6	23.1	5.9	45	<0.1	11.0	7.4	371	2.63	3.9	2.3	1.6	53	<0.1	0.3	<0.1	74	0.40	0.023	20
BM11 JF235	Soil		0.6	20.7	5.6	44	<0.1	11.0	7.2	354	2.69	4.3	1.7	1.5	52	<0.1	0.4	<0.1	74	0.37	0.020	15
BM11 JF236	Soil		0.4	10.0	6.7	93	0.1	8.6	4.3	796	1.39	2.9	<0.5	0.8	30	0.1	0.1	0.1	33	0.31	0.138	4
BM11 JF237	Soil		0.6	7.8	6.7	64	<0.1	8.9	5.2	837	1.51	2.9	0.9	0.8	21	<0.1	0.1	<0.1	36	0.17	0.115	3
BM11 JF238	Soil		0.5	10.4	5.8	63	<0.1	8.6	6.2	626	1.86	1.9	<0.5	1.0	24	<0.1	0.2	<0.1	47	0.20	0.073	4
BM11 JF239	Soil		0.4	12.5	5.1	43	0.1	7.7	4.2	408	1.61	1.4	<0.5	0.9	35	<0.1	0.2	<0.1	42	0.27	0.020	13
BM11 JF240	Soil		0.4	8.0	5.3	75	<0.1	7.6	4.6	477	1.74	1.7	5.0	0.8	30	<0.1	0.2	<0.1	47	0.26	0.052	4
BM11 JF241	Soil		0.5	8.7	5.9	59	<0.1	8.4	4.7	494	1.65	1.4	4.2	1.0	23	<0.1	0.2	<0.1	41	0.20	0.048	4
BM11 JF242	Soil		0.7	12.9	7.0	64	<0.1	10.4	6.6	351	2.40	3.5	0.6	1.2	31	0.1	0.3	<0.1	60	0.29	0.102	5
BM11 JF243	Soil		0.6	12.8	6.6	63	<0.1	9.8	6.1	383	2.23	2.8	<0.5	1.1	30	<0.1	0.2	<0.1	56	0.27	0.073	5
BM11 JF244	Soil		0.6	11.5	5.9	78	<0.1	9.6	5.7	785	2.03	2.0	<0.5	1.0	28	0.1	0.2	<0.1	57	0.27	0.039	5
BM11 JF245	Soil		0.5	12.2	4.5	50	<0.1	11.9	6.3	298	2.21	1.3	<0.5	1.4	35	<0.1	0.2	<0.1	66	0.34	0.030	4
BM11 JF246	Soil		0.6	13.0	4.8	49	<0.1	12.0	6.5	288	2.30	1.4	10.6	1.0	36	<0.1	0.2	<0.1	68	0.33	0.037	4
BM11 JF247	Soil		0.5	7.7	5.5	56	<0.1	7.2	3.7	434	1.31	1.9	1.5	0.9	15	<0.1	0.1	<0.1	33	0.14	0.075	3
BM11 JF248	Soil		0.5	10.1	5.6	53	<0.1	11.4	4.9	294	1.73	1.7	<0.5	1.0	26	<0.1	0.2	<0.1	46	0.25	0.061	4
BM11 JF249	Soil		0.4	10.1	5.8	48	<0.1	10.5	4.7	288	1.68	1.7	<0.5	1.0	24	<0.1	0.2	<0.1	44	0.23	0.060	4
BM11 JF250	Soil		0.4	12.1	5.5	68	<0.1	12.1	5.7	302	1.86	2.2	3.2	1.1	27	<0.1	0.2	<0.1	50	0.23	0.093	4
BM11 S20	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF251	Soil		0.4	13.2	5.6	65	<0.1	12.0	5.7	313	1.94	1.7	1.1	1.1	28	<0.1	0.2	<0.1	53	0.25	0.070	4
BM11 JF252	Soil		0.4	11.2	6.0	53	<0.1	8.3	6.1	197	2.04	3.6	<0.5	1.1	38	<0.1	0.1	<0.1	48	0.25	0.250	5
BM11 JF253	Soil		0.5	12.0	6.0	56	<0.1	8.5	5.9	202	2.02	4.0	<0.5	1.1	37	<0.1	0.2	<0.1	48	0.26	0.260	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JF225	Soil			10	0.21	85	0.075	<1	1.08	0.018	0.06	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JF226	Soil			12	0.22	148	0.071	1	1.53	0.013	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF227	Soil			11	0.22	138	0.066	1	1.53	0.013	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF228	Soil			11	0.22	126	0.068	<1	1.54	0.014	0.06	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF229	Soil			11	0.23	110	0.067	1	1.03	0.013	0.08	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JF230	Soil			11	0.25	101	0.084	<1	1.15	0.017	0.08	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JF231	Soil			11	0.23	104	0.076	<1	0.93	0.013	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF232	Soil			10	0.24	94	0.071	<1	1.00	0.017	0.06	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
BM11 JF233	Soil			12	0.31	94	0.088	1	1.17	0.020	0.06	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JF234	Soil			22	0.40	119	0.114	<1	1.54	0.023	0.08	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF235	Soil			22	0.41	104	0.119	2	1.40	0.018	0.08	<0.1	0.03	5.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JF236	Soil			9	0.21	162	0.071	2	1.56	0.017	0.11	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF237	Soil			9	0.17	122	0.065	1	1.35	0.015	0.06	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF238	Soil			14	0.26	125	0.092	1	1.45	0.018	0.06	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF239	Soil			13	0.27	107	0.089	1	1.26	0.018	0.07	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JF240	Soil			12	0.24	114	0.093	1	1.31	0.019	0.06	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JF241	Soil			11	0.23	147	0.084	2	1.48	0.016	0.07	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JF242	Soil			16	0.34	157	0.091	2	2.04	0.013	0.10	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF243	Soil			15	0.31	152	0.098	2	1.78	0.015	0.09	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF244	Soil			17	0.30	132	0.119	2	1.52	0.014	0.07	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF245	Soil			20	0.36	113	0.134	1	1.47	0.015	0.08	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JF246	Soil			20	0.38	108	0.131	2	1.41	0.015	0.07	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JF247	Soil			9	0.14	86	0.067	1	1.20	0.015	0.04	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JF248	Soil			13	0.24	106	0.099	<1	1.49	0.017	0.07	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JF249	Soil			13	0.24	103	0.087	1	1.39	0.014	0.08	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF250	Soil			15	0.30	121	0.098	1	1.69	0.017	0.07	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 S20	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF251	Soil			15	0.31	114	0.103	1	1.69	0.016	0.07	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF252	Soil			13	0.28	78	0.080	1	1.85	0.017	0.05	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JF253	Soil			13	0.28	77	0.093	2	1.88	0.017	0.05	<0.1	0.03	2.9	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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		
BM11 JF254	Soil		0.4	11.2	5.8	49	<0.1	7.8	5.6	186	1.97	3.7	<0.5	1.0	37	<0.1	0.2	<0.1	48	0.25	0.225	4
BM11 JF255	Soil		0.5	7.7	5.1	38	<0.1	6.8	3.9	279	1.73	2.0	1.2	0.8	41	<0.1	0.2	<0.1	49	0.23	0.022	4
BM11 JF256	Soil		0.4	9.0	4.9	35	<0.1	6.4	4.1	238	1.84	2.4	1.6	0.7	41	<0.1	0.2	<0.1	51	0.24	0.025	5
BM11 JF257	Soil		0.7	6.3	6.4	70	<0.1	5.6	3.3	770	1.11	3.2	<0.5	0.8	14	0.1	<0.1	0.1	25	0.11	0.108	3
BM11 JF258	Soil		0.5	7.2	6.7	71	<0.1	5.8	3.6	707	1.17	3.6	1.0	0.9	14	0.1	<0.1	0.1	28	0.12	0.119	3
BM11 JF259	Soil		0.5	10.7	5.6	58	<0.1	8.8	5.5	526	1.85	3.3	0.7	1.0	24	<0.1	0.2	<0.1	45	0.21	0.110	5
BM11 JF260	Soil		0.5	11.4	5.6	58	<0.1	8.7	5.5	435	1.94	3.4	0.8	1.1	26	<0.1	0.2	<0.1	48	0.24	0.105	6
BM11 JF261	Soil		0.4	6.4	6.3	68	<0.1	4.5	3.2	440	1.27	2.8	0.6	0.9	15	<0.1	<0.1	0.1	29	0.16	0.140	3
BM11 JF262	Soil		0.4	12.3	5.8	61	<0.1	7.7	5.2	305	1.94	2.9	0.7	1.0	22	<0.1	0.2	<0.1	51	0.21	0.081	5
BM11 JF263	Soil		0.5	7.8	6.4	53	0.1	6.0	4.6	538	1.41	2.2	1.2	0.7	21	<0.1	0.1	<0.1	34	0.23	0.099	4
BM11 JF264	Soil		0.3	7.7	5.9	63	0.2	5.0	3.5	641	1.21	2.2	0.9	0.8	25	0.1	0.1	<0.1	30	0.25	0.122	5
BM11 JF265	Soil		0.7	14.2	6.7	60	<0.1	8.1	6.1	552	2.33	3.2	0.6	1.1	31	<0.1	0.3	<0.1	58	0.38	0.068	8
BM11 JF266	Soil		0.6	9.4	6.5	95	<0.1	8.3	5.1	1110	1.83	2.8	0.6	0.9	22	0.2	0.1	<0.1	43	0.24	0.125	5
BM11 JF267	Soil		0.6	9.2	6.5	97	<0.1	8.4	4.8	989	1.70	2.8	<0.5	0.9	27	0.2	0.1	0.1	41	0.27	0.121	5
BM11 JF268	Soil		0.6	9.2	6.0	71	<0.1	4.5	3.4	1232	1.03	2.3	0.8	0.4	33	0.3	0.2	<0.1	26	0.48	0.074	3
BM11 JF269	Soil		0.6	9.9	6.4	80	<0.1	8.6	5.2	525	1.87	2.4	0.7	1.1	24	0.1	0.1	<0.1	45	0.27	0.123	5
BM11 JF270	Soil		0.5	8.1	6.2	78	<0.1	8.0	4.6	477	1.72	2.1	<0.5	0.8	24	<0.1	0.2	<0.1	43	0.26	0.091	4
BM11 JF271	Soil		0.5	8.4	5.6	45	<0.1	6.8	5.1	306	1.77	2.4	4.4	0.9	27	<0.1	0.2	<0.1	45	0.24	0.078	5
BM11 JF272	Soil		0.6	8.8	6.1	46	<0.1	7.3	5.3	288	1.88	2.5	<0.5	0.9	28	<0.1	0.2	<0.1	47	0.25	0.075	5
BM11 JF273	Soil		0.5	9.6	6.0	47	<0.1	6.9	5.1	293	1.86	2.4	1.1	0.9	29	<0.1	0.2	<0.1	47	0.26	0.066	5
BM11 JF274	Soil		0.5	11.2	6.4	68	<0.1	7.6	5.6	501	1.84	2.2	3.1	0.9	31	0.1	0.2	<0.1	45	0.28	0.094	6
BM11 JF275	Soil		0.5	12.7	6.3	66	<0.1	8.3	5.9	527	1.90	2.7	<0.5	1.0	33	0.1	0.2	<0.1	46	0.30	0.093	6
BM11 JF276	Soil		0.6	11.5	6.4	67	<0.1	7.5	5.5	557	1.84	2.2	<0.5	0.9	32	<0.1	0.2	<0.1	44	0.28	0.093	6
BM11 JF277	Soil		0.9	22.3	7.3	91	<0.1	14.4	9.1	722	2.61	3.3	<0.5	1.5	34	0.1	0.3	0.1	66	0.31	0.088	7
BM11 JF278	Soil		0.7	27.5	7.2	80	<0.1	14.9	9.7	549	2.94	3.9	1.2	1.6	37	0.1	0.3	0.1	75	0.35	0.081	8
BM11 JF279	Soil		0.7	30.5	6.9	86	<0.1	15.2	10.4	574	3.11	4.0	0.9	1.7	40	<0.1	0.4	0.1	77	0.37	0.079	9
BM11 JF280	Soil		0.7	25.7	5.4	57	<0.1	13.0	8.6	412	2.97	5.4	0.8	1.4	54	<0.1	0.4	<0.1	85	0.51	0.041	8
BM11 JF281	Soil		0.8	13.4	6.2	85	<0.1	9.5	7.4	570	2.32	3.2	0.6	1.1	26	0.1	0.3	<0.1	62	0.30	0.110	5
BM11 JF282	Soil		0.8	13.3	6.1	84	<0.1	9.1	7.2	621	2.29	3.3	1.2	1.1	26	<0.1	0.3	<0.1	58	0.29	0.122	5
BM11 JF283	Soil		0.7	10.2	6.5	57	<0.1	6.9	6.3	526	2.08	2.8	2.2	0.9	40	<0.1	0.2	<0.1	56	0.36	0.075	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JF254	Soil			13	0.28	67	0.083	1	1.76	0.017	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF255	Soil			13	0.21	109	0.078	<1	1.03	0.015	0.05	<0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
BM11 JF256	Soil			14	0.21	100	0.094	1	1.08	0.017	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JF257	Soil			7	0.12	93	0.074	1	1.22	0.016	0.05	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF258	Soil			7	0.13	95	0.075	1	1.32	0.021	0.05	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF259	Soil			13	0.23	134	0.081	<1	1.56	0.014	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF260	Soil			14	0.24	135	0.089	<1	1.62	0.016	0.06	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF261	Soil			7	0.13	114	0.068	1	1.34	0.016	0.05	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF262	Soil			12	0.27	108	0.095	2	1.56	0.017	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	0.5	<0.2
BM11 JF263	Soil			10	0.19	122	0.065	1	1.32	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF264	Soil			8	0.15	136	0.066	1	1.29	0.018	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF265	Soil			15	0.38	147	0.096	1	1.53	0.014	0.09	<0.1	0.02	3.3	<0.1	<0.05	5	0.7	<0.2
BM11 JF266	Soil			13	0.27	216	0.078	2	1.60	0.014	0.08	<0.1	0.02	2.5	<0.1	<0.05	6	0.7	<0.2
BM11 JF267	Soil			12	0.26	219	0.072	2	1.54	0.016	0.08	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF268	Soil			7	0.16	189	0.051	3	0.78	0.010	0.06	<0.1	0.06	1.3	<0.1	<0.05	3	0.6	<0.2
BM11 JF269	Soil			12	0.26	161	0.087	<1	1.62	0.016	0.08	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF270	Soil			12	0.24	192	0.073	2	1.42	0.014	0.08	<0.1	0.01	2.1	<0.1	<0.05	5	0.7	<0.2
BM11 JF271	Soil			11	0.24	87	0.085	<1	1.38	0.014	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF272	Soil			12	0.26	91	0.092	1	1.47	0.014	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF273	Soil			12	0.27	89	0.088	1	1.40	0.013	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF274	Soil			13	0.29	106	0.087	<1	1.64	0.020	0.07	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF275	Soil			13	0.31	106	0.087	1	1.70	0.017	0.07	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JF276	Soil			12	0.28	110	0.081	<1	1.54	0.019	0.07	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF277	Soil			19	0.53	111	0.114	2	2.53	0.017	0.11	<0.1	0.03	4.1	<0.1	<0.05	8	0.6	<0.2
BM11 JF278	Soil			21	0.62	101	0.118	2	2.29	0.015	0.11	<0.1	0.02	4.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JF279	Soil			23	0.63	109	0.127	2	2.29	0.023	0.12	<0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JF280	Soil			23	0.63	113	0.138	2	1.69	0.034	0.09	<0.1	0.02	5.2	<0.1	<0.05	6	0.5	<0.2
BM11 JF281	Soil			14	0.34	109	0.105	2	1.91	0.015	0.07	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
BM11 JF282	Soil			14	0.34	103	0.098	2	1.89	0.015	0.07	<0.1	0.02	3.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JF283	Soil			12	0.31	127	0.108	2	1.73	0.015	0.10	<0.1	0.02	3.1	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF284	Soil		0.8	11.2	7.3	58	<0.1	6.9	6.3	631	2.09	3.1	<0.5	1.0	41	<0.1	0.2	0.1	56	0.40	0.073	7
BM11 JF285	Soil		0.7	10.7	6.3	54	<0.1	7.0	6.5	559	2.12	3.3	2.7	0.9	40	<0.1	0.3	<0.1	59	0.33	0.053	7
BM11 JF286	Soil		0.7	10.4	6.6	55	<0.1	6.9	6.4	585	2.03	3.2	0.5	0.9	40	<0.1	0.2	<0.1	55	0.35	0.060	7
BM11 JF287	Soil		0.7	11.2	6.1	62	<0.1	7.7	7.0	340	2.12	2.5	0.7	1.1	30	0.1	0.2	<0.1	55	0.23	0.071	6
BM11 JF288	Soil		0.7	10.8	6.1	60	<0.1	7.4	6.5	315	2.12	2.4	<0.5	1.1	31	0.1	0.2	<0.1	56	0.25	0.061	6
BM11 JF289	Soil		0.7	10.7	6.3	61	<0.1	7.9	6.8	331	2.14	2.6	0.5	1.1	31	0.1	0.2	<0.1	55	0.27	0.060	6
BM11 JF290	Soil		0.8	12.3	7.4	83	<0.1	9.2	7.5	810	2.27	3.1	<0.5	1.3	30	0.2	0.2	0.1	53	0.27	0.131	6
BM11 JF291	Soil		0.8	12.7	7.2	81	<0.1	10.0	7.4	697	2.37	3.1	<0.5	1.4	29	<0.1	0.2	0.1	55	0.25	0.127	5
BM11 JF292	Soil		0.6	12.6	6.0	63	<0.1	11.5	6.8	425	2.44	2.3	<0.5	1.2	65	<0.1	0.3	0.1	67	0.42	0.032	8
BM11 JF293	Soil		0.6	12.2	5.8	63	<0.1	10.8	6.9	519	2.45	2.5	0.9	1.2	61	0.1	0.3	0.1	67	0.43	0.032	8
BM11 JF294	Soil		0.6	10.6	6.0	72	<0.1	6.9	5.7	605	1.94	1.8	9.5	0.9	38	<0.1	0.2	0.1	48	0.21	0.063	6
BM11 JF295	Soil		0.6	16.1	6.2	47	<0.1	8.1	5.8	708	2.16	1.6	<0.5	1.7	59	0.1	0.2	<0.1	48	0.46	0.024	21
BM11 JF296	Soil		0.6	17.2	6.7	69	<0.1	11.1	8.9	514	2.46	3.1	<0.5	1.3	42	0.1	0.3	0.1	57	0.37	0.174	6
BM11 JF297	Soil		0.6	17.0	6.7	65	<0.1	10.8	8.4	504	2.41	3.0	<0.5	1.3	42	0.2	0.3	<0.1	57	0.38	0.155	6
BM11 JF298	Soil		0.7	17.4	6.9	66	0.2	11.0	8.3	541	2.45	3.1	871.2	1.4	44	0.1	0.3	0.1	56	0.39	0.154	7
BM11 JF299	Soil		0.6	17.5	7.0	70	<0.1	11.1	8.8	525	2.46	3.0	<0.5	1.3	44	0.2	0.3	0.1	59	0.37	0.161	7
BM11 JF300	Soil		1.1	17.8	7.2	51	<0.1	8.6	8.1	493	2.53	3.8	<0.5	1.5	78	<0.1	0.3	<0.1	64	0.65	0.040	14
BM11 S25	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF301	Soil		0.8	18.5	7.1	52	<0.1	8.9	7.9	473	2.52	3.9	0.7	1.4	74	<0.1	0.3	<0.1	63	0.65	0.041	14
BM11 JF302	Soil		0.9	9.5	5.4	50	<0.1	6.7	5.9	398	1.91	1.7	4.9	0.8	21	<0.1	0.2	<0.1	51	0.26	0.033	6
BM11 JF303	Soil		0.8	7.5	4.5	42	<0.1	5.8	4.3	508	1.58	1.1	1.4	0.6	19	<0.1	0.2	<0.1	45	0.24	0.021	9
BM11 JF304	Soil		0.8	9.3	5.7	62	<0.1	7.5	6.1	348	1.89	1.9	<0.5	1.0	17	<0.1	0.2	<0.1	49	0.20	0.074	5
BM11 JF305	Soil		0.6	12.0	5.1	65	<0.1	10.2	7.0	531	2.00	2.5	<0.5	1.0	23	<0.1	0.2	<0.1	53	0.28	0.065	5
BM11 JF306	Soil		0.5	11.8	5.2	69	<0.1	8.7	6.7	684	2.01	2.5	<0.5	1.0	22	<0.1	0.2	<0.1	54	0.28	0.067	5
BM11 JF307	Soil		0.8	12.7	5.7	64	<0.1	8.5	6.6	613	1.94	2.4	0.6	0.9	23	0.1	0.2	<0.1	49	0.23	0.067	6
BM11 JF308	Soil		0.6	7.9	5.7	63	<0.1	6.7	4.8	671	1.56	1.6	0.6	0.9	20	<0.1	0.2	<0.1	40	0.19	0.099	5
BM11 JF309	Soil		0.5	9.2	5.6	47	<0.1	6.3	4.7	249	1.60	1.2	<0.5	0.8	34	<0.1	0.2	<0.1	43	0.28	0.032	10
BM11 JF310	Soil		0.6	13.7	6.9	54	0.1	10.1	6.4	284	2.29	3.5	<0.5	1.1	29	<0.1	0.2	<0.1	57	0.29	0.093	6
BM11 JF311	Soil		0.5	8.7	6.1	61	0.1	7.6	5.7	687	1.72	2.1	1.6	0.9	18	<0.1	0.2	<0.1	44	0.18	0.083	5
BM11 JF312	Soil		0.7	11.9	6.3	77	<0.1	8.1	7.0	407	2.26	2.8	<0.5	1.1	28	0.1	0.3	<0.1	56	0.27	0.122	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF284	Soil			12	0.31	131	0.113	2	1.80	0.017	0.10	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JF285	Soil			13	0.31	123	0.118	<1	1.71	0.019	0.09	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JF286	Soil			12	0.30	122	0.110	1	1.68	0.017	0.09	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JF287	Soil			14	0.32	87	0.116	<1	1.80	0.016	0.06	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF288	Soil			14	0.32	90	0.120	<1	1.84	0.018	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JF289	Soil			14	0.33	89	0.122	<1	1.87	0.021	0.07	<0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JF290	Soil			15	0.37	146	0.109	2	2.69	0.013	0.10	<0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
BM11 JF291	Soil			15	0.38	132	0.108	<1	2.73	0.013	0.10	<0.1	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
BM11 JF292	Soil			21	0.44	108	0.153	<1	1.81	0.019	0.08	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JF293	Soil			21	0.43	104	0.145	<1	1.75	0.019	0.08	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF294	Soil			12	0.28	105	0.099	<1	1.80	0.015	0.06	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JF295	Soil			13	0.31	104	0.099	2	2.06	0.019	0.12	<0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JF296	Soil			16	0.40	119	0.089	1	2.24	0.015	0.08	<0.1	0.02	3.4	<0.1	<0.05	7	<0.5	<0.2
BM11 JF297	Soil			16	0.39	110	0.089	1	2.13	0.015	0.08	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
BM11 JF298	Soil			15	0.40	115	0.086	1	2.16	0.014	0.08	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	<0.2
BM11 JF299	Soil			16	0.40	115	0.093	1	2.23	0.015	0.08	<0.1	0.03	3.5	<0.1	<0.05	7	<0.5	<0.2
BM11 JF300	Soil			15	0.46	110	0.072	2	1.81	0.018	0.11	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
BM11 S25	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF301	Soil			15	0.45	106	0.071	2	1.93	0.018	0.10	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF302	Soil			12	0.27	96	0.066	<1	1.25	0.013	0.06	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF303	Soil			11	0.20	77	0.059	<1	0.99	0.014	0.05	<0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
BM11 JF304	Soil			12	0.24	118	0.054	<1	1.33	0.013	0.06	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JF305	Soil			14	0.30	131	0.069	<1	1.73	0.013	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF306	Soil			15	0.29	136	0.070	1	1.68	0.013	0.08	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF307	Soil			13	0.26	148	0.055	<1	1.68	0.013	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF308	Soil			10	0.20	133	0.072	<1	1.21	0.012	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF309	Soil			11	0.25	69	0.075	<1	1.28	0.014	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF310	Soil			15	0.35	115	0.077	<1	1.99	0.014	0.06	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JF311	Soil			11	0.22	115	0.073	<1	1.53	0.013	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF312	Soil			15	0.30	135	0.074	<1	1.51	0.012	0.07	<0.1	0.02	2.8	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF313	Soil		0.8	57.7	7.8	67	0.3	21.6	10.1	773	3.10	3.0	<0.5	1.8	88	0.3	0.3	0.1	55	1.09	0.046	66
BM11 JF314	Soil		0.7	9.1	6.5	87	0.2	8.9	6.0	705	1.92	1.9	<0.5	0.9	25	0.1	0.2	0.1	48	0.27	0.106	5
BM11 JF315	Soil		0.7	8.9	6.5	63	0.1	9.4	5.6	433	1.86	1.8	<0.5	0.9	21	<0.1	0.2	<0.1	47	0.21	0.069	5
BM11 JF316	Soil		0.8	9.7	6.9	88	<0.1	8.0	5.5	1300	1.69	2.3	1.6	1.0	19	<0.1	0.2	<0.1	43	0.19	0.123	5
BM11 JF317	Soil		0.6	13.3	6.7	73	<0.1	10.4	5.9	405	1.78	2.4	3.8	1.1	21	<0.1	0.2	0.1	41	0.19	0.076	6
BM11 JF318	Soil		0.7	13.0	6.9	62	<0.1	9.2	6.7	586	2.09	2.4	1.2	1.1	21	<0.1	0.2	0.1	51	0.20	0.068	6
BM11 JF319	Soil		0.8	12.4	7.4	65	<0.1	10.0	6.7	687	2.01	2.5	3.9	1.1	21	<0.1	0.2	0.1	48	0.21	0.068	5
BM11 JF320	Soil		0.6	13.1	6.9	58	<0.1	9.3	6.1	365	2.07	2.5	7.9	1.2	26	<0.1	0.2	<0.1	49	0.24	0.052	6
BM11 JF321	Soil		0.5	8.3	6.3	53	<0.1	5.7	4.0	349	1.61	1.7	<0.5	0.9	24	<0.1	0.2	<0.1	41	0.22	0.043	5
BM11 JF322	Soil		0.6	12.5	6.7	58	<0.1	9.2	5.9	448	2.10	2.2	2.9	1.1	30	<0.1	0.2	<0.1	52	0.23	0.042	6
BM11 JF323	Soil		0.5	11.6	6.3	58	<0.1	8.1	5.5	630	1.77	1.9	0.6	1.0	28	<0.1	0.2	<0.1	45	0.26	0.054	7
BM11 JF324	Soil		0.3	13.0	6.2	44	<0.1	7.8	5.1	507	1.66	1.2	0.5	1.0	30	<0.1	0.2	<0.1	43	0.30	0.018	18
BM11 JF325	Soil		0.5	9.0	5.8	57	<0.1	7.6	5.1	446	1.78	2.1	1.2	0.9	25	<0.1	0.2	0.1	44	0.25	0.061	5
BM11 JF326	Soil		0.8	12.9	6.4	58	<0.1	7.7	6.6	446	2.27	3.4	0.5	1.0	34	<0.1	0.3	<0.1	58	0.24	0.066	5
BM11 JF327	Soil		0.6	9.0	6.1	50	<0.1	7.3	5.3	479	1.68	2.2	1.3	0.8	22	<0.1	0.2	0.3	42	0.17	0.088	4
BM11 JF328	Soil		0.6	9.6	5.8	46	<0.1	7.7	5.3	231	1.73	2.1	2.0	0.9	21	<0.1	0.2	0.2	43	0.18	0.047	5
BM11 JF329	Soil		0.4	6.8	5.6	44	<0.1	5.8	4.1	440	1.45	2.2	0.7	0.7	16	<0.1	0.2	0.2	34	0.13	0.067	4
BM11 JF330	Soil		0.5	6.2	5.4	51	<0.1	6.8	4.6	519	1.45	2.3	2.0	0.7	14	<0.1	0.2	0.1	34	0.14	0.062	4
BM11 JF331	Soil		0.6	7.8	5.5	37	<0.1	6.5	4.7	306	1.59	2.1	0.5	0.7	21	<0.1	0.2	0.1	41	0.19	0.043	4
BM11 JF332	Soil		0.4	8.3	5.3	30	<0.1	5.4	3.5	335	1.20	1.8	<0.5	0.6	25	<0.1	0.1	<0.1	31	0.18	0.021	10
BM11 JF333	Soil		0.5	7.3	6.6	52	<0.1	6.2	4.4	213	1.56	3.1	1.4	0.7	19	<0.1	0.1	0.1	35	0.16	0.101	6
BM11 JF334	Soil		0.5	9.4	6.3	52	<0.1	7.6	4.8	189	1.66	3.0	<0.5	0.8	22	<0.1	0.1	0.1	35	0.17	0.108	6
BM11 JF335	Soil		0.5	9.1	6.0	47	<0.1	6.7	4.6	199	1.56	3.0	0.6	0.8	22	<0.1	<0.1	0.1	34	0.17	0.090	6
BM11 JF336	Soil		0.5	10.5	6.6	50	0.1	7.7	5.0	204	1.59	3.0	0.5	0.8	27	<0.1	0.1	0.1	37	0.21	0.081	8
BM11 JF337	Soil		0.7	6.8	6.1	68	<0.1	6.4	4.5	727	1.61	2.8	1.5	0.7	18	<0.1	0.1	0.1	39	0.17	0.099	4
BM11 JF338	Soil		0.7	8.3	6.3	65	<0.1	7.6	5.3	543	1.75	3.3	<0.5	0.8	19	<0.1	0.2	0.1	43	0.16	0.115	4
BM11 JF339	Soil		0.7	9.5	6.0	66	<0.1	8.0	5.4	463	1.86	3.2	17.6	0.9	20	<0.1	0.2	0.1	46	0.17	0.109	4
BM11 JF340	Soil		0.7	9.3	6.2	66	<0.1	8.4	5.7	502	1.91	3.4	<0.5	0.9	19	<0.1	0.2	0.1	48	0.16	0.108	4
BM11 JF341	Soil		0.6	10.7	5.6	50	<0.1	7.2	5.9	299	2.04	3.0	<0.5	0.9	42	<0.1	0.2	<0.1	57	0.25	0.070	5
BM11 JF342	Soil		0.6	11.5	5.5	46	<0.1	7.4	5.9	298	2.14	3.2	0.9	0.9	46	<0.1	0.3	<0.1	60	0.26	0.065	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JF313	Soil			28	0.74	222	0.043	<1	4.14	0.018	0.13	<0.1	0.05	11.7	<0.1	<0.05	11	1.8	<0.2
BM11 JF314	Soil			13	0.25	126	0.061	<1	1.49	0.012	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF315	Soil			12	0.25	110	0.064	<1	1.45	0.012	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF316	Soil			12	0.22	152	0.062	<1	1.61	0.013	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF317	Soil			12	0.27	135	0.056	<1	2.00	0.016	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JF318	Soil			14	0.33	106	0.064	<1	1.77	0.012	0.07	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF319	Soil			14	0.32	111	0.058	1	1.74	0.018	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF320	Soil			13	0.33	130	0.058	<1	2.10	0.011	0.10	<0.1	0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JF321	Soil			11	0.23	114	0.058	<1	1.30	0.011	0.05	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF322	Soil			14	0.33	119	0.057	<1	1.90	0.011	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF323	Soil			12	0.26	132	0.058	<1	1.55	0.014	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF324	Soil			13	0.30	102	0.065	<1	1.39	0.020	0.06	<0.1	0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JF325	Soil			12	0.23	115	0.055	<1	1.35	0.011	0.05	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JF326	Soil			14	0.34	111	0.069	<1	1.86	0.011	0.06	<0.1	<0.01	2.9	<0.1	<0.05	6	0.7	<0.2
BM11 JF327	Soil			10	0.21	106	0.056	2	1.46	0.011	0.06	<0.1	0.01	1.6	<0.1	0.06	5	<0.5	<0.2
BM11 JF328	Soil			11	0.24	110	0.052	2	1.46	0.011	0.08	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF329	Soil			9	0.18	104	0.042	1	1.22	0.011	0.05	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF330	Soil			9	0.19	106	0.048	2	1.09	0.010	0.06	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JF331	Soil			10	0.21	95	0.040	1	1.00	0.010	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JF332	Soil			9	0.19	98	0.043	1	0.92	0.012	0.04	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11 JF333	Soil			10	0.18	95	0.028	1	1.34	0.011	0.05	<0.1	0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF334	Soil			10	0.21	93	0.029	<1	1.53	0.013	0.05	<0.1	0.02	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF335	Soil			10	0.21	93	0.027	1	1.41	0.012	0.05	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF336	Soil			10	0.23	104	0.028	<1	1.41	0.013	0.06	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF337	Soil			10	0.17	178	0.042	1	1.19	0.013	0.05	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF338	Soil			11	0.21	132	0.048	1	1.39	0.016	0.06	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF339	Soil			12	0.23	148	0.048	1	1.43	0.017	0.06	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF340	Soil			13	0.24	130	0.053	<1	1.44	0.014	0.06	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JF341	Soil			13	0.26	108	0.099	<1	1.30	0.017	0.07	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF342	Soil			14	0.28	111	0.103	1	1.37	0.021	0.06	<0.1	0.01	2.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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	
BM11 JF343	Soil		0.6	11.8	5.5	47	<0.1	7.5	5.7	276	2.15	3.2	0.6	0.9	49	<0.1	0.2	<0.1	60	0.29	0.063	6
BM11 JF344	Soil		0.5	9.7	5.2	41	<0.1	6.4	5.1	242	1.87	2.4	1.0	0.8	41	<0.1	0.2	<0.1	51	0.25	0.060	5
BM11 JF345	Soil		0.5	9.9	5.2	42	<0.1	6.5	5.2	227	1.87	2.5	<0.5	0.8	42	<0.1	0.2	<0.1	51	0.26	0.053	7
BM11 JF346	Soil		0.6	8.1	6.0	56	<0.1	7.7	5.2	322	1.71	2.6	1.6	0.9	22	<0.1	0.2	<0.1	42	0.19	0.120	4
BM11 JF347	Soil		0.6	14.0	6.2	54	<0.1	8.6	6.9	546	2.31	2.8	0.9	1.2	58	<0.1	0.2	0.2	65	0.28	0.045	6
BM11 JF348	Soil		0.6	13.0	6.2	51	<0.1	8.6	6.8	349	2.07	2.4	1.5	1.0	42	<0.1	0.2	0.1	56	0.26	0.051	5
BM11 JF349	Soil		0.6	11.3	6.3	53	<0.1	7.4	6.3	744	2.08	2.2	0.6	1.0	52	<0.1	0.2	0.1	58	0.28	0.044	5
BM11 JF350	Soil		0.6	16.2	6.3	100	<0.1	14.2	8.2	582	2.19	2.6	2.6	1.1	28	0.1	0.2	<0.1	56	0.33	0.089	5
BM11 S27	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF351	Soil		0.5	16.4	6.1	104	<0.1	14.9	8.3	583	2.23	2.4	<0.5	1.1	29	0.2	0.2	0.1	59	0.34	0.093	5
BM11 JF352	Soil		0.6	15.8	6.1	101	<0.1	13.9	8.3	589	2.19	2.4	1.2	1.2	28	0.1	0.2	<0.1	57	0.31	0.093	5
BM11 JF353	Soil		0.9	26.1	6.7	79	<0.1	14.8	11.5	590	2.95	3.9	1.7	1.4	46	0.1	0.4	<0.1	79	0.53	0.093	8
BM11 JF354	Soil		0.7	11.6	5.9	64	<0.1	9.2	6.2	384	2.16	2.5	1.4	0.9	28	0.1	0.3	<0.1	59	0.33	0.070	5
BM11 JF355	Soil		0.7	11.3	6.7	65	<0.1	9.3	6.1	317	2.10	2.6	0.7	0.9	28	0.1	0.2	<0.1	53	0.33	0.081	5
BM11 JF356	Soil		1.2	12.0	6.2	48	<0.1	9.8	6.7	285	2.05	2.7	1.7	1.0	26	<0.1	0.2	0.1	55	0.30	0.043	5
BM11 JF357	Soil		1.1	12.9	6.6	51	<0.1	9.5	6.5	349	1.99	2.5	1.0	0.9	32	0.1	0.2	<0.1	54	0.38	0.051	5
BM11 JF358	Soil		1.2	11.8	6.6	49	<0.1	9.0	6.1	332	1.96	2.4	<0.5	0.9	28	<0.1	0.2	<0.1	53	0.35	0.045	5
BM11 JF359	Soil		1.0	10.1	6.6	60	<0.1	8.5	5.9	390	2.09	2.4	<0.5	1.0	19	<0.1	0.2	<0.1	51	0.19	0.085	5
BM11 JF360	Soil		1.2	8.9	7.4	62	<0.1	7.6	5.9	630	1.93	1.9	1.0	0.9	21	<0.1	0.2	0.1	48	0.24	0.082	5
BM11 JF361	Soil		1.0	9.6	7.8	65	<0.1	8.2	5.9	693	1.97	2.2	3.0	0.9	22	0.1	0.2	0.1	48	0.25	0.083	4
BM11 JF362	Soil		0.7	9.3	6.4	72	0.1	7.6	4.7	161	1.79	2.2	5.2	0.8	29	<0.1	0.2	<0.1	43	0.25	0.084	5
BM11 JF363	Soil		0.9	12.1	6.8	60	0.1	9.6	6.5	380	2.20	3.1	1.0	1.0	27	<0.1	0.2	<0.1	57	0.27	0.095	5
BM11 JF364	Soil		0.6	9.6	6.0	58	<0.1	8.1	5.0	209	1.76	2.1	<0.5	0.9	30	<0.1	0.2	<0.1	44	0.32	0.087	7
BM11 JF365	Soil		0.5	13.9	4.8	42	<0.1	8.7	5.1	387	1.86	1.5	1.1	1.1	34	<0.1	0.2	<0.1	50	0.31	0.016	9
BM11 JF366	Soil		0.4	12.8	5.0	41	<0.1	8.5	4.3	301	1.68	1.3	0.9	0.9	34	<0.1	0.1	<0.1	44	0.31	0.019	8
BM11 JF367	Soil		0.7	12.2	5.9	62	<0.1	9.9	6.6	253	2.09	2.0	<0.5	0.9	36	<0.1	0.2	<0.1	54	0.26	0.083	5
BM11 JF368	Soil		0.4	8.2	5.3	43	<0.1	6.5	4.2	173	1.64	1.6	3.3	0.7	33	<0.1	0.2	<0.1	47	0.22	0.033	5
BM11 JF369	Soil		0.3	11.7	5.2	39	<0.1	7.5	4.4	295	1.71	1.5	0.6	0.9	51	<0.1	0.2	<0.1	48	0.31	0.015	9
BM11 JF370	Soil		0.4	19.9	6.4	45	<0.1	11.9	6.8	436	2.12	2.4	2.1	1.4	55	<0.1	0.2	<0.1	53	0.40	0.034	15
BM11 JF371	Soil		0.5	9.3	5.4	46	<0.1	7.7	5.0	141	1.74	2.1	0.7	1.0	36	<0.1	0.2	<0.1	49	0.21	0.053	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	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
BM11 JF343	Soil	14	0.28	113	0.110	1	1.34	0.014	0.07	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF344	Soil	12	0.23	97	0.096	1	1.25	0.018	0.06	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF345	Soil	12	0.24	94	0.094	<1	1.26	0.018	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF346	Soil	12	0.21	103	0.062	<1	1.44	0.012	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JF347	Soil	13	0.31	160	0.126	1	1.80	0.019	0.09	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JF348	Soil	13	0.29	135	0.114	1	1.79	0.015	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF349	Soil	13	0.27	157	0.115	<1	1.63	0.015	0.08	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF350	Soil	17	0.35	130	0.091	1	1.83	0.020	0.09	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 S27	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JF351	Soil	17	0.36	129	0.099	1	1.93	0.016	0.10	<0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JF352	Soil	17	0.35	125	0.097	1	1.87	0.021	0.09	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JF353	Soil	23	0.57	135	0.124	2	1.75	0.024	0.13	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JF354	Soil	14	0.28	115	0.078	<1	1.38	0.016	0.08	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF355	Soil	14	0.28	122	0.075	1	1.56	0.023	0.08	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF356	Soil	14	0.26	99	0.072	1	1.54	0.020	0.07	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF357	Soil	14	0.26	112	0.074	2	1.50	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF358	Soil	14	0.25	101	0.061	<1	1.41	0.015	0.07	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JF359	Soil	13	0.26	111	0.062	<1	1.48	0.015	0.06	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF360	Soil	12	0.23	117	0.063	<1	1.39	0.019	0.06	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF361	Soil	12	0.24	123	0.066	<1	1.41	0.018	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF362	Soil	13	0.23	100	0.054	<1	1.50	0.016	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF363	Soil	16	0.31	129	0.064	<1	1.53	0.016	0.08	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF364	Soil	12	0.22	117	0.063	<1	1.42	0.014	0.08	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JF365	Soil	15	0.29	87	0.092	<1	1.36	0.026	0.05	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JF366	Soil	13	0.26	85	0.083	<1	1.43	0.029	0.05	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF367	Soil	16	0.30	121	0.090	<1	1.69	0.018	0.07	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF368	Soil	13	0.22	78	0.094	<1	1.17	0.017	0.04	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JF369	Soil	14	0.28	85	0.112	<1	1.23	0.021	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF370	Soil	19	0.41	116	0.093	<1	1.99	0.031	0.08	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF371	Soil	13	0.22	95	0.093	<1	1.27	0.018	0.05	<0.1	<0.01	2.3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003937.1

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		
				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	
BM11 JF372	Soil			0.4	8.6	4.8	42	<0.1	8.1	4.5	295	1.63	0.7	<0.5	0.7	33	<0.1	0.2	<0.1	57	0.22	0.028	5
BM11 JF373	Soil			0.5	9.6	5.2	59	<0.1	10.7	6.2	359	2.11	0.5	2.5	0.9	40	<0.1	0.2	<0.1	69	0.23	0.054	4
BM11 JF374	Soil			0.5	8.7	5.0	66	<0.1	8.4	5.6	294	1.91	2.4	0.9	0.7	38	<0.1	0.2	<0.1	68	0.24	0.057	4
BM11 JF375	Soil			0.4	7.0	5.5	46	<0.1	6.3	4.1	231	1.69	<0.5	<0.5	0.7	42	<0.1	0.3	<0.1	59	0.19	0.035	4
BM11 JF376	Soil			0.7	17.4	4.8	61	<0.1	11.6	8.6	428	2.69	3.7	<0.5	0.9	33	0.1	0.3	<0.1	87	0.28	0.130	5
BM11 JF377	Soil			0.6	13.3	5.8	49	<0.1	7.5	6.1	374	2.15	2.6	<0.5	1.0	52	<0.1	0.3	<0.1	72	0.27	0.040	5
BM11 JF378	Soil			0.6	10.7	5.3	49	<0.1	7.7	6.0	542	2.04	1.8	<0.5	1.0	52	<0.1	0.2	<0.1	68	0.26	0.038	5
BM11 JF379	Soil			0.6	12.6	5.4	45	<0.1	7.5	5.7	443	2.08	2.3	<0.5	0.9	54	<0.1	0.3	<0.1	69	0.27	0.040	5
BM11 JF380	Soil			0.6	16.2	5.8	50	<0.1	8.0	6.4	328	2.41	3.1	<0.5	1.2	61	<0.1	0.3	<0.1	78	0.27	0.038	6
BM11 JF381	Soil			0.5	13.0	5.6	49	<0.1	7.7	6.1	613	2.11	1.7	36.6	0.9	49	<0.1	0.3	<0.1	68	0.27	0.037	5
BM11 JF382	Soil			0.6	14.4	5.8	48	<0.1	7.6	6.2	453	2.29	2.3	<0.5	1.0	59	<0.1	0.3	<0.1	73	0.28	0.036	6
BM11 JF383	Soil			0.5	11.4	6.1	53	<0.1	7.4	6.3	565	2.08	0.6	<0.5	1.0	55	<0.1	0.2	<0.1	68	0.27	0.045	5
BM11 JF384	Soil			0.7	8.4	5.8	69	<0.1	7.1	5.4	823	1.82	0.7	<0.5	0.8	24	0.1	0.2	<0.1	54	0.25	0.089	4
BM11 JF385	Soil			0.7	10.2	5.0	52	<0.1	7.0	5.3	474	1.97	1.0	2.3	0.8	34	0.1	0.2	<0.1	65	0.25	0.023	7
BM11 JF386	Soil			1.0	12.9	5.0	71	<0.1	8.8	6.4	387	2.11	2.1	0.6	0.9	24	<0.1	0.2	<0.1	63	0.23	0.110	5
BM11 JF387	Soil			0.6	7.7	4.8	63	<0.1	6.2	4.8	417	1.69	0.9	<0.5	0.7	20	0.1	0.2	<0.1	51	0.20	0.044	4
BM11 JF388	Soil			0.6	8.2	4.9	63	<0.1	6.4	4.9	416	1.77	0.9	<0.5	0.8	21	0.2	0.2	<0.1	53	0.22	0.045	4
BM11 JF389	Soil			0.4	6.3	4.2	35	<0.1	6.5	3.7	257	1.43	1.3	<0.5	0.5	31	<0.1	0.1	<0.1	47	0.23	0.024	6
BM11 JF390	Soil			0.8	12.1	4.8	65	<0.1	10.3	6.8	382	2.11	2.9	3.7	0.8	30	0.1	0.2	<0.1	62	0.28	0.075	6
BM11 JF391	Soil			0.5	11.9	5.2	49	<0.1	9.0	5.7	394	1.91	1.6	<0.5	0.7	27	0.1	0.2	<0.1	58	0.28	0.036	9
BM11 JF392	Soil			0.5	11.1	5.3	69	<0.1	12.0	6.4	240	2.16	1.1	<0.5	0.9	30	0.1	0.2	<0.1	67	0.21	0.070	5
BM11 JF393	Soil			0.7	13.6	5.7	73	<0.1	11.9	7.2	674	2.16	2.0	<0.5	1.0	25	0.1	0.2	<0.1	57	0.25	0.085	5
BM11 JF394	Soil			0.7	9.1	5.6	48	<0.1	10.1	5.9	426	1.89	1.4	<0.5	0.8	43	<0.1	0.2	<0.1	60	0.24	0.052	4
BM11 JF395	Soil			0.7	11.0	5.6	61	<0.1	12.7	6.8	482	2.12	1.6	<0.5	0.9	31	<0.1	0.2	<0.1	61	0.22	0.070	5
BM11 JF396	Soil			0.7	11.2	5.7	60	<0.1	11.6	6.4	535	1.97	1.9	<0.5	0.9	26	0.1	0.2	<0.1	54	0.24	0.062	5
BM11 JF397	Soil			0.6	13.7	5.8	59	<0.1	10.6	7.1	488	2.20	2.9	<0.5	1.1	41	<0.1	0.2	<0.1	67	0.29	0.052	6
BM11 JF398	Soil			0.5	11.1	5.8	54	<0.1	9.3	5.1	450	1.79	0.9	2.1	0.9	45	<0.1	0.2	<0.1	60	0.29	0.031	9
BM11 JF399	Soil			0.6	11.4	5.4	66	<0.1	15.4	7.6	414	2.33	2.2	<0.5	0.8	64	0.2	0.2	<0.1	77	0.34	0.056	5
BM11 JF400	Soil			0.6	14.7	5.6	53	<0.1	12.8	7.9	339	2.68	4.1	1.9	1.1	87	<0.1	0.3	<0.1	91	0.37	0.047	6
BM11 S34	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

Method	Analyte	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	0.01	0.05	1	0.5	0.2
BM11 JF372	Soil	11	0.26	84	0.088	<1	1.24	0.017	0.05	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JF373	Soil	14	0.32	112	0.094	<1	1.52	0.021	0.09	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF374	Soil	12	0.26	98	0.106	<1	1.38	0.015	0.08	<0.1	<0.01	2.4	<0.1	<0.05	5	0.6	<0.2
BM11 JF375	Soil	10	0.25	86	0.102	<1	1.24	0.013	0.06	<0.1	<0.01	2.2	<0.1	<0.05	4	0.5	<0.2
BM11 JF376	Soil	19	0.41	119	0.083	2	1.76	0.014	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JF377	Soil	12	0.35	133	0.110	<1	1.72	0.016	0.07	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JF378	Soil	11	0.28	145	0.103	<1	1.67	0.015	0.07	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF379	Soil	12	0.33	135	0.102	<1	1.56	0.018	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF380	Soil	14	0.40	156	0.104	<1	1.82	0.017	0.07	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF381	Soil	12	0.32	141	0.102	<1	1.66	0.017	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF382	Soil	13	0.34	151	0.111	<1	1.71	0.019	0.07	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JF383	Soil	12	0.29	158	0.116	1	1.80	0.022	0.08	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JF384	Soil	10	0.23	85	0.056	<1	1.46	0.016	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF385	Soil	13	0.28	70	0.077	<1	1.28	0.017	0.05	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF386	Soil	13	0.31	106	0.062	<1	1.58	0.014	0.07	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JF387	Soil	10	0.24	72	0.065	<1	1.22	0.020	0.05	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF388	Soil	11	0.25	77	0.069	1	1.26	0.020	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JF389	Soil	12	0.21	47	0.079	<1	1.00	0.022	0.05	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11 JF390	Soil	14	0.30	82	0.069	<1	1.49	0.018	0.07	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF391	Soil	14	0.28	86	0.075	<1	1.30	0.019	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JF392	Soil	15	0.34	77	0.098	<1	1.57	0.018	0.05	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF393	Soil	14	0.33	104	0.086	<1	1.99	0.018	0.07	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF394	Soil	13	0.27	109	0.104	<1	1.49	0.018	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF395	Soil	15	0.32	106	0.087	<1	1.73	0.020	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JF396	Soil	14	0.28	101	0.086	2	1.79	0.021	0.07	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JF397	Soil	16	0.38	111	0.095	<1	1.51	0.019	0.07	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JF398	Soil	9	0.32	123	0.110	<1	1.31	0.019	0.06	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF399	Soil	24	0.40	134	0.113	<1	1.68	0.020	0.07	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF400	Soil	18	0.44	141	0.144	<1	1.60	0.020	0.10	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
BM11 S34	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 9 of 9 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11003937.1**

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	
BM11 JF401	Soil	0.4	8.1	5.1	63	<0.1	9.4	4.8	302	1.55	0.9	<0.5	0.7	32	<0.1	0.1	<0.1	47	0.24	0.039	5
BM11 JF402	Soil	0.4	9.0	5.5	66	<0.1	9.6	4.8	386	1.59	<0.5	<0.5	0.7	35	<0.1	0.1	<0.1	48	0.25	0.034	5
BM11 JF403	Soil	0.4	8.9	6.2	71	<0.1	10.4	5.0	560	1.57	2.0	1.1	0.7	38	0.1	0.1	<0.1	47	0.28	0.041	5
BM11 JF404	Soil	0.3	9.3	5.7	70	<0.1	11.1	5.0	458	1.56	1.0	<0.5	0.7	38	<0.1	0.1	<0.1	49	0.28	0.038	5
BM11 JF405	Soil	0.4	9.3	5.5	63	<0.1	10.8	4.9	338	1.60	1.8	<0.5	0.7	37	<0.1	0.1	<0.1	51	0.25	0.039	5



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003937.1

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
BM11 JF401	Soil	15	0.24	78	0.077	<1	1.27	0.019	0.06	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF402	Soil	15	0.25	86	0.083	<1	1.40	0.021	0.07	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF403	Soil	16	0.26	100	0.082	<1	1.35	0.020	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF404	Soil	15	0.27	95	0.082	2	1.40	0.021	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JF405	Soil	16	0.27	87	0.082	<1	1.40	0.018	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 04, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003937.1

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 ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %	1DX15 La ppm
Pulp Duplicates																							
BM11 JF211	Soil			0.5	12.8	8.3	65	<0.1	7.8	8.1	422	2.31	2.8	1.0	1.1	67	0.1	0.2	0.1	81	0.49	0.060	4
REP BM11 JF211	QC			0.5	12.1	8.3	61	<0.1	7.7	7.9	434	2.32	2.7	<0.5	1.1	66	0.1	0.2	0.1	78	0.47	0.061	4
BM11 JF223	Soil			0.8	17.3	8.2	76	<0.1	8.5	11.8	753	2.91	11.2	<0.5	1.5	68	0.1	0.4	0.1	85	0.53	0.092	10
REP BM11 JF223	QC			1.0	18.9	9.2	82	<0.1	9.3	13.2	824	3.17	11.5	<0.5	1.7	74	0.1	0.4	0.1	94	0.57	0.100	11
BM11 JF239	Soil			0.4	12.5	5.1	43	0.1	7.7	4.2	408	1.61	1.4	<0.5	0.9	35	<0.1	0.2	<0.1	42	0.27	0.020	13
REP BM11 JF239	QC			0.5	12.8	5.0	46	<0.1	7.9	4.2	411	1.63	1.2	<0.5	0.9	36	<0.1	0.2	<0.1	43	0.28	0.020	14
BM11 JF269	Soil			0.6	9.9	6.4	80	<0.1	8.6	5.2	525	1.87	2.4	0.7	1.1	24	0.1	0.1	<0.1	45	0.27	0.123	5
REP BM11 JF269	QC			0.8	10.7	6.6	80	<0.1	8.4	5.2	543	1.91	2.3	0.6	1.1	24	0.1	0.2	<0.1	47	0.27	0.129	5
BM11 JF276	Soil			0.6	11.5	6.4	67	<0.1	7.5	5.5	557	1.84	2.2	<0.5	0.9	32	<0.1	0.2	<0.1	44	0.28	0.093	6
REP BM11 JF276	QC			0.5	11.5	6.1	66	<0.1	8.0	5.6	543	1.79	2.4	<0.5	0.9	32	0.1	0.2	<0.1	43	0.27	0.092	6
BM11 JF301	Soil			0.8	18.5	7.1	52	<0.1	8.9	7.9	473	2.52	3.9	0.7	1.4	74	<0.1	0.3	<0.1	63	0.65	0.041	14
REP BM11 JF301	QC			1.0	18.5	6.9	52	<0.1	8.9	8.2	476	2.56	4.0	2.8	1.5	73	<0.1	0.3	<0.1	62	0.67	0.043	15
BM11 JF323	Soil			0.5	11.6	6.3	58	<0.1	8.1	5.5	630	1.77	1.9	0.6	1.0	28	<0.1	0.2	<0.1	45	0.26	0.054	7
REP BM11 JF323	QC			0.5	11.4	6.2	59	<0.1	8.1	5.6	631	1.78	2.2	1.6	1.0	28	<0.1	0.2	<0.1	45	0.26	0.054	7
BM11 JF330	Soil			0.5	6.2	5.4	51	<0.1	6.8	4.6	519	1.45	2.3	2.0	0.7	14	<0.1	0.2	0.1	34	0.14	0.062	4
REP BM11 JF330	QC			0.4	5.9	5.2	48	<0.1	6.3	4.2	491	1.34	2.0	<0.5	0.6	14	<0.1	0.1	0.1	33	0.12	0.057	4
BM11 JF348	Soil			0.6	13.0	6.2	51	<0.1	8.6	6.8	349	2.07	2.4	1.5	1.0	42	<0.1	0.2	0.1	56	0.26	0.051	5
REP BM11 JF348	QC			0.5	12.7	6.3	51	<0.1	8.7	6.8	354	2.08	2.5	4.2	1.1	43	<0.1	0.2	<0.1	57	0.25	0.052	5
BM11 JF369	Soil			0.3	11.7	5.2	39	<0.1	7.5	4.4	295	1.71	1.5	0.6	0.9	51	<0.1	0.2	<0.1	48	0.31	0.015	9
REP BM11 JF369	QC			0.4	11.5	4.9	39	<0.1	7.4	4.4	274	1.71	1.4	0.6	0.9	49	<0.1	0.2	<0.1	48	0.31	0.014	9
BM11 JF383	Soil			0.5	11.4	6.1	53	<0.1	7.4	6.3	565	2.08	0.6	<0.5	1.0	55	<0.1	0.2	<0.1	68	0.27	0.045	5
REP BM11 JF383	QC			0.5	11.0	5.8	50	<0.1	7.4	6.2	567	2.09	1.6	<0.5	1.0	56	<0.1	0.2	<0.1	67	0.27	0.044	5
BM11 JF401	Soil			0.4	8.1	5.1	63	<0.1	9.4	4.8	302	1.55	0.9	<0.5	0.7	32	<0.1	0.1	<0.1	47	0.24	0.039	5
REP BM11 JF401	QC			0.5	7.5	5.3	62	<0.1	9.1	4.8	294	1.53	0.5	<0.5	0.6	32	<0.1	<0.1	<0.1	48	0.24	0.040	5
Reference Materials																							
STD DS8	Standard			14.7	118.1	130.1	328	1.8	42.4	8.4	662	2.65	26.1	119.9	7.3	68	2.4	5.6	6.6	49	0.73	0.084	16
STD DS8	Standard			13.8	117.2	128.0	329	1.9	39.7	8.0	672	2.61	25.8	117.4	7.6	76	2.4	6.1	7.1	47	0.77	0.087	17
STD DS8	Standard			14.5	122.5	130.9	315	1.8	41.7	8.5	630	2.55	24.2	107.5	7.2	66	2.2	5.6	6.1	48	0.70	0.083	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.





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003937.1

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																	
BM11 JF211	Soil	10	0.36	134	0.263	<1	2.62	0.014	0.06	<0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
REP BM11 JF211	QC	9	0.36	129	0.251	<1	2.52	0.015	0.06	<0.1	0.01	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11 JF223	Soil	8	0.52	107	0.338	1	3.34	0.014	0.11	0.2	0.03	5.2	0.1	<0.05	12	<0.5	<0.2
REP BM11 JF223	QC	9	0.58	117	0.373	1	3.69	0.016	0.12	0.2	0.05	5.6	0.1	<0.05	12	<0.5	<0.2
BM11 JF239	Soil	13	0.27	107	0.089	1	1.26	0.018	0.07	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JF239	QC	13	0.27	106	0.093	1	1.33	0.021	0.07	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JF269	Soil	12	0.26	161	0.087	<1	1.62	0.016	0.08	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JF269	QC	13	0.27	170	0.088	1	1.72	0.016	0.08	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JF276	Soil	12	0.28	110	0.081	<1	1.54	0.019	0.07	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JF276	QC	12	0.28	106	0.087	1	1.55	0.017	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF301	Soil	15	0.45	106	0.071	2	1.93	0.018	0.10	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JF301	QC	15	0.45	105	0.067	1	1.84	0.018	0.10	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JF323	Soil	12	0.26	132	0.058	<1	1.55	0.014	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF323	QC	12	0.26	129	0.056	<1	1.55	0.016	0.08	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF330	Soil	9	0.19	106	0.048	2	1.09	0.010	0.06	<0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JF330	QC	9	0.17	97	0.043	1	1.02	0.009	0.05	<0.1	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JF348	Soil	13	0.29	135	0.114	1	1.79	0.015	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JF348	QC	13	0.29	133	0.114	<1	1.81	0.013	0.07	<0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JF369	Soil	14	0.28	85	0.112	<1	1.23	0.021	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JF369	QC	14	0.27	84	0.111	<1	1.20	0.021	0.05	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF383	Soil	12	0.29	158	0.116	1	1.80	0.022	0.08	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JF383	QC	12	0.30	160	0.113	1	1.75	0.017	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF401	Soil	15	0.24	78	0.077	<1	1.27	0.019	0.06	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF401	QC	14	0.24	76	0.079	<1	1.30	0.018	0.06	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	126	0.64	297	0.127	2	0.96	0.102	0.45	3.2	0.21	2.7	5.4	0.19	5	5.5	5.2
STD DS8	Standard	129	0.70	293	0.129	3	1.01	0.104	0.45	3.1	0.20	2.5	5.4	0.17	5	5.4	5.4
STD DS8	Standard	129	0.63	281	0.130	2	0.91	0.092	0.44	3.0	0.20	2.3	5.5	0.24	5	5.3	4.9



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 04, 2011

Page: 2 of 2 Part 1

# QUALITY CONTROL REPORT

VAN11003937.1

		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 DS8	Standard	13.3	105.5	119.2	300	1.7	35.7	7.5	601	2.39	23.9	103.9	7.3	72	2.2	5.9	6.5	42	0.71	0.075	18
STD DS8	Standard	13.5	115.1	123.4	317	1.8	39.0	7.8	618	2.48	25.9	118.0	7.1	71	2.4	5.5	6.3	45	0.72	0.087	16
STD DS8	Standard	12.4	102.2	120.9	295	1.7	36.0	7.1	595	2.35	23.2	108.3	7.1	71	2.3	5.7	6.3	41	0.69	0.073	18
STD DS8	Standard	13.4	109.1	121.5	305	1.8	36.6	7.2	599	2.40	24.5	109.5	7.0	74	2.3	5.6	6.9	49	0.72	0.077	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 04, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003937.1

		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 DS8	Standard	117	0.62	282	0.126	2	0.95	0.102	0.41	2.7	0.17	2.9	5.2	0.13	5	4.9	4.9
STD DS8	Standard	121	0.61	296	0.127	2	0.97	0.114	0.47	3.0	0.19	3.0	5.3	0.16	5	5.0	4.8
STD DS8	Standard	113	0.61	270	0.118	2	0.93	0.078	0.40	3.0	0.19	2.4	5.3	0.15	5	5.4	4.6
STD DS8	Standard	112	0.63	273	0.119	2	0.96	0.105	0.41	3.0	0.18	2.6	5.3	0.06	5	4.8	4.5
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: November 05, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11003938.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #3
P.O. Number
Number of Samples: 185

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains 3 rows of sample preparation data.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT120	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.	
BM11 JT121	Soil		0.5	8.5	6.5	66	0.2	7.9	4.4	410	1.53	2.5	0.8	0.9	17	0.1	0.2	0.1	35	0.15	0.115	5
BM11 JT122	Soil		0.5	9.0	6.7	52	0.2	6.0	4.0	311	1.52	1.9	4.1	0.6	27	0.1	0.2	0.1	37	0.29	0.042	10
BM11 JT123	Soil		0.5	7.2	7.1	69	0.2	5.9	4.2	677	1.39	2.5	<0.5	0.7	27	0.2	0.2	<0.1	34	0.28	0.105	4
BM11 JT124	Soil		0.8	10.3	5.9	48	<0.1	6.5	5.2	336	1.74	2.5	<0.5	1.0	18	<0.1	0.2	<0.1	43	0.16	0.100	5
BM11 JT125	Soil		0.6	10.1	6.0	51	<0.1	6.9	4.7	271	1.78	2.8	<0.5	0.9	20	<0.1	0.2	0.1	44	0.20	0.082	6
BM11 JT126	Soil		0.6	10.4	6.0	50	<0.1	6.5	4.9	372	1.69	2.5	7.0	1.1	24	0.1	0.2	<0.1	43	0.25	0.087	6
BM11 JT127	Soil		0.7	12.9	6.6	65	<0.1	7.6	6.0	630	2.02	3.4	1.9	1.2	27	0.1	0.3	0.1	52	0.28	0.078	6
BM11 JT128	Soil		0.7	10.2	6.0	57	<0.1	7.5	5.6	527	1.90	3.1	<0.5	0.9	21	<0.1	0.2	<0.1	50	0.19	0.064	5
BM11 JT129	Soil		0.8	14.5	6.8	74	<0.1	8.1	7.4	778	2.16	5.2	<0.5	1.1	48	0.2	0.3	0.1	56	0.45	0.060	14
BM11 JT130	Soil		0.5	22.8	7.3	53	0.1	7.3	9.9	455	2.41	3.1	0.5	1.7	99	0.2	0.4	0.2	57	0.54	0.038	24
BM11 JT131	Soil		0.9	16.1	6.8	47	0.1	7.0	5.8	665	1.79	4.4	<0.5	0.6	41	0.1	0.3	<0.1	47	0.69	0.078	8
BM11 JT132	Soil		0.8	12.2	6.0	43	0.1	7.4	5.5	337	2.10	4.5	1.4	0.9	28	<0.1	0.3	<0.1	55	0.25	0.063	6
BM11 JT133	Soil		0.7	12.2	6.5	53	<0.1	8.4	5.4	340	1.81	3.1	0.6	1.2	19	<0.1	0.2	0.1	42	0.18	0.110	5
BM11 JT134	Soil		0.5	6.9	5.2	53	<0.1	8.0	4.0	318	1.42	1.5	<0.5	0.8	26	<0.1	0.1	<0.1	37	0.23	0.078	4
BM11 JT135	Soil		0.6	13.9	5.9	57	<0.1	10.1	5.8	333	1.75	2.3	<0.5	1.2	22	<0.1	0.1	0.1	40	0.21	0.110	7
BM11 JT136	Soil		0.4	12.5	5.0	37	<0.1	7.3	5.2	148	1.53	2.8	<0.5	1.2	76	<0.1	0.1	<0.1	43	0.32	0.088	4
BM11 JT137	Soil		1.0	15.0	4.8	42	<0.1	6.6	5.6	272	2.46	5.9	3.9	1.1	27	<0.1	0.4	0.1	69	0.27	0.017	8
BM11 JT138	Soil		0.9	10.6	7.2	45	<0.1	6.4	4.9	465	1.53	5.9	1.6	0.8	20	<0.1	0.2	0.1	35	0.29	0.088	9
BM11 JT139	Soil		0.7	8.3	6.0	35	<0.1	6.0	4.3	232	1.59	2.8	2.7	0.8	21	<0.1	0.2	<0.1	42	0.24	0.041	4
BM11 JT140	Soil		0.3	5.1	4.1	39	<0.1	4.7	3.3	148	1.10	3.8	0.6	0.7	21	<0.1	0.1	<0.1	33	0.28	0.097	3
BM11 JT141	Soil		0.8	10.1	5.4	48	<0.1	9.8	5.7	216	1.59	56.5	5.0	0.9	39	<0.1	0.9	0.1	38	0.33	0.120	4
BM11 JT142	Soil		0.9	11.2	5.4	40	<0.1	9.4	6.9	271	2.06	10.2	0.6	1.0	49	<0.1	0.3	<0.1	52	0.33	0.019	7
BM11 JT143	Soil		0.4	6.5	6.7	56	0.2	6.4	3.4	207	1.32	3.0	0.5	0.9	16	<0.1	<0.1	0.1	29	0.15	0.111	5
BM11 JT144	Soil		0.6	8.0	6.5	69	<0.1	6.5	4.4	621	1.47	3.1	1.4	1.1	14	<0.1	0.1	0.1	35	0.12	0.138	4
BM11 JT145	Soil		0.6	10.7	6.5	53	<0.1	7.7	4.9	303	1.74	2.9	2.6	1.2	16	<0.1	0.2	<0.1	44	0.15	0.117	5
BM11 JT146	Soil		0.5	7.5	6.0	49	<0.1	5.1	4.2	301	1.49	4.6	1.1	0.7	13	<0.1	0.1	0.1	42	0.17	0.110	3
BM11 JT147	Soil		0.5	7.8	5.6	49	<0.1	6.0	4.2	512	1.48	1.7	0.9	0.8	21	<0.1	0.1	<0.1	38	0.21	0.063	5
BM11 JT148	Soil		0.6	9.5	6.1	46	<0.1	7.2	4.9	239	1.70	2.8	1.5	0.7	23	0.1	0.2	<0.1	44	0.26	0.075	4
BM11 JT149	Soil		0.4	4.2	6.1	55	<0.1	4.8	2.8	383	0.99	1.7	<0.5	0.8	14	<0.1	<0.1	<0.1	24	0.13	0.094	3

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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 05, 2011

**Page:** 2 of 8 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003938.1

Method	Analyte	Unit	MDL	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	Ti	S	Ga	Se	Te
				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	
BM11 JT120	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.	
BM11 JT121	Soil			9	0.17	139	0.057	1	1.28	0.012	0.07	0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT122	Soil			10	0.19	152	0.050	1	1.06	0.013	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JT123	Soil			8	0.15	159	0.055	1	1.07	0.013	0.08	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT124	Soil			11	0.21	133	0.057	<1	1.30	0.012	0.05	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT125	Soil			12	0.22	114	0.061	<1	1.21	0.012	0.07	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JT126	Soil			10	0.22	146	0.077	<1	1.37	0.014	0.07	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT127	Soil			12	0.28	146	0.104	2	1.66	0.014	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT128	Soil			11	0.24	121	0.078	<1	1.31	0.016	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JT129	Soil			14	0.33	142	0.125	<1	1.30	0.010	0.21	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT130	Soil			9	0.49	178	0.121	<1	2.09	0.183	0.38	<0.1	0.02	7.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JT131	Soil			12	0.29	95	0.070	3	1.22	0.014	0.10	<0.1	0.06	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JT132	Soil			13	0.24	113	0.072	1	1.03	0.017	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT133	Soil			11	0.24	138	0.062	<1	1.77	0.015	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT134	Soil			9	0.17	113	0.064	<1	1.02	0.016	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT135	Soil			13	0.25	140	0.071	<1	1.89	0.017	0.08	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT136	Soil			10	0.31	60	0.148	2	2.11	0.028	0.06	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JT137	Soil			14	0.30	64	0.081	<1	0.92	0.015	0.05	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
BM11 JT138	Soil			9	0.18	109	0.061	1	2.03	0.015	0.09	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
BM11 JT139	Soil			10	0.19	103	0.056	<1	1.00	0.016	0.07	<0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT140	Soil			7	0.13	52	0.096	2	0.87	0.024	0.07	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JT141	Soil			10	0.24	122	0.094	1	1.55	0.018	0.10	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JT142	Soil			13	0.36	100	0.058	<1	2.00	0.021	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JT143	Soil			8	0.15	142	0.043	<1	1.45	0.015	0.05	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JT144	Soil			10	0.18	129	0.064	<1	1.32	0.013	0.05	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT145	Soil			11	0.20	107	0.062	<1	1.59	0.013	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JT146	Soil			8	0.20	72	0.078	<1	1.47	0.015	0.06	<0.1	0.04	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT147	Soil			10	0.19	147	0.067	<1	1.29	0.012	0.07	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT148	Soil			12	0.21	87	0.078	<1	1.30	0.016	0.08	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JT149	Soil			6	0.09	119	0.059	<1	1.11	0.017	0.05	<0.1	<0.01	1.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La 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	
BM11 JT150	Soil	0.7	8.7	5.9	65	<0.1	5.7	4.4	300	1.71	2.4	3.2	0.8	20	<0.1	0.3	<0.1	46	0.19	0.067	5
BM11 S17	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT151	Soil	0.6	32.3	5.0	53	0.1	11.2	10.1	334	2.96	8.1	0.9	1.7	432	0.1	0.3	<0.1	100	1.37	0.239	12
BM11 JT152	Soil	0.3	14.8	5.6	35	<0.1	8.4	6.8	214	2.30	5.5	0.9	0.9	50	<0.1	0.1	<0.1	67	0.71	0.035	9
BM11 JT153	Soil	0.4	11.3	7.0	48	<0.1	6.7	4.9	235	1.46	4.5	<0.5	1.5	38	<0.1	0.1	0.1	36	0.32	0.168	6
BM11 JT154	Soil	0.3	19.4	5.6	70	<0.1	23.2	11.4	385	2.35	4.3	<0.5	1.3	81	0.2	0.2	<0.1	62	0.72	0.176	9
BM11 JT155	Soil	0.6	17.0	5.5	44	<0.1	8.9	9.8	291	2.71	3.7	<0.5	1.0	148	<0.1	0.1	<0.1	90	0.89	0.073	5
BM11 JT156	Soil	0.8	12.8	5.5	46	<0.1	10.5	7.1	312	2.13	3.3	0.5	1.1	72	<0.1	0.1	<0.1	66	0.52	0.049	7
BM11 JT157	Soil	0.6	13.7	5.8	51	0.1	5.0	5.3	467	1.78	3.1	0.7	1.1	71	<0.1	<0.1	0.1	63	0.23	0.146	6
BM11 JT158	Soil	0.5	7.9	5.2	48	<0.1	5.4	3.5	469	1.09	1.8	<0.5	1.0	34	0.1	<0.1	0.1	51	0.24	0.101	4
BM11 JT159	Soil	0.4	13.1	5.7	72	<0.1	12.0	5.8	486	1.82	0.7	8.0	1.1	24	0.1	0.2	0.1	61	0.23	0.086	5
BM11 JT160	Soil	0.5	10.2	5.4	54	<0.1	8.4	5.0	361	1.69	3.2	11.7	1.0	25	<0.1	0.2	<0.1	61	0.24	0.065	5
BM11 JT161	Soil	0.5	11.6	5.0	60	<0.1	23.8	9.0	287	2.51	2.3	<0.5	0.9	40	<0.1	0.2	<0.1	81	0.51	0.036	5
BM11 JT162	Soil	0.5	13.0	5.8	74	<0.1	15.8	6.9	364	2.02	2.8	1.6	1.3	21	0.1	0.1	0.1	63	0.23	0.123	4
BM11 JT163	Soil	0.6	14.4	5.2	59	<0.1	13.6	7.2	354	2.21	2.6	1.4	1.0	29	0.1	0.2	<0.1	76	0.35	0.083	5
BM11 JT164	Soil	0.5	17.5	5.2	79	<0.1	11.1	6.7	878	2.14	3.0	<0.5	1.1	41	0.2	0.2	<0.1	73	0.53	0.150	6
BM11 JT165	Soil	0.5	13.2	5.2	95	<0.1	11.8	6.5	927	2.05	2.8	0.5	1.0	23	0.2	0.1	<0.1	65	0.22	0.192	4
BM11 JT166	Soil	0.5	11.8	6.3	74	<0.1	12.2	6.1	594	2.04	2.3	11.5	1.2	23	0.1	0.2	0.1	74	0.22	0.115	4
BM11 JT167	Soil	0.6	13.1	5.2	61	<0.1	10.9	6.5	703	1.94	2.4	<0.5	1.0	22	<0.1	0.2	0.1	69	0.20	0.123	4
BM11 JT168	Soil	0.5	10.6	6.4	66	<0.1	10.7	5.5	437	1.83	2.4	4.2	1.0	23	0.1	0.2	<0.1	57	0.22	0.067	5
BM11 JT169	Soil	0.4	12.9	5.8	48	<0.1	10.0	5.4	347	1.90	2.1	1.6	1.0	23	<0.1	0.2	0.1	67	0.23	0.041	6
BM11 JT170	Soil	0.5	10.2	5.3	38	<0.1	7.8	5.2	236	2.11	2.5	<0.5	0.9	32	<0.1	0.3	<0.1	72	0.28	0.024	5
BM11 JT171	Soil	0.3	11.3	4.2	52	<0.1	7.7	5.8	398	2.25	3.9	0.7	0.9	41	<0.1	0.2	<0.1	94	0.32	0.048	7
BM11 JT172	Soil	0.6	17.3	6.2	50	<0.1	8.2	7.0	454	2.25	4.2	3.6	1.2	62	0.1	0.4	<0.1	71	0.59	0.068	11
BM11 JT173	Soil	0.7	16.3	5.6	82	0.1	7.5	6.8	757	2.24	3.5	0.5	1.1	46	0.2	0.3	<0.1	69	0.44	0.155	8
BM11 JT174	Soil	1.0	20.5	5.8	55	<0.1	9.2	7.7	518	2.53	4.4	3.8	1.3	58	0.2	0.4	<0.1	81	0.43	0.074	12
BM11 JT175	Soil	0.8	24.0	5.3	47	<0.1	10.2	7.5	406	2.67	5.2	3.1	1.3	61	<0.1	0.3	<0.1	89	0.47	0.042	14
BM11 JT176	Soil	0.4	16.8	5.5	78	<0.1	13.0	6.4	570	1.97	2.7	1.1	1.3	26	0.2	0.2	<0.1	68	0.24	0.091	5
BM11 JT177	Soil	0.3	15.9	4.5	44	<0.1	12.8	6.7	257	2.25	2.5	<0.5	1.1	29	<0.1	0.2	<0.1	80	0.29	0.060	4
BM11 JT178	Soil	0.5	12.3	4.6	46	<0.1	10.5	5.7	344	1.94	1.6	1.7	0.9	29	<0.1	0.1	<0.1	68	0.23	0.056	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT150	Soil	11	0.19	136	0.058	<1	0.95	0.013	0.05	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 S17	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT151	Soil	19	0.66	120	0.270	3	4.11	0.018	0.11	0.2	0.05	8.3	<0.1	<0.05	14	<0.5	<0.2
BM11 JT152	Soil	12	0.36	59	0.184	<1	2.59	0.027	0.10	<0.1	0.03	5.0	<0.1	<0.05	7	<0.5	<0.2
BM11 JT153	Soil	7	0.24	72	0.164	1	2.39	0.021	0.07	0.1	0.03	2.7	<0.1	<0.05	8	<0.5	<0.2
BM11 JT154	Soil	14	0.65	54	0.218	1	2.57	0.038	0.08	<0.1	0.03	4.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JT155	Soil	11	0.42	111	0.363	<1	2.72	0.028	0.30	0.1	0.01	6.0	<0.1	<0.05	8	<0.5	<0.2
BM11 JT156	Soil	11	0.39	106	0.158	4	2.58	0.027	0.08	<0.1	0.02	3.9	<0.1	0.06	8	<0.5	<0.2
BM11 JT157	Soil	4	0.23	60	0.121	2	2.77	0.037	0.05	<0.1	0.03	2.8	<0.1	<0.05	8	<0.5	<0.2
BM11 JT158	Soil	5	0.15	99	0.127	3	1.54	0.022	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT159	Soil	13	0.30	161	0.087	1	1.70	0.017	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT160	Soil	10	0.24	136	0.075	2	1.37	0.019	0.09	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JT161	Soil	25	0.58	119	0.202	1	2.38	0.031	0.08	<0.1	<0.01	3.2	<0.1	0.05	6	<0.5	<0.2
BM11 JT162	Soil	16	0.37	131	0.102	3	2.25	0.021	0.08	<0.1	0.03	2.8	<0.1	0.08	7	<0.5	<0.2
BM11 JT163	Soil	18	0.37	125	0.107	2	1.75	0.020	0.07	<0.1	0.03	2.9	<0.1	0.06	6	<0.5	<0.2
BM11 JT164	Soil	16	0.31	225	0.085	3	1.40	0.021	0.10	<0.1	<0.01	2.9	<0.1	0.05	5	<0.5	<0.2
BM11 JT165	Soil	15	0.29	193	0.090	2	1.80	0.022	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT166	Soil	15	0.30	150	0.097	2	1.64	0.030	0.06	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT167	Soil	15	0.30	151	0.090	2	1.58	0.023	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT168	Soil	13	0.29	148	0.094	2	1.74	0.020	0.07	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JT169	Soil	11	0.35	116	0.097	2	1.43	0.016	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT170	Soil	13	0.28	112	0.093	3	1.15	0.014	0.08	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT171	Soil	14	0.33	91	0.143	2	1.20	0.019	0.07	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT172	Soil	14	0.37	129	0.091	5	1.16	0.023	0.11	<0.1	0.03	3.9	<0.1	0.06	4	0.7	<0.2
BM11 JT173	Soil	12	0.33	218	0.064	3	1.21	0.021	0.12	<0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT174	Soil	15	0.47	146	0.092	<1	1.19	0.021	0.10	<0.1	0.03	4.4	<0.1	<0.05	4	0.5	<0.2
BM11 JT175	Soil	17	0.51	129	0.108	2	1.25	0.026	0.09	<0.1	0.01	4.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JT176	Soil	15	0.35	138	0.096	1	1.73	0.018	0.08	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT177	Soil	17	0.36	118	0.102	3	1.76	0.019	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JT178	Soil	16	0.31	124	0.102	4	1.42	0.018	0.05	<0.1	0.01	2.6	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 4 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT179	Soil		0.5	15.7	5.6	66	<0.1	12.8	6.7	402	1.99	2.0	1.2	1.3	23	<0.1	0.1	<0.1	62	0.22	0.056	5
BM11 JT180	Soil		0.4	11.1	5.4	58	<0.1	9.2	5.3	624	1.62	2.1	<0.5	1.0	20	<0.1	0.1	<0.1	52	0.17	0.051	4
BM11 JT181	Soil		0.3	8.4	6.1	73	<0.1	5.8	4.5	390	1.62	2.2	<0.5	0.8	16	<0.1	<0.1	<0.1	68	0.19	0.083	4
BM11 JT182	Soil		0.6	13.8	6.1	44	<0.1	8.6	5.7	288	2.14	3.0	1.3	1.0	23	<0.1	0.3	<0.1	70	0.23	0.044	5
BM11 JT183	Soil		0.6	11.4	6.5	55	<0.1	8.6	6.6	409	1.93	3.8	3.7	1.1	19	<0.1	0.2	0.1	60	0.26	0.057	7
BM11 JT184	Soil		0.3	9.0	5.4	63	<0.1	3.8	5.6	421	2.32	2.5	1.3	0.5	28	<0.1	0.1	<0.1	94	0.45	0.054	6
BM11 JT185	Soil		0.2	8.2	5.0	51	<0.1	4.9	4.3	507	1.71	4.7	<0.5	1.0	35	0.2	0.1	<0.1	55	0.45	0.058	8
BM11 JT186	Soil		0.4	9.4	5.2	52	<0.1	7.9	4.4	228	1.77	3.1	0.9	0.9	21	0.1	0.2	<0.1	60	0.19	0.084	4
BM11 JT187	Soil		0.5	9.0	4.6	35	<0.1	5.5	4.2	213	1.90	3.1	1.4	0.9	22	<0.1	0.3	<0.1	65	0.22	0.048	5
BM11 JT188	Soil		0.7	14.1	5.6	38	<0.1	7.1	5.7	245	2.29	4.1	3.0	1.0	35	<0.1	0.3	<0.1	78	0.30	0.030	5
BM11 JT189	Soil		0.5	9.8	4.8	39	<0.1	5.4	4.7	249	1.90	3.7	2.1	0.8	27	<0.1	0.3	<0.1	59	0.26	0.036	5
BM11 JT190	Soil		0.6	47.4	5.4	48	0.3	11.3	11.3	854	3.64	6.8	3.9	1.4	44	<0.1	0.2	<0.1	92	0.89	0.052	32
BM11 JT191	Soil		0.5	34.5	5.8	82	0.1	9.3	10.2	1412	2.80	8.6	2.4	1.1	57	0.3	0.2	<0.1	82	1.53	0.162	21
BM11 JT192	Soil		0.6	31.7	6.3	56	0.1	9.4	9.0	723	2.81	7.8	4.0	1.1	49	0.1	0.3	<0.1	61	0.88	0.096	17
BM11 JT193	Soil		0.5	25.9	6.1	61	<0.1	9.0	12.1	1035	3.28	10.0	0.8	1.0	45	0.3	0.2	<0.1	87	1.15	0.147	22
BM11 JT194	Soil		0.4	23.5	3.8	49	<0.1	3.0	8.9	665	3.30	9.8	6.7	0.6	28	0.1	0.2	<0.1	97	0.99	0.079	31
BM11 JT195	Soil		0.8	19.7	5.9	51	<0.1	17.8	9.5	739	2.88	4.4	0.5	1.1	107	0.2	0.3	<0.1	67	0.80	0.066	20
BM11 JT196	Soil		0.3	8.0	4.6	93	0.1	5.6	4.1	542	1.59	3.6	<0.5	0.8	33	<0.1	0.1	<0.1	39	0.24	0.288	5
BM11 JT197	Soil		0.4	10.7	6.3	120	0.1	10.6	4.8	650	1.68	2.6	<0.5	1.0	23	0.1	0.2	<0.1	35	0.22	0.178	5
BM11 JT198	Soil		0.3	9.6	5.6	58	<0.1	6.7	4.5	339	1.76	2.3	2.8	0.9	22	<0.1	0.2	<0.1	42	0.22	0.081	5
BM11 JT199	Soil		0.3	5.7	5.0	43	<0.1	7.0	3.4	296	1.35	1.4	0.9	0.7	19	<0.1	0.1	<0.1	31	0.17	0.040	3
BM11 JT200	Soil		0.4	10.4	6.6	76	<0.1	9.0	4.6	502	1.73	3.1	1.0	0.9	18	0.1	0.2	0.1	40	0.17	0.124	4
BM11 S22	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT201	Soil		0.5	19.5	6.2	38	<0.1	7.8	6.3	519	2.27	3.3	1.4	1.4	49	<0.1	0.3	<0.1	54	0.42	0.025	23
BM11 JT202	Soil		0.5	9.3	4.6	37	<0.1	6.5	4.8	385	1.91	2.1	0.9	0.7	40	<0.1	0.2	<0.1	51	0.29	0.029	6
BM11 JT203	Soil		0.4	8.1	4.4	42	<0.1	6.8	4.4	398	1.81	2.7	<0.5	0.7	42	<0.1	0.1	<0.1	47	0.29	0.046	5
BM11 JT204	Soil		0.6	7.5	6.9	62	0.1	7.0	4.1	1039	1.35	2.4	<0.5	0.6	29	0.1	0.1	<0.1	30	0.25	0.112	4
BM11 JT205	Soil		0.6	10.3	5.5	47	<0.1	7.5	5.0	448	1.79	2.7	1.1	0.8	29	<0.1	0.2	<0.1	43	0.20	0.070	5
BM11 JT206	Soil		1.1	9.3	7.2	47	<0.1	7.0	5.3	462	1.72	2.4	0.6	0.6	19	0.1	0.2	0.1	39	0.24	0.028	5
BM11 JT207	Soil		0.7	16.5	5.5	50	<0.1	10.1	7.8	461	2.40	3.1	<0.5	1.0	26	0.1	0.4	<0.1	58	0.26	0.067	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

Method	Analyte	1DX15															
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit	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	0.1	0.05	1	0.5	0.2
BM11 JT179	Soil	16	0.35	145	0.101	2	2.22	0.025	0.05	<0.1	0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
BM11 JT180	Soil	11	0.27	165	0.090	4	1.98	0.022	0.04	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JT181	Soil	5	0.25	71	0.116	1	1.53	0.026	0.04	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JT182	Soil	15	0.34	97	0.083	2	1.26	0.021	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT183	Soil	9	0.30	100	0.089	<1	2.71	0.023	0.05	<0.1	0.03	3.3	<0.1	0.07	9	<0.5	<0.2
BM11 JT184	Soil	6	0.39	72	0.053	<1	1.85	0.017	0.06	<0.1	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
BM11 JT185	Soil	7	0.26	140	0.073	4	1.56	0.026	0.15	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT186	Soil	9	0.28	104	0.066	<1	1.31	0.018	0.05	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JT187	Soil	9	0.25	81	0.070	1	0.77	0.013	0.06	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11 JT188	Soil	12	0.35	94	0.112	3	1.01	0.035	0.07	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JT189	Soil	9	0.26	98	0.080	2	1.02	0.030	0.10	<0.1	<0.01	2.4	<0.1	<0.05	4	0.7	<0.2
BM11 JT190	Soil	18	0.84	135	0.004	<1	2.66	0.013	0.10	<0.1	0.07	10.2	<0.1	<0.05	8	1.6	<0.2
BM11 JT191	Soil	17	0.46	267	0.011	3	1.85	0.013	0.16	<0.1	0.06	7.6	<0.1	0.07	6	0.7	<0.2
BM11 JT192	Soil	17	0.54	189	0.038	2	1.55	0.014	0.14	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JT193	Soil	19	0.60	141	0.011	<1	2.22	0.011	0.10	<0.1	0.03	7.3	<0.1	<0.05	8	<0.5	<0.2
BM11 JT194	Soil	8	0.67	127	0.002	1	1.72	0.005	0.07	<0.1	0.05	6.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JT195	Soil	20	0.68	137	0.098	2	1.95	0.029	0.08	<0.1	0.05	6.0	<0.1	<0.05	6	0.9	<0.2
BM11 JT196	Soil	9	0.17	121	0.075	1	1.32	0.019	0.05	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JT197	Soil	10	0.23	167	0.074	1	1.64	0.017	0.08	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT198	Soil	11	0.24	122	0.071	1	1.08	0.013	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JT199	Soil	8	0.17	99	0.070	<1	1.22	0.016	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT200	Soil	12	0.23	124	0.084	1	1.71	0.014	0.06	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 S22	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT201	Soil	16	0.37	111	0.083	2	1.38	0.018	0.07	<0.1	0.03	5.8	<0.1	<0.05	4	0.8	<0.2
BM11 JT202	Soil	13	0.25	108	0.092	<1	1.00	0.013	0.09	0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT203	Soil	11	0.25	107	0.094	1	1.19	0.013	0.11	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT204	Soil	8	0.18	128	0.066	<1	1.33	0.014	0.06	<0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT205	Soil	11	0.24	124	0.078	<1	1.33	0.012	0.06	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JT206	Soil	11	0.25	122	0.067	<1	1.73	0.014	0.06	<0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT207	Soil	16	0.40	112	0.077	<1	1.83	0.013	0.07	<0.1	0.01	2.8	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 5 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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			
				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
BM11 JT208	Soil			0.7	26.7	4.9	57	<0.1	13.6	9.0	435	3.17	5.3	1.1	1.6	40	<0.1	0.5	<0.1	81	0.41	0.049	8
BM11 JT209	Soil			0.7	60.2	6.4	63	<0.1	20.5	12.7	667	3.91	6.7	1.5	2.3	79	<0.1	0.6	0.1	90	0.70	0.067	16
BM11 JT210	Soil			0.4	16.5	5.4	51	<0.1	10.2	7.3	314	2.24	2.3	0.8	1.0	34	<0.1	0.3	<0.1	58	0.33	0.031	7
BM11 JT211	Soil			0.8	32.4	5.2	57	<0.1	14.7	10.5	485	3.53	5.1	7.3	1.6	57	<0.1	0.5	<0.1	94	0.55	0.054	9
BM11 JT212	Soil			0.5	26.0	4.9	56	<0.1	12.3	9.2	435	2.86	3.3	<0.5	1.1	40	<0.1	0.3	<0.1	73	0.37	0.036	9
BM11 JT213	Soil			0.7	10.6	5.8	45	<0.1	8.3	6.0	392	2.12	2.9	<0.5	0.8	34	<0.1	0.2	<0.1	53	0.24	0.087	5
BM11 JT214	Soil			0.6	11.6	6.0	49	<0.1	7.6	6.5	408	2.15	2.5	3.7	0.9	36	<0.1	0.2	<0.1	56	0.29	0.047	5
BM11 JT215	Soil			0.4	11.5	6.1	57	<0.1	7.1	5.8	329	2.19	3.2	<0.5	0.9	55	0.1	0.3	<0.1	58	0.34	0.069	7
BM11 JT216	Soil			0.6	13.4	11.6	55	<0.1	7.9	6.3	357	2.18	3.8	<0.5	1.0	43	0.4	0.2	<0.1	52	0.34	0.105	7
BM11 JT217	Soil			0.5	5.9	6.7	58	<0.1	4.8	4.0	786	1.79	1.8	0.6	0.6	22	<0.1	0.1	<0.1	39	0.23	0.089	6
BM11 JT218	Soil			0.4	14.1	5.8	56	<0.1	8.0	6.3	480	2.38	3.8	0.6	1.1	52	<0.1	0.2	<0.1	55	0.36	0.058	9
BM11 JT219	Soil			0.3	10.5	6.1	57	<0.1	6.2	4.5	405	1.93	2.6	<0.5	0.9	37	<0.1	0.2	<0.1	45	0.30	0.049	10
BM11 JT220	Soil			0.7	14.5	5.7	74	<0.1	11.9	7.2	466	2.62	4.1	0.9	1.0	49	0.1	0.3	<0.1	58	0.28	0.081	6
BM11 JT221	Soil			0.5	13.2	5.5	53	<0.1	6.6	5.9	302	2.45	5.1	<0.5	1.0	95	<0.1	0.3	<0.1	67	0.35	0.040	8
BM11 JT222	Soil			0.5	15.9	5.6	50	<0.1	6.7	7.0	392	2.67	5.8	0.6	1.2	118	<0.1	0.4	<0.1	69	0.44	0.037	10
BM11 JT223	Soil			0.7	13.9	6.5	70	0.2	9.0	6.9	594	2.04	3.0	<0.5	1.3	22	0.1	0.2	0.1	45	0.19	0.127	7
BM11 JT224	Soil			0.6	13.6	6.2	65	0.1	8.4	6.3	473	2.15	3.7	<0.5	1.3	35	0.1	0.3	<0.1	52	0.24	0.087	6
BM11 JT225	Soil			0.6	17.4	6.2	68	0.1	9.5	6.9	462	2.52	4.7	<0.5	1.2	43	<0.1	0.3	<0.1	61	0.31	0.086	9
BM11 JT226	Soil			0.4	24.8	6.5	49	0.2	11.7	7.1	509	2.69	4.1	<0.5	1.4	61	<0.1	0.3	0.1	51	0.86	0.057	27
BM11 JT227	Soil			0.7	12.5	6.3	59	<0.1	7.2	5.6	351	2.42	4.7	<0.5	1.0	30	<0.1	0.3	<0.1	56	0.27	0.079	6
BM11 JT228	Soil			0.9	14.4	6.4	63	<0.1	9.8	7.5	582	2.35	3.6	<0.5	0.9	29	<0.1	0.2	0.1	54	0.30	0.074	6
BM11 JT229	Soil			0.8	13.4	6.3	65	0.1	8.8	7.0	605	2.26	4.6	0.7	0.9	35	0.2	0.2	0.1	53	0.31	0.086	7
BM11 JT230	Soil			1.2	15.9	6.3	94	<0.1	10.1	7.9	954	2.13	3.0	0.9	0.8	20	0.2	0.2	0.3	51	0.27	0.146	7
BM11 JT231	Soil			0.7	14.6	4.5	48	<0.1	7.2	6.0	353	2.27	4.2	1.3	1.0	60	<0.1	0.3	0.1	67	0.44	0.029	11
BM11 JT232	Soil			0.6	17.2	5.8	65	<0.1	10.1	7.6	485	2.29	3.8	0.9	0.9	23	<0.1	0.2	0.2	58	0.28	0.103	7
BM11 JT233	Soil			0.6	20.5	5.6	58	<0.1	12.0	8.0	390	2.57	4.2	1.5	1.0	33	<0.1	0.3	0.1	67	0.37	0.063	7
BM11 JT234	Soil			0.7	19.0	6.0	83	<0.1	12.0	8.3	651	2.46	3.1	0.9	1.0	19	<0.1	0.2	0.2	55	0.25	0.113	7
BM11 JT235	Soil			0.5	12.3	6.0	65	<0.1	9.0	5.7	427	1.98	1.8	<0.5	1.0	49	0.3	0.2	0.1	52	0.47	0.224	9
BM11 JT236	Soil			0.7	15.7	6.0	80	<0.1	10.0	7.4	567	2.24	3.3	0.9	1.0	23	0.1	0.2	0.1	58	0.28	0.075	5
BM11 JT237	Soil			0.8	14.2	5.3	54	<0.1	11.2	6.8	386	2.20	2.6	<0.5	0.8	45	0.1	0.2	<0.1	58	0.39	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JT208	Soil			25	0.61	128	0.124	<1	1.63	0.023	0.10	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT209	Soil			30	0.98	201	0.109	<1	2.40	0.022	0.11	<0.1	0.11	9.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JT210	Soil			16	0.47	76	0.100	1	1.49	0.016	0.07	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JT211	Soil			26	0.77	108	0.131	2	1.81	0.036	0.10	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JT212	Soil			20	0.59	105	0.106	<1	1.69	0.019	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	0.5	<0.2
BM11 JT213	Soil			12	0.28	96	0.092	<1	1.67	0.014	0.06	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT214	Soil			13	0.33	96	0.092	<1	1.44	0.014	0.07	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JT215	Soil			12	0.29	125	0.111	1	1.64	0.017	0.07	0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT216	Soil			13	0.30	97	0.095	2	1.76	0.017	0.08	<0.1	0.04	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JT217	Soil			7	0.25	67	0.102	<1	1.47	0.015	0.05	<0.1	0.05	1.6	<0.1	<0.05	7	0.6	<0.2
BM11 JT218	Soil			13	0.37	122	0.082	<1	1.90	0.018	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT219	Soil			10	0.32	86	0.071	<1	1.67	0.014	0.07	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT220	Soil			15	0.49	118	0.096	<1	2.12	0.015	0.08	<0.1	0.02	3.3	<0.1	<0.05	7	0.5	<0.2
BM11 JT221	Soil			13	0.35	135	0.138	<1	1.52	0.023	0.08	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JT222	Soil			14	0.43	121	0.132	<1	1.54	0.031	0.07	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT223	Soil			12	0.27	102	0.084	<1	2.03	0.016	0.07	<0.1	0.04	3.3	<0.1	<0.05	7	<0.5	<0.2
BM11 JT224	Soil			12	0.30	105	0.090	<1	1.53	0.014	0.07	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT225	Soil			14	0.38	122	0.108	<1	2.08	0.021	0.08	<0.1	0.04	3.7	<0.1	<0.05	7	<0.5	<0.2
BM11 JT226	Soil			17	0.51	381	0.066	<1	2.84	0.019	0.08	<0.1	0.05	7.6	<0.1	<0.05	8	<0.5	<0.2
BM11 JT227	Soil			12	0.32	140	0.094	<1	2.02	0.011	0.09	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT228	Soil			14	0.33	113	0.071	<1	1.99	0.013	0.07	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JT229	Soil			12	0.32	141	0.080	<1	1.87	0.014	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT230	Soil			13	0.33	145	0.060	2	1.73	0.012	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT231	Soil			14	0.36	203	0.143	1	1.15	0.028	0.06	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JT232	Soil			15	0.33	180	0.080	2	2.00	0.013	0.06	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JT233	Soil			18	0.45	176	0.088	2	1.90	0.014	0.06	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JT234	Soil			16	0.40	153	0.064	3	2.19	0.015	0.05	<0.1	0.03	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 JT235	Soil			19	0.33	383	0.069	2	1.71	0.018	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT236	Soil			14	0.35	124	0.088	2	1.67	0.015	0.06	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT237	Soil			13	0.39	109	0.091	1	1.65	0.016	0.07	<0.1	0.02	2.7	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT238	Soil	0.7	13.2	5.6	59	<0.1	8.7	6.8	432	2.38	3.3	1.0	1.0	38	<0.1	0.2	0.1	54	0.30	0.077	7
BM11 JT239	Soil	0.6	19.8	4.8	77	<0.1	29.3	15.4	800	3.04	2.8	<0.5	1.1	39	0.1	0.1	<0.1	61	0.37	0.119	5
BM11 JT240	Soil	0.6	18.6	6.5	65	<0.1	12.8	8.9	679	2.47	2.6	0.7	1.3	27	<0.1	0.2	0.1	60	0.25	0.066	6
BM11 JT241	Soil	0.6	16.2	6.5	71	<0.1	11.2	7.8	1126	2.32	2.3	<0.5	1.1	29	0.1	0.2	0.1	58	0.28	0.060	5
BM11 JT242	Soil	0.6	13.3	5.7	65	<0.1	10.2	6.6	916	2.08	2.0	<0.5	1.0	28	0.1	0.2	<0.1	54	0.24	0.044	5
BM11 JT243	Soil	0.6	13.3	7.4	71	<0.1	8.6	6.0	1146	2.25	2.1	0.6	0.9	22	0.2	0.2	0.1	53	0.19	0.053	6
BM11 JT244	Soil	0.7	17.9	5.4	37	<0.1	16.0	6.1	246	1.72	1.9	0.9	0.8	36	<0.1	0.2	<0.1	50	0.33	0.020	20
BM11 JT245	Soil	0.6	21.7	5.3	52	<0.1	60.3	11.4	331	2.28	1.8	<0.5	0.9	35	<0.1	0.1	<0.1	65	0.20	0.052	5
BM11 JT246	Soil	0.5	11.9	6.2	34	<0.1	10.0	4.2	296	1.31	1.1	<0.5	0.6	36	<0.1	0.1	<0.1	38	0.20	0.019	9
BM11 JT247	Soil	0.7	21.4	4.9	63	<0.1	42.1	9.4	270	2.31	3.0	<0.5	0.9	45	<0.1	0.2	<0.1	61	0.21	0.111	5
BM11 JT248	Soil	0.6	18.5	4.6	56	0.1	60.8	11.3	555	2.26	2.1	<0.5	0.8	32	<0.1	0.1	<0.1	65	0.18	0.128	5
BM11 JT249	Soil	0.5	12.2	4.7	46	<0.1	15.8	5.9	275	1.88	2.8	<0.5	0.8	80	0.1	0.2	<0.1	55	0.33	0.056	8
BM11 JT250	Soil	0.5	17.7	4.0	45	<0.1	13.3	9.1	458	2.51	2.5	0.6	0.9	55	<0.1	0.3	<0.1	77	0.45	0.024	10
BM11 S29	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT251	Soil	0.9	25.9	5.8	46	<0.1	13.4	9.9	739	2.76	3.7	<0.5	1.5	58	<0.1	0.3	<0.1	75	0.55	0.021	16
BM11 JT252	Soil	0.9	15.3	6.2	40	0.1	9.3	7.2	678	2.31	2.8	0.5	1.1	60	0.1	0.2	0.1	57	0.78	0.023	12
BM11 JT253	Soil	0.9	20.5	4.1	32	<0.1	12.7	11.2	602	2.82	4.7	5.3	1.5	61	<0.1	0.3	<0.1	85	0.62	0.021	10
BM11 JT254	Soil	0.7	16.9	6.0	53	0.1	10.3	7.2	562	2.37	2.7	0.5	1.0	43	0.2	0.2	<0.1	61	0.64	0.039	14
BM11 JT255	Soil	0.7	12.0	5.6	73	<0.1	8.1	6.5	412	1.95	2.9	0.5	1.0	23	0.1	0.2	<0.1	51	0.21	0.108	4
BM11 JT256	Soil	0.6	13.6	5.3	50	<0.1	6.7	6.0	322	2.33	4.6	0.9	1.2	61	<0.1	0.3	<0.1	71	0.33	0.035	7
BM11 JT257	Soil	0.7	8.7	6.4	62	<0.1	6.2	5.2	770	1.91	2.4	<0.5	0.7	19	<0.1	0.2	<0.1	49	0.20	0.059	5
BM11 JT258	Soil	0.5	5.9	4.4	62	0.1	4.5	3.3	293	1.18	1.2	<0.5	0.5	14	<0.1	<0.1	<0.1	29	0.14	0.050	4
BM11 JT259	Soil	0.5	10.8	5.3	98	<0.1	13.9	5.6	588	2.03	2.3	<0.5	0.9	19	0.2	0.1	<0.1	47	0.23	0.107	5
BM11 JT260	Soil	0.6	14.4	4.9	57	0.1	11.1	6.0	201	2.02	2.4	<0.5	0.9	21	<0.1	0.2	0.3	50	0.19	0.077	5
BM11 JT261	Soil	0.7	6.5	5.5	77	<0.1	7.1	4.2	645	1.52	1.7	<0.5	0.7	11	0.1	0.1	0.1	38	0.09	0.056	4
BM11 JT262	Soil	0.8	11.2	6.4	69	<0.1	11.9	7.3	980	2.05	2.8	1.0	0.9	32	0.2	0.2	0.1	52	0.23	0.055	6
BM11 JT263	Soil	0.6	11.9	5.9	70	<0.1	9.3	5.6	278	2.09	3.3	1.1	1.0	28	0.1	0.2	<0.1	54	0.17	0.059	5
BM11 JT264	Soil	0.5	16.3	5.1	71	0.2	10.0	6.6	897	2.31	3.2	<0.5	1.2	44	0.2	0.2	<0.1	59	0.50	0.034	16
BM11 JT265	Soil	0.6	11.7	6.5	86	0.1	6.7	6.2	669	1.94	3.7	0.6	0.8	23	0.2	0.2	0.1	42	0.29	0.124	5
BM11 JT266	Soil	0.4	5.2	5.3	59	0.2	3.6	3.5	771	1.31	1.7	<0.5	0.6	12	0.2	<0.1	<0.1	26	0.12	0.043	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 6 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT238	Soil	12	0.32	122	0.074	1	1.70	0.014	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT239	Soil	21	0.92	133	0.103	1	2.97	0.016	0.07	<0.1	<0.01	2.7	<0.1	<0.05	8	<0.5	<0.2
BM11 JT240	Soil	18	0.41	131	0.087	1	2.54	0.012	0.08	<0.1	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2
BM11 JT241	Soil	16	0.39	138	0.091	1	2.31	0.012	0.08	<0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11 JT242	Soil	14	0.33	134	0.092	1	1.87	0.013	0.09	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT243	Soil	13	0.33	99	0.068	<1	2.30	0.012	0.06	<0.1	0.03	2.1	<0.1	<0.05	8	<0.5	<0.2
BM11 JT244	Soil	21	0.35	90	0.059	1	1.21	0.016	0.04	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT245	Soil	86	0.60	112	0.077	1	1.87	0.018	0.04	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JT246	Soil	13	0.24	72	0.063	<1	1.03	0.018	0.03	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JT247	Soil	57	0.53	120	0.095	2	2.03	0.017	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT248	Soil	96	0.53	137	0.095	1	1.84	0.017	0.05	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JT249	Soil	25	0.34	128	0.092	<1	1.19	0.017	0.07	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT250	Soil	25	0.55	87	0.099	1	1.33	0.027	0.05	<0.1	0.02	4.0	<0.1	0.06	5	<0.5	<0.2
BM11 S29	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JT251	Soil	24	0.55	132	0.079	<1	2.14	0.028	0.05	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JT252	Soil	17	0.38	146	0.056	1	2.12	0.021	0.04	<0.1	0.03	4.9	<0.1	0.05	6	<0.5	<0.2
BM11 JT253	Soil	24	0.59	139	0.111	2	1.78	0.022	0.05	0.1	0.05	7.8	<0.1	0.05	6	<0.5	<0.2
BM11 JT254	Soil	16	0.35	128	0.072	1	1.93	0.020	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT255	Soil	13	0.25	110	0.071	1	1.60	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JT256	Soil	14	0.33	142	0.123	<1	1.51	0.018	0.06	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT257	Soil	10	0.21	121	0.061	<1	1.45	0.014	0.07	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JT258	Soil	7	0.13	81	0.052	<1	0.95	0.015	0.05	<0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JT259	Soil	13	0.29	137	0.077	<1	1.99	0.017	0.06	<0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
BM11 JT260	Soil	11	0.28	114	0.074	<1	1.91	0.013	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JT261	Soil	9	0.18	100	0.060	<1	1.48	0.013	0.04	<0.1	0.03	1.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JT262	Soil	18	0.30	207	0.077	<1	1.95	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JT263	Soil	13	0.27	161	0.090	<1	2.02	0.011	0.08	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT264	Soil	18	0.41	165	0.087	<1	1.90	0.023	0.05	<0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
BM11 JT265	Soil	10	0.22	154	0.061	1	1.83	0.018	0.07	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 JT266	Soil	6	0.12	86	0.021	<1	1.36	0.012	0.07	<0.1	0.02	1.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT267	Soil		0.5	10.9	5.4	61	<0.1	6.7	5.3	356	1.92	2.7	<0.5	0.9	28	0.1	0.2	<0.1	48	0.20	0.035	5
BM11 JT268	Soil		0.4	8.3	5.4	48	<0.1	3.6	3.7	547	1.62	2.0	0.6	0.7	19	0.1	0.2	<0.1	34	0.16	0.028	5
BM11 JT269	Soil		0.5	11.7	5.7	64	<0.1	6.6	5.3	540	2.06	3.5	<0.5	0.9	28	0.1	0.3	<0.1	54	0.25	0.046	5
BM11 JT270	Soil		0.5	11.2	5.7	64	<0.1	8.0	5.8	415	2.00	3.2	0.7	1.0	32	0.1	0.2	<0.1	50	0.23	0.080	5
BM11 JT271	Soil		0.8	12.9	5.5	48	<0.1	7.8	6.0	234	2.41	4.7	1.6	1.0	43	<0.1	0.3	<0.1	63	0.24	0.035	5
BM11 JT272	Soil		0.7	12.3	5.5	44	<0.1	7.6	6.1	221	2.45	3.0	0.9	0.9	52	<0.1	0.3	<0.1	68	0.35	0.015	6
BM11 JT273	Soil		0.3	35.3	7.2	61	<0.1	8.3	11.6	860	3.22	1.5	<0.5	1.6	138	0.2	0.1	0.2	97	0.65	0.039	10
BM11 JT274	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.
BM11 JT275	Soil		0.7	13.7	5.4	56	<0.1	9.3	7.0	475	2.14	2.3	1.3	0.9	26	0.1	0.3	<0.1	56	0.22	0.055	4
BM11 JT276	Soil		0.7	12.3	6.2	51	<0.1	8.8	6.5	415	2.03	2.3	0.8	0.9	28	<0.1	0.2	<0.1	50	0.21	0.066	5
BM11 JT277	Soil		0.8	19.8	6.0	74	<0.1	12.0	8.2	581	2.41	3.1	<0.5	1.1	25	0.1	0.3	<0.1	56	0.24	0.069	6
BM11 JT278	Soil		0.7	22.8	5.7	70	<0.1	13.0	8.6	540	2.57	3.2	5.8	1.1	30	<0.1	0.3	<0.1	64	0.29	0.066	6
BM11 JT279	Soil		0.6	16.2	5.6	79	<0.1	11.4	7.6	838	2.13	2.6	0.6	0.9	37	0.1	0.2	<0.1	52	0.28	0.053	7
BM11 JT280	Soil		0.4	13.7	4.4	57	<0.1	10.2	7.0	465	2.34	2.6	0.5	1.0	40	<0.1	0.2	<0.1	68	0.32	0.027	5
BM11 JT281	Soil		0.4	12.2	4.2	50	<0.1	10.4	6.2	298	2.25	2.7	0.8	0.9	66	<0.1	0.2	<0.1	65	0.30	0.025	7
BM11 JT282	Soil		0.4	14.0	4.1	59	<0.1	10.1	7.4	545	2.22	2.5	<0.5	1.0	45	0.1	0.2	<0.1	66	0.34	0.028	5
BM11 JT283	Soil		0.5	9.9	4.8	48	<0.1	6.7	5.0	279	1.82	1.6	2.0	0.8	29	<0.1	0.2	<0.1	48	0.22	0.031	4
BM11 JT284	Soil		0.6	7.5	5.3	96	<0.1	6.2	4.5	995	1.61	1.6	<0.5	0.6	21	0.2	0.1	<0.1	38	0.22	0.053	4
BM11 JT285	Soil		0.4	9.7	4.8	55	<0.1	11.6	5.8	294	1.68	1.4	1.6	0.8	25	<0.1	0.2	<0.1	41	0.20	0.061	5
BM11 JT286	Soil		0.6	13.1	7.4	76	<0.1	10.0	6.8	1743	2.12	2.2	0.7	1.1	22	0.3	0.2	<0.1	54	0.26	0.051	6
BM11 JT287	Soil		0.4	9.1	4.7	49	<0.1	9.9	4.6	271	1.66	1.6	<0.5	0.7	29	<0.1	0.2	<0.1	45	0.22	0.028	5
BM11 JT288	Soil		0.5	12.0	5.2	48	<0.1	10.5	5.4	191	1.91	1.9	45.0	0.8	32	<0.1	0.2	<0.1	49	0.25	0.060	5
BM11 JT289	Soil		0.5	21.9	5.6	61	<0.1	23.5	9.9	467	2.48	3.0	0.7	1.2	107	0.2	0.2	<0.1	65	0.89	0.079	11
BM11 JT290	Soil		0.4	13.7	4.4	56	<0.1	10.1	5.4	195	1.70	1.8	<0.5	0.9	26	<0.1	0.2	<0.1	45	0.23	0.045	6
BM11 JT291	Soil		0.4	15.6	4.9	52	<0.1	9.4	5.5	432	1.88	1.7	1.0	0.9	35	<0.1	0.2	0.1	48	0.28	0.026	7
BM11 JT292	Soil		0.4	15.8	5.3	54	<0.1	9.8	5.3	485	1.92	2.2	1.2	1.0	50	0.1	0.3	<0.1	51	0.33	0.025	10
BM11 JT293	Soil		0.6	9.3	6.1	65	<0.1	8.4	5.1	761	1.71	1.9	0.8	0.8	21	0.1	0.2	0.1	41	0.23	0.068	4
BM11 JT294	Soil		0.5	10.9	5.3	55	<0.1	10.1	6.0	310	1.92	2.3	5.4	0.8	29	<0.1	0.2	<0.1	51	0.25	0.069	4
BM11 JT295	Soil		0.6	12.5	5.6	50	<0.1	9.0	5.7	312	2.02	3.0	3.0	1.1	23	<0.1	0.3	<0.1	50	0.20	0.068	5
BM11 JT296	Soil		0.5	9.4	5.2	44	<0.1	7.3	5.1	349	1.71	1.9	2.5	0.8	20	<0.1	0.2	<0.1	44	0.18	0.033	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT267	Soil	11	0.23	191	0.081	<1	1.69	0.014	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT268	Soil	7	0.15	136	0.023	<1	1.26	0.013	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 JT269	Soil	11	0.27	209	0.091	<1	1.43	0.015	0.07	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JT270	Soil	11	0.26	167	0.084	<1	1.62	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT271	Soil	13	0.33	128	0.085	<1	1.32	0.022	0.04	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT272	Soil	15	0.35	87	0.125	<1	1.28	0.018	0.07	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT273	Soil	8	0.74	119	0.217	2	2.61	0.043	0.12	<0.1	0.02	6.9	<0.1	<0.05	9	<0.5	<0.2
BM11 JT274	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.
BM11 JT275	Soil	14	0.31	106	0.068	<1	1.56	0.016	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JT276	Soil	13	0.27	123	0.069	<1	1.76	0.012	0.08	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 JT277	Soil	17	0.40	119	0.066	<1	2.09	0.012	0.07	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT278	Soil	18	0.53	104	0.077	<1	1.77	0.015	0.08	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT279	Soil	16	0.42	116	0.064	<1	1.67	0.021	0.06	<0.1	0.03	3.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JT280	Soil	29	0.40	97	0.125	<1	1.56	0.012	0.06	<0.1	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT281	Soil	25	0.36	127	0.124	<1	1.49	0.018	0.06	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JT282	Soil	26	0.41	123	0.143	<1	1.63	0.014	0.09	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JT283	Soil	13	0.25	82	0.091	<1	1.32	0.014	0.07	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT284	Soil	10	0.21	55	0.061	<1	1.60	0.014	0.09	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11 JT285	Soil	14	0.30	64	0.063	<1	1.29	0.015	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JT286	Soil	17	0.32	96	0.081	<1	1.96	0.018	0.08	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JT287	Soil	13	0.26	66	0.067	<1	1.07	0.017	0.05	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JT288	Soil	15	0.29	85	0.073	<1	1.33	0.014	0.06	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JT289	Soil	19	0.69	110	0.111	<1	1.71	0.029	0.10	<0.1	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT290	Soil	14	0.29	74	0.061	<1	1.23	0.015	0.05	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JT291	Soil	13	0.36	104	0.090	<1	1.50	0.020	0.06	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JT292	Soil	15	0.40	107	0.117	<1	1.27	0.019	0.05	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JT293	Soil	11	0.24	86	0.069	<1	1.36	0.015	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT294	Soil	14	0.27	97	0.082	<1	1.42	0.012	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT295	Soil	12	0.23	128	0.057	<1	1.42	0.012	0.06	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT296	Soil	11	0.22	107	0.064	<1	1.23	0.015	0.06	<0.1	<0.01	1.9	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 8 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT297	Soil	0.6	12.4	5.5	48	<0.1	8.1	5.6	369	1.93	2.3	2.0	0.9	23	<0.1	0.2	<0.1	48	0.20	0.049	4
BM11 JT298	Soil	0.6	15.5	5.3	52	<0.1	10.3	6.4	355	2.35	3.6	0.9	1.0	39	<0.1	0.3	<0.1	61	0.27	0.058	6
BM11 JT299	Soil	0.6	12.1	5.5	52	<0.1	9.6	5.7	370	2.13	3.1	<0.5	0.9	32	<0.1	0.3	<0.1	55	0.25	0.056	5
BM11 JT300	Soil	0.4	9.5	5.0	47	<0.1	7.0	4.3	342	1.71	1.7	<0.5	0.8	33	<0.1	0.2	<0.1	44	0.26	0.023	6
BM11 S33	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 8 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11003938.1

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	
BM11 JT297	Soil	13	0.25	110	0.066	<1	1.34	0.017	0.06	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT298	Soil	16	0.34	131	0.090	<1	1.43	0.011	0.09	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JT299	Soil	14	0.29	137	0.071	<1	1.31	0.013	0.06	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT300	Soil	12	0.26	97	0.076	<1	1.04	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 S33	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 05, 2011

**Page:** 1 of 2 **Part** 1

# QUALITY CONTROL REPORT

VAN11003938.1

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	
Pulp Duplicates																					
BM11 JT137	Soil	1.0	15.0	4.8	42	<0.1	6.6	5.6	272	2.46	5.9	3.9	1.1	27	<0.1	0.4	0.1	69	0.27	0.017	8
REP BM11 JT137	QC	1.1	14.7	4.7	42	<0.1	6.8	5.6	268	2.44	5.7	1.8	1.2	27	<0.1	0.4	0.1	68	0.26	0.017	8
BM11 JT143	Soil	0.4	6.5	6.7	56	0.2	6.4	3.4	207	1.32	3.0	0.5	0.9	16	<0.1	<0.1	0.1	29	0.15	0.111	5
REP BM11 JT143	QC	0.4	6.5	6.9	54	0.2	6.4	3.5	206	1.29	3.1	<0.5	0.9	16	<0.1	<0.1	0.1	28	0.14	0.112	5
BM11 JT166	Soil	0.5	11.8	6.3	74	<0.1	12.2	6.1	594	2.04	2.3	11.5	1.2	23	0.1	0.2	0.1	74	0.22	0.115	4
REP BM11 JT166	QC	0.5	11.6	5.9	75	<0.1	11.6	5.8	589	1.96	2.7	3.5	1.0	23	0.1	0.2	0.1	69	0.22	0.115	4
BM11 JT185	Soil	0.2	8.2	5.0	51	<0.1	4.9	4.3	507	1.71	4.7	<0.5	1.0	35	0.2	0.1	<0.1	55	0.45	0.058	8
REP BM11 JT185	QC	0.2	7.9	4.9	53	<0.1	5.0	4.2	498	1.71	4.0	0.5	0.9	35	0.2	0.2	<0.1	57	0.45	0.054	8
BM11 JT193	Soil	0.5	25.9	6.1	61	<0.1	9.0	12.1	1035	3.28	10.0	0.8	1.0	45	0.3	0.2	<0.1	87	1.15	0.147	22
REP BM11 JT193	QC	0.6	26.0	5.9	60	<0.1	8.7	11.2	975	3.25	9.8	3.2	1.0	44	0.2	0.2	<0.1	80	1.05	0.152	22
BM11 JT195	Soil	0.8	19.7	5.9	51	<0.1	17.8	9.5	739	2.88	4.4	0.5	1.1	107	0.2	0.3	<0.1	67	0.80	0.066	20
REP BM11 JT195	QC	0.7	20.2	6.1	53	0.1	18.4	9.7	758	2.99	4.5	0.7	1.2	106	<0.1	0.3	<0.1	68	0.82	0.067	20
BM11 JT221	Soil	0.5	13.2	5.5	53	<0.1	6.6	5.9	302	2.45	5.1	<0.5	1.0	95	<0.1	0.3	<0.1	67	0.35	0.040	8
REP BM11 JT221	QC	0.6	14.1	5.7	54	<0.1	7.4	6.0	311	2.58	4.8	0.7	1.1	96	<0.1	0.3	<0.1	69	0.36	0.042	8
BM11 JT243	Soil	0.6	13.3	7.4	71	<0.1	8.6	6.0	1146	2.25	2.1	0.6	0.9	22	0.2	0.2	0.1	53	0.19	0.053	6
REP BM11 JT243	QC	0.6	13.0	7.2	69	<0.1	8.3	5.9	1067	2.17	2.0	<0.5	0.9	21	0.2	0.2	0.1	50	0.18	0.049	6
BM11 JT254	Soil	0.7	16.9	6.0	53	0.1	10.3	7.2	562	2.37	2.7	0.5	1.0	43	0.2	0.2	<0.1	61	0.64	0.039	14
REP BM11 JT254	QC	0.7	16.9	5.9	51	0.1	9.7	6.9	553	2.33	2.8	0.6	1.0	43	0.2	0.2	<0.1	60	0.62	0.038	14
BM11 JT277	Soil	0.8	19.8	6.0	74	<0.1	12.0	8.2	581	2.41	3.1	<0.5	1.1	25	0.1	0.3	<0.1	56	0.24	0.069	6
REP BM11 JT277	QC	0.8	18.8	5.9	73	<0.1	11.7	8.0	571	2.39	3.0	3.4	1.1	24	<0.1	0.3	<0.1	56	0.24	0.067	6
BM11 JT296	Soil	0.5	9.4	5.2	44	<0.1	7.3	5.1	349	1.71	1.9	2.5	0.8	20	<0.1	0.2	<0.1	44	0.18	0.033	4
REP BM11 JT296	QC	0.5	9.2	5.2	42	<0.1	7.3	5.0	338	1.65	1.8	0.7	0.8	20	<0.1	0.2	<0.1	42	0.16	0.033	4
Reference Materials																					
STD DS8	Standard	12.3	103.5	120.5	307	1.7	35.0	7.2	580	2.35	24.7	109.9	6.3	58	2.4	5.0	6.5	40	0.68	0.075	13
STD DS8	Standard	13.7	109.2	128.1	310	1.9	40.3	7.9	626	2.49	26.2	120.5	7.1	72	2.1	6.0	7.1	56	0.69	0.080	16
STD DS8	Standard	13.5	119.9	133.9	323	1.9	40.1	8.2	628	2.54	26.3	124.3	7.1	67	2.6	5.9	6.8	45	0.69	0.089	13
STD DS8	Standard	12.2	101.2	119.1	292	1.9	35.6	6.9	574	2.40	23.5	101.1	6.5	68	2.3	5.6	6.3	39	0.68	0.080	15
STD DS8	Standard	13.4	111.2	121.7	300	1.7	38.8	7.5	599	2.39	22.9	118.4	6.7	63	2.1	5.3	5.4	43	0.66	0.078	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 05, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003938.1

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																	
BM11 JT137	Soil	14	0.30	64	0.081	<1	0.92	0.015	0.05	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
REP BM11 JT137	QC	15	0.29	62	0.078	<1	0.89	0.013	0.05	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
BM11 JT143	Soil	8	0.15	142	0.043	<1	1.45	0.015	0.05	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JT143	QC	8	0.14	139	0.041	<1	1.45	0.016	0.05	<0.1	0.03	1.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JT166	Soil	15	0.30	150	0.097	2	1.64	0.030	0.06	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JT166	QC	15	0.29	141	0.094	2	1.62	0.020	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	0.6	<0.2
BM11 JT185	Soil	7	0.26	140	0.073	4	1.56	0.026	0.15	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JT185	QC	7	0.25	138	0.072	1	1.52	0.029	0.15	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT193	Soil	19	0.60	141	0.011	<1	2.22	0.011	0.10	<0.1	0.03	7.3	<0.1	<0.05	8	<0.5	<0.2
REP BM11 JT193	QC	17	0.60	136	0.011	1	2.30	0.011	0.10	<0.1	0.03	6.9	<0.1	<0.05	7	<0.5	<0.2
BM11 JT195	Soil	20	0.68	137	0.098	2	1.95	0.029	0.08	<0.1	0.05	6.0	<0.1	<0.05	6	0.9	<0.2
REP BM11 JT195	QC	20	0.70	136	0.101	3	2.00	0.029	0.08	0.1	0.06	6.2	<0.1	<0.05	6	0.6	<0.2
BM11 JT221	Soil	13	0.35	135	0.138	<1	1.52	0.023	0.08	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JT221	QC	14	0.36	142	0.137	<1	1.61	0.019	0.09	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT243	Soil	13	0.33	99	0.068	<1	2.30	0.012	0.06	<0.1	0.03	2.1	<0.1	<0.05	8	<0.5	<0.2
REP BM11 JT243	QC	13	0.32	96	0.064	<1	2.19	0.012	0.06	<0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
BM11 JT254	Soil	16	0.35	128	0.072	1	1.93	0.020	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JT254	QC	16	0.36	128	0.072	2	1.88	0.017	0.06	<0.1	0.02	4.0	<0.1	0.07	6	<0.5	<0.2
BM11 JT277	Soil	17	0.40	119	0.066	<1	2.09	0.012	0.07	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
REP BM11 JT277	QC	16	0.40	118	0.066	<1	2.05	0.014	0.07	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
BM11 JT296	Soil	11	0.22	107	0.064	<1	1.23	0.015	0.06	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JT296	QC	10	0.21	108	0.057	<1	1.16	0.015	0.06	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	115	0.57	250	0.097	3	0.86	0.080	0.42	3.0	0.19	2.2	5.8	0.17	5	5.6	5.4
STD DS8	Standard	115	0.67	285	0.119	4	0.98	0.121	0.41	3.1	0.23	2.5	5.5	0.15	5	4.4	5.3
STD DS8	Standard	122	0.62	276	0.121	2	0.96	0.100	0.44	3.0	0.20	2.6	5.6	0.12	5	4.9	4.9
STD DS8	Standard	111	0.60	274	0.110	2	0.88	0.077	0.40	2.8	0.19	2.3	5.0	0.16	4	4.6	4.7
STD DS8	Standard	119	0.59	267	0.122	2	0.87	0.086	0.40	2.8	0.19	2.0	5.1	0.22	5	4.8	4.7

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 05, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003938.1

		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 DS8	Standard	12.0	105.3	121.5	300	1.8	35.9	7.2	586	2.32	23.8	114.0	6.4	65	2.7	5.4	6.3	40	0.64	0.074	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 05, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003938.1

		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 DS8	Standard	108	0.57	253	0.105	2	0.87	0.100	0.41	2.6	0.20	2.9	5.2	0.13	5	4.4	4.4
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry  
Receiving Lab: Canada-Vancouver  
Received: August 15, 2011  
Report Date: November 04, 2011  
Page: 1 of 9

## CERTIFICATE OF ANALYSIS

VAN11003939.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #3  
P.O. Number  
Number of Samples: 220

### 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: Steve Butrenchuk

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	203	Dry at 60C			VAN
SS80	199	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	199	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	0.1	2	0.01	0.001	1
BM11 MP130	Soil	0.5	13.6	4.6	73	<0.1	11.9	5.5	483	1.82	1.3	1.5	1.0	24	<0.1	0.2	<0.1	51	0.23	0.086	3
BM11 MP131	Soil	0.5	15.1	4.5	74	<0.1	13.5	6.5	481	2.04	1.1	<0.5	1.1	26	<0.1	0.1	0.1	59	0.25	0.097	3
BM11 MP136	Soil	0.5	10.8	5.2	42	<0.1	6.2	4.7	342	1.70	0.9	6.8	1.0	22	<0.1	0.2	<0.1	46	0.40	0.038	9
BM11 MP137	Soil	0.7	8.5	4.7	30	<0.1	5.1	4.4	255	1.62	2.9	<0.5	0.8	18	<0.1	0.2	<0.1	51	0.23	0.028	5
BM11 MP138	Soil	0.7	10.6	5.2	37	0.1	6.6	5.3	641	1.58	3.1	<0.5	0.8	38	<0.1	0.2	<0.1	46	0.32	0.109	5
BM11 MP139	Soil	0.8	24.1	9.4	62	0.2	10.9	10.5	1081	3.19	8.6	3.7	2.0	83	0.1	0.4	0.1	79	0.96	0.073	28
BM11 MP140	Soil	0.9	32.4	10.0	70	0.4	12.5	10.6	1063	3.34	10.9	2.0	1.5	72	0.2	0.4	0.1	91	1.03	0.096	37
BM11 MP141	Soil	1.0	16.2	8.2	60	<0.1	8.1	8.3	1768	2.25	4.3	<0.5	0.7	63	0.3	0.2	0.3	65	0.68	0.149	9
BM11 MP142	Soil	0.5	29.8	5.7	80	0.1	16.7	17.5	810	3.74	5.3	<0.5	1.0	75	0.2	0.1	<0.1	118	0.85	0.155	8
BM11 MP143	Soil	0.5	22.4	14.1	76	<0.1	12.2	12.5	1683	2.81	4.5	<0.5	0.7	79	0.3	0.2	0.1	93	0.80	0.120	8
BM11 MP144	Soil	0.4	20.8	5.7	73	<0.1	14.9	13.8	621	3.39	4.6	<0.5	0.8	40	<0.1	0.1	<0.1	115	0.41	0.119	4
BM11 MP145	Soil	0.4	9.2	6.5	69	<0.1	14.0	6.5	868	1.49	2.8	<0.5	0.7	21	<0.1	0.1	0.1	43	0.25	0.077	3
BM11 MP146	Soil	0.9	8.3	5.4	34	<0.1	7.2	4.8	531	1.31	1.8	<0.5	0.6	24	<0.1	0.2	<0.1	39	0.21	0.027	5
BM11 MP147	Soil	0.6	5.1	5.7	31	<0.1	4.4	3.7	724	1.20	2.2	<0.5	0.6	35	<0.1	0.2	0.1	37	0.21	0.036	4
BM11 MP148	Soil	0.7	7.8	7.5	61	<0.1	7.3	4.7	829	1.52	6.7	<0.5	1.0	25	0.2	0.2	0.1	39	0.27	0.238	3
BM11 MP149	Soil	1.2	23.0	7.5	56	<0.1	13.9	11.4	289	2.79	44.3	<0.5	2.0	49	<0.1	0.6	0.1	71	0.37	0.269	8
BM11 MP150	Soil	0.9	10.5	6.3	73	<0.1	19.2	10.1	1627	2.38	5.2	12.9	1.0	31	0.1	0.2	<0.1	67	0.34	0.078	7
BM11 S16	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP151	Soil	0.5	9.3	5.6	54	<0.1	7.3	6.2	480	1.62	5.4	19.3	0.9	34	0.1	0.2	0.1	45	0.38	0.115	5
BM11 MP152	Soil	0.6	8.7	7.0	53	<0.1	7.6	6.4	716	1.92	3.7	<0.5	1.0	39	<0.1	0.2	0.1	54	0.41	0.061	5
BM11 MP153	Soil	0.5	14.5	8.0	62	<0.1	7.1	8.1	352	2.48	6.7	<0.5	1.6	126	0.1	0.2	<0.1	81	0.57	0.115	7
BM11 MP154	Soil	0.6	19.4	6.3	68	<0.1	11.2	11.3	664	3.33	12.7	<0.5	1.7	95	<0.1	0.4	<0.1	108	0.98	0.097	11
BM11 MP155	Soil	0.8	12.5	5.0	46	<0.1	7.9	6.8	345	1.89	3.3	<0.5	0.9	39	<0.1	0.2	<0.1	55	0.73	0.052	11
BM11 MP156	Soil	0.7	12.5	5.1	48	0.1	7.8	6.7	356	1.92	2.9	0.6	0.9	39	0.1	0.3	<0.1	60	0.72	0.056	11
BM11 MP157	Soil	0.6	10.1	5.3	75	<0.1	8.0	5.2	679	1.60	1.4	2.6	1.0	20	0.2	0.2	<0.1	43	0.20	0.094	5
BM11 MP158	Soil	0.5	9.7	5.4	66	<0.1	8.9	5.1	447	1.53	1.9	3.8	0.9	21	<0.1	0.1	<0.1	38	0.19	0.076	4
BM11 MP159	Soil	0.9	15.2	6.0	80	0.1	11.4	8.7	573	2.10	4.0	<0.5	1.2	22	0.1	0.2	0.1	51	0.23	0.113	6
BM11 MP160	Soil	0.7	10.3	4.9	52	<0.1	10.0	5.6	397	1.66	1.3	<0.5	0.8	22	<0.1	0.1	<0.1	43	0.24	0.095	4
BM11 MP161	Soil	0.5	7.4	5.7	55	<0.1	5.9	4.6	527	1.54	1.6	1.6	0.8	21	<0.1	0.2	<0.1	40	0.20	0.055	5
BM11 MP162	Soil	0.7	10.1	5.7	58	<0.1	7.1	5.9	237	1.94	2.2	23.3	1.0	57	<0.1	0.2	<0.1	51	0.28	0.080	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	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
BM11 MP130	Soil	16	0.31	144	0.091	2	1.74	0.016	0.06	<0.1	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP131	Soil	18	0.34	155	0.092	3	1.91	0.015	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP136	Soil	10	0.24	74	0.070	5	1.33	0.025	0.10	<0.1	<0.01	2.3	<0.1	<0.05	4	0.6	<0.2
BM11 MP137	Soil	9	0.21	61	0.063	3	1.04	0.017	0.04	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MP138	Soil	8	0.31	61	0.122	2	1.69	0.019	0.07	0.1	0.04	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP139	Soil	14	0.55	86	0.163	2	4.06	0.018	0.16	0.2	0.05	12.3	<0.1	<0.05	11	1.3	<0.2
BM11 MP140	Soil	19	0.65	89	0.141	2	4.21	0.025	0.13	0.1	0.08	11.7	0.1	<0.05	11	1.9	<0.2
BM11 MP141	Soil	11	0.44	102	0.164	4	2.32	0.016	0.09	0.1	0.07	3.2	<0.1	<0.05	9	<0.5	<0.2
BM11 MP142	Soil	27	1.09	93	0.247	3	3.10	0.028	0.08	<0.1	0.03	6.2	<0.1	<0.05	9	<0.5	<0.2
BM11 MP143	Soil	19	0.84	144	0.215	2	2.23	0.023	0.07	<0.1	0.11	4.0	<0.1	<0.05	7	0.6	<0.2
BM11 MP144	Soil	25	0.87	68	0.283	5	3.05	0.027	0.04	<0.1	0.02	4.8	<0.1	<0.05	10	<0.5	<0.2
BM11 MP145	Soil	12	0.38	82	0.146	3	2.01	0.019	0.04	<0.1	0.03	1.5	<0.1	<0.05	8	<0.5	<0.2
BM11 MP146	Soil	10	0.27	68	0.086	<1	1.72	0.016	0.04	<0.1	0.03	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11 MP147	Soil	6	0.14	59	0.114	<1	1.01	0.019	0.04	<0.1	0.04	1.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP148	Soil	8	0.19	66	0.140	3	1.70	0.017	0.04	0.1	0.05	1.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MP149	Soil	13	0.48	58	0.220	4	4.12	0.019	0.08	0.3	0.05	3.7	<0.1	<0.05	11	<0.5	<0.2
BM11 MP150	Soil	17	0.53	70	0.228	3	2.82	0.020	0.05	<0.1	0.03	3.1	<0.1	<0.05	8	<0.5	<0.2
BM11 S16	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP151	Soil	8	0.28	50	0.202	2	2.06	0.023	0.05	0.1	0.03	2.5	<0.1	<0.05	8	0.6	<0.2
BM11 MP152	Soil	8	0.30	78	0.212	2	2.83	0.029	0.05	<0.1	0.02	2.9	<0.1	<0.05	9	<0.5	<0.2
BM11 MP153	Soil	6	0.37	118	0.306	1	3.68	0.034	0.18	0.1	0.03	4.6	<0.1	<0.05	12	<0.5	<0.2
BM11 MP154	Soil	14	0.64	77	0.361	2	3.67	0.033	0.22	0.2	0.04	7.9	<0.1	<0.05	11	<0.5	<0.2
BM11 MP155	Soil	14	0.32	76	0.098	2	1.26	0.024	0.10	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 MP156	Soil	14	0.33	76	0.101	3	1.28	0.019	0.10	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 MP157	Soil	11	0.24	169	0.064	2	1.37	0.018	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP158	Soil	11	0.25	128	0.066	1	1.41	0.019	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MP159	Soil	16	0.34	106	0.074	3	1.76	0.016	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MP160	Soil	14	0.29	129	0.081	2	1.49	0.016	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MP161	Soil	10	0.24	129	0.069	<1	0.95	0.013	0.06	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP162	Soil	13	0.31	181	0.098	1	1.18	0.019	0.08	<0.1	0.02	2.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	
BM11 MP163	Soil		1.0	18.5	5.4	52	<0.1	11.1	8.4	524	2.18	1.7	1.2	1.0	38	<0.1	0.2	<0.1	62	0.34	0.017	7
BM11 MP164	Soil		0.7	19.0	5.1	50	<0.1	11.0	8.1	523	2.11	0.9	0.6	1.0	38	<0.1	0.2	<0.1	61	0.37	0.018	7
BM11 MP165	Soil		0.5	14.2	4.7	75	<0.1	10.5	6.3	657	1.92	1.6	0.7	0.9	23	0.1	0.2	<0.1	53	0.26	0.151	4
BM11 MP166	Soil		0.5	14.0	5.1	67	<0.1	11.8	6.9	721	2.11	1.4	<0.5	1.0	30	<0.1	0.2	<0.1	54	0.34	0.120	4
BM11 MP167	Soil		0.5	13.3	4.5	48	<0.1	9.9	5.4	372	1.82	1.2	2.7	0.8	26	0.2	0.1	<0.1	52	0.24	0.041	7
BM11 MP168	Soil		0.6	9.1	4.8	51	<0.1	10.1	5.1	350	1.71	1.3	<0.5	0.8	22	<0.1	0.2	<0.1	44	0.21	0.057	4
BM11 MP169	Soil		0.5	8.5	4.8	40	<0.1	7.8	4.4	420	1.48	1.3	<0.5	0.7	21	<0.1	0.1	<0.1	35	0.20	0.057	3
BM11 MP170	Soil		0.5	9.9	5.1	65	<0.1	9.7	5.1	789	1.78	1.6	<0.5	0.9	24	0.2	0.2	<0.1	48	0.25	0.077	4
BM11 MP171	Soil		0.4	10.4	4.4	60	<0.1	10.2	5.0	523	1.82	0.6	<0.5	0.8	29	0.2	0.2	<0.1	52	0.29	0.056	4
BM11 MP172	Soil		0.4	8.7	3.9	44	<0.1	7.9	4.7	526	1.65	1.3	<0.5	0.6	23	<0.1	<0.1	<0.1	52	0.20	0.033	3
BM11 MP173	Soil		0.4	14.5	4.5	71	<0.1	13.8	5.8	420	1.94	1.9	<0.5	1.1	26	<0.1	0.1	<0.1	54	0.25	0.099	4
BM11 MP174	Soil		0.3	7.2	4.7	60	<0.1	7.3	4.0	740	1.42	0.8	<0.5	0.8	22	0.1	0.1	<0.1	42	0.20	0.064	3
BM11 MP175	Soil		0.6	14.3	7.3	73	<0.1	7.2	6.4	1031	2.35	9.3	<0.5	1.3	36	0.2	0.3	<0.1	56	0.25	0.104	6
BM11 MP176	Soil		0.6	8.8	5.2	48	<0.1	7.3	4.8	638	1.64	1.5	3.1	0.9	21	<0.1	0.1	<0.1	42	0.17	0.037	4
BM11 MP177	Soil		0.5	13.0	6.2	56	<0.1	10.7	6.1	850	2.07	1.4	<0.5	0.9	25	0.1	0.2	<0.1	53	0.21	0.071	5
BM11 MP178	Soil		0.5	14.0	4.7	38	<0.1	10.9	5.6	307	2.06	0.8	<0.5	0.9	31	<0.1	0.2	<0.1	58	0.23	0.029	4
BM11 MP179	Soil		0.4	10.7	5.1	50	<0.1	8.4	5.8	518	1.81	2.2	<0.5	1.0	25	<0.1	0.1	<0.1	45	0.26	0.047	4
BM11 MP180	Soil		0.5	8.3	6.1	56	<0.1	9.4	4.6	576	1.48	1.1	<0.5	0.9	22	<0.1	0.1	<0.1	35	0.23	0.069	4
BM11 MP181	Soil		0.5	7.3	5.1	40	<0.1	5.5	4.0	464	1.62	1.5	<0.5	0.7	19	<0.1	0.2	<0.1	42	0.20	0.036	4
BM11 MP182	Soil		0.4	9.7	5.0	52	<0.1	6.5	6.0	588	1.89	0.9	<0.5	0.7	154	<0.1	0.2	<0.1	55	0.44	0.058	4
BM11 MP183	Soil		0.3	7.6	4.9	38	<0.1	6.0	4.5	355	1.63	<0.5	1.7	0.9	30	<0.1	0.2	<0.1	40	0.31	0.025	6
BM11 MP184	Soil		0.3	15.1	4.8	63	<0.1	25.6	9.3	749	2.50	2.1	<0.5	1.1	70	0.2	0.2	<0.1	58	0.67	0.130	7
BM11 MP185	Soil		0.6	17.2	5.5	70	<0.1	20.7	10.2	693	3.30	3.1	<0.5	1.3	93	<0.1	0.3	<0.1	113	0.79	0.069	16
BM11 MP186	Soil		0.6	15.1	4.9	64	<0.1	12.3	7.5	659	2.32	2.8	<0.5	1.1	48	<0.1	0.2	<0.1	60	0.34	0.113	8
BM11 MP187	Soil		0.5	12.3	5.8	43	<0.1	5.5	5.6	343	2.13	3.2	<0.5	0.9	28	0.1	0.5	<0.1	54	0.25	0.059	5
BM11 MP188	Soil		0.3	6.9	4.9	63	<0.1	8.4	3.4	557	1.20	1.8	<0.5	0.6	28	<0.1	<0.1	<0.1	26	0.22	0.075	3
BM11 MP189	Soil		0.4	8.3	5.3	73	<0.1	8.5	4.5	616	1.55	1.6	<0.5	0.8	34	0.1	0.1	<0.1	36	0.28	0.103	4
BM11 MP190	Soil		0.5	9.0	5.0	70	<0.1	6.2	5.1	563	1.65	1.7	<0.5	0.9	21	<0.1	0.2	<0.1	35	0.16	0.190	4
BM11 MP191	Soil		0.5	9.8	5.4	77	0.1	7.5	4.8	1023	1.56	1.4	<0.5	0.8	35	0.2	0.1	<0.1	33	0.28	0.130	4
BM11 MP192	Soil		0.8	9.7	6.0	71	<0.1	7.1	5.1	1060	1.68	1.5	<0.5	0.9	18	0.2	0.2	<0.1	34	0.19	0.116	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MP163	Soil			18	0.42	142	0.105	2	1.31	0.024	0.05	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MP164	Soil			18	0.42	147	0.105	<1	1.26	0.021	0.05	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MP165	Soil			15	0.35	143	0.084	<1	1.48	0.016	0.08	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP166	Soil			16	0.39	132	0.091	3	1.55	0.014	0.09	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MP167	Soil			15	0.31	109	0.091	3	1.35	0.017	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 MP168	Soil			13	0.28	132	0.082	<1	1.31	0.014	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MP169	Soil			11	0.25	118	0.069	1	1.29	0.013	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP170	Soil			13	0.28	165	0.072	3	1.30	0.014	0.10	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP171	Soil			15	0.30	141	0.082	3	1.31	0.013	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP172	Soil			14	0.26	108	0.081	2	1.10	0.013	0.04	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 MP173	Soil			16	0.33	158	0.082	4	1.90	0.015	0.07	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MP174	Soil			11	0.21	131	0.078	<1	1.22	0.014	0.06	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MP175	Soil			9	0.34	140	0.131	1	2.88	0.017	0.08	<0.1	0.04	3.2	<0.1	<0.05	8	<0.5	<0.2
BM11 MP176	Soil			10	0.23	110	0.075	3	1.64	0.018	0.04	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP177	Soil			15	0.36	107	0.085	2	2.16	0.013	0.06	<0.1	0.01	2.3	<0.1	<0.05	7	<0.5	<0.2
BM11 MP178	Soil			17	0.36	105	0.081	3	1.51	0.014	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP179	Soil			9	0.31	126	0.093	1	1.94	0.017	0.07	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP180	Soil			11	0.25	128	0.071	3	1.53	0.018	0.07	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP181	Soil			9	0.25	108	0.072	3	0.99	0.012	0.07	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP182	Soil			14	0.39	137	0.094	3	1.72	0.019	0.11	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP183	Soil			11	0.25	78	0.078	1	1.30	0.015	0.06	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP184	Soil			18	0.68	92	0.137	2	1.86	0.024	0.13	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP185	Soil			26	0.72	112	0.148	3	1.42	0.033	0.09	<0.1	0.03	4.6	<0.1	<0.05	5	1.1	<0.2
BM11 MP186	Soil			16	0.46	141	0.097	3	1.64	0.016	0.11	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP187	Soil			11	0.30	96	0.066	3	0.90	0.010	0.07	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM11 MP188	Soil			10	0.18	102	0.069	4	1.21	0.017	0.06	<0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP189	Soil			11	0.23	138	0.069	2	1.45	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	0.6	<0.2
BM11 MP190	Soil			10	0.21	162	0.059	3	1.19	0.016	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP191	Soil			10	0.23	161	0.072	2	1.42	0.015	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	0.5	<0.2
BM11 MP192	Soil			11	0.26	133	0.067	2	1.44	0.012	0.06	<0.1	0.02	2.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	%	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	
BM11 MP193	Soil	0.5	12.2	5.7	37	<0.1	5.8	4.8	592	1.58	1.2	<0.5	0.8	30	0.1	0.2	<0.1	35	0.29	0.022	23
BM11 MP194	Soil	0.5	8.8	5.8	52	<0.1	6.1	4.3	623	1.64	2.1	3.7	0.7	23	0.1	0.2	<0.1	33	0.25	0.098	4
BM11 MP195	Soil	0.5	8.3	6.1	60	<0.1	7.8	4.8	813	1.75	1.6	<0.5	0.9	21	<0.1	0.2	<0.1	35	0.23	0.095	5
BM11 MP196	Soil	0.5	9.4	6.1	62	<0.1	7.4	4.7	731	1.77	1.1	<0.5	0.8	19	<0.1	0.2	<0.1	37	0.20	0.079	4
BM11 MP197	Soil	0.6	8.4	5.7	55	<0.1	6.4	4.3	786	1.51	1.3	<0.5	0.8	19	<0.1	0.2	<0.1	31	0.21	0.081	4
BM11 MP198	Soil	0.6	10.7	5.6	61	<0.1	8.6	5.8	311	1.99	1.3	<0.5	1.0	29	<0.1	0.2	<0.1	43	0.32	0.050	6
BM11 MP199	Soil	0.9	19.5	5.8	30	<0.1	8.0	5.9	558	1.95	2.8	<0.5	1.2	38	<0.1	0.1	<0.1	42	0.49	0.014	36
BM11 MP200	Soil	0.7	10.8	5.9	39	<0.1	7.9	5.7	419	1.87	1.6	<0.5	0.9	29	<0.1	0.2	<0.1	43	0.29	0.015	12
BM11 S21	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP201	Soil	0.5	9.9	5.6	67	<0.1	8.0	5.3	622	1.81	2.8	<0.5	1.0	28	0.1	0.2	<0.1	34	0.28	0.160	6
BM11 MP202	Soil	0.5	8.6	5.4	80	<0.1	6.9	4.4	480	1.62	<0.5	<0.5	0.9	20	0.1	0.2	<0.1	30	0.20	0.093	5
BM11 MP203	Soil	0.7	6.3	6.2	46	<0.1	5.6	4.4	600	1.69	1.7	<0.5	0.7	14	<0.1	0.2	<0.1	36	0.17	0.067	4
BM11 MP204	Soil	0.6	7.6	6.1	51	<0.1	5.0	4.2	586	1.52	2.2	1.0	0.8	12	<0.1	0.1	0.1	34	0.13	0.078	4
BM11 MP205	Soil	0.5	5.7	5.8	47	<0.1	3.8	3.4	514	1.30	1.2	0.7	0.6	18	0.1	0.1	<0.1	31	0.19	0.033	5
BM11 MP206	Soil	0.4	13.0	5.7	42	0.1	6.3	4.4	273	1.71	1.8	2.0	1.0	31	<0.1	0.2	0.1	41	0.35	0.023	15
BM11 MP207	Soil	0.5	9.0	6.5	73	<0.1	5.0	4.1	930	1.22	2.9	<0.5	0.8	18	0.1	<0.1	0.1	23	0.19	0.228	3
BM11 MP208	Soil	0.4	7.6	5.9	71	<0.1	6.4	4.4	835	1.50	2.0	<0.5	0.9	13	0.1	0.2	0.1	33	0.16	0.111	5
BM11 MP209	Soil	0.5	6.4	5.8	37	0.1	4.0	3.1	645	1.12	2.4	<0.5	0.6	15	<0.1	0.1	<0.1	26	0.22	0.090	3
BM11 MP210	Soil	0.5	6.7	5.6	61	<0.1	5.6	4.1	760	1.33	1.5	<0.5	0.7	28	0.3	0.1	0.1	30	0.26	0.042	4
BM11 MP211	Soil	0.5	7.7	5.8	70	<0.1	6.6	4.8	747	1.62	2.1	0.8	0.8	30	0.2	0.1	<0.1	35	0.41	0.063	6
BM11 MP212	Soil	0.6	8.6	6.5	69	<0.1	6.2	4.4	962	1.44	1.8	<0.5	0.7	17	0.1	0.1	<0.1	31	0.24	0.052	4
BM11 MP213	Soil	0.6	5.2	4.9	43	<0.1	3.8	3.2	653	1.23	1.2	0.9	0.6	13	0.1	0.1	<0.1	30	0.17	0.024	4
BM11 MP214	Soil	0.6	6.8	5.3	43	<0.1	5.2	4.0	558	1.50	1.8	1.2	0.6	21	<0.1	0.2	0.1	37	0.20	0.038	4
BM11 MP215	Soil	0.6	8.3	5.9	47	<0.1	6.1	4.8	334	1.77	2.4	6.0	0.9	23	0.1	0.2	<0.1	40	0.22	0.079	6
BM11 MP216	Soil	0.5	6.4	5.8	58	<0.1	4.5	4.0	729	1.37	2.2	1.0	0.7	16	<0.1	0.2	<0.1	32	0.23	0.090	4
BM11 MP217	Soil	0.6	11.4	5.9	69	<0.1	8.5	6.1	545	2.00	2.9	<0.5	0.9	21	<0.1	0.2	0.1	47	0.30	0.105	5
BM11 MP218	Soil	0.5	10.7	5.7	54	<0.1	7.8	5.8	386	1.83	2.5	<0.5	0.7	22	<0.1	0.2	<0.1	47	0.28	0.062	5
BM11 MP219	Soil	0.6	9.0	6.0	53	<0.1	7.3	5.2	392	1.79	2.3	<0.5	0.7	24	0.2	0.2	<0.1	45	0.24	0.104	4
BM11 MP220	Soil	0.8	53.7	7.9	46	0.5	19.0	8.2	621	3.18	4.3	2.0	2.3	69	0.4	0.3	0.2	53	1.03	0.031	52
BM11 MP221	Soil	0.7	7.8	5.8	45	<0.1	5.5	5.2	334	1.80	2.6	<0.5	0.8	55	0.1	0.2	<0.1	49	0.32	0.054	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	
BM11 MP193	Soil	11	0.30	115	0.062	<1	1.22	0.018	0.05	<0.1	0.01	3.2	<0.1	<0.05	4	0.7	<0.2
BM11 MP194	Soil	10	0.22	126	0.062	2	1.22	0.014	0.05	<0.1	0.02	1.7	<0.1	<0.05	4	0.6	<0.2
BM11 MP195	Soil	11	0.24	149	0.072	3	1.51	0.017	0.06	<0.1	0.01	2.0	<0.1	<0.05	5	0.8	<0.2
BM11 MP196	Soil	12	0.25	125	0.072	2	1.45	0.014	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP197	Soil	10	0.21	107	0.064	3	1.22	0.015	0.06	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MP198	Soil	13	0.31	135	0.075	7	1.58	0.015	0.08	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 MP199	Soil	13	0.33	131	0.047	4	1.36	0.025	0.06	<0.1	0.02	3.8	<0.1	<0.05	5	0.9	<0.2
BM11 MP200	Soil	13	0.32	110	0.076	1	1.12	0.017	0.09	<0.1	0.01	2.7	<0.1	<0.05	4	0.6	<0.2
BM11 S21	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP201	Soil	12	0.27	197	0.061	1	1.38	0.015	0.08	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MP202	Soil	10	0.25	170	0.065	1	1.26	0.018	0.05	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 MP203	Soil	11	0.21	92	0.066	2	1.11	0.013	0.04	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP204	Soil	9	0.21	113	0.048	1	1.25	0.010	0.04	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP205	Soil	8	0.18	103	0.059	2	0.85	0.013	0.05	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11 MP206	Soil	12	0.27	103	0.071	2	1.06	0.018	0.08	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11 MP207	Soil	7	0.17	154	0.069	2	1.57	0.014	0.05	<0.1	0.04	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP208	Soil	10	0.20	130	0.058	1	1.61	0.010	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MP209	Soil	6	0.13	121	0.047	1	0.87	0.011	0.04	<0.1	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11 MP210	Soil	8	0.21	125	0.055	<1	1.33	0.013	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MP211	Soil	9	0.27	150	0.065	1	1.71	0.011	0.10	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 MP212	Soil	9	0.22	155	0.041	<1	1.32	0.012	0.08	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP213	Soil	7	0.17	86	0.031	<1	0.79	0.010	0.06	<0.1	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
BM11 MP214	Soil	8	0.21	101	0.039	<1	0.97	0.009	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11 MP215	Soil	10	0.26	118	0.036	2	1.36	0.009	0.08	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 MP216	Soil	8	0.17	131	0.030	1	0.90	0.011	0.05	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP217	Soil	13	0.31	131	0.060	<1	1.33	0.013	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP218	Soil	13	0.29	116	0.060	1	1.22	0.011	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP219	Soil	11	0.27	112	0.057	1	1.21	0.013	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP220	Soil	24	0.57	211	0.028	1	4.17	0.019	0.07	<0.1	0.08	11.6	<0.1	<0.05	11	0.6	<0.2
BM11 MP221	Soil	10	0.27	106	0.088	<1	1.18	0.016	0.06	<0.1	0.02	2.4	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	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
BM11 MP222	Soil	0.4	7.4	6.0	45	<0.1	5.0	4.1	287	1.41	2.0	0.8	0.6	29	<0.1	0.1	<0.1	35	0.20	0.036	7
BM11 MP223	Soil	0.5	6.7	6.1	61	<0.1	4.7	4.1	643	1.40	2.3	1.7	0.8	12	<0.1	0.1	0.1	30	0.13	0.175	3
BM11 MP224	Soil	0.7	11.2	6.8	38	<0.1	9.1	9.6	569	2.31	3.9	22.9	1.4	53	<0.1	0.4	<0.1	62	0.58	0.015	10
BM11 MP225	Soil	0.6	14.1	6.8	64	<0.1	13.4	7.4	715	2.30	2.7	<0.5	1.1	52	0.2	0.2	0.1	47	0.74	0.079	10
BM11 MP226	Soil	0.7	14.9	6.4	60	0.1	12.2	6.8	592	2.19	2.2	1.0	1.2	53	0.2	0.2	<0.1	50	0.64	0.046	11
BM11 MP227	Soil	0.9	14.0	6.4	40	<0.1	9.1	7.7	491	2.22	5.5	<0.5	1.1	49	<0.1	0.3	<0.1	57	0.59	0.023	13
BM11 MP228	Soil	0.6	6.6	5.9	37	<0.1	5.4	4.3	312	1.59	2.2	1.0	0.6	26	<0.1	0.2	<0.1	41	0.27	0.048	4
BM11 MP229	Soil	0.6	10.0	5.3	52	<0.1	6.9	5.2	560	1.68	2.0	<0.5	0.8	30	<0.1	0.3	<0.1	45	0.31	0.035	8
BM11 MP230	Soil	0.9	12.3	5.7	86	0.1	8.7	6.2	991	2.07	2.8	<0.5	0.9	30	0.2	0.3	<0.1	50	0.31	0.106	5
BM11 MP231	Soil	0.7	10.7	5.3	47	<0.1	6.8	5.1	391	1.68	1.8	<0.5	0.7	28	0.1	0.3	<0.1	43	0.26	0.042	6
BM11 MP232	Soil	0.6	20.8	7.5	42	0.2	9.0	6.6	470	2.23	3.1	1.3	1.6	116	0.2	0.2	0.1	44	1.02	0.032	25
BM11 MP233	Soil	0.6	10.2	6.1	66	0.1	7.1	5.1	546	1.79	2.8	<0.5	0.8	22	0.1	0.2	<0.1	42	0.21	0.131	5
BM11 MP234	Soil	0.5	7.0	6.1	81	<0.1	6.0	4.4	1099	1.41	2.0	<0.5	0.8	20	<0.1	0.1	<0.1	31	0.18	0.154	3
BM11 MP235	Soil	0.7	9.9	6.1	73	<0.1	6.6	5.4	1112	1.68	2.4	0.8	0.8	26	0.2	0.2	<0.1	40	0.26	0.094	4
BM11 MP236	Soil	0.7	8.5	5.9	87	<0.1	6.8	4.7	1179	1.69	2.7	0.6	0.7	29	0.2	0.2	<0.1	42	0.24	0.080	4
BM11 MP237	Soil	0.6	9.6	6.6	43	<0.1	6.0	4.9	373	1.85	2.2	<0.5	0.8	46	<0.1	0.2	<0.1	46	0.26	0.042	5
BM11 MP238	Soil	0.6	11.7	7.0	64	<0.1	9.5	6.1	355	2.11	2.5	<0.5	1.0	40	<0.1	0.2	0.1	49	0.29	0.086	4
BM11 MP239	Soil	0.9	21.4	6.5	63	<0.1	11.5	8.9	846	2.75	3.8	<0.5	1.5	57	0.1	0.4	0.1	61	0.67	0.037	16
BM11 MP240	Soil	0.7	16.0	6.9	54	<0.1	10.1	7.9	531	2.17	2.0	2.6	1.1	34	<0.1	0.2	0.1	55	0.38	0.043	10
BM11 MP241	Soil	0.7	10.4	6.5	62	<0.1	9.1	6.1	844	1.84	2.0	1.7	1.0	24	<0.1	0.1	<0.1	46	0.24	0.098	5
BM11 MP242	Soil	0.7	9.4	6.8	64	<0.1	7.6	5.6	864	1.69	1.9	1.3	0.8	28	0.1	0.2	0.1	40	0.32	0.084	5
BM11 MP243	Soil	0.7	7.0	6.3	49	<0.1	7.2	4.8	698	1.59	2.9	14.2	0.9	20	<0.1	0.2	<0.1	40	0.23	0.091	4
BM11 MP244	Soil	0.7	10.0	6.5	44	<0.1	7.0	5.5	422	1.89	2.5	1.3	0.9	22	<0.1	0.3	<0.1	50	0.23	0.068	5
BM11 MP245	Soil	1.2	8.7	6.3	54	<0.1	6.0	5.4	240	2.24	2.6	2.5	0.9	25	<0.1	0.3	<0.1	56	0.28	0.099	5
BM11 MP246	Soil	0.7	8.9	5.8	62	<0.1	6.1	5.8	408	2.00	2.5	1.7	1.0	42	<0.1	0.2	<0.1	52	0.33	0.101	6
BM11 MP247	Soil	1.0	12.1	6.7	69	<0.1	9.1	6.6	513	2.01	2.0	2.0	1.0	30	<0.1	0.2	<0.1	50	0.38	0.097	5
BM11 MP248	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.
BM11 MP249	Soil	1.1	8.9	5.4	53	<0.1	5.1	5.5	302	1.90	2.4	3.9	0.8	54	<0.1	0.2	<0.1	55	0.45	0.052	6
BM11 MP250	Soil	0.9	8.5	6.4	87	0.1	4.7	5.6	376	1.78	3.2	2.1	0.8	46	<0.1	0.2	<0.1	53	0.31	0.109	5
BM11 S23	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MP222	Soil			9	0.23	65	0.063	<1	1.12	0.014	0.04	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP223	Soil			8	0.16	91	0.056	<1	1.22	0.010	0.05	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP224	Soil			17	0.50	92	0.106	<1	1.58	0.037	0.07	0.1	0.03	6.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP225	Soil			21	0.41	173	0.070	2	2.13	0.020	0.11	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP226	Soil			21	0.42	157	0.078	2	1.75	0.016	0.10	<0.1	0.04	3.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP227	Soil			18	0.46	70	0.096	<1	1.53	0.014	0.07	0.1	0.04	4.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MP228	Soil			9	0.23	66	0.064	<1	1.03	0.016	0.05	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP229	Soil			12	0.30	76	0.070	1	1.04	0.014	0.06	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 MP230	Soil			13	0.35	122	0.071	<1	1.39	0.014	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP231	Soil			12	0.27	70	0.068	<1	1.18	0.017	0.05	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MP232	Soil			15	0.52	154	0.067	<1	2.31	0.024	0.08	<0.1	0.06	7.7	<0.1	<0.05	7	0.6	<0.2
BM11 MP233	Soil			10	0.26	106	0.070	<1	1.52	0.013	0.05	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MP234	Soil			9	0.18	105	0.064	1	1.20	0.012	0.05	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP235	Soil			11	0.26	120	0.062	<1	1.24	0.022	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP236	Soil			10	0.27	113	0.068	<1	1.30	0.010	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP237	Soil			11	0.30	148	0.093	<1	1.31	0.015	0.09	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MP238	Soil			12	0.38	120	0.091	1	1.69	0.012	0.13	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 MP239	Soil			20	0.60	124	0.094	1	1.89	0.018	0.08	<0.1	0.04	6.6	<0.1	<0.05	7	<0.5	<0.2
BM11 MP240	Soil			16	0.44	96	0.104	1	1.37	0.015	0.07	<0.1	0.02	3.1	<0.1	0.05	5	<0.5	<0.2
BM11 MP241	Soil			14	0.31	109	0.081	<1	1.64	0.026	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 MP242	Soil			12	0.27	114	0.069	2	1.50	0.016	0.08	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MP243	Soil			11	0.23	109	0.075	1	1.33	0.016	0.07	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP244	Soil			12	0.29	81	0.065	<1	1.13	0.012	0.07	<0.1	<0.01	2.0	<0.1	<0.05	4	0.8	<0.2
BM11 MP245	Soil			13	0.26	74	0.061	1	1.09	0.020	0.07	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MP246	Soil			11	0.24	120	0.083	<1	1.15	0.016	0.09	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 MP247	Soil			14	0.28	130	0.079	2	1.40	0.024	0.08	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP248	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.
BM11 MP249	Soil			13	0.25	123	0.115	2	1.08	0.015	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP250	Soil			11	0.23	135	0.127	2	1.20	0.018	0.10	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 S23	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	
BM11 MP251	Soil	1.3	8.7	6.1	42	<0.1	6.0	4.8	188	1.86	2.2	1.8	0.9	31	<0.1	0.2	<0.1	55	0.26	0.042	5
BM11 MP252	Soil	0.4	16.3	7.0	44	<0.1	7.6	6.0	326	1.98	2.0	1.7	1.3	58	<0.1	0.3	<0.1	47	0.59	0.033	30
BM11 MP253	Soil	0.8	39.9	8.1	71	0.3	19.0	10.9	1034	3.49	4.0	3.5	2.2	63	<0.1	0.3	0.1	53	0.85	0.052	57
BM11 MP254	Soil	0.5	24.7	8.0	54	0.1	13.5	7.6	513	2.48	2.2	2.6	1.4	63	<0.1	0.3	<0.1	49	0.84	0.033	27
BM11 MP255A	Soil	0.4	20.9	7.7	53	0.1	12.8	7.2	424	2.50	2.4	2.0	1.6	63	<0.1	0.2	0.1	55	0.71	0.026	21
BM11 MP255B	Soil	0.9	16.6	8.4	64	<0.1	12.5	8.5	989	2.54	3.2	4.9	1.4	31	<0.1	0.2	0.1	56	0.28	0.084	6
BM11 MP256	Soil	0.8	14.8	7.5	71	<0.1	9.6	6.9	1855	2.15	3.0	1.5	1.3	34	<0.1	0.2	<0.1	49	0.28	0.136	5
BM11 MP257	Soil	0.6	12.9	7.3	55	<0.1	10.3	7.0	1139	2.06	2.6	0.7	1.1	29	<0.1	0.2	0.1	47	0.26	0.092	5
BM11 MP258	Soil	0.7	13.7	7.1	59	<0.1	9.3	7.4	973	2.29	2.9	1.0	1.2	49	<0.1	0.2	<0.1	54	0.32	0.076	6
BM11 MP259	Soil	0.5	9.9	6.2	45	<0.1	6.1	5.2	429	1.63	1.8	1.3	0.8	35	<0.1	0.1	<0.1	45	0.25	0.028	6
BM11 MP260	Soil	0.5	10.9	6.6	73	<0.1	8.1	6.4	899	2.24	2.7	<0.5	0.9	36	0.1	0.2	<0.1	57	0.35	0.073	6
BM11 MP261	Soil	0.5	17.9	5.9	73	<0.1	10.9	9.3	916	2.30	2.5	1.0	0.9	49	<0.1	0.1	<0.1	58	0.54	0.086	6
BM11 MP261D	Soil	0.7	12.2	7.9	65	<0.1	10.3	6.7	1163	2.03	2.1	2.3	1.1	28	0.1	0.2	0.1	48	0.27	0.087	5
BM11 MP262	Soil	0.7	11.3	7.6	62	<0.1	9.2	6.2	1157	1.86	2.1	2.9	1.0	28	0.1	0.2	0.1	47	0.26	0.083	4
BM11 MP263	Soil	0.7	10.9	7.7	59	<0.1	8.7	6.4	990	2.02	2.1	1.4	1.0	29	<0.1	0.2	<0.1	48	0.29	0.071	5
BM11 MP264	Soil	0.6	14.2	7.7	65	<0.1	11.0	7.4	1029	2.47	2.6	0.7	1.1	27	0.1	0.2	<0.1	54	0.29	0.080	5
BM11 MP265	Soil	0.6	13.9	6.9	64	0.1	11.4	6.6	409	2.25	2.1	0.8	1.1	37	<0.1	0.2	<0.1	50	0.39	0.079	6
BM11 MP266	Soil	0.5	43.5	7.4	66	0.3	22.7	9.2	649	2.97	2.8	1.8	1.8	93	0.2	0.2	<0.1	60	0.85	0.046	35
BM11 MP267	Soil	0.8	68.4	8.5	62	0.5	30.7	10.3	830	3.10	4.6	<0.5	1.6	149	0.4	0.3	0.1	54	1.43	0.067	63
BM11 MP268	Soil	0.9	65.9	8.0	71	0.5	27.9	10.8	819	3.34	4.3	2.1	1.9	122	0.3	0.2	0.1	63	1.06	0.054	48
BM11 MP269	Soil	0.8	13.5	7.6	72	0.1	9.7	6.5	537	2.16	3.3	1.4	1.2	28	0.2	0.2	<0.1	52	0.32	0.146	5
BM11 MP270	Soil	0.7	11.5	7.0	64	0.1	10.7	6.3	448	2.01	2.2	0.6	1.1	23	<0.1	0.2	<0.1	48	0.27	0.076	5
BM11 MP271	Soil	0.7	12.5	7.2	60	<0.1	11.3	6.3	659	2.38	3.9	8.7	1.0	43	<0.1	0.3	<0.1	58	0.33	0.071	5
BM11 MP272	Soil	0.8	18.0	7.1	53	0.1	11.2	7.2	384	2.55	2.2	1.9	1.3	39	0.1	0.3	<0.1	57	0.42	0.046	13
BM11 MP273	Soil	1.0	15.7	7.7	54	<0.1	11.2	7.2	478	2.47	3.1	0.9	1.2	29	0.1	0.2	0.1	54	0.28	0.051	6
BM11 MP274	Soil	0.9	13.0	7.7	62	<0.1	9.9	6.6	544	2.14	2.3	<0.5	1.0	23	<0.1	0.2	0.1	52	0.28	0.075	5
BM11 MP275	Soil	0.6	8.0	6.5	57	<0.1	7.3	5.4	635	1.68	1.7	6.4	0.8	29	<0.1	0.2	0.1	44	0.27	0.075	4
BM11 MP276	Soil	0.8	8.5	8.8	68	0.1	7.7	4.9	658	1.67	2.0	<0.5	0.9	18	0.1	0.2	0.1	38	0.18	0.112	4
BM11 MP277	Soil	0.9	11.1	9.8	75	<0.1	7.3	5.8	1092	1.91	2.2	1.8	1.0	28	0.2	0.2	0.1	48	0.28	0.090	5
BM11 MP278	Soil	0.8	11.9	8.1	74	0.1	9.9	6.3	746	2.01	2.3	<0.5	1.1	25	0.1	0.3	0.1	50	0.25	0.114	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MP251	Soil			12	0.24	85	0.088	<1	1.11	0.025	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP252	Soil			15	0.41	112	0.107	<1	1.52	0.025	0.07	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP253	Soil			26	0.71	211	0.045	<1	3.97	0.023	0.14	<0.1	0.08	11.7	<0.1	<0.05	10	0.6	<0.2
BM11 MP254	Soil			20	0.57	146	0.096	<1	2.37	0.029	0.09	<0.1	0.05	6.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP255A	Soil			21	0.59	141	0.126	1	2.11	0.030	0.09	<0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP255B	Soil			16	0.43	137	0.082	2	2.72	0.014	0.09	<0.1	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
BM11 MP256	Soil			13	0.33	159	0.102	<1	2.30	0.018	0.08	<0.1	0.03	2.6	<0.1	<0.05	8	<0.5	<0.2
BM11 MP257	Soil			13	0.32	122	0.073	<1	2.02	0.017	0.06	<0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MP258	Soil			13	0.35	160	0.112	2	2.34	0.020	0.10	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 MP259	Soil			11	0.28	91	0.082	<1	1.24	0.016	0.05	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 MP260	Soil			12	0.34	125	0.123	<1	1.90	0.016	0.08	<0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11 MP261	Soil			14	0.41	147	0.120	2	2.32	0.019	0.09	<0.1	0.02	3.5	<0.1	<0.05	8	<0.5	<0.2
BM11 MP261D	Soil			13	0.30	128	0.081	1	1.66	0.015	0.10	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP262	Soil			12	0.29	124	0.079	<1	1.55	0.019	0.10	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP263	Soil			13	0.30	141	0.080	<1	1.90	0.016	0.08	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MP264	Soil			15	0.36	127	0.082	<1	2.16	0.016	0.09	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11 MP265	Soil			15	0.35	126	0.079	<1	1.70	0.017	0.08	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 MP266	Soil			30	0.63	195	0.075	1	2.83	0.022	0.12	<0.1	0.03	8.0	<0.1	<0.05	8	0.6	<0.2
BM11 MP267	Soil			36	0.74	258	0.043	<1	3.59	0.020	0.11	<0.1	0.09	9.3	0.1	<0.05	9	<0.5	<0.2
BM11 MP268	Soil			37	0.74	240	0.057	<1	3.51	0.023	0.12	<0.1	0.06	10.1	<0.1	<0.05	9	<0.5	<0.2
BM11 MP269	Soil			15	0.31	138	0.071	<1	1.66	0.015	0.08	<0.1	0.03	2.4	<0.1	<0.05	6	0.6	<0.2
BM11 MP270	Soil			14	0.29	108	0.081	<1	1.75	0.018	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP271	Soil			15	0.32	159	0.067	<1	1.69	0.020	0.10	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP272	Soil			18	0.40	146	0.063	1	1.82	0.017	0.08	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP273	Soil			15	0.35	159	0.061	<1	2.24	0.018	0.07	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MP274	Soil			14	0.32	133	0.058	1	1.83	0.012	0.10	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP275	Soil			12	0.23	111	0.069	2	1.35	0.016	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP276	Soil			10	0.18	108	0.058	1	1.43	0.016	0.05	<0.1	0.04	1.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP277	Soil			12	0.26	127	0.065	2	1.51	0.012	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP278	Soil			13	0.26	119	0.065	1	1.63	0.012	0.07	<0.1	0.03	2.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	
BM11 MP279	Soil		1.0	12.5	7.8	77	<0.1	10.4	6.7	554	2.17	2.3	<0.5	1.4	21	0.1	0.2	0.1	50	0.20	0.114	5
BM11 MP280	Soil		0.8	11.2	8.0	66	<0.1	8.1	5.4	763	2.01	2.4	0.6	0.9	36	<0.1	0.2	0.1	52	0.37	0.098	5
BM11 MP281	Soil		0.4	7.7	6.8	38	<0.1	6.0	4.2	245	1.44	1.1	<0.5	0.8	28	<0.1	0.1	<0.1	38	0.25	0.044	5
BM11 MP282	Soil		0.8	12.7	6.9	55	<0.1	10.4	6.5	534	2.17	2.7	2.7	1.0	34	<0.1	0.2	<0.1	56	0.30	0.085	5
BM11 MP283	Soil		0.9	11.1	8.5	67	<0.1	9.2	5.9	1046	1.87	2.5	2.2	0.9	30	0.1	0.2	0.1	46	0.27	0.089	5
BM11 MP284	Soil		0.6	13.3	6.8	55	<0.1	9.2	6.0	268	2.12	2.3	<0.5	1.0	38	<0.1	0.3	<0.1	56	0.26	0.050	7
BM11 MP285	Soil		0.7	13.7	6.0	45	<0.1	9.1	6.6	245	2.37	2.9	0.8	1.2	49	<0.1	0.3	<0.1	68	0.34	0.038	7
BM11 MP286	Soil		0.5	9.2	7.2	66	<0.1	7.9	5.7	629	1.80	2.3	<0.5	0.9	47	0.1	0.2	<0.1	48	0.40	0.079	4
BM11 MP287	Soil		0.5	10.0	5.6	50	<0.1	9.5	4.5	251	1.62	1.4	<0.5	0.8	46	<0.1	0.2	<0.1	48	0.28	0.036	9
BM11 MP288	Soil		0.4	12.4	5.4	52	<0.1	9.7	5.3	415	1.92	1.4	<0.5	1.0	49	0.1	0.2	<0.1	51	0.36	0.028	16
BM11 MP289	Soil		0.5	7.4	6.4	54	0.1	7.8	5.2	191	1.63	1.1	<0.5	0.7	28	0.1	0.1	<0.1	44	0.18	0.044	4
BM11 MP290	Soil		0.5	7.8	7.6	70	<0.1	8.3	5.8	719	1.65	2.0	<0.5	0.8	45	<0.1	0.2	<0.1	43	0.39	0.103	4
BM11 MP291	Soil		0.6	11.4	6.2	58	<0.1	10.2	6.2	220	1.83	1.7	<0.5	0.9	32	<0.1	0.2	<0.1	45	0.20	0.066	8
BM11 MP292	Soil		0.6	8.5	6.6	58	<0.1	7.4	5.6	730	1.83	2.0	<0.5	0.9	44	0.1	0.2	0.2	49	0.33	0.060	5
BM11 MP293	Soil		0.7	12.1	5.3	80	<0.1	10.6	6.0	1542	1.90	1.9	<0.5	1.0	26	0.2	0.1	0.1	52	0.24	0.109	4
BM11 MP293D	Soil		0.5	10.1	6.1	72	<0.1	7.7	5.9	350	1.90	1.7	<0.5	1.0	33	<0.1	0.2	<0.1	52	0.21	0.059	5
BM11 MP294	Soil		0.6	10.1	6.9	63	<0.1	6.1	5.8	449	2.23	3.0	0.6	1.0	49	<0.1	0.3	<0.1	67	0.28	0.056	5
BM11 MP295	Soil		0.6	7.8	6.0	55	<0.1	6.6	6.2	292	1.91	2.0	0.6	0.8	32	<0.1	0.2	<0.1	53	0.23	0.058	4
BM11 MP296	Soil		0.8	14.5	7.0	86	<0.1	8.1	6.4	974	1.97	1.7	1.0	1.2	43	0.2	0.2	<0.1	49	0.46	0.041	12
BM11 MP297	Soil		1.0	12.8	6.6	52	<0.1	9.2	7.6	610	1.97	2.4	<0.5	0.7	39	0.1	0.2	<0.1	54	0.43	0.033	7
BM11 MP298	Soil		0.6	39.2	7.3	78	0.2	17.3	9.6	1295	2.81	3.1	<0.5	1.8	87	0.2	0.3	0.1	56	0.84	0.063	56
BM11 MP299	Soil		0.7	40.5	8.5	69	0.2	17.7	10.9	1608	3.09	4.0	1.1	1.8	87	0.2	0.3	0.1	64	0.84	0.063	58
BM11 MP300	Soil		0.5	8.4	5.8	53	<0.1	5.8	4.9	701	1.54	1.6	<0.5	0.6	34	<0.1	0.2	<0.1	43	0.28	0.036	7
BM11 S30	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP301	Soil		0.5	8.8	5.5	54	<0.1	7.9	5.5	423	1.97	2.5	0.7	0.8	43	<0.1	0.2	<0.1	55	0.30	0.069	5
BM11 MP302	Soil		0.5	8.3	5.8	48	<0.1	7.3	5.2	371	1.76	2.3	1.0	0.8	34	<0.1	0.2	<0.1	46	0.26	0.072	5
BM11 MP303	Soil		0.7	11.6	6.1	52	<0.1	8.9	6.6	394	2.18	3.0	2.1	0.9	39	<0.1	0.2	<0.1	60	0.28	0.074	5
BM11 MP304	Soil		0.5	8.1	6.1	46	<0.1	6.7	4.9	391	1.86	2.1	0.6	0.9	45	0.1	0.2	<0.1	51	0.30	0.059	5
BM11 MP305	Soil		0.9	11.7	7.0	51	<0.1	7.0	5.9	648	2.11	2.8	9.1	0.9	68	0.1	0.3	<0.1	64	0.49	0.039	8
BM11 MP306	Soil		0.8	13.7	8.7	76	<0.1	8.9	7.4	870	2.29	3.5	4.3	1.0	56	0.3	0.3	<0.1	63	0.41	0.105	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	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
BM11 MP279	Soil	14	0.28	112	0.075	2	2.35	0.015	0.08	<0.1	0.04	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11 MP280	Soil	13	0.27	138	0.076	1	1.45	0.015	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MP281	Soil	10	0.20	73	0.073	1	1.15	0.017	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP282	Soil	15	0.29	124	0.090	1	1.73	0.015	0.09	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP283	Soil	12	0.24	140	0.066	2	1.46	0.014	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP284	Soil	15	0.31	99	0.087	<1	1.45	0.015	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP285	Soil	17	0.41	97	0.122	1	1.33	0.019	0.05	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP286	Soil	11	0.22	150	0.116	1	1.58	0.015	0.10	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MP287	Soil	16	0.23	136	0.112	<1	1.08	0.021	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP288	Soil	15	0.29	114	0.111	<1	1.37	0.016	0.08	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MP289	Soil	11	0.20	88	0.106	1	1.48	0.019	0.06	<0.1	<0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP290	Soil	11	0.22	145	0.102	2	1.50	0.013	0.13	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP291	Soil	14	0.25	93	0.091	<1	1.67	0.016	0.07	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MP292	Soil	10	0.22	145	0.098	1	1.36	0.016	0.10	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP293	Soil	15	0.23	195	0.089	1	1.73	0.013	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP293D	Soil	12	0.24	128	0.103	1	1.44	0.018	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP294	Soil	12	0.24	123	0.098	2	1.10	0.014	0.07	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MP295	Soil	11	0.23	107	0.092	<1	1.17	0.014	0.09	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP296	Soil	14	0.33	113	0.088	1	1.50	0.023	0.08	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP297	Soil	14	0.31	116	0.095	2	1.41	0.020	0.11	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MP298	Soil	24	0.56	223	0.068	1	3.06	0.023	0.15	<0.1	0.05	10.8	<0.1	<0.05	9	<0.5	<0.2
BM11 MP299	Soil	25	0.62	216	0.066	2	3.09	0.021	0.15	<0.1	0.05	12.0	<0.1	<0.05	9	<0.5	<0.2
BM11 MP300	Soil	10	0.21	93	0.090	1	1.14	0.021	0.08	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 S30	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MP301	Soil	14	0.26	113	0.111	1	1.20	0.012	0.10	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP302	Soil	12	0.22	104	0.094	<1	1.28	0.015	0.09	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MP303	Soil	15	0.30	104	0.100	1	1.39	0.016	0.07	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MP304	Soil	12	0.22	129	0.120	1	1.24	0.012	0.11	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP305	Soil	15	0.26	124	0.127	2	1.02	0.012	0.11	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP306	Soil	15	0.30	131	0.117	2	1.52	0.014	0.09	<0.1	0.02	3.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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	
BM11 MP307	Soil		0.6	9.4	6.3	97	<0.1	9.0	6.7	796	1.95	3.2	0.6	1.0	41	0.1	0.1	<0.1	49	0.31	0.208	5
BM11 MP308	Soil		0.6	13.0	6.1	74	0.1	10.1	7.4	677	2.24	3.6	<0.5	1.0	35	0.1	0.2	<0.1	58	0.25	0.117	5
BM11 MP309	Soil		0.7	14.6	6.1	74	0.2	10.3	7.1	473	2.02	2.9	<0.5	0.8	38	0.1	0.1	<0.1	48	0.31	0.120	6
BM11 MP310	Soil		0.5	50.5	6.9	73	0.3	22.5	11.0	795	3.47	5.1	<0.5	2.0	104	0.2	0.3	0.1	58	0.99	0.055	57
BM11 MP311	Soil		0.5	16.5	5.6	71	<0.1	14.3	8.1	663	2.59	3.7	<0.5	1.2	60	0.2	0.2	<0.1	68	0.37	0.078	18
BM11 MP312	Soil		0.6	19.1	5.8	48	<0.1	11.1	8.2	548	2.44	4.9	<0.5	1.1	93	<0.1	0.3	<0.1	71	0.63	0.057	13
BM11 MP313	Soil		1.2	24.4	6.9	77	<0.1	18.2	11.9	705	2.82	4.8	<0.5	1.0	79	0.3	0.4	<0.1	72	0.74	0.119	10
BM11 MP314	Soil		0.7	13.6	6.3	66	<0.1	12.5	7.9	615	2.26	3.3	<0.5	1.0	47	0.2	0.2	<0.1	61	0.38	0.102	6
BM11 MP315	Soil		0.6	16.4	5.1	49	<0.1	11.4	7.4	429	2.52	3.1	0.5	1.2	68	<0.1	0.3	<0.1	76	0.42	0.035	7
BM11 MP316	Soil		0.6	11.2	5.7	119	0.1	11.3	6.7	924	1.84	2.2	<0.5	1.1	27	0.2	0.1	<0.1	43	0.24	0.198	4
BM11 MP317	Soil		0.7	10.7	7.4	81	<0.1	11.1	7.2	631	2.03	2.2	2.0	0.9	41	0.2	0.2	0.1	44	0.48	0.147	5
BM11 MP318	Soil		1.3	20.5	6.6	46	<0.1	14.7	8.6	1296	2.18	2.4	2.2	1.0	75	0.2	0.2	<0.1	55	0.72	0.042	32
BM11 MP319	Soil		0.4	5.3	7.2	76	0.2	4.3	4.0	1191	1.72	1.3	1.0	0.4	40	0.1	<0.1	0.1	26	0.23	0.070	8
BM11 MP320	Soil		0.6	6.7	7.2	81	<0.1	5.8	4.8	1327	1.68	1.6	4.8	0.6	18	0.2	0.1	0.1	40	0.18	0.098	4
BM11 MP321	Soil		0.5	16.0	5.3	65	0.1	71.7	12.0	514	2.22	1.3	<0.5	0.8	44	<0.1	<0.1	<0.1	58	0.24	0.073	4
BM11 MP322	Soil		0.3	28.3	4.6	67	<0.1	126.3	17.2	531	2.86	1.3	1.1	1.1	75	<0.1	<0.1	<0.1	79	0.36	0.080	8
BM11 MP323	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.
BM11 MP23	Soil		0.5	9.2	5.0	46	<0.1	6.3	4.4	256	1.70	2.0	0.5	0.7	40	<0.1	0.1	<0.1	44	0.31	0.027	13
BM11 MP324	Soil		0.5	23.1	5.4	66	<0.1	85.1	13.6	569	2.51	2.0	1.5	0.8	52	<0.1	0.1	<0.1	66	0.35	0.084	7
BM11 MP325	Soil		0.5	6.5	6.2	62	<0.1	8.4	5.1	637	1.69	1.3	<0.5	0.6	25	<0.1	0.1	<0.1	39	0.25	0.079	3
BM11 MP326	Soil		0.3	5.6	5.2	73	<0.1	5.5	4.2	1123	1.79	1.0	<0.5	0.7	37	0.1	<0.1	<0.1	34	0.27	0.055	8
BM11 MP327	Soil		0.3	7.2	8.6	79	<0.1	6.6	5.1	1585	2.23	1.4	<0.5	0.6	115	0.1	<0.1	0.2	32	0.47	0.053	12
BM11 MP328	Soil		0.5	6.3	6.0	74	<0.1	6.5	4.3	906	1.84	1.2	1.0	0.7	34	0.1	<0.1	0.1	39	0.24	0.060	5
BM11 MP329	Soil		0.8	9.8	7.7	66	<0.1	8.5	6.2	881	2.10	1.9	1.1	0.7	29	0.1	0.1	<0.1	44	0.30	0.042	6
BM11 MP330	Soil		0.6	5.8	6.9	61	<0.1	4.3	4.8	1207	1.58	0.9	<0.5	0.5	36	<0.1	<0.1	<0.1	28	0.32	0.057	8
BM11 MP331	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.
BM11 MP332	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.
BM11 MP333	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.
BM11 MP334	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.
BM11 MP335	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

VAN11003939.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MP307	Soil			13	0.22	155	0.099	2	1.65	0.018	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MP308	Soil			15	0.34	110	0.106	2	1.71	0.013	0.08	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP309	Soil			15	0.29	125	0.075	2	2.01	0.013	0.12	<0.1	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MP310	Soil			30	0.82	186	0.046	<1	4.23	0.016	0.17	<0.1	0.07	16.5	<0.1	<0.05	11	0.8	<0.2
BM11 MP311	Soil			22	0.41	131	0.120	2	1.76	0.018	0.10	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
BM11 MP312	Soil			19	0.47	125	0.129	2	1.27	0.016	0.15	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MP313	Soil			23	0.55	137	0.124	3	1.74	0.017	0.13	<0.1	0.04	5.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MP314	Soil			18	0.38	118	0.124	3	1.59	0.015	0.09	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MP315	Soil			20	0.42	103	0.156	1	1.11	0.017	0.12	<0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11 MP316	Soil			15	0.28	152	0.095	2	1.67	0.014	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP317	Soil			16	0.36	168	0.070	2	1.49	0.010	0.11	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP318	Soil			19	0.46	142	0.088	1	1.46	0.022	0.08	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP319	Soil			8	0.30	56	0.042	<1	1.66	0.016	0.10	<0.1	0.04	1.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MP320	Soil			12	0.16	115	0.049	<1	1.16	0.009	0.06	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP321	Soil			81	0.71	110	0.068	<1	2.04	0.015	0.07	<0.1	0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MP322	Soil			167	1.20	133	0.075	<1	2.38	0.019	0.08	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MP323	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.
BM11 MP23	Soil			13	0.28	98	0.067	<1	1.02	0.021	0.04	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MP324	Soil			121	1.07	93	0.062	1	1.78	0.018	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MP325	Soil			15	0.22	100	0.040	<1	1.20	0.011	0.07	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MP326	Soil			11	0.26	141	0.096	<1	1.44	0.016	0.09	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MP327	Soil			11	0.50	195	0.053	<1	2.20	0.013	0.17	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	<0.2
BM11 MP328	Soil			12	0.27	99	0.059	<1	1.76	0.013	0.10	<0.1	0.01	1.7	<0.1	<0.05	7	<0.5	<0.2
BM11 MP329	Soil			14	0.37	115	0.066	<1	2.00	0.012	0.07	<0.1	0.02	2.1	<0.1	<0.05	8	<0.5	<0.2
BM11 MP330	Soil			9	0.24	174	0.033	<1	1.10	0.010	0.16	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MP331	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.
BM11 MP332	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.
BM11 MP333	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.
BM11 MP334	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.
BM11 MP335	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 9 of 9 Part 1

CERTIFICATE OF ANALYSIS

VAN11003939.1

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
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
BM11 MP336	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.
BM11 MP337	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.
BM11 MP338	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.
BM11 MP339	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.
BM11 MP340	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.
BM11 MP341	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.
BM11 MP342	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.
BM11 MP343	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.
BM11 MP344	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.
BM11 MP345	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 04, 2011

**Page:** 9 of 9 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN11003939.1**

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
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
BM11 MP336	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.
BM11 MP337	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.
BM11 MP338	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.
BM11 MP339	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.
BM11 MP340	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.
BM11 MP341	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.
BM11 MP342	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.
BM11 MP343	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.
BM11 MP344	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.
BM11 MP345	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 04, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11003939.1

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																					
BM11 MP138	Soil	0.7	10.6	5.2	37	0.1	6.6	5.3	641	1.58	3.1	<0.5	0.8	38	<0.1	0.2	<0.1	46	0.32	0.109	5
REP BM11 MP138	QC	0.6	11.0	5.4	38	0.1	5.9	5.2	618	1.54	3.3	<0.5	0.9	38	0.1	0.1	0.1	45	0.32	0.112	5
BM11 MP160	Soil	0.7	10.3	4.9	52	<0.1	10.0	5.6	397	1.66	1.3	<0.5	0.8	22	<0.1	0.1	<0.1	43	0.24	0.095	4
REP BM11 MP160	QC	0.5	10.4	5.1	51	<0.1	9.7	5.5	387	1.64	1.0	<0.5	0.8	22	0.1	0.1	<0.1	43	0.24	0.091	4
BM11 MP184	Soil	0.3	15.1	4.8	63	<0.1	25.6	9.3	749	2.50	2.1	<0.5	1.1	70	0.2	0.2	<0.1	58	0.67	0.130	7
REP BM11 MP184	QC	0.4	15.6	5.0	63	<0.1	23.6	9.2	740	2.44	1.8	<0.5	1.1	71	<0.1	0.1	<0.1	54	0.69	0.130	7
BM11 MP188	Soil	0.3	6.9	4.9	63	<0.1	8.4	3.4	557	1.20	1.8	<0.5	0.6	28	<0.1	<0.1	<0.1	26	0.22	0.075	3
REP BM11 MP188	QC	0.3	7.2	5.1	64	<0.1	8.2	3.3	558	1.18	1.9	<0.5	0.6	27	0.1	<0.1	<0.1	25	0.22	0.074	3
BM11 MP214	Soil	0.6	6.8	5.3	43	<0.1	5.2	4.0	558	1.50	1.8	1.2	0.6	21	<0.1	0.2	0.1	37	0.20	0.038	4
REP BM11 MP214	QC	0.6	7.1	5.5	41	<0.1	5.0	4.1	580	1.51	2.1	0.8	0.7	22	<0.1	0.2	0.1	37	0.20	0.042	4
BM11 MP222	Soil	0.4	7.4	6.0	45	<0.1	5.0	4.1	287	1.41	2.0	0.8	0.6	29	<0.1	0.1	<0.1	35	0.20	0.036	7
REP BM11 MP222	QC	0.4	7.3	5.8	43	<0.1	5.0	4.1	287	1.38	1.7	<0.5	0.6	28	<0.1	0.2	<0.1	35	0.19	0.037	7
BM11 MP249	Soil	1.1	8.9	5.4	53	<0.1	5.1	5.5	302	1.90	2.4	3.9	0.8	54	<0.1	0.2	<0.1	55	0.45	0.052	6
REP BM11 MP249	QC	1.0	9.4	5.9	58	<0.1	5.8	5.1	306	1.93	2.7	1.0	0.9	58	0.2	0.2	<0.1	55	0.46	0.054	7
BM11 MP268	Soil	0.9	65.9	8.0	71	0.5	27.9	10.8	819	3.34	4.3	2.1	1.9	122	0.3	0.2	0.1	63	1.06	0.054	48
REP BM11 MP268	QC	0.9	67.5	8.3	72	0.5	27.6	10.5	791	3.27	4.6	1.1	1.9	122	0.4	0.3	0.1	63	1.10	0.051	49
BM11 MP287	Soil	0.5	10.0	5.6	50	<0.1	9.5	4.5	251	1.62	1.4	<0.5	0.8	46	<0.1	0.2	<0.1	48	0.28	0.036	9
REP BM11 MP287	QC	0.3	9.6	5.5	48	<0.1	9.2	4.4	249	1.60	1.4	0.8	0.8	45	<0.1	0.2	<0.1	47	0.27	0.036	10
BM11 MP299	Soil	0.7	40.5	8.5	69	0.2	17.7	10.9	1608	3.09	4.0	1.1	1.8	87	0.2	0.3	0.1	64	0.84	0.063	58
REP BM11 MP299	QC	0.6	39.3	8.9	70	0.2	17.2	10.2	1520	3.00	4.0	0.6	1.8	88	0.2	0.3	0.1	63	0.86	0.065	61
BM11 MP311	Soil	0.5	16.5	5.6	71	<0.1	14.3	8.1	663	2.59	3.7	<0.5	1.2	60	0.2	0.2	<0.1	68	0.37	0.078	18
REP BM11 MP311	QC	0.7	15.7	5.6	70	<0.1	14.0	8.0	655	2.54	3.2	<0.5	1.1	61	0.2	0.2	<0.1	69	0.37	0.076	17
Reference Materials																					
STD DS8	Standard	13.7	118.8	120.4	321	1.8	41.6	8.2	624	2.51	25.3	109.5	6.6	65	2.3	5.2	6.1	44	0.71	0.081	13
STD DS8	Standard	12.5	95.4	123.8	301	1.8	38.0	7.5	581	2.39	21.8	110.5	6.2	53	1.9	4.4	5.2	40	0.64	0.071	12
STD DS8	Standard	13.1	115.0	124.2	313	1.8	38.4	7.7	592	2.39	24.0	109.3	6.7	66	2.2	6.0	6.6	49	0.66	0.075	15
STD DS8	Standard	14.1	118.4	129.6	323	1.8	39.6	8.0	637	2.54	26.6	120.5	7.0	71	2.5	6.0	6.4	46	0.73	0.085	16
STD DS8	Standard	12.3	106.4	120.0	307	1.7	36.8	6.9	581	2.34	24.1	97.0	6.5	69	2.0	5.7	6.7	40	0.66	0.080	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.





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 04, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003939.1

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																	
BM11 MP138	Soil	8	0.31	61	0.122	2	1.69	0.019	0.07	0.1	0.04	2.0	<0.1	<0.05	6	<0.5	<0.2
REP BM11 MP138	QC	8	0.32	63	0.120	4	1.75	0.020	0.07	0.1	0.04	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 MP160	Soil	14	0.29	129	0.081	2	1.49	0.016	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MP160	QC	12	0.27	129	0.075	1	1.39	0.018	0.05	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MP184	Soil	18	0.68	92	0.137	2	1.86	0.024	0.13	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MP184	QC	17	0.68	93	0.140	2	1.90	0.024	0.13	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MP188	Soil	10	0.18	102	0.069	4	1.21	0.017	0.06	<0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MP188	QC	10	0.18	103	0.069	2	1.22	0.018	0.07	<0.1	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MP214	Soil	8	0.21	101	0.039	<1	0.97	0.009	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
REP BM11 MP214	QC	10	0.22	103	0.043	<1	1.02	0.012	0.07	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MP222	Soil	9	0.23	65	0.063	<1	1.12	0.014	0.04	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11 MP222	QC	8	0.23	61	0.061	<1	1.10	0.014	0.04	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MP249	Soil	13	0.25	123	0.115	2	1.08	0.015	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11 MP249	QC	13	0.26	123	0.118	2	1.13	0.019	0.11	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MP268	Soil	37	0.74	240	0.057	<1	3.51	0.023	0.12	<0.1	0.06	10.1	<0.1	<0.05	9	<0.5	<0.2
REP BM11 MP268	QC	36	0.75	246	0.063	<1	3.58	0.026	0.12	<0.1	0.04	9.8	<0.1	<0.05	10	0.8	<0.2
BM11 MP287	Soil	16	0.23	136	0.112	<1	1.08	0.021	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11 MP287	QC	15	0.23	135	0.106	<1	1.05	0.016	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 MP299	Soil	25	0.62	216	0.066	2	3.09	0.021	0.15	<0.1	0.05	12.0	<0.1	<0.05	9	<0.5	<0.2
REP BM11 MP299	QC	25	0.60	209	0.067	2	3.02	0.020	0.14	<0.1	0.06	12.0	<0.1	<0.05	9	0.7	<0.2
BM11 MP311	Soil	22	0.41	131	0.120	2	1.76	0.018	0.10	<0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
REP BM11 MP311	QC	21	0.42	129	0.118	2	1.71	0.018	0.10	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	123	0.61	263	0.128	3	0.91	0.087	0.41	2.8	0.18	2.3	5.1	0.18	5	5.9	4.6
STD DS8	Standard	123	0.58	251	0.096	2	0.82	0.075	0.37	2.8	0.19	1.8	5.4	0.15	4	4.9	4.6
STD DS8	Standard	115	0.68	276	0.117	2	0.89	0.102	0.39	3.1	0.23	2.1	5.5	0.07	5	5.1	5.2
STD DS8	Standard	123	0.62	291	0.127	3	0.95	0.112	0.44	3.1	0.21	2.8	5.7	0.14	5	4.7	5.5
STD DS8	Standard	112	0.65	269	0.109	5	0.92	0.112	0.41	3.0	0.18	2.5	5.4	0.15	4	4.3	5.4



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 04, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003939.1

		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 DS8	Standard	11.3	99.7	119.8	284	1.6	34.5	6.6	558	2.27	22.8	107.1	6.3	63	2.1	5.7	6.6	37	0.61	0.074	13
STD DS8	Standard	14.2	108.6	127.5	317	1.9	37.5	7.2	626	2.63	25.6	109.8	7.3	67	2.5	5.6	6.5	43	0.70	0.079	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 04, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003939.1

		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 DS8	Standard	106	0.58	262	0.102	2	0.86	0.091	0.41	2.7	0.19	2.3	5.1	0.12	4	5.0	4.8
STD DS8	Standard	118	0.64	285	0.123	2	0.95	0.097	0.42	3.1	0.18	2.3	5.5	0.13	4	4.6	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: November 07, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN11003940.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #3
P.O. Number
Number of Samples: 168

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, and 1DX2.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003940.1

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		
				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	
BM11 MK226	Soil			0.4	6.7	5.8	52	<0.1	5.7	4.3	368	1.46	2.2	1.2	1.0	33	<0.1	0.2	<0.1	47	0.32	0.088	5
BM11 MK227	Soil			0.7	7.1	4.7	53	<0.1	5.9	4.2	353	1.58	2.3	2.0	0.8	27	<0.1	0.2	<0.1	57	0.31	0.052	5
BM11 MK228	Soil			0.6	5.3	4.8	47	<0.1	4.4	3.5	332	1.38	1.5	3.9	0.6	19	<0.1	0.2	<0.1	53	0.17	0.043	4
BM11 MK229	Soil			0.8	7.7	6.3	86	0.1	6.9	4.7	848	1.64	2.5	40.6	1.0	23	0.1	0.2	<0.1	57	0.24	0.107	4
BM11 MK230	Soil			0.4	6.6	5.1	61	<0.1	5.7	4.0	376	1.55	1.5	2.7	1.0	41	<0.1	0.2	<0.1	55	0.24	0.080	5
BM11 MK231	Soil			0.7	10.6	6.4	67	0.1	8.2	4.6	463	1.72	1.7	0.6	1.3	24	<0.1	0.2	0.1	60	0.16	0.074	5
BM11 MK232	Soil			0.8	6.4	8.7	70	<0.1	6.2	3.8	962	1.53	3.0	<0.5	1.1	31	<0.1	0.1	<0.1	50	0.28	0.159	9
BM11 MK233	Soil			0.5	8.4	5.4	70	<0.1	7.8	4.7	554	1.74	2.2	0.6	1.0	26	0.1	0.2	<0.1	63	0.22	0.032	5
BM11 MK234	Soil			0.5	7.2	5.9	81	0.1	8.6	4.0	342	1.43	1.5	1.8	0.9	18	0.2	0.1	<0.1	52	0.14	0.084	4
BM11 MK235	Soil			0.4	6.8	5.3	77	0.1	7.4	4.2	544	1.42	1.7	2.6	0.9	18	<0.1	0.2	<0.1	54	0.17	0.063	4
BM11 MK236	Soil			0.5	5.5	4.9	80	<0.1	4.9	3.2	1015	1.29	1.4	<0.5	0.6	25	<0.1	0.2	<0.1	50	0.25	0.041	3
BM11 MK237	Soil			0.6	9.8	6.0	75	0.1	8.5	4.9	425	1.79	3.0	2.0	1.1	18	0.1	0.2	<0.1	61	0.18	0.087	5
BM11 MK238	Soil			0.4	8.8	6.4	92	0.3	7.8	4.6	749	1.59	3.5	0.9	1.0	25	0.2	0.3	<0.1	58	0.28	0.089	6
BM11 MK239	Soil			0.6	11.7	8.3	71	0.1	7.5	5.2	1158	1.77	3.7	2.1	0.8	41	0.2	0.2	<0.1	60	0.48	0.080	7
BM11 MK240	Soil			0.6	8.1	5.9	67	0.1	7.7	4.9	471	1.68	3.2	6.8	0.9	26	<0.1	0.2	<0.1	62	0.27	0.093	5
BM11 MK241	Soil			0.5	9.4	5.5	53	0.2	6.6	4.2	475	1.59	1.8	8.0	0.9	27	<0.1	0.2	<0.1	58	0.25	0.030	11
BM11 MK242	Soil			0.8	12.9	5.8	50	<0.1	7.8	5.5	308	2.24	2.8	1.9	1.6	27	0.1	0.2	<0.1	76	0.26	0.047	7
BM11 MK243	Soil			0.7	11.3	6.8	72	<0.1	8.4	5.9	632	2.03	2.8	36.6	1.5	25	0.1	0.2	<0.1	64	0.25	0.078	7
BM11 MK244	Soil			0.8	13.4	7.1	77	0.1	9.7	6.8	880	2.02	3.5	0.8	1.4	30	0.2	0.2	<0.1	61	0.29	0.137	8
BM11 MK245	Soil			0.6	10.7	5.6	57	<0.1	7.5	6.6	270	1.87	2.4	3.0	1.2	25	<0.1	0.2	<0.1	68	0.26	0.051	7
BM11 MK246	Soil			0.8	16.4	6.3	63	<0.1	8.9	7.5	282	2.23	3.5	3.1	1.6	23	<0.1	0.3	<0.1	73	0.24	0.085	8
BM11 MK247	Soil			0.8	7.5	5.6	59	<0.1	7.3	5.5	680	1.57	3.2	3.0	1.0	25	<0.1	0.2	<0.1	53	0.24	0.076	5
BM11 MK248	Soil			0.6	13.6	7.1	66	<0.1	9.4	7.6	553	2.08	4.5	0.8	1.3	35	0.1	0.2	<0.1	68	0.31	0.057	6
BM11 MK249	Soil			0.5	30.8	6.9	51	0.3	13.4	9.0	822	2.63	4.7	5.1	1.8	39	0.2	0.3	<0.1	75	0.59	0.034	28
BM11 MK250	Soil			0.7	17.9	7.2	83	0.1	8.9	9.4	733	3.08	11.8	2.0	1.2	30	0.1	0.3	<0.1	128	0.80	0.178	8
BM11 S19	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MK251	Soil			0.6	29.2	8.2	69	<0.1	11.9	11.4	504	3.13	6.0	4.9	1.6	26	0.1	0.2	<0.1	113	0.50	0.091	11
BM11 MK252	Soil			0.5	13.8	6.0	59	<0.1	8.5	6.9	432	1.96	1.9	1.8	1.1	18	<0.1	0.1	<0.1	74	0.25	0.059	6
BM11 MK253	Soil			0.4	22.4	6.0	60	0.2	10.3	6.2	527	2.23	1.8	3.3	1.8	47	0.1	0.2	<0.1	60	0.54	0.031	31
BM11 MK254	Soil			0.4	12.5	6.0	79	<0.1	10.4	5.9	534	2.06	2.4	1.0	1.2	49	0.2	0.2	<0.1	61	0.45	0.068	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 2 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003940.1

Method	Analyte	Unit	MDL	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		
				1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
BM11 MK226	Soil			8	0.22	115	0.080	<1	1.37	0.020	0.08	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK227	Soil			9	0.20	117	0.084	<1	0.98	0.018	0.08	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MK228	Soil			8	0.17	102	0.067	<1	1.00	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MK229	Soil			10	0.23	174	0.076	<1	1.50	0.015	0.09	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK230	Soil			8	0.22	158	0.080	<1	1.40	0.022	0.13	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK231	Soil			9	0.22	123	0.095	<1	1.66	0.024	0.06	<0.1	0.01	2.0	<0.1	<0.05	6	0.8	<0.2
BM11 MK232	Soil			7	0.19	160	0.103	<1	1.69	0.026	0.06	<0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MK233	Soil			11	0.25	174	0.073	<1	1.56	0.015	0.07	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK234	Soil			8	0.19	147	0.069	<1	1.44	0.015	0.08	<0.1	<0.01	1.4	<0.1	<0.05	5	0.8	<0.2
BM11 MK235	Soil			9	0.19	118	0.068	<1	1.25	0.016	0.07	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MK236	Soil			7	0.16	136	0.069	<1	1.02	0.017	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11 MK237	Soil			11	0.23	165	0.060	<1	1.43	0.015	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK238	Soil			10	0.22	186	0.069	1	1.32	0.021	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK239	Soil			11	0.24	230	0.063	<1	1.23	0.013	0.10	<0.1	0.05	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK240	Soil			11	0.22	160	0.062	<1	1.31	0.018	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK241	Soil			11	0.23	128	0.073	<1	1.26	0.017	0.06	<0.1	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
BM11 MK242	Soil			14	0.34	146	0.088	<1	1.44	0.013	0.08	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MK243	Soil			12	0.30	156	0.095	2	2.16	0.015	0.08	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MK244	Soil			11	0.30	148	0.104	3	2.44	0.016	0.09	<0.1	0.05	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 MK245	Soil			8	0.29	78	0.135	<1	2.07	0.023	0.04	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 MK246	Soil			12	0.38	109	0.136	<1	2.93	0.021	0.07	0.1	0.04	3.6	<0.1	<0.05	9	<0.5	<0.2
BM11 MK247	Soil			9	0.23	111	0.093	<1	1.87	0.024	0.07	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK248	Soil			10	0.37	111	0.159	<1	2.43	0.021	0.07	<0.1	0.03	2.8	<0.1	<0.05	8	<0.5	<0.2
BM11 MK249	Soil			18	0.50	102	0.123	<1	2.93	0.038	0.11	<0.1	0.07	8.0	<0.1	<0.05	8	1.5	<0.2
BM11 MK250	Soil			19	0.57	57	0.323	2	3.21	0.020	0.05	0.2	0.07	6.2	<0.1	<0.05	12	1.0	<0.2
BM11 S19	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MK251	Soil			20	0.71	43	0.290	<1	3.94	0.021	0.06	0.1	0.04	6.4	<0.1	<0.05	12	<0.5	<0.2
BM11 MK252	Soil			11	0.37	54	0.178	<1	2.44	0.029	0.05	<0.1	0.02	3.3	<0.1	<0.05	8	<0.5	<0.2
BM11 MK253	Soil			15	0.41	124	0.086	<1	2.08	0.025	0.10	<0.1	0.03	7.6	<0.1	<0.05	6	1.1	<0.2
BM11 MK254	Soil			12	0.39	123	0.132	<1	2.45	0.019	0.10	<0.1	0.02	4.1	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003940.1

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	
BM11 MK255	Soil		0.7	9.6	5.3	104	<0.1	6.2	5.3	681	1.83	2.6	2.0	1.0	23	0.2	0.3	<0.1	58	0.20	0.059	6
BM11 MK256	Soil		0.5	9.5	5.6	43	<0.1	6.1	4.9	485	1.87	2.2	1.3	1.1	29	<0.1	0.2	<0.1	65	0.38	0.018	9
BM11 MK257	Soil		0.8	12.6	5.9	132	<0.1	7.3	5.3	908	1.74	4.6	2.2	1.2	38	0.3	0.2	<0.1	55	0.31	0.161	5
BM11 MK258	Soil		0.6	5.3	8.2	41	<0.1	4.0	3.5	411	1.35	2.2	2.3	1.0	17	<0.1	<0.1	0.1	39	0.15	0.129	4
BM11 MK259	Soil		0.8	18.6	10.4	63	0.2	12.6	5.9	436	2.61	5.1	1.6	2.4	23	0.2	0.3	0.1	64	0.25	0.188	11
BM11 MK260	Soil		0.7	10.9	7.4	47	0.1	6.2	5.6	608	1.98	3.3	<0.5	1.5	30	<0.1	0.1	<0.1	62	0.23	0.142	11
BM11 MK261	Soil		0.5	13.8	7.3	72	<0.1	9.2	5.8	850	1.82	3.5	1.5	1.3	30	0.2	0.2	0.1	35	0.35	0.278	6
BM11 MK262	Soil		0.6	13.2	6.7	34	0.2	8.5	5.4	459	1.73	2.2	<0.5	0.9	29	<0.1	0.2	<0.1	43	0.33	0.023	17
BM11 MK263	Soil		0.4	15.1	4.8	42	0.1	11.3	5.3	591	1.73	1.8	3.0	0.9	31	<0.1	0.1	<0.1	41	0.38	0.018	16
BM11 MK264	Soil		0.4	13.5	5.8	42	<0.1	8.2	5.6	453	1.77	2.0	0.6	1.0	34	<0.1	0.2	<0.1	45	0.34	0.038	15
BM11 MK265	Soil		0.3	9.8	5.2	34	<0.1	6.7	4.1	313	1.52	1.3	2.2	0.8	26	<0.1	0.2	<0.1	41	0.27	0.018	10
BM11 MK266	Soil		0.4	8.7	5.2	53	<0.1	8.7	5.0	340	1.67	2.1	1.5	0.9	20	<0.1	0.2	<0.1	42	0.20	0.064	4
BM11 MK267	Soil		0.6	8.6	5.3	47	<0.1	6.7	4.7	250	1.63	2.2	0.7	0.9	20	<0.1	0.1	<0.1	41	0.19	0.071	4
BM11 MK268	Soil		0.3	6.5	4.8	34	<0.1	5.0	3.6	131	1.31	1.1	1.2	0.6	22	<0.1	0.1	<0.1	35	0.21	0.025	4
BM11 MK269	Soil		0.2	14.4	6.2	31	<0.1	7.9	4.2	136	1.40	1.8	5.7	1.5	36	<0.1	0.1	<0.1	35	0.29	0.023	13
BM11 MK270	Soil		0.6	70.1	8.7	55	0.6	26.6	10.3	637	4.47	8.3	1.9	1.8	81	0.3	0.4	0.1	71	1.10	0.057	77
BM11 MK271	Soil		0.5	12.3	5.8	55	<0.1	9.4	5.2	293	1.84	1.8	1.2	1.1	33	<0.1	0.2	<0.1	49	0.31	0.037	7
BM11 MK272	Soil		0.4	11.7	6.2	49	<0.1	9.9	4.6	438	1.69	1.4	41.8	1.0	32	<0.1	0.1	<0.1	44	0.34	0.033	8
BM11 MK273	Soil		0.3	11.3	5.6	65	<0.1	12.1	6.1	340	1.93	2.0	<0.5	1.1	35	<0.1	0.1	<0.1	47	0.26	0.112	5
BM11 MK274	Soil		1.0	9.9	5.5	53	<0.1	6.7	5.0	545	1.75	2.5	1.1	0.8	26	<0.1	0.2	<0.1	45	0.21	0.087	5
BM11 MK275	Soil		0.5	9.7	5.4	44	<0.1	9.4	5.5	307	1.87	1.6	0.7	1.0	28	<0.1	0.2	0.1	50	0.32	0.021	6
BM11 MK276	Soil		0.5	11.6	5.6	74	<0.1	10.6	5.5	628	1.72	2.2	0.5	1.0	26	<0.1	0.1	<0.1	44	0.23	0.074	5
BM11 MK277	Soil		0.4	9.4	5.1	76	<0.1	10.6	5.3	634	1.70	1.7	0.9	0.9	24	0.1	0.1	<0.1	45	0.23	0.049	4
BM11 MK278	Soil		0.6	9.9	5.2	44	<0.1	9.3	5.7	335	1.87	1.6	3.4	0.9	28	<0.1	0.2	<0.1	55	0.25	0.023	4
BM11 MK279	Soil		0.6	9.8	5.2	59	<0.1	11.2	5.4	474	1.73	1.9	0.6	0.9	22	<0.1	0.1	<0.1	45	0.20	0.066	4
BM11 MK280	Soil		0.3	12.7	5.7	37	<0.1	9.4	4.8	194	1.58	1.9	0.8	1.5	40	<0.1	0.1	<0.1	44	0.31	0.034	7
BM11 MK281	Soil		0.3	8.0	4.9	52	<0.1	8.8	4.6	292	1.70	1.5	2.0	0.9	23	<0.1	0.1	<0.1	48	0.24	0.049	4
BM11 MK282	Soil		0.4	8.2	5.0	43	<0.1	5.9	4.4	266	1.81	2.4	1.2	0.8	27	<0.1	0.1	<0.1	55	0.22	0.038	4
BM11 MK283	Soil		0.6	13.8	5.9	43	<0.1	7.8	6.1	500	2.17	4.7	2.0	1.4	36	<0.1	0.2	<0.1	60	0.29	0.030	11
BM11 MK284	Soil		0.3	6.6	5.2	36	<0.1	5.5	3.6	202	1.28	3.4	1.8	1.0	33	<0.1	0.1	<0.1	29	0.23	0.209	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 3 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003940.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MK255	Soil			10	0.27	122	0.085	<1	1.21	0.017	0.08	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 MK256	Soil			13	0.31	53	0.116	<1	1.18	0.025	0.05	<0.1	0.02	3.3	<0.1	<0.05	4	0.5	<0.2
BM11 MK257	Soil			10	0.25	148	0.095	<1	1.75	0.024	0.11	<0.1	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MK258	Soil			5	0.12	46	0.165	<1	1.64	0.023	0.05	0.1	0.03	1.8	<0.1	<0.05	8	<0.5	<0.2
BM11 MK259	Soil			18	0.42	72	0.197	<1	3.21	0.017	0.06	0.2	0.02	4.3	<0.1	<0.05	12	<0.5	<0.2
BM11 MK260	Soil			5	0.30	67	0.173	<1	3.03	0.026	0.05	<0.1	0.07	3.7	<0.1	<0.05	9	<0.5	<0.2
BM11 MK261	Soil			12	0.32	182	0.087	2	2.42	0.016	0.12	<0.1	0.03	2.4	<0.1	0.06	7	<0.5	<0.2
BM11 MK262	Soil			13	0.31	75	0.065	2	1.63	0.021	0.06	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MK263	Soil			15	0.35	96	0.064	<1	1.70	0.022	0.06	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM11 MK264	Soil			15	0.34	99	0.087	3	1.25	0.018	0.06	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MK265	Soil			12	0.28	81	0.072	1	1.19	0.026	0.05	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MK266	Soil			11	0.24	109	0.068	1	1.28	0.017	0.07	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK267	Soil			11	0.24	108	0.067	1	1.23	0.013	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 MK268	Soil			9	0.21	77	0.072	<1	0.90	0.019	0.04	<0.1	<0.01	1.6	<0.1	<0.05	3	0.6	<0.2
BM11 MK269	Soil			13	0.33	104	0.093	1	1.32	0.024	0.07	<0.1	<0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11 MK270	Soil			32	0.75	280	0.053	<1	4.37	0.023	0.17	<0.1	0.07	11.3	<0.1	<0.05	11	1.3	<0.2
BM11 MK271	Soil			15	0.35	108	0.109	1	1.34	0.019	0.07	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MK272	Soil			14	0.31	110	0.106	1	1.42	0.021	0.07	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK273	Soil			15	0.32	137	0.085	2	1.72	0.021	0.08	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MK274	Soil			11	0.24	154	0.085	<1	1.14	0.014	0.06	<0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MK275	Soil			13	0.30	101	0.101	1	1.31	0.015	0.11	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 MK276	Soil			13	0.29	149	0.086	<1	1.58	0.017	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MK277	Soil			13	0.28	126	0.099	3	1.40	0.015	0.08	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK278	Soil			14	0.29	99	0.105	<1	1.30	0.013	0.07	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK279	Soil			14	0.27	117	0.089	<1	1.42	0.013	0.06	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK280	Soil			16	0.38	103	0.130	<1	1.42	0.017	0.07	<0.1	<0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11 MK281	Soil			13	0.23	100	0.094	<1	1.24	0.013	0.05	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MK282	Soil			12	0.24	104	0.090	<1	0.97	0.018	0.04	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MK283	Soil			14	0.37	72	0.100	<1	1.30	0.014	0.09	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MK284	Soil			7	0.16	88	0.068	<1	1.30	0.016	0.06	<0.1	0.01	2.0	<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.







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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 4 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003940.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MK285	Soil			9	0.21	92	0.094	<1	1.93	0.020	0.07	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MK286	Soil			9	0.53	76	0.145	4	2.39	0.022	0.14	0.2	0.12	6.1	<0.1	<0.05	8	<0.5	<0.2
BM11 MK287	Soil			12	0.21	99	0.093	<1	1.07	0.017	0.05	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 MK288	Soil			11	0.23	82	0.068	2	1.07	0.016	0.04	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 MK289	Soil			15	0.29	112	0.090	<1	1.52	0.020	0.05	<0.1	0.02	3.7	<0.1	<0.05	4	0.5	<0.2
BM11 MK290	Soil			11	0.22	90	0.075	<1	1.24	0.013	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11 MK291	Soil			11	0.25	95	0.070	<1	1.35	0.012	0.05	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK292	Soil			13	0.45	97	0.111	<1	1.54	0.022	0.06	<0.1	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MK293	Soil			11	0.25	112	0.079	<1	1.48	0.014	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK294	Soil			10	0.24	104	0.068	<1	1.08	0.010	0.05	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 MK295	Soil			8	0.26	151	0.104	<1	1.74	0.012	0.07	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK296	Soil			7	0.20	82	0.095	3	1.61	0.020	0.05	<0.1	0.01	1.7	<0.1	<0.05	6	0.5	<0.2
BM11 MK297	Soil			12	0.25	105	0.067	2	1.46	0.026	0.05	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK298	Soil			8	0.18	72	0.056	2	1.48	0.016	0.05	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MK299	Soil			9	0.20	76	0.072	2	1.36	0.014	0.06	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MK300	Soil			9	0.20	95	0.065	1	1.36	0.012	0.06	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11 S24	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MK301	Soil			9	0.19	123	0.061	1	1.69	0.015	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK302	Soil			18	0.49	127	0.078	2	2.66	0.025	0.09	<0.1	0.03	3.5	<0.1	<0.05	8	<0.5	<0.2
BM11 MK303	Soil			16	0.42	109	0.051	1	1.96	0.012	0.07	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 MK304	Soil			41	0.82	366	0.038	2	6.39	0.030	0.15	<0.1	0.06	11.8	0.1	<0.05	15	<0.5	<0.2
BM11 MK305	Soil			13	0.30	60	0.075	1	1.52	0.019	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MK306	Soil			11	0.28	76	0.080	<1	1.63	0.019	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MK307	Soil			14	0.33	119	0.094	1	2.05	0.017	0.10	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11 MK308	Soil			12	0.27	117	0.079	1	2.12	0.015	0.08	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11 MK309	Soil			11	0.25	115	0.097	1	1.66	0.015	0.07	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK310	Soil			11	0.40	127	0.119	2	2.49	0.017	0.09	<0.1	0.04	2.7	<0.1	<0.05	9	<0.5	<0.2
BM11 MK311	Soil			13	0.31	134	0.116	1	1.78	0.013	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11 MK312	Soil			11	0.23	105	0.087	1	1.46	0.013	0.07	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK313	Soil			10	0.22	93	0.059	1	1.80	0.011	0.06	<0.1	0.04	1.7	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003940.1

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	
BM11 MK314	Soil		0.7	12.7	5.5	71	0.1	8.6	7.2	1232	2.05	1.9	<0.5	0.8	19	0.2	0.2	<0.1	51	0.24	0.095	5
BM11 MK315	Soil		0.6	5.6	5.9	73	<0.1	5.0	4.0	777	1.79	1.2	0.7	0.8	7	0.1	<0.1	<0.1	33	0.13	0.073	10
BM11 MK316	Soil		0.6	10.3	5.6	77	<0.1	7.9	5.1	813	1.80	1.3	<0.5	0.7	28	0.1	0.1	<0.1	45	0.29	0.038	9
BM11 MK317	Soil		0.3	13.0	6.3	85	0.1	10.7	5.4	266	2.01	1.5	1.1	1.2	45	0.1	0.2	<0.1	50	0.50	0.021	14
BM11 MK318	Soil		0.6	4.6	6.8	47	<0.1	3.8	3.1	211	1.37	1.3	<0.5	0.6	30	<0.1	0.1	<0.1	35	0.16	0.049	4
BM11 MK319	Soil		0.7	24.2	5.2	52	<0.1	12.3	10.5	448	3.21	5.4	<0.5	1.2	67	<0.1	0.4	<0.1	95	0.50	0.055	9
BM11 MK320	Soil		0.6	11.1	6.1	65	<0.1	7.9	5.8	509	2.15	2.2	1.0	0.9	27	0.1	0.2	<0.1	53	0.23	0.039	5
BM11 MK321	Soil		0.8	11.3	6.8	76	<0.1	8.6	6.5	737	2.16	2.6	8.0	0.9	21	0.2	0.2	<0.1	56	0.21	0.057	5
BM11 MK322	Soil		0.9	13.8	6.9	92	<0.1	11.2	7.7	1317	2.16	2.6	<0.5	1.1	21	0.3	0.2	0.1	54	0.25	0.074	5
BM11 MK323	Soil		0.7	16.0	6.4	91	<0.1	13.4	7.9	994	2.44	2.3	<0.5	0.8	16	0.2	0.2	<0.1	64	0.28	0.060	4
BM11 MK324	Soil		0.9	10.3	6.6	78	<0.1	8.0	6.2	1351	1.99	3.2	2.6	1.0	25	0.2	0.2	0.1	47	0.25	0.096	5
BM11 MK325	Soil		1.0	14.2	7.0	100	<0.1	10.1	7.1	1216	2.14	3.3	<0.5	0.9	15	0.3	0.2	0.1	50	0.19	0.088	5
BM11 MK326	Soil		0.8	12.1	6.7	118	<0.1	10.4	6.8	1831	2.03	2.6	1.3	0.7	21	0.5	0.2	<0.1	47	0.23	0.069	5
BM11 MK327	Soil		1.4	11.2	6.7	117	0.1	9.5	7.4	1362	2.24	2.9	<0.5	0.9	19	0.3	0.2	<0.1	54	0.25	0.105	5
BM11 MK328	Soil		0.8	12.4	6.1	79	<0.1	9.5	7.6	448	2.29	2.9	0.6	1.0	24	0.2	0.2	<0.1	56	0.21	0.097	5
BM11 MK329	Soil		0.9	17.0	6.7	76	<0.1	10.6	8.7	595	2.50	3.5	<0.5	1.0	27	0.2	0.3	<0.1	59	0.30	0.086	7
BM11 MK330	Soil		0.8	13.0	6.4	58	<0.1	9.5	7.6	724	2.21	2.2	1.2	0.9	19	0.1	0.2	<0.1	58	0.21	0.047	5
BM11 MK331	Soil		0.8	19.9	6.6	63	0.1	11.9	7.6	446	2.33	2.2	<0.5	0.9	33	0.1	0.2	0.1	58	0.45	0.037	20
BM11 MK332	Soil		1.0	16.3	5.7	79	0.1	29.6	16.4	981	2.88	3.7	<0.5	0.9	37	0.2	0.2	0.1	62	0.42	0.108	8
BM11 MK333	Soil		0.7	17.5	6.9	73	<0.1	10.5	7.8	316	2.78	2.8	<0.5	1.1	30	0.1	0.3	0.1	69	0.30	0.035	6
BM11 MK334	Soil		1.1	9.3	6.1	92	<0.1	6.2	3.7	830	1.73	2.1	<0.5	0.9	29	0.2	0.1	0.1	36	0.39	0.046	10
BM11 MK335	Soil		1.3	14.2	6.1	99	<0.1	9.4	7.0	881	2.40	2.8	<0.5	1.0	32	0.1	0.3	0.1	56	0.26	0.060	5
BM11 MK336	Soil		0.6	14.3	6.8	103	<0.1	9.9	7.6	1742	2.44	2.7	<0.5	1.1	24	0.3	0.4	0.1	57	0.23	0.071	5
BM11 MK337	Soil		0.5	7.0	5.5	107	<0.1	5.4	4.3	1093	1.77	2.2	<0.5	0.7	28	0.4	0.2	0.1	42	0.34	0.035	6
BM11 MK338	Soil		0.5	15.8	5.9	78	<0.1	10.4	6.7	408	2.72	4.0	4.4	1.0	43	0.1	0.3	<0.1	64	0.34	0.051	6
BM11 MK339	Soil		0.4	7.4	5.7	47	<0.1	6.6	4.6	390	1.68	2.1	0.7	0.8	22	<0.1	0.2	<0.1	40	0.18	0.085	5
BM11 MK340	Soil		0.4	8.7	6.2	48	<0.1	7.4	4.9	223	1.68	1.3	1.4	0.8	32	<0.1	0.2	<0.1	42	0.24	0.035	7
BM11 MK341	Soil		0.6	14.9	5.1	56	<0.1	10.1	6.0	353	2.32	3.2	0.9	1.2	40	<0.1	0.3	<0.1	60	0.31	0.030	9
BM11 MK342	Soil		0.6	10.0	6.1	47	<0.1	6.8	5.5	468	1.89	2.1	1.9	0.8	36	<0.1	0.2	<0.1	47	0.26	0.031	11
BM11 MK343	Soil		0.4	7.5	5.9	63	<0.1	5.8	4.5	671	1.64	1.7	<0.5	0.8	35	<0.1	0.2	<0.1	39	0.29	0.065	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 5 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003940.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 MK314	Soil			13	0.29	81	0.061	<1	1.67	0.012	0.07	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK315	Soil			7	0.23	39	0.036	<1	1.21	0.017	0.04	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	<0.2
BM11 MK316	Soil			12	0.33	147	0.071	<1	1.65	0.018	0.07	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MK317	Soil			19	0.47	221	0.106	1	1.70	0.021	0.06	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MK318	Soil			7	0.12	115	0.078	<1	1.16	0.012	0.06	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MK319	Soil			22	0.61	114	0.133	2	1.66	0.026	0.07	<0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MK320	Soil			11	0.28	211	0.073	<1	1.78	0.013	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MK321	Soil			13	0.29	166	0.085	1	1.84	0.014	0.06	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK322	Soil			14	0.30	187	0.082	1	2.14	0.014	0.08	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
BM11 MK323	Soil			18	0.34	183	0.055	1	2.09	0.011	0.06	<0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
BM11 MK324	Soil			11	0.25	165	0.087	1	1.92	0.013	0.07	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK325	Soil			13	0.29	206	0.072	1	1.99	0.013	0.06	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MK326	Soil			12	0.28	231	0.065	<1	1.62	0.015	0.06	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
BM11 MK327	Soil			13	0.28	212	0.066	1	1.76	0.012	0.08	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK328	Soil			14	0.30	114	0.075	1	1.75	0.013	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 MK329	Soil			16	0.38	149	0.065	<1	1.95	0.013	0.08	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MK330	Soil			15	0.31	111	0.063	<1	1.60	0.012	0.06	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MK331	Soil			15	0.40	104	0.063	1	1.75	0.018	0.08	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK332	Soil			20	0.81	127	0.077	2	2.17	0.024	0.07	<0.1	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
BM11 MK333	Soil			16	0.45	141	0.074	1	2.43	0.019	0.05	<0.1	0.04	3.4	<0.1	<0.05	8	<0.5	<0.2
BM11 MK334	Soil			9	0.33	163	0.027	1	1.48	0.011	0.11	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK335	Soil			14	0.37	150	0.071	1	2.19	0.012	0.09	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 MK336	Soil			14	0.36	156	0.082	2	2.20	0.012	0.07	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 MK337	Soil			9	0.27	165	0.059	1	1.50	0.015	0.10	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK338	Soil			15	0.49	151	0.074	<1	2.05	0.014	0.09	<0.1	0.02	3.2	<0.1	<0.05	7	<0.5	<0.2
BM11 MK339	Soil			11	0.21	85	0.061	<1	1.32	0.014	0.06	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK340	Soil			11	0.25	104	0.084	2	1.45	0.015	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MK341	Soil			17	0.42	109	0.104	1	1.50	0.015	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MK342	Soil			12	0.30	102	0.078	1	1.53	0.012	0.07	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK343	Soil			11	0.23	159	0.083	<1	1.44	0.012	0.10	<0.1	0.01	2.4	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003940.1

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	0.1	2	0.01	0.001	1
BM11 MK344	Soil	0.6	12.0	6.1	62	<0.1	8.3	6.2	554	2.20	3.7	<0.5	1.0	26	<0.1	0.2	<0.1	53	0.20	0.055	6
BM11 MK345	Soil	0.5	10.7	5.9	90	<0.1	9.4	5.3	460	1.91	2.6	<0.5	1.0	32	0.1	0.2	<0.1	45	0.23	0.086	6
BM11 MK346	Soil	0.6	7.9	5.7	45	<0.1	6.6	4.7	257	1.68	1.8	<0.5	0.7	25	<0.1	0.2	<0.1	41	0.18	0.039	7
BM11 MK347	Soil	0.6	10.2	6.2	42	<0.1	6.6	5.3	441	2.05	2.0	<0.5	1.1	32	<0.1	0.3	<0.1	48	0.22	0.024	8
BM11 MK348	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.
BM11 MK349	Soil	0.4	7.4	5.6	68	<0.1	5.8	4.5	1371	1.66	2.3	1.3	0.8	28	0.2	0.2	<0.1	39	0.31	0.097	6
BM11 MK350	Soil	0.6	10.2	6.5	68	<0.1	8.9	6.2	1390	2.02	2.5	<0.5	1.1	23	0.1	0.2	<0.1	45	0.20	0.056	8
BM11 S28	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MK351	Soil	0.9	9.8	6.3	77	<0.1	8.3	5.6	912	1.80	2.8	<0.5	1.1	32	0.2	0.2	<0.1	38	0.31	0.126	6
BM11 MK352	Soil	0.6	31.1	7.1	47	0.2	11.0	6.7	1143	2.17	4.5	1.4	0.6	75	0.3	0.3	<0.1	40	0.70	0.064	79
BM11 MK353	Soil	0.6	8.8	5.9	55	<0.1	6.4	4.8	479	1.81	2.2	<0.5	0.9	35	0.2	0.2	<0.1	45	0.25	0.063	6
BM11 MK354	Soil	0.5	8.6	6.0	50	<0.1	7.8	5.1	263	2.00	3.1	<0.5	0.9	31	<0.1	0.3	<0.1	49	0.21	0.065	5
BM11 MK355	Soil	0.5	9.6	6.4	60	<0.1	8.2	5.4	655	1.87	2.4	1.1	0.8	29	0.1	0.2	<0.1	46	0.21	0.071	6
BM11 MK356	Soil	0.7	19.7	6.0	51	<0.1	9.1	6.9	462	2.67	4.6	1.1	1.4	87	0.1	0.4	<0.1	65	0.52	0.046	12
BM11 MK357	Soil	0.7	20.8	5.7	47	<0.1	9.7	6.9	427	2.58	4.7	0.9	1.4	99	<0.1	0.4	<0.1	66	0.62	0.042	14
BM11 MK358	Soil	0.5	21.1	5.5	51	<0.1	11.7	7.5	450	2.77	5.0	5.6	1.4	105	<0.1	0.4	<0.1	68	0.67	0.049	13
BM11 MK359	Soil	0.5	10.5	5.2	55	<0.1	8.9	5.9	302	2.11	2.9	<0.5	1.1	46	<0.1	0.3	<0.1	56	0.32	0.070	6
BM11 MK360	Soil	0.6	14.4	5.3	51	<0.1	10.6	6.7	307	2.46	4.5	0.8	1.1	66	<0.1	0.3	<0.1	67	0.35	0.072	6
BM11 MK361	Soil	0.7	18.8	5.8	55	<0.1	11.8	6.9	456	2.68	4.0	<0.5	1.4	98	0.1	0.4	<0.1	67	0.60	0.038	11
BM11 MK362	Soil	0.3	10.4	5.1	46	<0.1	9.4	5.4	230	1.78	1.7	0.5	0.9	49	<0.1	0.2	0.1	48	0.25	0.038	6
BM11 MK363	Soil	0.4	11.8	7.2	77	<0.1	9.4	6.1	602	1.97	2.5	<0.5	1.1	28	0.2	0.2	<0.1	40	0.33	0.083	6
BM11 MK364	Soil	0.5	12.3	7.2	78	<0.1	9.2	6.3	650	2.31	2.6	<0.5	1.1	32	0.1	0.2	<0.1	48	0.31	0.060	6
BM11 MK365	Soil	0.6	17.4	6.7	54	<0.1	10.3	7.2	439	2.86	4.0	1.7	1.5	35	<0.1	0.4	0.1	72	0.33	0.045	8
BM11 MK366	Soil	0.5	11.8	6.9	79	<0.1	9.1	6.0	524	2.19	2.5	<0.5	1.2	24	<0.1	0.2	<0.1	47	0.23	0.100	6
BM11 MK367	Soil	0.5	10.5	7.0	79	<0.1	9.6	6.2	881	2.25	2.0	<0.5	1.1	33	0.1	0.3	<0.1	51	0.29	0.065	7
BM11 MK368	Soil	0.5	13.0	4.3	52	<0.1	8.2	5.8	600	2.09	1.0	<0.5	1.1	48	<0.1	0.1	<0.1	51	0.42	0.018	14
BM11 MK369	Soil	0.6	10.9	5.3	35	<0.1	7.6	5.5	240	1.76	1.3	<0.5	0.8	53	<0.1	0.2	<0.1	48	0.33	0.014	9
BM11 MK370	Soil	0.6	11.5	6.0	47	<0.1	8.2	6.3	311	2.13	2.9	<0.5	0.7	43	<0.1	0.2	0.1	56	0.28	0.048	5
BM11 MK371	Soil	0.6	12.0	6.6	48	<0.1	8.8	6.9	468	2.08	2.7	<0.5	0.8	28	<0.1	0.3	0.1	50	0.20	0.044	5
BM11 MK372	Soil	0.6	11.9	6.2	59	<0.1	11.7	6.5	392	2.20	3.2	<0.5	1.3	26	0.1	0.2	0.1	48	0.15	0.047	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 07, 2011

**Page:** 6 of 7 Part 2

# CERTIFICATE OF ANALYSIS

VAN11003940.1

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		
BM11 MK344	Soil	13	0.31	115	0.078	1	1.82	0.014	0.06	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MK345	Soil	12	0.24	129	0.079	3	1.73	0.015	0.07	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MK346	Soil	10	0.22	91	0.061	2	1.19	0.015	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK347	Soil	12	0.29	126	0.065	<1	1.60	0.013	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
BM11 MK348	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.
BM11 MK349	Soil	9	0.21	199	0.076	2	1.62	0.020	0.08	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
BM11 MK350	Soil	11	0.29	135	0.076	1	2.35	0.015	0.07	<0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
BM11 S28	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 MK351	Soil	11	0.26	185	0.080	1	2.02	0.018	0.08	<0.1	0.02	2.6	<0.1	<0.05	8	<0.5	<0.2
BM11 MK352	Soil	15	0.44	155	0.030	1	2.78	0.014	0.10	<0.1	0.07	8.3	<0.1	<0.05	9	1.1	<0.2
BM11 MK353	Soil	11	0.24	145	0.076	1	1.35	0.016	0.07	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 MK354	Soil	11	0.23	138	0.078	1	1.35	0.012	0.08	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MK355	Soil	11	0.23	129	0.071	<1	1.55	0.013	0.07	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MK356	Soil	16	0.43	144	0.101	<1	1.21	0.023	0.12	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK357	Soil	17	0.44	141	0.114	1	1.22	0.028	0.08	<0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MK358	Soil	19	0.52	135	0.112	1	1.37	0.028	0.12	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MK359	Soil	13	0.29	110	0.106	2	1.32	0.017	0.07	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK360	Soil	18	0.35	108	0.126	2	1.26	0.016	0.09	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11 MK361	Soil	20	0.48	136	0.123	2	1.34	0.023	0.14	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK362	Soil	13	0.30	112	0.095	1	1.28	0.016	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK363	Soil	11	0.35	131	0.111	1	2.40	0.016	0.07	0.1	0.02	2.9	<0.1	<0.05	10	<0.5	<0.2
BM11 MK364	Soil	13	0.38	145	0.117	1	2.77	0.013	0.07	<0.1	0.02	3.4	<0.1	<0.05	10	<0.5	<0.2
BM11 MK365	Soil	19	0.48	88	0.122	1	1.88	0.018	0.08	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MK366	Soil	12	0.32	147	0.114	<1	2.62	0.014	0.08	<0.1	0.02	3.0	<0.1	<0.05	9	<0.5	<0.2
BM11 MK367	Soil	14	0.34	92	0.112	<1	2.42	0.012	0.09	<0.1	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
BM11 MK368	Soil	13	0.36	110	0.049	<1	1.71	0.020	0.08	<0.1	0.03	4.7	<0.1	<0.05	6	0.9	<0.2
BM11 MK369	Soil	14	0.31	98	0.081	<1	1.02	0.019	0.06	<0.1	0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
BM11 MK370	Soil	15	0.34	108	0.081	<1	1.34	0.014	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 MK371	Soil	14	0.34	112	0.063	<1	1.42	0.014	0.05	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 MK372	Soil	17	0.39	109	0.080	<1	1.92	0.014	0.06	<0.1	0.01	2.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11003940.1

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	
BM11 MK373	Soil	0.6	20.7	6.0	53	0.1	47.5	9.6	338	2.29	2.9	0.8	1.2	48	<0.1	0.2	<0.1	58	0.23	0.090	6
BM11 MK374	Soil	0.6	10.9	6.5	58	0.1	9.8	6.1	571	1.82	2.7	<0.5	0.8	44	0.1	0.1	<0.1	41	0.27	0.103	5
BM11 MK375	Soil	0.4	13.1	7.5	68	<0.1	7.9	6.0	917	2.22	2.3	<0.5	0.9	50	0.1	0.1	0.1	38	0.52	0.053	18
BM11 MK376	Soil	0.6	10.7	5.8	57	<0.1	7.6	6.1	375	1.98	2.9	<0.5	0.8	42	0.1	0.2	0.1	49	0.31	0.062	5
BM11 MK377	Soil	0.4	10.8	5.7	43	<0.1	7.1	5.6	341	1.71	1.9	<0.5	0.7	47	<0.1	0.2	<0.1	42	0.34	0.043	10
BM11 MK378	Soil	0.5	11.1	6.0	64	<0.1	8.2	6.2	478	1.89	2.5	<0.5	0.8	42	0.1	0.2	<0.1	44	0.26	0.065	7
BM11 MK379	Soil	0.9	11.9	7.7	57	0.2	6.4	5.8	760	2.29	2.8	<0.5	0.9	35	0.2	0.2	0.1	40	0.68	0.043	26
BM11 MK380	Soil	0.6	8.7	6.1	78	0.1	7.7	5.3	494	1.80	2.5	<0.5	0.9	22	0.1	0.1	0.1	42	0.16	0.109	4
BM11 MK381	Soil	0.5	7.8	6.6	63	<0.1	6.5	5.1	504	1.93	2.5	<0.5	0.8	40	<0.1	0.2	<0.1	48	0.23	0.046	5
BM11 MK382	Soil	0.6	14.4	4.5	65	<0.1	34.0	13.1	465	2.87	1.8	<0.5	1.1	55	0.1	0.1	<0.1	66	0.48	0.085	5
BM11 MK383	Soil	0.5	14.6	4.8	55	<0.1	28.2	10.2	421	2.58	1.9	<0.5	1.0	34	<0.1	0.1	<0.1	64	0.45	0.060	9
BM11 MK384	Soil	0.4	5.2	5.4	103	<0.1	5.4	2.9	1178	1.38	1.1	<0.5	0.4	11	0.3	0.1	<0.1	29	0.15	0.046	3
BM11 MK385	Soil	0.9	15.0	7.1	102	0.1	10.9	7.6	595	2.20	3.1	1.0	1.3	19	0.2	0.2	0.1	47	0.21	0.123	7
BM11 MK386	Soil	0.7	12.4	7.2	66	<0.1	10.9	7.4	808	2.24	2.9	0.9	1.1	40	0.2	0.2	0.1	47	0.19	0.065	8
BM11 MK387	Soil	0.5	7.4	6.9	54	<0.1	5.7	4.3	442	1.69	1.8	<0.5	0.7	33	<0.1	0.2	<0.1	33	0.17	0.043	8
BM11 MK388	Soil	0.3	6.6	7.3	73	0.1	4.7	4.4	873	1.49	1.1	<0.5	0.6	36	0.1	<0.1	<0.1	29	0.20	0.047	10
BM11 MK389	Soil	0.7	13.7	7.4	68	<0.1	9.4	7.0	998	2.25	3.7	<0.5	1.1	37	<0.1	0.3	0.1	53	0.26	0.051	7
BM11 MK390	Soil	0.3	5.0	5.4	105	<0.1	2.2	3.4	1439	2.31	1.1	<0.5	0.9	16	0.1	<0.1	0.1	26	0.27	0.061	19



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 7 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11003940.1

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
BM11 MK373	Soil	52	0.55	155	0.080	<1	2.16	0.016	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11 MK374	Soil	15	0.29	125	0.067	<1	1.72	0.014	0.07	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK375	Soil	11	0.46	122	0.069	<1	2.17	0.018	0.08	<0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
BM11 MK376	Soil	12	0.30	124	0.076	<1	1.39	0.017	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 MK377	Soil	12	0.29	101	0.072	<1	1.38	0.016	0.05	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 MK378	Soil	13	0.28	133	0.072	<1	1.76	0.015	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 MK379	Soil	11	0.27	118	0.032	<1	1.79	0.014	0.06	<0.1	0.06	4.6	<0.1	<0.05	6	<0.5	<0.2
BM11 MK380	Soil	11	0.21	90	0.087	<1	1.42	0.016	0.05	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11 MK381	Soil	10	0.24	125	0.101	<1	1.43	0.014	0.07	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 MK382	Soil	20	0.85	141	0.165	<1	2.55	0.024	0.06	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
BM11 MK383	Soil	19	0.55	128	0.199	<1	2.02	0.024	0.06	<0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11 MK384	Soil	6	0.11	147	0.050	<1	0.97	0.014	0.04	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11 MK385	Soil	15	0.33	156	0.073	<1	2.10	0.015	0.07	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11 MK386	Soil	16	0.40	177	0.081	<1	2.43	0.012	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 MK387	Soil	10	0.27	133	0.060	<1	1.79	0.015	0.09	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11 MK388	Soil	8	0.28	363	0.069	<1	2.05	0.013	0.11	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK389	Soil	17	0.42	144	0.085	<1	1.52	0.010	0.11	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK390	Soil	4	0.38	105	0.036	<1	1.84	0.009	0.16	<0.1	0.02	1.7	<0.1	<0.05	7	<0.5	<0.2





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** November 07, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11003940.1

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																					
BM11 MK238	Soil	0.4	8.8	6.4	92	0.3	7.8	4.6	749	1.59	3.5	0.9	1.0	25	0.2	0.3	<0.1	58	0.28	0.089	6
REP BM11 MK238	QC	0.5	8.5	6.1	91	0.3	8.0	4.6	771	1.60	2.8	0.6	0.9	25	0.2	0.2	<0.1	56	0.26	0.093	6
BM11 MK245	Soil	0.6	10.7	5.6	57	<0.1	7.5	6.6	270	1.87	2.4	3.0	1.2	25	<0.1	0.2	<0.1	68	0.26	0.051	7
REP BM11 MK245	QC	0.7	10.6	5.6	53	<0.1	6.5	6.4	282	1.82	2.7	1.7	1.1	25	<0.1	0.3	<0.1	69	0.25	0.049	7
BM11 MK271	Soil	0.5	12.3	5.8	55	<0.1	9.4	5.2	293	1.84	1.8	1.2	1.1	33	<0.1	0.2	<0.1	49	0.31	0.037	7
REP BM11 MK271	QC	0.3	11.4	5.3	52	<0.1	8.9	5.2	289	1.81	1.8	1.3	1.0	33	<0.1	0.2	<0.1	48	0.30	0.038	7
BM11 MK286	Soil	0.5	19.3	8.0	44	0.1	8.9	11.4	1224	2.66	9.2	3.1	0.6	116	0.2	0.3	<0.1	90	1.78	0.074	15
REP BM11 MK286	QC	0.7	18.7	8.3	40	0.1	7.9	11.2	1273	2.60	8.6	2.6	0.6	118	0.2	0.3	<0.1	89	1.83	0.080	16
BM11 MK301	Soil	0.4	7.4	5.8	61	<0.1	6.6	4.3	308	1.63	1.8	1.1	1.0	19	<0.1	0.1	0.2	34	0.21	0.168	4
REP BM11 MK301	QC	0.4	7.4	6.1	61	<0.1	6.7	4.4	316	1.63	1.8	<0.5	0.9	20	<0.1	0.1	0.1	34	0.21	0.174	4
BM11 MK315	Soil	0.6	5.6	5.9	73	<0.1	5.0	4.0	777	1.79	1.2	0.7	0.8	7	0.1	<0.1	<0.1	33	0.13	0.073	10
REP BM11 MK315	QC	0.6	6.0	6.0	75	<0.1	5.2	4.1	800	1.84	1.3	<0.5	0.8	7	0.1	<0.1	<0.1	33	0.14	0.075	11
BM11 MK336	Soil	0.6	14.3	6.8	103	<0.1	9.9	7.6	1742	2.44	2.7	<0.5	1.1	24	0.3	0.4	0.1	57	0.23	0.071	5
REP BM11 MK336	QC	0.6	14.0	6.8	104	<0.1	10.2	7.5	1733	2.43	2.8	0.6	1.0	24	0.3	0.4	0.1	57	0.24	0.069	5
BM11 MK353	Soil	0.6	8.8	5.9	55	<0.1	6.4	4.8	479	1.81	2.2	<0.5	0.9	35	0.2	0.2	<0.1	45	0.25	0.063	6
REP BM11 MK353	QC	0.5	8.6	5.7	54	<0.1	6.0	4.8	472	1.83	1.6	<0.5	0.9	36	0.1	0.2	<0.1	44	0.25	0.062	6
BM11 MK370	Soil	0.6	11.5	6.0	47	<0.1	8.2	6.3	311	2.13	2.9	<0.5	0.7	43	<0.1	0.2	0.1	56	0.28	0.048	5
REP BM11 MK370	QC	0.6	11.4	5.8	49	<0.1	8.8	6.1	303	2.10	2.5	1.2	0.7	44	<0.1	0.2	<0.1	56	0.29	0.050	5
BM11 MK390	Soil	0.3	5.0	5.4	105	<0.1	2.2	3.4	1439	2.31	1.1	<0.5	0.9	16	0.1	<0.1	0.1	26	0.27	0.061	19
REP BM11 MK390	QC	0.2	4.6	5.7	103	<0.1	2.4	3.3	1453	2.26	1.6	<0.5	0.8	17	0.1	<0.1	0.1	27	0.28	0.062	18
Reference Materials																					
STD DS8	Standard	12.8	101.3	125.5	291	1.8	35.9	7.0	590	2.34	23.5	118.4	6.8	66	2.6	6.0	7.2	39	0.63	0.076	14
STD DS8	Standard	13.3	108.6	128.4	304	1.9	36.7	7.6	619	2.40	25.0	107.0	7.8	77	2.1	5.9	7.2	54	0.70	0.080	18
STD DS8	Standard	13.4	109.1	121.5	305	1.8	36.6	7.2	599	2.40	24.5	109.5	7.0	74	2.3	5.6	6.9	49	0.72	0.077	16
STD DS8	Standard	12.2	97.5	115.6	294	1.8	34.9	6.9	569	2.39	23.9	111.9	6.7	70	2.3	5.7	6.1	38	0.62	0.072	16
STD DS8	Standard	12.8	103.6	118.4	292	1.8	35.2	7.2	578	2.51	24.0	97.3	6.7	69	2.3	5.0	5.8	41	0.68	0.069	15
STD DS8	Standard	13.8	111.0	124.5	311	1.8	38.9	7.7	612	2.49	23.2	103.1	6.7	64	2.2	5.5	6.2	43	0.70	0.078	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: November 07, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003940.1

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																	
BM11 MK238	Soil	10	0.22	186	0.069	1	1.32	0.021	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MK238	QC	10	0.22	183	0.064	<1	1.30	0.016	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11 MK245	Soil	8	0.29	78	0.135	<1	2.07	0.023	0.04	<0.1	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
REP BM11 MK245	QC	8	0.28	77	0.135	<1	1.98	0.024	0.04	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
BM11 MK271	Soil	15	0.35	108	0.109	1	1.34	0.019	0.07	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11 MK271	QC	14	0.33	104	0.110	<1	1.28	0.018	0.07	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
BM11 MK286	Soil	9	0.53	76	0.145	4	2.39	0.022	0.14	0.2	0.12	6.1	<0.1	<0.05	8	<0.5	<0.2
REP BM11 MK286	QC	8	0.53	81	0.135	4	2.47	0.022	0.14	0.4	0.15	6.4	<0.1	0.05	7	<0.5	<0.2
BM11 MK301	Soil	9	0.19	123	0.061	1	1.69	0.015	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
REP BM11 MK301	QC	10	0.20	122	0.058	2	1.74	0.018	0.05	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11 MK315	Soil	7	0.23	39	0.036	<1	1.21	0.017	0.04	<0.1	0.02	2.0	<0.1	<0.05	8	<0.5	<0.2
REP BM11 MK315	QC	8	0.23	40	0.039	<1	1.27	0.018	0.04	<0.1	0.02	2.1	<0.1	<0.05	8	<0.5	<0.2
BM11 MK336	Soil	14	0.36	156	0.082	2	2.20	0.012	0.07	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
REP BM11 MK336	QC	14	0.35	156	0.076	<1	2.12	0.012	0.07	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
BM11 MK353	Soil	11	0.24	145	0.076	1	1.35	0.016	0.07	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MK353	QC	11	0.23	146	0.082	<1	1.35	0.021	0.07	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 MK370	Soil	15	0.34	108	0.081	<1	1.34	0.014	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
REP BM11 MK370	QC	15	0.34	108	0.081	<1	1.31	0.013	0.07	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 MK390	Soil	4	0.38	105	0.036	<1	1.84	0.009	0.16	<0.1	0.02	1.7	<0.1	<0.05	7	<0.5	<0.2
REP BM11 MK390	QC	4	0.37	106	0.035	<1	1.85	0.009	0.17	<0.1	0.03	1.7	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	115	0.59	274	0.114	2	0.84	0.083	0.39	3.0	0.19	2.0	5.4	0.14	4	4.7	5.1
STD DS8	Standard	115	0.70	291	0.136	3	1.01	0.112	0.46	3.1	0.20	3.0	5.5	0.11	5	6.0	5.2
STD DS8	Standard	112	0.63	273	0.119	2	0.96	0.105	0.41	3.0	0.18	2.6	5.3	0.06	5	4.8	4.5
STD DS8	Standard	105	0.58	274	0.109	1	0.84	0.083	0.39	2.8	0.19	2.5	4.9	0.13	5	5.3	4.8
STD DS8	Standard	113	0.62	267	0.115	3	0.90	0.107	0.41	2.9	0.18	2.3	5.1	0.13	5	4.2	4.6
STD DS8	Standard	119	0.60	259	0.114	3	0.93	0.095	0.43	2.9	0.21	2.5	5.3	0.17	5	4.9	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 07, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11003940.1

		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
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: November 07, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11003940.1

		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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 08, 2011

Report Date: September 16, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

VAN11004032.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #1
P.O. Number
Number of Samples: 120

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, and 1DX2.

SAMPLE DISPOSAL

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

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: Steve Butrenchuk



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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004032.1

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	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
BM11-JF01	Soil		0.8	6.8	6.3	75	<0.1	7.6	3.7	751	1.43	1.4	1.0	0.6	19	0.1	0.1	0.2	33	0.28	0.120	4
BM11-JF02	Soil		0.7	7.5	6.1	107	0.1	5.6	3.2	1406	1.25	3.2	<0.5	0.6	21	0.2	0.1	0.1	27	0.39	0.171	4
BM11-JF03	Soil		0.5	7.8	6.0	86	0.2	7.8	3.8	560	1.52	1.5	0.5	0.9	16	0.2	0.1	0.1	32	0.37	0.160	5
BM11-JF04	Soil		0.6	8.0	5.2	58	<0.1	8.0	4.1	427	1.62	1.5	0.6	0.8	19	<0.1	0.1	<0.1	38	0.24	0.090	4
BM11-JF05	Soil		0.6	6.9	6.4	80	0.1	5.2	3.5	1586	1.29	1.3	<0.5	0.6	23	0.3	0.1	<0.1	31	0.49	0.118	4
BM11-JF06	Soil		1.2	9.9	8.6	122	0.1	7.1	4.9	2683	1.58	2.0	<0.5	0.7	34	0.4	0.1	0.1	31	0.48	0.208	5
BM11-JF07	Soil		0.8	4.9	6.1	95	<0.1	5.3	3.5	1288	1.26	1.2	<0.5	0.7	22	0.3	<0.1	<0.1	27	0.25	0.160	4
BM11-JF08	Soil		1.0	14.0	7.5	109	0.1	7.7	7.9	1994	2.76	5.7	0.7	0.9	48	0.4	0.3	<0.1	51	0.81	0.190	11
BM11-JF09	Soil		0.8	13.0	6.7	59	<0.1	9.2	6.6	833	2.48	2.8	0.7	1.0	29	0.1	0.3	<0.1	56	0.40	0.034	10
BM11-JF10	Soil		0.7	8.7	6.4	98	<0.1	9.9	5.7	1521	2.02	1.7	<0.5	0.7	20	0.2	0.2	0.1	44	0.32	0.067	5
BM11-JF11	Soil		0.5	5.5	4.7	61	<0.1	9.6	4.1	512	1.67	1.0	<0.5	0.6	25	<0.1	0.1	<0.1	39	0.25	0.025	5
BM11-JF12	Soil		0.7	9.5	5.9	70	<0.1	8.4	5.7	904	2.05	2.1	<0.5	0.8	22	0.1	0.2	<0.1	50	0.24	0.048	5
BM11-JF13	Soil		0.5	7.6	4.7	57	<0.1	8.3	4.6	602	1.80	1.5	2.2	0.8	26	<0.1	0.2	<0.1	44	0.27	0.032	5
BM11-JF14	Soil		0.7	6.4	5.2	61	<0.1	6.6	3.9	1116	1.51	1.3	<0.5	0.7	27	0.1	0.2	<0.1	38	0.28	0.040	4
BM11-JF15	Soil		0.6	6.6	5.0	56	<0.1	6.3	4.1	837	1.52	1.4	3.5	0.6	28	0.1	0.2	<0.1	37	0.27	0.038	4
BM11-JF16	Soil		0.6	6.2	4.7	59	<0.1	6.3	4.2	926	1.50	1.6	1.5	0.6	30	0.1	0.2	<0.1	37	0.29	0.033	4
BM11-JF17	Soil		0.6	11.4	5.1	74	<0.1	10.8	5.1	479	1.81	2.0	<0.5	1.0	18	<0.1	0.2	<0.1	42	0.19	0.085	4
BM11-JF18	Soil		0.6	11.4	5.0	73	<0.1	11.1	5.4	426	1.83	2.0	<0.5	0.9	18	<0.1	0.2	<0.1	41	0.19	0.078	5
BM11-JF19	Soil		0.6	11.4	5.2	70	0.1	11.0	5.2	420	1.79	1.9	<0.5	0.9	20	<0.1	0.2	<0.1	42	0.21	0.073	5
BM11-JF20	Soil		0.6	11.6	5.1	74	<0.1	10.9	5.1	430	1.83	1.9	<0.5	0.9	21	<0.1	0.2	<0.1	42	0.22	0.073	5
BM11-JF21	Soil		0.4	6.7	4.3	41	<0.1	6.3	3.7	396	1.49	1.1	2.8	0.6	23	<0.1	0.1	<0.1	38	0.24	0.029	5
BM11-JF22	Soil		0.4	6.9	4.5	40	<0.1	6.3	3.9	335	1.60	1.2	<0.5	0.6	23	<0.1	0.2	<0.1	40	0.26	0.025	6
BM11-JF23	Soil		0.5	6.8	4.4	43	<0.1	6.3	3.9	441	1.51	1.2	<0.5	0.6	24	<0.1	0.1	<0.1	38	0.25	0.028	6
BM11-JF24	Soil		0.5	8.1	5.4	60	<0.1	7.2	4.3	416	1.70	1.5	<0.5	0.7	26	<0.1	0.1	<0.1	40	0.32	0.044	7
BM11-JF25	Soil		0.8	11.1	5.1	38	<0.1	7.4	5.4	432	1.83	1.8	<0.5	0.7	29	<0.1	0.2	<0.1	45	0.27	0.026	10
BM11-JF26	Soil		0.8	10.4	4.9	38	<0.1	6.7	5.1	406	1.91	1.7	<0.5	0.8	41	<0.1	0.2	<0.1	45	0.28	0.026	10
BM11-JF27	Soil		0.7	9.4	4.8	37	<0.1	6.5	4.7	503	1.71	1.6	1.0	0.7	36	<0.1	0.2	<0.1	43	0.26	0.024	9
BM11-JF28	Soil		0.4	5.5	4.9	36	<0.1	4.8	3.2	173	1.24	0.6	<0.5	0.5	20	<0.1	<0.1	<0.1	30	0.20	0.019	5
BM11-JF29	Soil		0.8	13.8	5.4	68	0.2	10.2	6.1	361	2.04	2.3	<0.5	0.9	23	0.1	0.2	<0.1	47	0.23	0.055	11
BM11-JF30	Soil		0.8	8.6	5.5	53	<0.1	7.8	5.0	847	1.84	2.4	4.0	0.5	23	<0.1	0.2	<0.1	44	0.23	0.050	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 2 of 5 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004032.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-JF01	Soil			9	0.21	157	0.047	2	1.34	0.014	0.08	<0.1	0.02	1.1	<0.1	0.09	5	<0.5	<0.2
BM11-JF02	Soil			7	0.15	235	0.047	3	1.12	0.017	0.08	<0.1	0.02	1.0	<0.1	0.06	5	<0.5	<0.2
BM11-JF03	Soil			9	0.18	115	0.062	2	1.34	0.018	0.07	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JF04	Soil			11	0.22	116	0.055	1	1.58	0.014	0.07	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
BM11-JF05	Soil			8	0.15	126	0.054	3	0.97	0.014	0.12	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF06	Soil			10	0.22	270	0.049	2	1.60	0.015	0.13	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF07	Soil			8	0.12	192	0.052	1	1.08	0.014	0.07	<0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JF08	Soil			13	0.60	210	0.090	2	2.34	0.013	0.11	<0.1	0.06	4.2	<0.1	<0.05	10	<0.5	<0.2
BM11-JF09	Soil			14	0.41	109	0.099	1	1.88	0.013	0.14	<0.1	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
BM11-JF10	Soil			10	0.30	126	0.058	2	1.90	0.011	0.10	<0.1	0.04	1.6	0.1	<0.05	6	<0.5	<0.2
BM11-JF11	Soil			10	0.24	84	0.063	<1	1.34	0.016	0.08	<0.1	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JF12	Soil			12	0.25	113	0.060	1	1.66	0.013	0.08	<0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11-JF13	Soil			12	0.23	112	0.070	<1	1.51	0.010	0.08	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF14	Soil			10	0.19	117	0.068	1	1.10	0.010	0.08	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF15	Soil			10	0.19	144	0.062	<1	1.15	0.014	0.08	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF16	Soil			10	0.19	153	0.064	<1	1.10	0.013	0.07	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF17	Soil			12	0.25	157	0.064	<1	1.58	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF18	Soil			12	0.24	142	0.063	<1	1.59	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF19	Soil			12	0.25	138	0.066	<1	1.60	0.014	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JF20	Soil			12	0.24	143	0.066	<1	1.55	0.015	0.07	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JF21	Soil			11	0.20	107	0.066	<1	0.93	0.012	0.06	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF22	Soil			11	0.23	98	0.072	<1	1.04	0.014	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF23	Soil			10	0.22	106	0.066	<1	0.99	0.014	0.06	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF24	Soil			10	0.25	112	0.072	<1	1.22	0.014	0.08	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF25	Soil			12	0.29	86	0.067	<1	1.22	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF26	Soil			11	0.28	102	0.084	<1	1.17	0.015	0.10	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF27	Soil			11	0.25	97	0.076	<1	1.13	0.013	0.10	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF28	Soil			8	0.14	59	0.051	<1	1.05	0.015	0.05	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF29	Soil			13	0.27	91	0.046	<1	1.69	0.014	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JF30	Soil			10	0.24	115	0.049	<1	1.35	0.012	0.06	<0.1	0.03	1.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004032.1

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	
BM11-JF31	Soil	0.8	7.8	5.7	57	<0.1	6.7	4.4	869	1.66	2.0	5.0	0.6	27	<0.1	0.2	<0.1	38	0.38	0.072	5
BM11-JF32	Soil	0.8	8.1	5.5	57	<0.1	7.0	4.6	772	1.66	2.3	2.0	0.6	23	<0.1	0.2	<0.1	38	0.32	0.065	5
BM11-JF33	Soil	0.5	7.4	5.2	37	<0.1	5.5	3.5	480	1.42	1.4	0.7	0.6	33	<0.1	0.2	<0.1	37	0.35	0.032	13
BM11-JF34	Soil	0.5	7.4	5.3	38	<0.1	5.5	3.7	567	1.41	1.2	<0.5	0.6	32	<0.1	0.2	<0.1	35	0.38	0.028	13
BM11-JF35	Soil	0.7	7.1	5.2	45	<0.1	6.7	4.3	328	1.67	1.9	4.6	0.6	17	<0.1	0.2	<0.1	40	0.23	0.045	5
BM11-JF36	Soil	0.7	6.2	5.1	43	<0.1	6.0	4.1	434	1.51	1.9	1.2	0.5	16	<0.1	0.2	<0.1	36	0.21	0.040	5
BM11-JF37	Soil	0.8	9.3	6.6	74	0.1	8.4	5.3	1103	1.79	2.3	0.6	0.7	19	0.2	0.2	0.1	42	0.26	0.077	5
BM11-JF38	Soil	0.8	10.0	6.6	72	0.1	8.4	5.8	953	1.83	2.5	3.1	0.8	18	<0.1	0.2	<0.1	45	0.25	0.084	5
BM11-JF39	Soil	0.8	10.0	6.7	75	0.1	7.9	5.5	975	1.83	2.6	3.2	0.8	19	0.1	0.2	<0.1	43	0.26	0.078	5
BM11-JF40	Soil	0.6	13.7	5.5	48	<0.1	6.9	5.9	321	2.35	4.0	2.9	0.8	62	<0.1	0.3	<0.1	69	0.37	0.040	6
BM11-JF41	Soil	0.6	8.5	5.6	50	<0.1	6.2	5.3	397	1.96	3.3	1.8	0.6	43	0.1	0.2	<0.1	56	0.35	0.054	5
BM11-JF42	Soil	0.7	16.3	5.9	49	0.1	7.5	6.0	395	1.84	2.9	<0.5	0.7	47	0.2	0.2	<0.1	49	0.56	0.038	15
BM11-JF43	Soil	0.4	38.2	7.5	58	0.3	14.2	7.6	455	2.43	3.7	1.7	0.8	61	0.3	0.3	<0.1	50	0.83	0.048	40
BM11-JF44	Soil	0.5	33.6	8.0	52	0.3	12.5	7.6	683	2.12	3.9	1.5	0.8	68	0.3	0.3	<0.1	47	0.94	0.041	44
BM11-JF45	Soil	0.5	43.5	8.5	53	0.3	15.8	11.0	1139	3.26	6.0	1.6	1.4	69	0.2	0.3	0.1	63	0.84	0.038	48
BM11-JF46	Soil	0.5	44.7	8.0	57	0.3	16.7	10.0	912	3.10	5.2	1.6	1.1	69	0.3	0.4	0.1	57	0.94	0.042	51
BM11-JF47	Soil	1.6	18.2	10.1	68	0.2	7.6	4.2	634	1.18	2.2	1.7	0.5	93	0.5	0.3	<0.1	27	1.58	0.046	24
BM11-JF48	Soil	0.6	7.6	5.9	73	<0.1	7.2	5.4	621	1.84	2.2	<0.5	0.7	28	0.2	0.2	<0.1	48	0.32	0.064	5
BM11-JF49	Soil	0.6	7.3	6.0	68	<0.1	6.6	4.8	628	1.70	2.3	0.7	0.6	30	0.2	0.2	<0.1	45	0.38	0.060	4
BM11-JF50	Soil	0.7	34.9	7.7	48	0.2	13.9	6.9	802	2.19	3.0	2.1	0.8	89	0.2	0.4	<0.1	44	1.32	0.053	57
BM11-SO4	Rock Pulp	128.3	4375	24.4	69	2.7	39.9	21.8	387	4.57	57.2	490.6	2.0	27	0.6	3.6	0.4	134	0.34	0.096	12
BM11-JF51	Soil	0.7	22.2	8.2	56	<0.1	9.6	8.7	967	2.11	3.4	3.2	0.6	63	0.1	0.3	<0.1	49	0.80	0.065	18
BM11-JF52	Soil	1.3	23.9	6.6	53	<0.1	9.1	7.2	450	3.14	8.4	4.3	1.4	42	0.1	0.5	<0.1	74	0.37	0.042	14
BM11-JF53	Soil	0.6	63.9	7.8	67	0.5	23.3	9.6	707	3.34	4.8	2.4	1.4	83	0.4	0.4	0.1	54	1.22	0.059	70
BM11-JF54	Soil	0.7	11.6	6.1	43	<0.1	6.9	5.7	348	1.90	2.9	1.9	0.8	29	<0.1	0.2	<0.1	47	0.31	0.039	8
BM11-JF55	Soil	0.9	7.1	6.0	73	<0.1	5.3	5.1	1045	1.70	2.8	<0.5	0.6	20	<0.1	0.2	<0.1	42	0.22	0.083	5
BM11-JF56	Soil	0.7	7.2	6.1	52	<0.1	5.8	4.9	489	1.77	3.1	10.7	0.7	17	<0.1	0.1	<0.1	44	0.17	0.075	4
BM11-JF57	Soil	1.0	8.3	5.3	36	0.1	4.5	4.6	365	1.80	3.7	8.2	0.6	15	<0.1	0.2	<0.1	46	0.12	0.041	5
BM11-JF58	Soil	0.9	8.8	5.5	36	0.1	5.6	5.0	286	1.94	3.5	1.2	0.7	16	<0.1	0.2	<0.1	50	0.14	0.039	4
BM11-JF59	Soil	0.7	7.6	5.5	41	<0.1	6.2	5.1	222	1.89	2.9	<0.5	0.7	20	<0.1	0.2	<0.1	50	0.17	0.072	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 3 of 5 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004032.1

Method	Analyte	Unit	MDL	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		
				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	
BM11-JF31	Soil			10	0.21	109	0.046	<1	1.17	0.009	0.12	<0.1	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF32	Soil			10	0.22	106	0.046	<1	1.19	0.009	0.11	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF33	Soil			9	0.21	101	0.066	<1	1.03	0.015	0.08	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
BM11-JF34	Soil			9	0.22	103	0.064	<1	1.05	0.015	0.08	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
BM11-JF35	Soil			9	0.19	83	0.048	<1	1.16	0.011	0.08	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF36	Soil			9	0.18	80	0.044	<1	1.00	0.010	0.07	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF37	Soil			11	0.20	144	0.054	1	1.37	0.013	0.05	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF38	Soil			11	0.20	143	0.056	<1	1.53	0.011	0.05	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JF39	Soil			11	0.20	145	0.057	1	1.48	0.013	0.05	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JF40	Soil			14	0.30	146	0.116	1	1.19	0.015	0.11	<0.1	0.02	3.0	<0.1	<0.05	4	0.5	<0.2
BM11-JF41	Soil			12	0.24	130	0.105	1	1.10	0.011	0.11	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF42	Soil			13	0.25	124	0.071	2	1.10	0.012	0.09	<0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF43	Soil			19	0.45	196	0.048	2	2.39	0.017	0.12	0.1	0.07	6.8	<0.1	<0.05	7	<0.5	<0.2
BM11-JF44	Soil			17	0.36	197	0.045	1	1.89	0.016	0.09	0.1	0.07	6.1	<0.1	<0.05	6	0.6	<0.2
BM11-JF45	Soil			23	0.55	236	0.048	1	2.79	0.019	0.11	0.1	0.06	9.2	<0.1	<0.05	8	<0.5	<0.2
BM11-JF46	Soil			22	0.50	224	0.043	1	2.73	0.016	0.11	<0.1	0.06	9.3	<0.1	<0.05	8	<0.5	<0.2
BM11-JF47	Soil			10	0.27	174	0.035	5	1.29	0.010	0.11	0.1	0.15	3.3	<0.1	0.12	4	<0.5	<0.2
BM11-JF48	Soil			11	0.19	125	0.076	2	1.29	0.013	0.10	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
BM11-JF49	Soil			10	0.18	127	0.071	2	1.13	0.012	0.09	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF50	Soil			17	0.40	194	0.042	3	1.99	0.013	0.11	0.1	0.10	5.8	<0.1	0.06	6	<0.5	<0.2
BM11-SO4	Rock Pulp			56	0.92	52	0.117	2	1.39	0.035	0.98	5.0	0.05	9.5	0.6	2.10	6	6.8	0.8
BM11-JF51	Soil			14	0.31	188	0.058	3	1.58	0.013	0.10	<0.1	0.06	3.5	<0.1	<0.05	5	0.6	<0.2
BM11-JF52	Soil			17	0.41	176	0.080	1	1.18	0.011	0.10	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF53	Soil			29	0.66	276	0.036	2	3.91	0.012	0.13	<0.1	0.08	10.8	<0.1	<0.05	10	0.7	<0.2
BM11-JF54	Soil			11	0.23	142	0.065	1	1.05	0.011	0.07	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF55	Soil			9	0.15	161	0.042	1	1.01	0.010	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF56	Soil			10	0.17	97	0.037	<1	1.04	0.014	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF57	Soil			10	0.16	103	0.041	<1	0.91	0.010	0.05	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF58	Soil			10	0.18	107	0.043	1	1.01	0.010	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF59	Soil			11	0.18	105	0.069	1	1.16	0.010	0.07	<0.1	<0.01	1.8	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 4 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004032.1

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	
BM11-JF60	Soil		0.8	7.4	5.7	44	<0.1	5.9	5.2	236	1.87	3.0	1.0	0.7	18	<0.1	0.2	<0.1	48	0.16	0.073	4
BM11-JF61	Soil		0.6	8.4	6.0	45	<0.1	6.4	5.5	457	2.00	3.0	3.0	0.8	22	<0.1	0.2	<0.1	52	0.19	0.060	5
BM11-JF62	Soil		0.4	7.4	6.2	47	<0.1	5.7	4.8	592	1.71	2.6	1.9	0.7	20	<0.1	0.2	<0.1	48	0.19	0.060	4
BM11-JF63	Soil		0.4	7.0	5.2	37	<0.1	5.2	4.3	148	1.72	2.0	2.3	0.7	24	<0.1	0.2	<0.1	47	0.25	0.036	5
BM11-JF64	Soil		0.5	7.0	5.5	40	<0.1	5.3	4.3	184	1.69	2.2	0.9	0.7	24	<0.1	0.2	<0.1	47	0.27	0.037	5
BM11-JF65	Soil		0.5	8.2	5.7	53	<0.1	7.0	5.1	380	1.85	2.4	2.2	0.8	30	<0.1	0.1	<0.1	49	0.24	0.063	4
BM11-JF66	Soil		0.3	14.3	6.0	39	<0.1	7.4	4.8	376	1.75	1.3	<0.5	0.9	43	<0.1	0.2	<0.1	39	0.60	0.021	26
BM11-JF67	Soil		0.4	12.9	5.4	35	<0.1	7.3	4.5	304	1.78	1.4	1.2	0.9	37	<0.1	0.2	<0.1	42	0.46	0.016	16
BM11-JF68	Soil		0.5	11.3	5.6	50	<0.1	6.8	4.6	567	1.65	1.5	<0.5	0.7	32	<0.1	0.2	<0.1	40	0.43	0.027	17
BM11-JF69	Soil		0.5	7.9	5.2	44	<0.1	6.0	4.9	332	1.71	1.8	1.5	0.7	25	<0.1	0.1	<0.1	46	0.21	0.044	6
BM11-JF70	Soil		0.5	14.7	5.8	52	<0.1	9.1	7.0	529	2.35	3.0	3.3	1.1	57	0.1	0.2	<0.1	61	0.44	0.070	8
BM11-JF71	Soil		0.6	8.3	5.7	76	0.1	5.3	5.2	1091	1.78	2.9	0.8	0.7	33	0.3	0.2	<0.1	51	0.28	0.087	5
BM11-JF72	Soil		0.6	10.0	6.1	59	<0.1	6.4	5.4	670	1.86	3.9	1.1	0.8	32	<0.1	0.2	0.1	47	0.22	0.120	5
BM11-JF73	Soil		0.6	11.0	5.6	50	<0.1	6.8	5.1	333	1.84	2.2	2.0	0.9	40	<0.1	0.2	<0.1	50	0.28	0.046	11
BM11-JF74	Soil		0.5	11.7	5.2	57	<0.1	10.5	6.2	279	2.23	2.9	<0.5	1.0	49	<0.1	0.2	<0.1	58	0.28	0.108	6
BM11-JF75	Soil		0.5	11.4	5.3	60	<0.1	10.5	6.4	274	2.20	2.8	1.0	0.9	50	<0.1	0.2	<0.1	56	0.29	0.112	6
BM11-JF76	Soil		0.5	11.8	5.7	48	<0.1	7.2	6.6	426	2.13	3.3	1.3	0.9	42	<0.1	0.3	<0.1	58	0.27	0.078	6
BM11-JF77	Soil		0.6	11.2	5.7	49	<0.1	7.2	6.4	419	2.16	3.2	4.3	0.8	45	<0.1	0.3	<0.1	57	0.30	0.085	6
BM11-JF78	Soil		0.6	12.1	5.6	46	<0.1	7.0	6.4	394	2.12	3.4	3.9	0.8	43	<0.1	0.3	<0.1	55	0.29	0.077	6
BM11-JF79	Soil		0.5	18.2	5.6	49	<0.1	8.7	6.3	412	2.32	4.3	1.1	1.3	81	<0.1	0.4	<0.1	60	0.55	0.063	12
BM11-JF80	Soil		0.5	6.3	6.1	60	<0.1	5.5	4.1	885	1.41	1.0	<0.5	0.6	28	0.2	0.2	<0.1	37	0.26	0.062	4
BM11-JF81	Soil		0.6	9.9	6.9	61	<0.1	11.4	6.7	586	2.01	1.8	0.6	1.2	20	<0.1	0.2	<0.1	49	0.18	0.078	5
BM11-JF82	Soil		0.3	12.7	5.7	43	<0.1	8.5	5.7	456	1.54	1.3	<0.5	1.2	28	<0.1	0.2	<0.1	42	0.24	0.017	9
BM11-JF83	Soil		0.4	14.0	6.0	49	<0.1	10.1	5.8	367	1.74	1.2	1.3	1.4	31	<0.1	0.2	<0.1	46	0.25	0.017	9
BM11-JF84	Soil		0.4	14.2	6.0	38	<0.1	9.7	7.2	460	2.01	2.1	<0.5	1.5	47	<0.1	0.3	<0.1	55	0.34	0.019	11
BM11-JF86	Soil		0.4	7.7	5.6	47	<0.1	5.4	4.5	424	1.49	1.1	<0.5	0.7	27	<0.1	0.2	<0.1	38	0.24	0.026	8
BM11-JF87	Soil		0.6	10.2	5.7	54	<0.1	7.4	5.8	581	1.91	2.3	0.8	1.0	31	<0.1	0.2	<0.1	44	0.31	0.071	8
BM11-JF88	Soil		0.5	7.9	5.1	58	<0.1	6.4	5.4	579	2.04	2.0	<0.5	0.8	19	<0.1	0.2	<0.1	50	0.19	0.064	5
BM11-JF89	Soil		0.6	13.6	6.8	67	<0.1	9.2	6.7	1053	2.28	2.9	<0.5	1.3	18	0.2	0.3	<0.1	55	0.17	0.073	7
BM11-JF90	Soil		0.5	9.2	6.0	50	<0.1	6.5	4.5	287	1.69	1.9	<0.5	0.9	23	<0.1	0.2	<0.1	39	0.24	0.042	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 16, 2011

**Page:** 4 of 5 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004032.1

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	
BM11-JF60	Soil	10	0.18	97	0.070	1	1.24	0.010	0.07	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF61	Soil	11	0.20	123	0.070	1	1.14	0.010	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF62	Soil	10	0.18	111	0.071	1	1.01	0.009	0.07	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF63	Soil	10	0.19	108	0.078	<1	0.95	0.010	0.08	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF64	Soil	10	0.19	107	0.085	<1	1.01	0.010	0.09	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF65	Soil	11	0.20	140	0.092	1	1.29	0.011	0.09	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JF66	Soil	12	0.24	122	0.060	1	1.48	0.017	0.07	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF67	Soil	12	0.23	106	0.072	1	1.36	0.021	0.07	<0.1	0.01	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF68	Soil	12	0.23	116	0.064	1	1.27	0.015	0.07	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF69	Soil	11	0.20	104	0.083	<1	1.07	0.012	0.06	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11-JF70	Soil	16	0.35	136	0.100	2	1.36	0.015	0.09	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF71	Soil	11	0.19	128	0.087	2	1.10	0.011	0.10	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF72	Soil	10	0.21	130	0.066	<1	1.20	0.011	0.08	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF73	Soil	14	0.25	108	0.084	<1	0.96	0.012	0.07	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF74	Soil	16	0.28	113	0.087	<1	1.30	0.013	0.07	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF75	Soil	15	0.28	120	0.081	<1	1.25	0.012	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11-JF76	Soil	13	0.29	117	0.079	<1	1.01	0.011	0.08	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF77	Soil	14	0.30	124	0.081	1	1.04	0.011	0.07	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF78	Soil	13	0.28	115	0.077	1	1.02	0.017	0.07	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF79	Soil	15	0.37	138	0.100	1	1.26	0.017	0.11	<0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11-JF80	Soil	9	0.18	120	0.071	<1	1.04	0.012	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF81	Soil	14	0.29	119	0.077	<1	1.79	0.010	0.05	<0.1	0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11-JF82	Soil	14	0.30	90	0.086	<1	1.26	0.014	0.05	<0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF83	Soil	15	0.35	94	0.104	<1	1.32	0.015	0.05	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF84	Soil	17	0.40	103	0.118	<1	1.22	0.016	0.07	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF86	Soil	10	0.21	81	0.074	<1	1.10	0.014	0.05	<0.1	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF87	Soil	11	0.26	152	0.085	1	1.99	0.011	0.08	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
BM11-JF88	Soil	9	0.24	120	0.101	<1	1.65	0.013	0.05	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JF89	Soil	14	0.31	138	0.069	<1	2.14	0.009	0.07	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
BM11-JF90	Soil	10	0.22	109	0.039	1	1.15	0.011	0.06	<0.1	0.02	1.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 5 of 5 Part 1

CERTIFICATE OF ANALYSIS

VAN11004032.1

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	
BM11-JF91	Soil	0.7	32.3	8.3	45	0.2	11.8	8.5	850	2.53	3.0	1.1	2.0	49	0.1	0.3	<0.1	48	0.71	0.034	68
BM11-JF92	Soil	0.6	9.8	6.2	55	<0.1	6.4	4.6	288	1.72	1.8	1.3	1.0	24	<0.1	0.2	<0.1	40	0.25	0.044	7
BM11-JF93	Soil	0.7	9.8	8.0	138	<0.1	5.9	4.8	3123	1.19	2.4	0.6	0.5	87	0.6	0.1	0.1	23	1.00	0.214	7
BM11-JF94	Soil	0.4	6.7	5.8	68	<0.1	5.3	3.7	688	1.36	1.6	<0.5	0.9	29	<0.1	0.1	0.3	30	0.26	0.077	5
BM11-JF95	Soil	0.8	10.3	6.6	64	<0.1	6.5	5.0	1167	1.71	2.6	4.0	1.1	25	0.1	0.2	0.2	37	0.25	0.105	5
BM11-JF96	Soil	0.7	10.1	6.1	62	<0.1	6.7	4.7	854	1.66	2.4	10.0	1.0	26	0.1	0.2	0.1	37	0.26	0.097	5
BM11-JF97	Soil	0.6	10.0	5.5	51	<0.1	6.3	4.6	350	1.85	3.0	1.3	0.9	29	<0.1	0.2	<0.1	46	0.25	0.040	6
BM11-JF98	Soil	0.6	8.3	5.7	63	<0.1	6.7	4.0	434	1.56	2.1	<0.5	0.9	19	<0.1	0.2	<0.1	37	0.25	0.075	5
BM11-JF99	Soil	0.5	7.5	5.2	54	<0.1	5.6	3.8	213	1.71	2.5	10.9	0.9	34	<0.1	0.2	<0.1	43	0.20	0.059	5
BM11-JF100	Soil	0.5	7.3	5.4	59	<0.1	5.1	3.8	290	1.71	2.5	2.0	0.9	35	<0.1	0.3	<0.1	43	0.22	0.057	5
BM11-SO8	Rock Pulp	16.0	60.8	18.3	18	0.2	15.2	2.3	107	3.65	434.2	204.0	0.8	33	0.2	27.1	0.1	9	0.96	0.004	2
BM11-JF101	Soil	0.6	7.6	5.3	51	<0.1	5.7	3.8	237	1.78	3.0	1.4	1.0	35	<0.1	0.2	<0.1	45	0.22	0.053	5
BM11-JF102	Soil	0.6	7.4	5.3	50	<0.1	5.0	3.9	287	1.76	2.5	0.8	1.0	35	<0.1	0.2	<0.1	45	0.22	0.051	5
BM11-JF103	Soil	0.7	9.3	6.3	89	<0.1	7.9	4.8	617	1.71	2.3	4.2	1.1	21	0.2	0.2	0.1	42	0.21	0.081	5
BM11-JF104	Soil	0.6	10.3	6.5	84	<0.1	7.8	4.8	547	1.74	2.5	8.9	1.2	23	0.1	0.2	0.1	42	0.20	0.080	5
BM11-JF105	Soil	0.6	11.0	6.5	83	<0.1	8.3	4.9	445	1.87	2.6	32.2	1.3	24	0.1	0.2	<0.1	44	0.22	0.080	6
BM11-JF106	Soil	0.6	11.5	6.7	89	<0.1	8.0	4.9	521	1.84	2.3	<0.5	1.3	26	0.1	0.2	<0.1	44	0.23	0.082	6
BM11-JF107	Soil	0.5	11.4	6.5	87	<0.1	8.1	4.8	509	1.87	2.4	0.7	1.3	27	0.1	0.2	0.1	46	0.24	0.078	6
BM11-JF108	Soil	0.6	6.7	5.3	54	<0.1	5.9	4.2	460	1.73	2.1	<0.5	0.8	31	<0.1	0.2	<0.1	44	0.27	0.044	5
BM11-JF109	Soil	0.7	26.7	6.8	54	0.2	11.9	6.5	581	2.22	2.4	<0.5	1.7	40	<0.1	0.3	<0.1	46	0.52	0.031	45
BM11-JF110	Soil	0.6	8.8	5.8	68	<0.1	6.8	4.9	513	1.70	2.2	2.0	1.0	23	<0.1	0.2	<0.1	42	0.30	0.064	6
BM11-JF111	Soil	0.6	7.1	5.9	57	<0.1	6.6	4.1	355	1.52	1.5	<0.5	0.9	18	<0.1	0.2	<0.1	38	0.20	0.035	5
BM11-JF112	Soil	0.8	10.3	7.0	77	<0.1	7.9	5.2	1013	1.77	2.9	0.9	1.0	24	0.2	0.2	<0.1	40	0.29	0.130	6
BM11-JF113	Soil	0.6	9.9	6.3	55	<0.1	6.8	4.8	460	1.72	2.9	1.1	0.9	24	<0.1	0.3	<0.1	43	0.30	0.071	6
BM11-JF115	Soil	1.3	14.2	7.2	38	0.1	6.6	5.4	995	1.52	2.0	2.9	0.8	23	0.2	0.2	<0.1	38	0.52	0.024	23
BM11-JF116	Soil	1.4	15.7	7.7	38	0.1	7.1	5.4	949	1.52	1.8	3.0	0.9	24	0.1	0.2	<0.1	38	0.59	0.028	25
BM11-JF117	Soil	0.5	6.6	8.2	68	<0.1	5.8	4.3	461	1.54	1.5	<0.5	0.8	19	0.1	0.2	<0.1	38	0.23	0.059	4
BM11-JF118	Soil	0.6	4.7	5.4	36	<0.1	3.2	3.1	510	1.12	1.3	1.8	0.5	16	<0.1	0.1	<0.1	32	0.23	0.026	5
BM11-JF119	Soil	0.5	5.7	5.4	42	<0.1	3.1	3.1	368	1.03	1.4	5.1	0.6	14	<0.1	0.1	<0.1	31	0.18	0.018	6
BM11-JF120	Soil	0.4	6.9	6.6	43	<0.1	4.4	4.0	478	1.30	1.8	5.8	0.7	21	0.1	0.2	<0.1	39	0.24	0.039	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 5 of 5 Part 2

CERTIFICATE OF ANALYSIS

VAN11004032.1

Method	Analyte	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
BM11-JF91	Soil	17	0.50	124	0.049	<1	2.12	0.017	0.09	<0.1	0.06	8.6	<0.1	<0.05	7	<0.5	<0.2
BM11-JF92	Soil	10	0.22	106	0.043	1	1.25	0.012	0.06	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF93	Soil	6	0.15	294	0.051	3	1.36	0.013	0.07	<0.1	0.07	1.4	<0.1	0.05	5	<0.5	<0.2
BM11-JF94	Soil	5	0.18	131	0.065	2	1.42	0.014	0.07	<0.1	0.01	1.6	0.1	<0.05	6	<0.5	<0.2
BM11-JF95	Soil	10	0.20	182	0.049	<1	1.55	0.010	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF96	Soil	10	0.20	168	0.049	<1	1.55	0.011	0.07	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11-JF97	Soil	11	0.22	80	0.067	<1	1.20	0.013	0.06	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF98	Soil	9	0.18	156	0.040	2	1.36	0.013	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11-JF99	Soil	9	0.19	124	0.068	<1	0.93	0.011	0.07	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-JF100	Soil	9	0.19	131	0.074	1	0.94	0.010	0.07	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11-SO8	Rock Pulp	21	0.02	2487	0.009	<1	0.16	0.006	0.06	3.1	2.76	0.6	10.4	0.14	<1	2.1	<0.2
BM11-JF101	Soil	10	0.19	127	0.072	<1	0.96	0.011	0.07	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
BM11-JF102	Soil	10	0.19	130	0.073	<1	0.93	0.010	0.07	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
BM11-JF103	Soil	11	0.21	178	0.071	1	1.52	0.013	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	0.7	<0.2
BM11-JF104	Soil	12	0.22	175	0.070	<1	1.55	0.013	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11-JF105	Soil	12	0.24	188	0.069	<1	1.64	0.014	0.07	<0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JF106	Soil	12	0.24	189	0.074	1	1.63	0.013	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11-JF107	Soil	12	0.24	186	0.077	1	1.60	0.014	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11-JF108	Soil	11	0.20	165	0.068	<1	1.26	0.012	0.08	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11-JF109	Soil	17	0.42	173	0.056	<1	1.89	0.020	0.08	<0.1	0.04	5.6	<0.1	<0.05	6	0.6	<0.2
BM11-JF110	Soil	11	0.22	141	0.057	1	1.22	0.014	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11-JF111	Soil	10	0.20	107	0.058	1	1.19	0.017	0.05	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11-JF112	Soil	11	0.24	189	0.052	<1	1.51	0.013	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	0.6	<0.2
BM11-JF113	Soil	11	0.23	147	0.055	<1	1.13	0.011	0.08	<0.1	0.02	1.8	<0.1	0.05	4	0.6	<0.2
BM11-JF115	Soil	12	0.25	113	0.056	3	1.21	0.019	0.06	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11-JF116	Soil	11	0.25	115	0.055	2	1.25	0.020	0.07	<0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
BM11-JF117	Soil	8	0.21	129	0.060	<1	1.69	0.013	0.07	<0.1	0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
BM11-JF118	Soil	6	0.15	102	0.049	<1	0.72	0.009	0.09	<0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
BM11-JF119	Soil	6	0.14	81	0.048	1	0.73	0.011	0.06	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
BM11-JF120	Soil	10	0.18	93	0.056	2	0.89	0.011	0.07	<0.1	0.02	1.3	<0.1	<0.05	3	<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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere

Report Date: September 16, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11004032.1

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																					
BM11-JF03	Soil	0.5	7.8	6.0	86	0.2	7.8	3.8	560	1.52	1.5	0.5	0.9	16	0.2	0.1	0.1	32	0.37	0.160	5
REP BM11-JF03	QC	0.5	8.0	6.1	83	0.2	7.6	3.6	541	1.48	1.4	<0.5	0.9	16	0.2	0.1	0.1	32	0.36	0.173	5
BM11-JF36	Soil	0.7	6.2	5.1	43	<0.1	6.0	4.1	434	1.51	1.9	1.2	0.5	16	<0.1	0.2	<0.1	36	0.21	0.040	5
REP BM11-JF36	QC	0.7	6.5	5.2	42	<0.1	6.1	4.2	436	1.51	1.8	<0.5	0.5	17	<0.1	0.2	<0.1	36	0.22	0.040	5
BM11-JF45	Soil	0.5	43.5	8.5	53	0.3	15.8	11.0	1139	3.26	6.0	1.6	1.4	69	0.2	0.3	0.1	63	0.84	0.038	48
REP BM11-JF45	QC	0.7	47.3	8.4	54	0.3	15.9	11.4	1091	3.34	6.3	2.5	1.4	68	0.2	0.3	0.1	64	0.86	0.041	49
BM11-JF62	Soil	0.4	7.4	6.2	47	<0.1	5.7	4.8	592	1.71	2.6	1.9	0.7	20	<0.1	0.2	<0.1	48	0.19	0.060	4
REP BM11-JF62	QC	0.5	7.2	6.0	46	<0.1	5.6	4.7	580	1.68	2.8	0.6	0.7	20	<0.1	0.2	<0.1	46	0.19	0.059	4
BM11-JF79	Soil	0.5	18.2	5.6	49	<0.1	8.7	6.3	412	2.32	4.3	1.1	1.3	81	<0.1	0.4	<0.1	60	0.55	0.063	12
REP BM11-JF79	QC	0.5	18.5	5.8	48	<0.1	9.4	6.6	411	2.33	4.1	0.9	1.3	83	<0.1	0.4	<0.1	60	0.57	0.062	12
BM11-JF88	Soil	0.5	7.9	5.1	58	<0.1	6.4	5.4	579	2.04	2.0	<0.5	0.8	19	<0.1	0.2	<0.1	50	0.19	0.064	5
REP BM11-JF88	QC	0.5	7.8	5.2	57	<0.1	5.9	5.2	575	1.92	2.0	<0.5	0.8	19	<0.1	0.2	<0.1	48	0.19	0.063	4
BM11-JF106	Soil	0.6	11.5	6.7	89	<0.1	8.0	4.9	521	1.84	2.3	<0.5	1.3	26	0.1	0.2	<0.1	44	0.23	0.082	6
REP BM11-JF106	QC	0.6	11.3	6.7	89	<0.1	8.3	5.1	526	1.86	2.6	1.4	1.3	27	0.1	0.2	<0.1	45	0.24	0.083	5
Reference Materials																					
STD DS8	Standard	12.6	111.7	124.5	321	1.8	38.7	7.8	618	2.47	25.1	116.5	7.2	66	2.2	5.8	5.9	42	0.66	0.082	15
STD DS8	Standard	12.9	106.4	123.3	307	1.7	36.7	7.5	594	2.40	24.2	116.6	6.9	66	2.3	5.7	6.6	41	0.67	0.078	16
STD DS8	Standard	12.6	109.1	126.1	302	1.8	38.0	7.5	581	2.42	23.9	99.9	6.7	59	2.3	5.1	5.9	42	0.63	0.079	13
STD DS8	Standard	13.5	110.6	127.9	320	1.9	39.2	7.8	632	2.58	25.5	116.9	6.7	63	2.3	5.3	6.7	44	0.72	0.083	15
STD DS8	Standard	14.3	97.9	117.1	298	1.8	38.8	6.8	613	2.40	21.5	113.0	6.1	68	2.0	4.9	5.5	41	0.71	0.070	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 16, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004032.1

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																	
BM11-JF03	Soil	9	0.18	115	0.062	2	1.34	0.018	0.07	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JF03	QC	9	0.19	117	0.060	2	1.37	0.018	0.07	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11-JF36	Soil	9	0.18	80	0.044	<1	1.00	0.010	0.07	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF36	QC	9	0.18	84	0.047	<1	1.06	0.011	0.07	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
BM11-JF45	Soil	23	0.55	236	0.048	1	2.79	0.019	0.11	0.1	0.06	9.2	<0.1	<0.05	8	<0.5	<0.2
REP BM11-JF45	QC	24	0.53	245	0.053	2	2.83	0.019	0.11	<0.1	0.05	9.7	<0.1	<0.05	8	0.6	<0.2
BM11-JF62	Soil	10	0.18	111	0.071	1	1.01	0.009	0.07	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF62	QC	10	0.17	111	0.068	<1	0.96	0.009	0.07	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
BM11-JF79	Soil	15	0.37	138	0.100	1	1.26	0.017	0.11	<0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
REP BM11-JF79	QC	15	0.37	136	0.099	1	1.22	0.016	0.11	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM11-JF88	Soil	9	0.24	120	0.101	<1	1.65	0.013	0.05	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
REP BM11-JF88	QC	9	0.23	113	0.097	2	1.63	0.010	0.05	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
BM11-JF106	Soil	12	0.24	189	0.074	1	1.63	0.013	0.07	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
REP BM11-JF106	QC	13	0.24	192	0.077	<1	1.68	0.014	0.07	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	118	0.61	276	0.114	3	0.93	0.092	0.42	3.0	0.18	2.0	5.5	0.18	5	5.2	5.1
STD DS8	Standard	114	0.60	273	0.120	3	0.87	0.089	0.40	2.9	0.21	2.1	5.4	0.16	5	5.4	4.9
STD DS8	Standard	116	0.56	275	0.110	2	0.85	0.084	0.40	2.8	0.20	1.9	5.3	0.07	4	4.1	5.0
STD DS8	Standard	122	0.63	280	0.118	3	0.95	0.088	0.44	2.9	0.20	2.4	5.7	0.19	5	5.0	4.8
STD DS8	Standard	130	0.61	271	0.124	2	0.92	0.087	0.41	3.0	0.20	1.8	5.5	0.20	5	4.9	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 22, 2011

Report Date: September 28, 2011

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

VAN11004108.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #3  
P.O. Number  
Number of Samples: 179

### SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	179	Dry at 60C			VAN
SS80	175	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	175	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

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		
				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	
MK391	Soil			0.4	3.6	3.5	77	<0.1	2.1	2.7	963	1.76	1.0	<0.5	0.3	24	<0.1	<0.1	<0.1	29	0.23	0.045	7
MK392	Soil			0.7	8.5	6.1	56	<0.1	6.1	5.3	237	1.96	2.7	0.9	0.6	17	<0.1	0.2	<0.1	47	0.18	0.122	4
MK393	Soil			0.6	6.9	5.0	54	0.1	4.8	4.9	485	1.78	2.1	<0.5	0.6	24	<0.1	0.2	<0.1	42	0.21	0.063	5
MK394	Soil			0.6	7.6	5.3	51	<0.1	5.7	5.0	502	1.82	2.5	2.6	0.7	34	<0.1	0.2	<0.1	48	0.20	0.050	4
MK395	Soil			0.9	10.5	6.2	57	<0.1	7.3	5.9	638	1.96	2.9	<0.5	0.9	27	0.1	0.2	<0.1	48	0.20	0.085	6
MK396	Soil			0.7	9.4	5.3	54	<0.1	7.7	5.9	606	2.04	2.3	1.3	0.9	56	<0.1	0.2	0.2	52	0.29	0.079	5
MK397	Soil			0.7	10.8	4.9	58	0.1	10.1	6.7	209	2.20	2.7	1.0	0.7	34	<0.1	0.2	<0.1	55	0.26	0.086	5
MK398	Soil			0.7	9.1	5.5	52	<0.1	7.8	5.6	367	1.90	2.6	4.0	0.7	29	<0.1	0.2	<0.1	48	0.22	0.063	5
MK399	Soil			0.6	6.6	4.9	54	<0.1	5.7	4.7	388	1.61	1.3	<0.5	0.7	29	<0.1	0.2	<0.1	47	0.21	0.039	4
MK400	Soil			0.5	8.6	5.0	50	<0.1	5.7	4.7	451	1.86	1.9	1.8	0.7	48	<0.1	0.2	<0.1	55	0.28	0.039	5
MK401	Soil			0.8	29.6	11.8	92	<0.1	9.9	11.1	2639	3.04	3.1	<0.5	1.6	45	0.3	0.2	0.1	89	0.68	0.096	15
MK402	Soil			0.4	26.7	9.7	75	<0.1	7.5	8.9	1866	2.43	2.7	<0.5	1.3	67	0.3	<0.1	<0.1	74	0.87	0.198	9
MK403	Soil			0.3	17.3	4.4	46	<0.1	6.1	6.4	430	2.08	1.1	<0.5	1.2	35	<0.1	<0.1	<0.1	61	0.30	0.081	5
MK404	Soil			0.5	15.6	5.1	48	<0.1	6.1	6.6	556	2.08	1.7	<0.5	1.2	108	<0.1	<0.1	<0.1	68	0.44	0.089	6
MK405	Soil			0.7	14.4	5.6	56	<0.1	9.6	7.6	356	2.45	3.2	<0.5	1.1	34	<0.1	0.3	0.1	65	0.36	0.034	6
MK406	Soil			0.4	11.0	5.7	60	<0.1	8.9	6.1	376	1.92	1.6	0.8	0.8	34	<0.1	0.2	<0.1	47	0.38	0.027	6
MK407	Soil			0.5	7.7	5.1	51	<0.1	7.5	4.7	428	1.86	1.0	<0.5	0.7	31	<0.1	0.2	0.1	47	0.32	0.017	6
MK408	Soil			0.4	12.8	5.5	43	<0.1	8.1	5.5	504	1.79	2.0	<0.5	0.9	39	<0.1	0.2	<0.1	49	0.52	0.022	17
MK409	Soil			0.5	13.8	6.3	62	<0.1	9.5	6.5	526	2.28	2.5	<0.5	1.1	33	<0.1	0.2	<0.1	58	0.35	0.044	11
MK410	Soil			0.6	11.4	6.3	70	<0.1	9.4	6.3	737	1.93	2.1	<0.5	0.9	36	<0.1	0.2	<0.1	47	0.40	0.111	6
MK411	Soil			0.6	10.8	6.0	61	<0.1	9.0	6.7	405	2.16	1.7	<0.5	1.0	29	<0.1	0.2	<0.1	55	0.25	0.061	6
MK412	Soil			0.3	8.3	5.4	58	<0.1	6.7	4.1	424	1.52	0.6	6.6	0.8	30	0.1	0.2	<0.1	41	0.31	0.028	6
MK413	Soil			0.6	20.7	5.1	46	<0.1	11.0	7.3	381	2.53	3.6	<0.5	1.2	78	<0.1	0.4	<0.1	71	0.54	0.069	12
MK414	Soil			0.6	14.9	6.0	62	<0.1	9.1	7.1	736	2.29	2.7	0.8	1.0	68	0.1	0.3	<0.1	62	0.56	0.084	9
MK415	Soil			0.6	21.4	6.2	53	<0.1	11.3	8.6	453	2.79	4.7	1.1	1.2	71	<0.1	0.4	<0.1	70	0.51	0.099	11
MK416	Soil			0.5	9.5	5.5	48	<0.1	6.2	5.6	392	1.99	3.0	0.5	0.8	39	<0.1	0.3	<0.1	57	0.28	0.079	5
MK417	Soil			0.5	12.2	5.0	44	<0.1	7.1	6.0	371	2.33	3.2	<0.5	1.0	58	<0.1	0.3	<0.1	65	0.33	0.053	6
MK418	Soil			0.5	13.5	5.2	40	<0.1	7.0	6.0	361	2.27	3.3	7.7	1.0	60	<0.1	0.3	<0.1	63	0.37	0.029	8
MK419	Soil			0.5	8.6	6.0	77	<0.1	7.9	5.3	812	1.67	2.7	<0.5	1.0	22	0.2	0.1	<0.1	39	0.21	0.131	5
MK420	Soil			0.6	15.5	5.0	55	<0.1	10.9	6.5	305	2.40	3.6	0.5	1.0	35	<0.1	0.3	<0.1	69	0.29	0.050	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 2 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK391	Soil	4	0.26	119	0.043	<1	1.31	0.012	0.11	<0.1	0.02	1.2	<0.1	<0.05	6	<0.5	<0.2
MK392	Soil	11	0.22	83	0.060	1	1.45	0.013	0.06	<0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
MK393	Soil	9	0.20	129	0.075	<1	1.29	0.013	0.07	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
MK394	Soil	10	0.22	137	0.086	<1	1.33	0.013	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
MK395	Soil	11	0.25	133	0.076	<1	1.84	0.013	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
MK396	Soil	10	0.28	142	0.099	<1	1.70	0.015	0.08	0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
MK397	Soil	14	0.27	139	0.096	1	1.73	0.017	0.08	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
MK398	Soil	11	0.22	100	0.090	<1	1.45	0.013	0.06	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
MK399	Soil	10	0.19	105	0.093	1	1.20	0.012	0.06	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MK400	Soil	11	0.21	125	0.115	<1	1.09	0.014	0.10	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
MK401	Soil	13	0.54	166	0.204	4	2.90	0.012	0.09	<0.1	0.04	5.8	<0.1	<0.05	10	<0.5	<0.2
MK402	Soil	9	0.47	201	0.173	3	2.46	0.013	0.13	<0.1	0.03	3.7	<0.1	<0.05	9	<0.5	<0.2
MK403	Soil	8	0.37	64	0.176	1	2.07	0.020	0.05	<0.1	0.01	2.5	<0.1	<0.05	8	<0.5	<0.2
MK404	Soil	8	0.28	78	0.194	3	1.99	0.020	0.12	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
MK405	Soil	16	0.41	108	0.115	1	1.44	0.018	0.07	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
MK406	Soil	13	0.35	94	0.110	1	1.54	0.019	0.06	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
MK407	Soil	13	0.25	100	0.119	<1	1.25	0.014	0.08	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
MK408	Soil	13	0.28	97	0.103	<1	1.39	0.015	0.07	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
MK409	Soil	16	0.36	111	0.108	<1	1.77	0.018	0.11	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
MK410	Soil	14	0.27	165	0.085	<1	1.82	0.012	0.11	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
MK411	Soil	14	0.29	113	0.089	<1	1.34	0.013	0.07	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
MK412	Soil	12	0.23	80	0.097	1	1.15	0.017	0.07	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
MK413	Soil	18	0.45	121	0.120	1	1.18	0.020	0.11	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
MK414	Soil	16	0.36	168	0.107	2	1.10	0.016	0.12	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
MK415	Soil	17	0.48	136	0.087	1	1.47	0.019	0.09	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
MK416	Soil	12	0.23	105	0.076	<1	0.99	0.012	0.06	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
MK417	Soil	13	0.28	130	0.110	1	0.96	0.016	0.11	<0.1	0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
MK418	Soil	14	0.30	123	0.105	<1	0.90	0.017	0.11	<0.1	<0.01	3.3	<0.1	<0.05	3	<0.5	<0.2
MK419	Soil	10	0.18	129	0.074	<1	1.43	0.014	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
MK420	Soil	18	0.39	140	0.098	<1	1.39	0.014	0.09	<0.1	0.01	2.5	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La 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	
MK421	Soil	0.6	12.7	6.7	49	<0.1	8.0	6.5	596	1.92	2.2	<0.5	0.9	32	<0.1	0.2	<0.1	54	0.35	0.026	11
MK422	Soil	0.5	8.2	6.3	68	<0.1	6.7	5.4	811	1.69	1.8	<0.5	0.7	31	<0.1	0.2	<0.1	43	0.25	0.069	5
MK423	Soil	0.3	7.9	5.0	49	<0.1	5.8	4.2	573	1.48	1.8	<0.5	0.6	25	<0.1	0.1	<0.1	41	0.20	0.045	6
MK424	Soil	0.4	7.3	6.6	64	<0.1	7.5	4.5	661	1.57	2.4	<0.5	0.8	20	<0.1	0.1	0.1	40	0.19	0.098	4
MK425	Soil	0.5	9.1	5.3	39	<0.1	5.8	5.0	309	1.94	2.7	<0.5	0.7	39	<0.1	0.3	<0.1	59	0.25	0.026	5
MK426	Soil	0.3	7.8	5.4	41	<0.1	6.2	4.5	341	1.78	2.1	<0.5	0.8	30	<0.1	0.2	<0.1	51	0.24	0.031	5
MK427	Soil	0.3	6.6	5.6	34	<0.1	5.1	3.7	237	1.42	1.2	0.5	0.6	25	<0.1	0.2	<0.1	40	0.19	0.031	4
MK428	Soil	0.4	4.9	5.3	26	<0.1	3.9	3.2	122	1.24	1.3	<0.5	0.5	19	<0.1	0.1	<0.1	34	0.15	0.023	4
MK429	Soil	0.5	19.6	5.8	42	0.2	8.0	5.7	805	1.87	2.5	<0.5	1.1	44	<0.1	0.2	<0.1	49	0.39	0.024	25
MK430	Soil	0.4	7.4	5.5	50	<0.1	4.7	4.3	561	1.61	1.3	<0.5	0.7	36	0.1	0.2	<0.1	44	0.26	0.034	5
MK431	Soil	0.4	7.0	5.0	53	<0.1	5.2	4.2	1065	1.45	1.1	<0.5	0.6	69	0.1	0.1	<0.1	39	0.37	0.052	4
MK432	Soil	0.5	9.0	5.9	53	<0.1	6.6	5.5	669	1.68	1.7	<0.5	0.7	31	<0.1	0.2	<0.1	46	0.30	0.046	8
MK433	Soil	0.5	10.8	6.1	56	<0.1	7.5	5.2	737	1.69	2.0	1.1	0.9	30	<0.1	0.2	0.1	40	0.30	0.112	5
MK434	Soil	0.2	5.4	5.8	68	0.1	3.8	3.3	356	1.90	1.1	<0.5	0.6	172	<0.1	<0.1	0.1	31	0.30	0.058	10
MK435	Soil	0.6	12.3	6.8	65	<0.1	9.8	6.2	713	2.10	2.7	<0.5	1.1	35	0.1	0.2	0.1	56	0.31	0.084	6
BM11S-31	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK436	Soil	0.6	17.5	7.2	58	<0.1	11.8	7.2	556	2.67	4.0	<0.5	1.3	26	0.1	0.3	0.1	73	0.19	0.052	8
MK437	Soil	0.3	10.4	7.0	82	<0.1	6.3	4.9	839	2.33	2.3	<0.5	0.9	17	0.2	0.1	0.1	38	0.29	0.065	15
MK438	Soil	0.4	8.3	7.0	89	<0.1	7.0	4.7	1011	1.85	1.9	<0.5	0.8	41	0.2	0.1	0.1	41	0.42	0.055	10
MK439	Soil	0.8	12.8	7.0	75	<0.1	11.1	6.8	872	2.19	2.5	<0.5	1.1	34	0.1	0.2	0.1	59	0.30	0.068	7
MK440	Soil	0.6	14.7	6.9	61	<0.1	10.4	6.8	582	2.23	2.9	<0.5	1.0	33	<0.1	0.2	0.1	60	0.34	0.076	6
MK441	Soil	0.5	20.7	5.9	55	0.1	11.6	6.9	440	2.19	2.7	<0.5	1.0	68	0.1	0.2	0.1	60	0.67	0.036	18
MK442	Soil	0.7	14.9	5.6	52	<0.1	10.3	6.3	312	2.59	4.3	<0.5	1.2	78	<0.1	0.4	<0.1	77	0.40	0.040	7
MK443	Soil	0.5	9.2	5.9	48	<0.1	8.0	5.1	405	1.91	2.3	<0.5	0.8	37	<0.1	0.2	<0.1	55	0.25	0.046	5
MK444	Soil	0.7	10.5	6.2	65	<0.1	8.4	5.9	369	2.05	2.1	<0.5	1.0	28	<0.1	0.2	<0.1	53	0.22	0.062	5
MK445	Soil	0.6	7.8	5.8	38	<0.1	5.2	4.0	531	1.61	2.1	20.6	0.8	22	<0.1	0.2	<0.1	43	0.29	0.033	10
MK446	Soil	0.8	10.3	6.0	54	<0.1	8.5	5.9	399	2.11	2.9	<0.5	0.8	23	<0.1	0.3	<0.1	56	0.24	0.061	4
MK447	Soil	0.6	12.4	5.6	58	<0.1	7.7	5.6	369	2.05	1.8	1.6	0.8	28	<0.1	0.2	<0.1	55	0.26	0.032	8
MK448	Soil	0.8	11.7	6.5	56	<0.1	8.5	6.5	491	2.08	2.4	<0.5	0.9	25	0.1	0.3	0.1	54	0.26	0.091	6
MK449	Soil	0.7	20.1	6.9	56	<0.1	13.9	9.0	782	2.37	4.1	<0.5	1.1	67	<0.1	0.3	<0.1	70	0.47	0.048	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 3 of 7 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK421	Soil	14	0.28	91	0.082	1	1.37	0.016	0.10	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MK422	Soil	11	0.23	118	0.076	<1	1.26	0.012	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
MK423	Soil	10	0.18	91	0.073	<1	1.06	0.013	0.06	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
MK424	Soil	10	0.17	140	0.074	1	1.41	0.016	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
MK425	Soil	11	0.23	113	0.087	<1	0.93	0.011	0.07	<0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
MK426	Soil	11	0.21	123	0.092	1	1.09	0.013	0.07	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
MK427	Soil	9	0.18	89	0.066	<1	0.89	0.011	0.05	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
MK428	Soil	8	0.13	68	0.063	<1	0.76	0.015	0.04	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
MK429	Soil	14	0.34	63	0.069	<1	1.54	0.019	0.06	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
MK430	Soil	9	0.19	108	0.102	1	1.09	0.011	0.07	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
MK431	Soil	8	0.19	75	0.095	<1	1.63	0.013	0.10	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
MK432	Soil	11	0.22	109	0.060	<1	1.18	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
MK433	Soil	9	0.21	105	0.076	<1	1.59	0.015	0.07	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
MK434	Soil	5	0.35	107	0.122	<1	2.18	0.033	0.07	<0.1	0.04	2.3	<0.1	<0.05	8	<0.5	<0.2
MK435	Soil	16	0.26	143	0.091	<1	1.89	0.018	0.08	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11S-31	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK436	Soil	22	0.41	104	0.088	1	2.37	0.010	0.06	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
MK437	Soil	10	0.41	80	0.026	<1	2.26	0.012	0.06	<0.1	0.03	2.7	<0.1	<0.05	10	<0.5	<0.2
MK438	Soil	10	0.31	136	0.085	<1	1.56	0.018	0.12	0.1	0.03	2.3	<0.1	<0.05	7	<0.5	<0.2
MK439	Soil	18	0.34	118	0.093	<1	1.98	0.011	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
MK440	Soil	17	0.35	119	0.093	2	1.96	0.014	0.08	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
MK441	Soil	19	0.38	155	0.093	3	1.86	0.022	0.07	<0.1	0.04	4.5	<0.1	<0.05	6	<0.5	<0.2
MK442	Soil	23	0.39	105	0.134	<1	1.50	0.026	0.11	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
MK443	Soil	15	0.26	72	0.094	2	1.40	0.012	0.09	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
MK444	Soil	15	0.27	104	0.086	1	1.62	0.014	0.09	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
MK445	Soil	11	0.18	125	0.068	<1	1.00	0.021	0.05	<0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
MK446	Soil	12	0.27	107	0.058	<1	1.41	0.015	0.09	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
MK447	Soil	14	0.30	84	0.071	<1	1.24	0.016	0.06	<0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
MK448	Soil	14	0.28	109	0.052	<1	1.61	0.014	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
MK449	Soil	21	0.52	144	0.105	<1	1.60	0.021	0.07	0.1	0.03	4.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 4 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK450	Soil		0.6	20.5	6.5	47	<0.1	15.2	7.9	477	2.70	4.6	<0.5	1.6	85	<0.1	0.3	<0.1	75	0.52	0.057	13
MK451	Soil		0.5	17.7	5.5	48	<0.1	11.7	7.5	350	2.35	2.5	<0.5	1.1	40	<0.1	0.3	<0.1	68	0.35	0.022	10
MK452	Soil		0.5	14.7	7.2	58	<0.1	11.2	6.5	463	2.07	1.9	<0.5	1.0	37	0.1	0.2	0.1	60	0.26	0.036	7
MK453	Soil		0.6	13.1	6.0	65	<0.1	8.8	6.4	439	2.40	2.4	<0.5	1.1	38	<0.1	0.3	0.1	67	0.37	0.036	8
MK454	Soil		0.5	20.6	6.1	68	0.1	12.5	7.0	931	2.21	2.6	<0.5	1.3	49	0.1	0.2	<0.1	58	0.48	0.048	20
MK455	Soil		0.4	15.2	5.5	45	<0.1	10.1	5.4	504	1.89	2.2	<0.5	0.9	37	<0.1	0.2	<0.1	55	0.35	0.032	11
MK456	Soil		0.5	18.2	5.4	49	<0.1	12.0	5.6	561	2.01	2.1	2.0	1.1	41	<0.1	0.2	<0.1	55	0.36	0.032	13
MK457	Soil		1.5	14.7	6.1	44	<0.1	9.1	6.1	352	2.31	3.5	<0.5	1.0	34	<0.1	0.4	0.1	63	0.29	0.070	6
MK458	Soil		0.6	19.5	6.7	57	<0.1	18.3	9.5	452	2.45	2.9	<0.5	1.4	66	<0.1	0.3	<0.1	68	0.43	0.061	10
MK459	Soil		0.7	18.6	6.4	57	<0.1	15.5	8.6	505	2.62	4.1	10.1	1.4	61	<0.1	0.3	<0.1	71	0.38	0.060	9
MK460	Soil		0.8	20.3	6.7	57	<0.1	13.8	8.9	568	2.78	4.8	3.8	1.5	59	<0.1	0.4	<0.1	82	0.37	0.036	8
MK461	Soil		0.7	12.7	6.9	59	<0.1	10.5	6.9	824	1.79	2.1	<0.5	1.0	36	<0.1	0.2	<0.1	53	0.27	0.056	7
MK462	Soil		0.5	10.9	6.4	48	<0.1	9.2	5.5	268	1.81	2.2	0.7	0.8	42	<0.1	0.2	<0.1	53	0.27	0.036	9
MK463	Soil		0.6	9.9	6.0	59	<0.1	7.2	5.1	478	1.77	1.9	0.5	0.9	34	<0.1	0.2	<0.1	50	0.23	0.039	7
MK464	Soil		0.5	10.2	5.5	48	<0.1	8.9	5.2	328	1.79	1.9	<0.5	0.9	42	<0.1	0.2	<0.1	52	0.25	0.035	6
MK465	Soil		0.4	12.7	6.6	47	<0.1	11.7	5.9	343	1.81	2.0	3.9	1.1	57	<0.1	0.2	<0.1	54	0.31	0.021	11
MK466	Soil		0.4	11.5	6.0	46	<0.1	10.9	5.3	228	1.90	2.0	<0.5	1.0	52	<0.1	0.2	<0.1	55	0.30	0.021	8
MK467	Soil		0.5	10.8	6.1	61	<0.1	16.5	7.5	347	2.21	2.6	<0.5	1.1	46	<0.1	0.2	<0.1	60	0.26	0.070	5
MK468	Soil		0.6	11.7	5.9	69	<0.1	14.9	7.0	339	2.28	2.9	<0.5	1.1	48	<0.1	0.2	<0.1	66	0.27	0.067	5
MK469	Soil		0.5	12.2	6.5	62	<0.1	13.8	6.6	332	2.14	2.6	<0.5	1.2	33	0.1	0.2	0.1	54	0.28	0.100	5
MK470	Soil		0.5	7.6	4.8	44	<0.1	5.3	3.6	324	1.28	1.7	2.3	0.5	18	<0.1	0.2	0.1	32	0.23	0.042	7
MK471	Soil		0.5	7.7	5.2	58	0.1	6.2	4.7	378	1.50	2.8	1.3	0.8	28	0.1	0.1	0.1	35	0.32	0.158	9
MK472	Soil		0.6	11.0	5.8	63	<0.1	12.1	5.3	746	1.73	2.8	1.5	0.9	19	0.1	0.2	0.1	41	0.21	0.107	6
MK473	Soil		0.4	6.4	5.6	64	<0.1	7.1	3.9	790	1.31	1.5	13.1	0.7	16	0.1	0.1	<0.1	32	0.17	0.064	4
MK474	Soil		0.4	7.6	5.2	49	<0.1	6.8	4.6	321	1.65	1.9	2.0	0.8	21	<0.1	0.2	<0.1	43	0.19	0.052	4
MK475	Soil		0.5	7.2	5.7	42	<0.1	6.4	4.6	576	1.53	1.5	2.8	0.9	19	<0.1	0.1	<0.1	35	0.18	0.047	5
MK476	Soil		0.3	5.8	4.5	50	<0.1	6.6	3.5	288	1.15	1.6	2.4	0.9	39	<0.1	<0.1	<0.1	26	0.25	0.091	4
MK477	Soil		0.5	8.6	5.5	67	<0.1	7.2	4.9	463	1.74	2.1	1.3	0.8	25	<0.1	0.2	<0.1	44	0.28	0.066	6
MK478	Soil		0.4	7.4	5.4	32	<0.1	4.9	3.7	311	1.55	1.5	1.7	0.9	22	<0.1	0.2	<0.1	41	0.26	0.020	9
MK479	Soil		0.5	25.9	6.8	42	0.3	9.2	6.2	1198	1.76	1.5	2.1	1.2	36	0.2	0.2	<0.1	34	0.54	0.053	64

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 4 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK450	Soil	23	0.59	161	0.137	1	1.70	0.028	0.09	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
MK451	Soil	22	0.46	103	0.098	1	1.59	0.016	0.06	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MK452	Soil	18	0.36	119	0.106	<1	1.54	0.018	0.06	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
MK453	Soil	17	0.36	108	0.116	<1	1.32	0.014	0.07	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
MK454	Soil	20	0.44	138	0.088	<1	1.99	0.021	0.09	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
MK455	Soil	15	0.34	96	0.088	<1	1.42	0.019	0.06	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
MK456	Soil	17	0.39	102	0.084	<1	1.78	0.021	0.06	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
MK457	Soil	16	0.34	101	0.092	<1	1.38	0.018	0.07	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
MK458	Soil	21	0.62	152	0.120	<1	2.07	0.022	0.08	<0.1	0.04	3.8	<0.1	<0.05	6	<0.5	<0.2
MK459	Soil	20	0.48	145	0.117	<1	1.86	0.016	0.09	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
MK460	Soil	22	0.50	143	0.125	<1	1.76	0.022	0.09	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
MK461	Soil	14	0.33	119	0.080	<1	1.68	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
MK462	Soil	15	0.27	91	0.092	<1	1.36	0.014	0.06	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
MK463	Soil	13	0.26	95	0.085	<1	1.18	0.016	0.06	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
MK464	Soil	15	0.30	96	0.095	<1	1.25	0.015	0.06	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
MK465	Soil	18	0.36	105	0.111	<1	1.48	0.023	0.06	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
MK466	Soil	18	0.37	96	0.111	<1	1.39	0.019	0.06	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
MK467	Soil	19	0.36	116	0.110	<1	1.98	0.016	0.10	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MK468	Soil	22	0.37	119	0.109	<1	1.80	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
MK469	Soil	17	0.35	123	0.092	<1	1.89	0.016	0.09	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
MK470	Soil	9	0.17	81	0.053	2	0.86	0.014	0.06	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
MK471	Soil	9	0.18	168	0.051	2	1.22	0.016	0.08	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
MK472	Soil	17	0.25	151	0.061	1	1.65	0.014	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
MK473	Soil	8	0.17	152	0.057	1	1.37	0.014	0.07	<0.1	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
MK474	Soil	10	0.19	126	0.058	<1	1.43	0.012	0.06	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
MK475	Soil	9	0.22	118	0.062	1	1.89	0.014	0.05	<0.1	0.03	1.6	<0.1	<0.05	6	<0.5	<0.2
MK476	Soil	7	0.20	58	0.095	2	1.34	0.017	0.05	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
MK477	Soil	11	0.23	85	0.066	2	1.55	0.012	0.09	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
MK478	Soil	10	0.20	67	0.064	1	0.92	0.018	0.05	<0.1	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
MK479	Soil	14	0.34	126	0.029	<1	2.19	0.016	0.08	<0.1	0.05	9.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK480	Soil	0.5	6.1	5.2	61	<0.1	4.9	4.1	1200	1.42	1.6	0.7	0.5	22	0.2	0.2	<0.1	34	0.26	0.036	5
BM11S-36	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK481	Soil	0.4	6.6	5.3	47	<0.1	4.8	3.7	508	1.49	1.4	0.9	0.7	18	<0.1	0.2	0.2	39	0.18	0.055	5
MK482	Soil	0.5	8.2	5.1	55	<0.1	5.7	5.0	655	1.73	2.3	1.4	0.8	22	<0.1	0.2	0.1	43	0.20	0.070	5
MK483	Soil	0.4	13.1	5.6	51	0.1	7.7	5.6	610	1.89	1.7	2.5	1.1	33	<0.1	0.2	<0.1	46	0.37	0.029	16
MK484	Soil	0.4	6.4	4.8	33	<0.1	4.9	4.2	319	1.58	1.5	6.9	0.7	31	<0.1	0.2	<0.1	43	0.30	0.025	5
MK485	Soil	0.4	8.2	5.4	57	<0.1	7.1	4.8	653	1.60	1.5	2.3	0.8	20	<0.1	0.2	<0.1	39	0.20	0.061	4
MK486	Soil	0.4	7.2	4.6	34	<0.1	6.0	4.3	290	1.48	1.2	0.7	0.6	22	<0.1	0.2	<0.1	41	0.22	0.026	6
MK487	Soil	0.5	9.4	4.5	43	<0.1	7.3	5.2	546	1.60	1.6	0.8	0.6	22	<0.1	0.2	<0.1	43	0.22	0.036	8
MK488	Soil	0.4	7.3	5.2	39	<0.1	6.0	4.3	252	1.56	1.2	1.2	0.6	21	<0.1	0.1	<0.1	41	0.20	0.028	5
MK489	Soil	0.2	6.9	4.7	33	<0.1	5.2	3.1	174	1.25	0.9	7.7	0.6	24	<0.1	0.1	<0.1	31	0.24	0.014	8
MK490	Soil	0.5	6.8	5.4	40	<0.1	5.9	4.4	283	1.50	1.4	2.8	0.6	18	<0.1	0.1	<0.1	38	0.16	0.049	4
MK491	Soil	0.3	11.7	5.1	39	<0.1	8.1	4.4	192	1.47	1.1	1.3	0.8	26	<0.1	0.1	<0.1	38	0.27	0.019	8
MK492	Soil	0.5	13.3	4.7	53	<0.1	11.0	7.0	209	2.07	1.8	1.3	0.9	24	<0.1	0.2	<0.1	54	0.24	0.074	5
MK493	Soil	0.4	18.3	5.1	52	<0.1	10.7	6.5	326	2.01	1.9	2.0	1.1	43	<0.1	0.2	<0.1	52	0.44	0.041	15
MK494	Soil	0.6	12.1	5.9	38	<0.1	8.5	5.5	241	2.00	1.6	3.4	1.0	38	<0.1	0.2	<0.1	56	0.45	0.016	8
MK495	Soil	0.7	7.7	5.2	45	<0.1	6.1	4.6	463	1.76	2.6	4.4	0.7	23	<0.1	0.2	<0.1	46	0.26	0.065	5
MK496	Soil	0.5	10.7	5.6	72	<0.1	8.2	5.3	966	1.82	2.1	3.7	0.9	32	0.1	0.2	<0.1	46	0.32	0.075	6
MK497	Soil	0.5	10.4	5.2	69	<0.1	10.7	6.1	443	1.89	1.7	0.5	1.0	26	<0.1	0.2	<0.1	49	0.24	0.060	5
MK498	Soil	0.5	11.0	5.2	55	<0.1	11.4	5.9	482	1.91	1.5	<0.5	1.0	30	<0.1	0.2	<0.1	52	0.24	0.043	5
MK499	Soil	0.5	11.5	4.7	76	<0.1	12.4	5.6	528	1.78	1.4	<0.5	0.9	29	<0.1	0.2	<0.1	45	0.25	0.072	5
MK500	Soil	0.4	8.0	4.4	44	<0.1	9.0	4.4	298	1.75	1.5	0.5	0.9	35	<0.1	0.2	<0.1	50	0.29	0.047	5
MK501	Soil	0.6	10.5	4.9	54	<0.1	8.6	6.0	587	2.11	2.8	<0.5	1.0	42	<0.1	0.3	<0.1	57	0.39	0.045	7
MK502	Soil	0.6	19.2	5.1	44	<0.1	10.0	6.7	341	2.57	3.7	3.1	1.3	55	<0.1	0.4	<0.1	70	0.44	0.029	15
MK503	Soil	0.8	25.1	5.8	51	0.2	10.3	7.7	460	2.67	5.1	3.9	1.4	61	<0.1	0.4	<0.1	65	0.59	0.059	19
MK504	Soil	0.5	8.2	5.0	54	<0.1	5.2	4.6	396	1.74	2.7	3.1	0.8	29	0.1	0.2	<0.1	48	0.23	0.090	4
MK505	Soil	0.7	14.3	5.9	56	<0.1	13.0	9.2	772	2.45	4.5	0.8	0.9	75	0.1	0.2	0.1	69	0.69	0.066	6
MK506	Soil	0.3	10.3	5.3	62	<0.1	6.9	4.7	381	1.70	2.7	<0.5	0.8	50	0.1	0.2	<0.1	42	0.29	0.101	5
MK507	Soil	0.3	8.8	4.0	29	<0.1	6.7	4.8	233	1.93	1.7	1.5	0.8	40	<0.1	0.2	<0.1	56	0.28	0.018	6
MK508	Soil	0.6	12.5	5.2	55	<0.1	11.4	6.1	499	1.91	3.2	1.3	0.8	48	0.1	0.2	<0.1	54	0.33	0.073	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 5 of 7 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK480	Soil	9	0.18	148	0.061	<1	0.96	0.011	0.07	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11S-36	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK481	Soil	8	0.18	88	0.064	1	1.06	0.011	0.06	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MK482	Soil	11	0.21	103	0.069	1	1.24	0.011	0.07	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MK483	Soil	14	0.32	77	0.074	1	1.70	0.017	0.07	<0.1	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
MK484	Soil	10	0.21	85	0.095	<1	0.83	0.013	0.08	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
MK485	Soil	11	0.23	131	0.067	<1	1.58	0.012	0.07	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
MK486	Soil	12	0.20	74	0.070	<1	0.97	0.018	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
MK487	Soil	13	0.25	100	0.079	<1	1.01	0.013	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
MK488	Soil	11	0.22	90	0.075	<1	0.97	0.013	0.04	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MK489	Soil	9	0.19	80	0.076	<1	1.02	0.018	0.05	<0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
MK490	Soil	10	0.20	93	0.066	<1	1.03	0.012	0.05	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
MK491	Soil	13	0.28	80	0.083	<1	1.14	0.021	0.04	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
MK492	Soil	18	0.33	92	0.092	<1	1.48	0.015	0.05	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
MK493	Soil	17	0.39	108	0.106	<1	1.34	0.019	0.07	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
MK494	Soil	16	0.30	119	0.114	1	1.24	0.023	0.08	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MK495	Soil	10	0.21	111	0.076	<1	1.15	0.014	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
MK496	Soil	12	0.25	165	0.087	<1	1.47	0.013	0.10	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
MK497	Soil	15	0.28	117	0.093	<1	1.53	0.013	0.07	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
MK498	Soil	15	0.28	141	0.106	<1	1.51	0.021	0.07	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
MK499	Soil	16	0.28	135	0.105	1	1.62	0.021	0.09	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
MK500	Soil	15	0.23	137	0.124	<1	1.18	0.014	0.09	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
MK501	Soil	17	0.30	136	0.118	1	1.05	0.013	0.19	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
MK502	Soil	19	0.40	101	0.120	1	1.33	0.017	0.19	<0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
MK503	Soil	19	0.44	135	0.075	2	1.46	0.017	0.15	<0.1	0.05	5.7	<0.1	<0.05	5	<0.5	<0.2
MK504	Soil	13	0.21	119	0.078	<1	0.91	0.014	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
MK505	Soil	18	0.49	155	0.094	3	1.61	0.016	0.14	<0.1	0.06	3.3	<0.1	0.13	5	<0.5	<0.2
MK506	Soil	11	0.24	122	0.083	1	1.76	0.014	0.06	<0.1	0.01	2.5	<0.1	0.11	5	<0.5	<0.2
MK507	Soil	15	0.21	104	0.102	<1	0.91	0.014	0.08	<0.1	0.01	2.5	<0.1	0.08	3	<0.5	<0.2
MK508	Soil	14	0.31	118	0.088	<1	1.47	0.014	0.08	<0.1	0.03	2.4	<0.1	0.09	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

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
Unit	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL	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
MK509	Soil	0.5	11.3	6.4	67	<0.1	9.4	5.2	1029	1.55	3.1	<0.5	0.9	29	0.2	0.1	<0.1	39	0.25	0.117	5
MK510	Soil	0.4	9.9	5.2	51	0.2	7.0	5.4	225	1.55	2.9	1.0	0.8	23	<0.1	0.1	<0.1	35	0.20	0.149	6
MK511	Soil	0.7	15.9	5.0	46	0.1	10.6	6.7	250	2.55	3.5	3.1	0.9	30	<0.1	0.3	<0.1	72	0.25	0.026	5
MK512	Soil	0.4	12.1	5.5	52	<0.1	7.4	5.2	263	1.74	3.5	0.6	0.8	17	<0.1	0.2	<0.1	44	0.22	0.086	4
MK513	Soil	0.9	11.9	5.3	47	<0.1	12.8	7.1	216	2.18	3.6	<0.5	0.7	36	<0.1	0.2	<0.1	58	0.24	0.081	4
MK514	Soil	0.7	11.4	6.1	81	0.2	10.8	6.3	575	1.99	3.3	<0.5	0.9	19	0.1	<0.1	0.1	43	0.22	0.087	9
MK515	Soil	0.6	14.1	6.8	54	0.1	14.0	7.2	895	2.09	2.4	1.0	0.8	43	0.2	0.1	<0.1	48	0.58	0.046	14
MK516	Soil	0.5	10.4	5.3	63	<0.1	14.8	6.7	345	2.12	2.3	1.0	0.6	36	<0.1	0.2	<0.1	56	0.26	0.086	5
MK517	Soil	0.7	11.9	5.7	72	<0.1	12.3	7.0	436	2.23	3.3	1.0	1.0	37	<0.1	0.2	<0.1	54	0.23	0.124	6
MK518	Soil	0.5	11.1	5.6	47	0.1	9.5	5.3	447	1.78	1.6	<0.5	0.8	35	<0.1	0.1	<0.1	44	0.39	0.023	14
MK519	Soil	0.6	12.1	6.2	46	<0.1	9.4	5.9	361	2.04	2.8	<0.5	0.8	33	<0.1	0.1	<0.1	49	0.35	0.034	10
MK520	Soil	0.6	6.4	4.5	54	0.1	5.2	2.7	233	1.38	1.4	<0.5	0.6	46	<0.1	<0.1	<0.1	25	0.24	0.033	10
MK521	Soil	0.6	9.2	5.7	73	<0.1	9.7	6.5	438	1.93	2.8	<0.5	0.9	24	0.1	0.1	<0.1	53	0.16	0.099	4
MK522	Soil	0.8	10.7	6.7	53	0.1	7.2	5.4	718	1.67	2.1	<0.5	0.9	39	0.2	0.1	<0.1	44	0.49	0.023	13
MK523	Soil	1.2	6.0	5.6	73	<0.1	6.9	4.6	339	1.45	1.5	<0.5	0.7	14	<0.1	<0.1	0.1	34	0.13	0.071	5
MK524	Soil	1.2	6.0	8.4	120	0.1	4.1	2.5	1217	0.88	0.9	<0.5	0.6	26	0.2	<0.1	0.1	18	0.38	0.071	6
MK525	Soil	1.0	6.7	6.5	78	<0.1	6.7	4.9	724	1.70	1.7	<0.5	0.9	21	<0.1	0.1	0.1	37	0.14	0.076	7
BM11S-41	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK526	Soil	1.0	11.7	6.0	50	<0.1	9.3	6.1	656	1.82	1.6	<0.5	0.8	29	0.1	0.1	0.1	46	0.21	0.042	10
MK527	Soil	2.3	10.4	6.0	62	<0.1	7.9	4.6	718	1.90	2.2	0.6	1.1	11	<0.1	0.1	0.2	43	0.08	0.104	5
MK528	Soil	1.4	10.5	6.4	57	<0.1	9.5	6.2	789	1.72	2.5	<0.5	1.0	23	0.1	0.1	<0.1	40	0.18	0.099	5
MK529	Soil	1.0	12.1	6.0	49	<0.1	10.5	6.4	307	2.03	2.5	<0.5	1.0	31	<0.1	0.2	0.1	50	0.20	0.030	6
MK530	Soil	0.7	15.0	6.1	57	<0.1	12.2	7.6	469	2.28	3.0	<0.5	1.2	30	<0.1	0.2	0.2	55	0.18	0.072	7
MK531	Soil	0.7	13.8	6.0	53	<0.1	11.5	7.3	416	1.84	2.4	0.7	1.2	36	<0.1	0.1	0.1	43	0.22	0.063	8
MK532	Soil	0.5	11.7	5.3	48	<0.1	11.9	6.6	200	2.15	2.6	0.7	1.0	38	<0.1	0.2	<0.1	57	0.20	0.058	5
MK533	Soil	0.3	7.0	5.5	48	<0.1	8.0	4.3	266	1.54	1.2	<0.5	0.7	41	0.1	0.1	<0.1	40	0.25	0.049	5
MK534	Soil	0.7	10.2	5.6	47	<0.1	8.5	5.8	379	1.77	1.9	<0.5	0.6	26	<0.1	0.1	<0.1	47	0.24	0.039	4
MK535	Soil	0.3	20.7	3.0	59	<0.1	57.0	15.6	272	3.04	1.5	<0.5	1.0	48	<0.1	<0.1	<0.1	71	0.60	0.083	7
MK536	Soil	0.6	11.9	5.2	55	<0.1	12.2	7.2	313	2.21	3.0	1.8	0.9	29	<0.1	0.2	<0.1	63	0.23	0.073	4
MK537	Soil	1.1	10.7	4.8	41	<0.1	13.7	6.4	258	1.78	1.5	0.6	0.7	40	<0.1	0.2	<0.1	56	0.35	0.018	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 6 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11004108.1

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	
MK509	Soil	11	0.23	131	0.079	<1	1.54	0.012	0.07	<0.1	0.04	1.7	<0.1	0.07	5	<0.5	<0.2
MK510	Soil	11	0.18	109	0.058	<1	1.43	0.013	0.06	<0.1	0.03	1.9	<0.1	0.06	5	<0.5	<0.2
MK511	Soil	19	0.37	125	0.107	<1	1.39	0.011	0.06	<0.1	0.02	2.3	<0.1	0.06	4	<0.5	<0.2
MK512	Soil	11	0.25	124	0.066	<1	1.53	0.010	0.05	<0.1	0.02	1.8	<0.1	0.06	5	<0.5	<0.2
MK513	Soil	17	0.32	100	0.068	1	1.61	0.012	0.06	<0.1	0.02	2.1	<0.1	0.07	6	<0.5	<0.2
MK514	Soil	16	0.27	90	0.048	<1	1.85	0.014	0.05	<0.1	0.04	1.9	<0.1	0.05	7	<0.5	<0.2
MK515	Soil	19	0.44	107	0.058	<1	2.11	0.022	0.06	<0.1	0.03	3.5	<0.1	0.06	7	0.5	<0.2
MK516	Soil	19	0.38	94	0.083	<1	1.78	0.015	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
MK517	Soil	17	0.32	103	0.077	<1	2.11	0.015	0.06	<0.1	0.03	2.4	<0.1	0.05	7	<0.5	<0.2
MK518	Soil	16	0.38	81	0.067	<1	1.56	0.021	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
MK519	Soil	14	0.36	71	0.054	<1	1.88	0.038	0.07	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
MK520	Soil	7	0.20	81	0.035	<1	1.74	0.136	0.13	<0.1	0.02	1.6	<0.1	<0.05	6	<0.5	<0.2
MK521	Soil	14	0.24	90	0.083	<1	1.60	0.014	0.06	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
MK522	Soil	12	0.36	76	0.054	<1	1.48	0.032	0.05	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MK523	Soil	8	0.16	42	0.067	<1	1.68	0.015	0.07	<0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
MK524	Soil	5	0.12	63	0.051	2	1.26	0.019	0.16	<0.1	0.04	1.1	<0.1	<0.05	6	<0.5	<0.2
MK525	Soil	9	0.19	87	0.034	<1	2.18	0.015	0.06	<0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
BM11S-41	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MK526	Soil	14	0.31	78	0.069	<1	1.73	0.014	0.04	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
MK527	Soil	12	0.21	59	0.088	<1	2.35	0.011	0.04	<0.1	0.06	1.6	<0.1	<0.05	8	<0.5	<0.2
MK528	Soil	12	0.24	95	0.082	<1	2.21	0.015	0.05	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5	<0.2
MK529	Soil	15	0.35	84	0.089	<1	2.04	0.012	0.06	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MK530	Soil	17	0.40	109	0.077	<1	2.59	0.012	0.08	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
MK531	Soil	14	0.28	121	0.082	<1	2.96	0.013	0.08	<0.1	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
MK532	Soil	17	0.32	86	0.097	<1	2.07	0.012	0.06	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
MK533	Soil	11	0.25	86	0.096	<1	1.63	0.014	0.09	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
MK534	Soil	13	0.27	86	0.068	<1	1.43	0.014	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
MK535	Soil	28	1.15	86	0.130	1	2.83	0.031	0.11	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
MK536	Soil	17	0.32	90	0.091	1	1.62	0.013	0.06	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
MK537	Soil	17	0.40	75	0.101	<1	1.33	0.024	0.04	<0.1	0.02	2.6	<0.1	0.06	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004108.1

Method Analyte	Unit	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	%	%	ppm
MK538	Soil	0.4	7.7	5.1	32	<0.1	7.2	4.0	170	1.45	0.9	<0.5	0.6	28	<0.1	0.1	<0.1	41	0.24	0.014	6
MK539	Soil	0.6	30.2	6.3	46	<0.1	14.9	9.1	625	2.69	5.1	1.0	1.5	73	<0.1	0.3	<0.1	69	0.65	0.062	13
MK540	Soil	0.8	13.4	5.6	52	<0.1	10.9	6.7	269	2.17	2.5	<0.5	0.9	25	<0.1	0.2	0.1	54	0.22	0.106	4
MK541	Soil	0.5	30.0	6.0	46	<0.1	14.8	8.3	422	2.35	3.0	2.7	1.1	54	<0.1	0.3	<0.1	58	0.55	0.043	21
MK542	Soil	0.3	16.4	5.8	46	<0.1	9.4	5.9	227	1.69	1.3	0.5	0.8	30	<0.1	0.2	<0.1	43	0.29	0.025	7
MK543	Soil	0.4	12.6	5.5	45	<0.1	7.9	5.6	288	1.64	1.1	1.5	0.7	23	0.1	0.1	<0.1	42	0.25	0.029	7
MK544	Soil	0.6	19.9	5.5	57	<0.1	11.8	8.6	299	2.33	2.3	1.0	1.0	29	0.1	0.2	<0.1	60	0.33	0.043	7
MK545	Soil	0.7	12.5	5.6	52	<0.1	9.3	6.4	368	1.98	2.2	1.1	0.8	18	<0.1	0.2	<0.1	47	0.21	0.057	4
MK546	Soil	0.5	6.6	4.9	37	<0.1	5.3	3.8	343	1.37	1.5	0.6	0.6	15	<0.1	0.2	<0.1	35	0.20	0.024	5
MK547	Soil	0.7	7.8	4.9	45	<0.1	5.6	4.0	312	1.61	2.5	<0.5	0.7	15	<0.1	0.2	<0.1	40	0.17	0.087	4
MK548	Soil	0.7	16.1	5.7	42	<0.1	6.5	7.0	464	2.27	5.1	5.0	1.2	58	<0.1	0.3	<0.1	55	0.41	0.047	11
MK549	Soil	0.5	8.3	5.3	58	<0.1	5.5	4.3	524	1.46	2.4	0.8	0.7	15	0.1	0.1	<0.1	34	0.18	0.121	4
MK550	Soil	0.9	9.4	5.5	43	<0.1	6.1	4.9	351	1.66	2.8	1.4	0.7	20	<0.1	0.2	0.1	42	0.29	0.082	5
MK551	Soil	0.7	7.0	5.3	42	<0.1	5.3	4.4	224	1.59	2.7	<0.5	0.7	15	<0.1	0.2	<0.1	39	0.19	0.061	4
MK552	Soil	0.6	7.7	5.7	66	<0.1	6.4	4.3	600	1.56	2.4	0.6	0.8	17	0.1	0.2	<0.1	34	0.28	0.138	4
MK553	Soil	0.7	23.7	5.6	56	0.1	10.4	5.4	589	1.68	1.9	3.0	0.9	22	0.2	0.2	<0.1	37	0.48	0.027	20
MK554	Soil	0.6	9.4	5.2	71	<0.1	9.8	5.0	555	1.58	1.8	<0.5	0.8	20	0.1	0.1	<0.1	39	0.30	0.126	4
MK555	Soil	0.5	10.2	5.0	57	<0.1	8.4	5.0	346	1.59	2.2	0.8	0.8	19	<0.1	0.1	<0.1	39	0.25	0.082	4
MK556	Soil	0.6	12.2	5.5	64	<0.1	9.1	5.9	477	1.80	2.6	1.9	0.9	19	<0.1	0.2	<0.1	42	0.22	0.117	5
MK557	Soil	0.6	8.6	5.0	46	<0.1	7.0	4.7	495	1.64	2.0	0.7	0.8	17	<0.1	0.2	<0.1	40	0.25	0.037	4
MK558	Soil	0.4	6.4	5.1	43	<0.1	5.1	3.9	468	1.33	1.3	<0.5	0.6	15	<0.1	<0.1	<0.1	31	0.20	0.060	4
MK559	Soil	0.4	8.2	5.3	56	<0.1	8.2	4.4	299	1.49	2.3	<0.5	0.8	15	0.1	0.2	<0.1	34	0.16	0.078	4
MK560	Soil	0.7	15.1	5.1	40	<0.1	6.4	6.9	509	2.09	5.0	1.6	1.0	45	<0.1	0.4	<0.1	54	0.40	0.051	9
MK561	Soil	0.6	6.9	4.9	33	<0.1	5.0	3.8	242	1.30	1.8	0.7	0.6	16	<0.1	0.2	<0.1	35	0.22	0.043	4
MK562	Soil	0.4	6.5	5.1	46	<0.1	5.2	2.7	389	1.03	1.7	0.5	0.8	15	0.1	<0.1	<0.1	21	0.18	0.180	3
MK563	Soil	0.9	11.0	5.7	74	<0.1	6.9	5.6	1007	1.74	2.4	1.2	0.9	19	<0.1	0.2	<0.1	42	0.23	0.116	5
MK564	Soil	0.4	8.4	4.8	49	<0.1	5.5	4.0	190	1.51	2.4	1.5	0.8	20	<0.1	0.2	<0.1	38	0.22	0.076	5
MK565	Soil	0.5	11.2	5.1	68	<0.1	9.3	5.9	296	1.74	2.5	1.2	0.9	20	<0.1	0.1	<0.1	40	0.22	0.142	4
BM11S-46	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 7 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11004108.1

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
MK538	Soil	12	0.26	62	0.081	<1	0.93	0.020	0.03	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
MK539	Soil	22	0.65	124	0.101	2	1.66	0.033	0.08	<0.1	0.04	5.2	<0.1	0.06	5	<0.5	<0.2
MK540	Soil	15	0.29	99	0.070	1	1.67	0.012	0.05	<0.1	0.02	2.1	<0.1	0.07	6	<0.5	<0.2
MK541	Soil	19	0.58	113	0.079	1	1.50	0.018	0.06	<0.1	0.03	4.9	<0.1	0.07	5	0.5	<0.2
MK542	Soil	13	0.36	95	0.071	<1	1.27	0.017	0.04	<0.1	0.03	2.5	<0.1	0.07	4	<0.5	<0.2
MK543	Soil	12	0.27	77	0.059	1	1.19	0.016	0.04	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
MK544	Soil	17	0.43	100	0.091	<1	1.34	0.013	0.06	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
MK545	Soil	12	0.27	121	0.051	<1	1.49	0.010	0.09	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
MK546	Soil	9	0.16	113	0.054	<1	0.83	0.010	0.04	<0.1	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
MK547	Soil	10	0.17	133	0.054	2	0.90	0.011	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
MK548	Soil	12	0.33	107	0.081	<1	1.04	0.016	0.09	<0.1	0.03	3.4	<0.1	0.05	4	<0.5	<0.2
MK549	Soil	9	0.15	175	0.051	1	0.93	0.010	0.05	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
MK550	Soil	8	0.19	132	0.053	1	1.12	0.011	0.08	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
MK551	Soil	9	0.17	103	0.050	<1	0.88	0.012	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
MK552	Soil	9	0.19	174	0.054	<1	1.10	0.009	0.06	<0.1	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
MK553	Soil	12	0.28	118	0.053	2	1.65	0.018	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
MK554	Soil	12	0.23	171	0.071	2	1.21	0.010	0.10	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
MK555	Soil	11	0.23	134	0.066	<1	1.35	0.012	0.06	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
MK556	Soil	12	0.25	129	0.065	<1	1.49	0.012	0.06	<0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
MK557	Soil	11	0.22	133	0.058	<1	1.30	0.010	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
MK558	Soil	8	0.17	105	0.057	<1	1.23	0.011	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
MK559	Soil	9	0.18	115	0.066	<1	1.25	0.013	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
MK560	Soil	12	0.33	103	0.076	<1	0.94	0.017	0.07	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
MK561	Soil	8	0.17	100	0.050	<1	0.85	0.010	0.06	<0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
MK562	Soil	7	0.10	218	0.053	<1	0.99	0.014	0.04	<0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
MK563	Soil	11	0.21	183	0.061	1	1.17	0.013	0.06	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
MK564	Soil	8	0.18	128	0.059	<1	1.04	0.012	0.05	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
MK565	Soil	12	0.25	155	0.068	1	1.51	0.014	0.07	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
BM11S-46	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere

**Report Date:** September 28, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11004108.1

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																					
MK411	Soil	0.6	10.8	6.0	61	<0.1	9.0	6.7	405	2.16	1.7	<0.5	1.0	29	<0.1	0.2	<0.1	55	0.25	0.061	6
REP MK411	QC	0.6	10.9	6.3	62	<0.1	9.1	6.6	407	2.15	2.4	<0.5	0.9	31	0.1	0.2	<0.1	55	0.28	0.063	7
MK431	Soil	0.4	7.0	5.0	53	<0.1	5.2	4.2	1065	1.45	1.1	<0.5	0.6	69	0.1	0.1	<0.1	39	0.37	0.052	4
REP MK431	QC	0.4	7.3	5.3	55	<0.1	4.7	4.3	1041	1.45	1.3	111.5	0.7	68	0.1	0.1	<0.1	38	0.38	0.054	4
MK442	Soil	0.7	14.9	5.6	52	<0.1	10.3	6.3	312	2.59	4.3	<0.5	1.2	78	<0.1	0.4	<0.1	77	0.40	0.040	7
REP MK442	QC	0.6	14.1	5.5	50	<0.1	10.0	6.3	311	2.44	4.0	2.0	1.1	78	<0.1	0.3	<0.1	74	0.38	0.038	7
MK465	Soil	0.4	12.7	6.6	47	<0.1	11.7	5.9	343	1.81	2.0	3.9	1.1	57	<0.1	0.2	<0.1	54	0.31	0.021	11
REP MK465	QC	0.4	12.4	6.6	46	<0.1	10.9	5.5	326	1.70	2.0	<0.5	1.0	58	<0.1	0.2	<0.1	51	0.30	0.021	11
MK477	Soil	0.5	8.6	5.5	67	<0.1	7.2	4.9	463	1.74	2.1	1.3	0.8	25	<0.1	0.2	<0.1	44	0.28	0.066	6
REP MK477	QC	0.5	8.5	5.6	69	<0.1	7.1	4.9	475	1.77	2.1	9.1	0.9	25	<0.1	0.2	<0.1	45	0.29	0.069	6
MK502	Soil	0.6	19.2	5.1	44	<0.1	10.0	6.7	341	2.57	3.7	3.1	1.3	55	<0.1	0.4	<0.1	70	0.44	0.029	15
REP MK502	QC	0.6	18.6	5.1	41	<0.1	9.6	6.4	335	2.52	3.8	2.8	1.4	55	<0.1	0.4	<0.1	68	0.41	0.028	15
MK520	Soil	0.6	6.4	4.5	54	0.1	5.2	2.7	233	1.38	1.4	<0.5	0.6	46	<0.1	<0.1	<0.1	25	0.24	0.033	10
REP MK520	QC	0.6	6.1	4.5	52	<0.1	5.0	2.7	241	1.42	1.2	0.9	0.6	44	<0.1	<0.1	<0.1	26	0.24	0.033	10
MK530	Soil	0.7	15.0	6.1	57	<0.1	12.2	7.6	469	2.28	3.0	<0.5	1.2	30	<0.1	0.2	0.2	55	0.18	0.072	7
REP MK530	QC	0.7	14.8	5.9	57	<0.1	12.4	7.6	469	2.30	3.2	<0.5	1.2	30	<0.1	0.2	0.2	58	0.18	0.068	7
MK557	Soil	0.6	8.6	5.0	46	<0.1	7.0	4.7	495	1.64	2.0	0.7	0.8	17	<0.1	0.2	<0.1	40	0.25	0.037	4
REP MK557	QC	0.6	9.1	5.3	48	<0.1	7.2	4.9	522	1.64	1.7	1.8	0.8	18	<0.1	0.2	<0.1	40	0.26	0.040	5
Reference Materials																					
STD DS8	Standard	13.3	111.7	118.1	306	1.7	39.0	7.5	603	2.48	24.4	122.0	5.9	65	2.2	5.5	6.1	44	0.70	0.083	16
STD DS8	Standard	13.5	110.4	118.6	307	1.8	38.8	7.4	607	2.45	24.3	106.9	6.5	64	2.2	5.5	6.2	43	0.69	0.082	15
STD DS8	Standard	13.6	112.2	126.7	328	1.8	39.7	7.7	627	2.58	25.9	122.1	7.6	71	2.4	6.1	7.5	45	0.77	0.084	16
STD DS8	Standard	11.8	106.5	112.6	286	1.6	35.9	7.4	562	2.30	23.7	114.2	6.1	57	2.2	4.8	6.0	40	0.61	0.075	13
STD DS8	Standard	12.4	102.4	111.2	281	1.7	35.6	7.0	557	2.22	22.6	113.6	6.0	58	2.3	4.8	5.7	41	0.62	0.076	13
STD DS8	Standard	12.7	107.6	122.8	311	1.7	38.2	7.6	615	2.42	25.1	113.0	6.5	68	2.1	5.5	7.0	42	0.70	0.078	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 1 of 2 Part 2

# QUALITY CONTROL REPORT

VAN11004108.1

Method	Analyte	Unit	MDL	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Tl	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 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
Pulp Duplicates																			
MK411	Soil			14	0.29	113	0.089	<1	1.34	0.013	0.07	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
REP MK411	QC			15	0.31	119	0.100	<1	1.48	0.015	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MK431	Soil			8	0.19	75	0.095	<1	1.63	0.013	0.10	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
REP MK431	QC			8	0.19	77	0.094	<1	1.65	0.012	0.10	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
MK442	Soil			23	0.39	105	0.134	<1	1.50	0.026	0.11	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
REP MK442	QC			22	0.38	102	0.130	<1	1.43	0.020	0.09	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MK465	Soil			18	0.36	105	0.111	<1	1.48	0.023	0.06	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
REP MK465	QC			17	0.36	102	0.106	<1	1.49	0.024	0.06	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
MK477	Soil			11	0.23	85	0.066	2	1.55	0.012	0.09	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
REP MK477	QC			11	0.24	84	0.063	1	1.58	0.011	0.09	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
MK502	Soil			19	0.40	101	0.120	1	1.33	0.017	0.19	<0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
REP MK502	QC			19	0.39	99	0.116	1	1.28	0.015	0.18	<0.1	0.01	5.1	<0.1	<0.05	4	<0.5	<0.2
MK520	Soil			7	0.20	81	0.035	<1	1.74	0.136	0.13	<0.1	0.02	1.6	<0.1	<0.05	6	<0.5	<0.2
REP MK520	QC			8	0.20	81	0.037	<1	1.79	0.135	0.13	<0.1	0.02	1.6	<0.1	<0.05	6	<0.5	<0.2
MK530	Soil			17	0.40	109	0.077	<1	2.59	0.012	0.08	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
REP MK530	QC			17	0.39	109	0.083	<1	2.64	0.011	0.07	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
MK557	Soil			11	0.22	133	0.058	<1	1.30	0.010	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
REP MK557	QC			11	0.22	138	0.060	2	1.39	0.011	0.07	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																			
STD DS8	Standard			119	0.61	275	0.123	2	0.92	0.090	0.40	2.9	0.21	2.1	5.3	0.19	5	5.1	4.8
STD DS8	Standard			117	0.61	265	0.117	2	0.91	0.088	0.43	3.0	0.19	2.3	5.4	0.15	5	5.1	4.9
STD DS8	Standard			125	0.65	294	0.125	2	0.96	0.096	0.46	3.3	0.20	2.4	5.4	0.16	5	4.5	5.2
STD DS8	Standard			107	0.57	260	0.100	2	0.82	0.079	0.39	2.7	0.18	1.7	5.0	0.18	4	4.8	4.6
STD DS8	Standard			111	0.58	257	0.105	2	0.82	0.080	0.38	2.7	0.19	1.7	5.0	0.21	4	5.3	4.3
STD DS8	Standard			116	0.60	278	0.117	2	0.93	0.097	0.43	3.0	0.18	2.2	5.5	0.15	5	5.0	5.3
STD DS8 Expected				115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 28, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004108.1

		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
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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 28, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004108.1

		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
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





1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 22, 2011
Report Date: September 30, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11004114.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: 4
P.O. Number
Number of Samples: 208

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include: Dry at 60C (208), SS80 (206), 1DX2 (205) with 1:1:1 Aqua Regia digestion ICP-MS analysis.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
BM11 JT422	Soil		0.4	7.7	4.8	38	<0.1	8.6	4.8	139	1.66	1.5	4.9	0.6	44	<0.1	0.1	<0.1	44	0.20	0.054	4
BM11 JT423	Soil		0.5	8.5	5.1	44	<0.1	8.9	5.2	217	1.70	1.6	<0.5	0.8	35	<0.1	<0.1	<0.1	40	0.20	0.056	4
BM11 JT424	Soil		0.4	22.1	4.9	45	<0.1	20.1	8.0	440	2.46	4.5	0.6	1.1	157	<0.1	0.3	<0.1	57	0.81	0.061	14
BM11 JT425	Soil		0.5	21.4	5.2	50	<0.1	14.1	8.3	468	2.46	4.3	0.6	1.1	141	<0.1	0.3	<0.1	60	0.77	0.061	12
BM11 JT426	Soil		0.5	16.7	4.7	48	<0.1	13.6	6.7	384	2.20	3.1	<0.5	0.9	146	<0.1	0.2	<0.1	54	0.69	0.062	12
BM11 JT427	Soil		0.5	20.1	5.0	55	<0.1	13.9	7.7	421	2.39	3.8	0.6	1.0	141	0.1	0.2	<0.1	56	0.68	0.044	11
BM11 JT428	Soil		0.4	16.8	4.6	47	<0.1	12.7	6.5	328	2.20	3.1	1.0	1.0	128	<0.1	0.2	<0.1	58	0.55	0.039	10
BM11 JT429	Soil		0.5	17.1	4.8	56	<0.1	10.8	7.0	582	2.25	3.0	<0.5	0.9	73	<0.1	0.2	<0.1	58	0.53	0.073	8
BM11 JT430	Soil		0.4	14.6	4.5	44	<0.1	9.8	6.0	360	2.02	2.2	0.6	0.9	58	<0.1	0.2	<0.1	50	0.35	0.038	7
BM11 JT431	Soil		0.3	13.9	4.4	44	<0.1	9.4	5.6	317	1.88	2.2	<0.5	0.9	64	<0.1	0.1	<0.1	46	0.37	0.045	8
BM11 JT432	Soil		0.4	10.2	3.9	41	<0.1	16.1	6.1	374	1.45	0.9	0.6	0.6	26	<0.1	<0.1	<0.1	37	0.25	0.041	6
BM11 JT433	Soil		0.7	13.6	4.1	64	<0.1	39.4	12.0	633	2.44	1.4	<0.5	1.1	35	0.2	<0.1	<0.1	60	0.45	0.117	7
BM11 JT434	Soil		0.5	13.5	3.2	58	<0.1	38.5	11.4	446	2.37	1.2	<0.5	1.0	37	<0.1	<0.1	<0.1	65	0.36	0.088	5
BM11 JT435	Soil		0.6	11.7	2.6	74	<0.1	42.4	11.1	314	2.19	0.6	<0.5	0.8	32	<0.1	<0.1	<0.1	48	0.33	0.092	4
BM11 JT436	Soil		0.5	8.6	4.0	35	<0.1	9.3	3.9	212	1.49	0.9	2.5	0.5	29	<0.1	0.1	<0.1	38	0.21	0.015	6
BM11 JT437	Soil		0.5	7.4	4.5	45	<0.1	6.2	4.4	368	1.61	1.9	<0.5	0.5	21	<0.1	0.2	<0.1	37	0.17	0.058	4
BM11 JT438	Soil		0.4	10.6	6.0	59	<0.1	7.1	5.0	452	1.90	3.5	0.6	0.8	31	<0.1	0.2	0.1	44	0.26	0.093	8
BM11 JT439	Soil		0.3	12.3	6.9	59	<0.1	7.8	6.2	742	2.08	3.5	<0.5	1.0	30	0.2	0.2	0.1	48	0.21	0.097	7
BM11 JT440	Soil		0.5	9.2	5.8	37	<0.1	4.9	4.6	409	1.71	2.3	1.8	0.7	29	<0.1	0.2	0.1	45	0.28	0.020	10
BM11 JT441	Soil		0.6	9.4	5.6	52	<0.1	5.9	5.4	815	1.84	3.5	<0.5	0.7	46	0.2	0.2	<0.1	46	0.25	0.071	4
BM11 JT442	Soil		0.5	6.7	6.4	54	<0.1	5.4	4.5	1132	1.45	1.8	<0.5	0.5	16	<0.1	0.1	<0.1	32	0.13	0.067	3
BM11 JT443	Soil		0.4	6.0	4.2	39	<0.1	5.0	3.8	180	1.45	1.8	<0.5	0.5	18	<0.1	0.1	<0.1	35	0.15	0.057	3
BM11 JT444	Soil		0.4	5.9	4.6	50	<0.1	6.1	3.9	564	1.34	2.8	<0.5	0.5	19	<0.1	0.1	<0.1	32	0.18	0.062	3
BM11 JT445	Soil		0.3	9.8	4.2	28	<0.1	5.2	3.9	310	1.43	1.9	<0.5	0.7	32	<0.1	0.1	<0.1	34	0.21	0.014	11
BM11 JT446	Soil		0.3	8.5	4.3	27	<0.1	4.6	3.7	230	1.36	1.2	<0.5	0.6	25	<0.1	0.1	<0.1	34	0.17	0.014	7
BM11 JT447	Soil		0.4	8.0	4.8	42	<0.1	6.7	4.5	543	1.42	2.2	<0.5	0.6	21	<0.1	0.1	<0.1	31	0.20	0.099	4
BM11 JT448	Soil		0.4	8.8	5.8	49	<0.1	7.8	5.0	291	1.81	3.5	<0.5	0.8	23	0.2	0.2	<0.1	46	0.18	0.085	5
BM11 JT449	Soil		0.4	7.9	4.1	40	<0.1	7.4	4.7	334	1.47	2.0	1.6	0.6	18	<0.1	0.1	<0.1	34	0.15	0.067	3
BM11 JT450	Soil		0.3	8.1	4.0	43	<0.1	7.7	4.3	306	1.33	1.4	1.6	0.6	20	<0.1	<0.1	<0.1	29	0.17	0.064	4
BM11 S52	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004114.1

Method	Analyte	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
BM11 JT422	Soil	12	0.22	113	0.062	<1	1.30	0.015	0.06	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JT423	Soil	12	0.25	105	0.062	<1	1.45	0.019	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JT424	Soil	23	0.71	130	0.070	<1	1.66	0.039	0.07	<0.1	0.05	5.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JT425	Soil	18	0.62	134	0.067	<1	1.55	0.026	0.11	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JT426	Soil	18	0.53	136	0.072	<1	1.34	0.027	0.10	<0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JT427	Soil	17	0.61	146	0.074	<1	1.48	0.033	0.10	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JT428	Soil	18	0.48	134	0.088	<1	1.35	0.031	0.08	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT429	Soil	17	0.43	138	0.083	<1	1.09	0.027	0.10	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT430	Soil	15	0.39	111	0.074	<1	1.03	0.018	0.09	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT431	Soil	15	0.37	124	0.076	<1	1.12	0.017	0.06	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT432	Soil	17	0.35	85	0.049	<1	1.46	0.019	0.05	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT433	Soil	38	0.75	73	0.099	3	2.27	0.028	0.06	<0.1	0.05	1.6	<0.1	<0.05	6	0.8	<0.2
BM11 JT434	Soil	25	0.73	96	0.059	<1	2.01	0.018	0.09	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JT435	Soil	26	0.76	93	0.070	<1	2.03	0.021	0.06	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JT436	Soil	12	0.22	90	0.052	<1	0.87	0.012	0.05	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
BM11 JT437	Soil	9	0.21	115	0.038	<1	1.14	0.009	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT438	Soil	11	0.28	122	0.059	1	1.58	0.013	0.07	<0.1	0.04	2.2	<0.1	<0.05	6	0.9	<0.2
BM11 JT439	Soil	12	0.31	126	0.077	<1	2.30	0.012	0.07	<0.1	0.04	2.5	<0.1	<0.05	7	0.9	<0.2
BM11 JT440	Soil	10	0.24	86	0.070	2	1.14	0.016	0.05	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT441	Soil	10	0.24	95	0.072	<1	1.45	0.010	0.08	<0.1	0.03	1.9	<0.1	<0.05	6	0.7	<0.2
BM11 JT442	Soil	8	0.17	85	0.040	<1	1.32	0.010	0.04	<0.1	0.03	1.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JT443	Soil	8	0.18	82	0.042	<1	0.93	0.009	0.05	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT444	Soil	8	0.18	115	0.039	<1	1.06	0.010	0.05	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JT445	Soil	8	0.23	86	0.045	<1	0.89	0.012	0.05	<0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
BM11 JT446	Soil	8	0.20	83	0.043	<1	0.86	0.014	0.04	<0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
BM11 JT447	Soil	9	0.19	116	0.038	<1	1.30	0.010	0.06	<0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT448	Soil	12	0.25	104	0.061	<1	1.37	0.012	0.06	<0.1	0.03	1.8	<0.1	<0.05	5	0.8	<0.2
BM11 JT449	Soil	9	0.20	79	0.044	<1	1.04	0.010	0.05	<0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JT450	Soil	9	0.20	98	0.042	<1	1.16	0.010	0.05	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
BM11 S52	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
BM11 JT451	Soil	0.4	9.3	3.4	33	<0.1	5.6	4.0	187	1.56	1.8	1.7	0.7	39	<0.1	0.2	<0.1	41	0.20	0.026	5
BM11 JT452	Soil	0.4	7.7	3.9	42	<0.1	5.9	4.5	388	1.61	2.0	<0.5	0.6	32	<0.1	0.1	<0.1	39	0.26	0.068	4
BM11 JT453	Soil	0.5	17.7	5.8	72	0.2	12.1	6.6	470	2.25	3.6	<0.5	1.1	47	0.2	0.2	0.1	49	0.42	0.138	10
BM11 JT454	Soil	0.3	8.8	3.9	52	<0.1	6.8	4.7	338	1.66	2.0	<0.5	0.7	28	<0.1	0.1	<0.1	40	0.23	0.104	4
BM11 JT455	Soil	0.3	8.9	3.9	51	<0.1	8.6	4.5	352	1.59	1.5	<0.5	0.7	25	<0.1	0.1	<0.1	36	0.22	0.083	4
BM11 JT456	Soil	0.5	16.9	4.9	51	<0.1	9.5	6.7	314	2.55	4.0	<0.5	1.2	46	<0.1	0.4	0.1	67	0.35	0.037	7
BM11 JT457	Soil	0.6	15.5	5.6	48	<0.1	10.4	6.8	293	2.51	3.2	2.3	1.3	44	<0.1	0.3	<0.1	68	0.42	0.032	8
BM11 JT458	Soil	0.8	8.2	5.3	47	<0.1	6.7	5.2	264	1.50	1.5	<0.5	0.7	23	<0.1	0.1	<0.1	45	0.25	0.024	5
BM11 JT459	Soil	0.9	27.4	7.4	59	0.2	12.6	8.1	1064	2.02	3.7	4.1	1.3	43	0.4	0.3	<0.1	54	0.74	0.044	54
BM11 JT460	Soil	0.7	16.3	7.7	84	<0.1	9.8	6.0	567	1.59	3.6	<0.5	1.5	17	0.2	0.1	0.1	37	0.24	0.161	7
BM11 JT461	Soil	0.4	11.5	7.3	67	<0.1	8.3	5.4	791	1.54	2.6	0.9	0.8	18	0.1	0.1	<0.1	41	0.25	0.065	6
BM11 JT462	Soil	0.6	7.7	7.8	55	<0.1	5.1	4.5	299	1.86	4.0	1.2	1.2	30	0.1	0.1	<0.1	45	0.58	0.084	8
BM11 JF556	Soil	0.9	16.9	7.0	73	<0.1	12.5	10.0	1018	2.91	4.3	0.9	1.0	68	0.2	0.2	<0.1	76	0.56	0.104	8
BM11 JF557	Soil	0.9	17.2	7.6	75	0.1	11.4	10.0	1155	2.78	3.9	0.5	1.0	68	0.1	0.2	<0.1	70	0.54	0.102	9
BM11 JF558	Soil	0.9	17.2	7.4	74	0.2	10.6	9.4	1144	2.78	3.9	1.5	0.9	61	0.2	0.1	<0.1	66	0.53	0.100	8
BM11 JF559	Soil	0.8	18.4	8.1	85	0.1	12.2	9.8	1311	2.78	4.5	1.4	0.9	67	0.2	0.2	<0.1	68	0.57	0.101	8
BM11 JF560	Soil	0.6	10.0	5.9	74	<0.1	14.3	6.8	469	1.62	2.3	1.1	0.9	24	0.1	0.1	<0.1	47	0.18	0.101	4
BM11 JF561	Soil	0.6	9.6	5.8	71	<0.1	13.3	6.6	475	1.64	2.1	0.8	0.9	24	<0.1	0.1	<0.1	48	0.19	0.090	4
BM11 JF562	Soil	0.6	8.2	5.6	57	<0.1	11.9	5.8	423	1.52	1.7	<0.5	0.9	31	<0.1	0.1	<0.1	48	0.23	0.065	4
BM11 JF563	Soil	0.6	9.4	5.8	58	<0.1	12.8	6.0	430	1.55	2.0	<0.5	0.9	32	<0.1	0.1	<0.1	49	0.24	0.070	5
BM11 JF564	Soil	0.5	9.2	5.7	54	<0.1	12.4	6.2	308	1.60	2.3	0.8	0.9	34	<0.1	0.1	<0.1	49	0.24	0.073	5
BM11 JF565	Soil	0.5	9.9	5.9	59	<0.1	13.0	6.5	301	1.67	2.1	<0.5	1.0	35	<0.1	0.1	<0.1	51	0.24	0.066	5
BM11 JF566	Soil	0.4	9.8	5.4	57	<0.1	12.8	6.3	264	1.63	2.0	0.8	1.0	32	0.1	0.1	<0.1	49	0.22	0.065	5
BM11 JF567	Soil	0.5	10.9	6.6	64	<0.1	17.0	7.0	934	1.67	2.0	0.6	0.8	64	0.1	0.1	<0.1	53	0.41	0.119	6
BM11 JF568	Soil	0.6	11.1	6.5	57	<0.1	17.4	6.8	785	1.77	2.4	<0.5	0.9	66	<0.1	0.2	<0.1	54	0.44	0.113	6
BM11 JF569	Soil	0.5	11.0	6.0	65	<0.1	13.9	8.3	335	2.58	3.0	1.0	0.9	70	<0.1	0.1	<0.1	70	0.33	0.102	5
BM11 JF570	Soil	0.4	11.5	6.1	63	<0.1	15.8	7.6	309	2.46	2.9	0.6	0.9	72	<0.1	0.2	<0.1	68	0.32	0.078	5
BM11 JF571	Soil	0.5	9.8	5.8	58	<0.1	13.5	7.0	294	2.28	2.2	<0.5	0.7	64	<0.1	0.2	<0.1	64	0.31	0.081	5
BM11 JF572	Soil	0.5	9.5	6.1	58	<0.1	13.4	6.9	307	1.99	2.3	2.0	0.8	64	<0.1	0.1	<0.1	60	0.30	0.081	5
BM11 JF573	Soil	0.4	10.7	6.2	57	<0.1	14.3	7.0	353	2.23	3.0	6.9	0.8	73	<0.1	0.1	<0.1	63	0.34	0.068	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004114.1

Method	Analyte	Unit	MDL	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		
				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	
BM11 JT451	Soil			10	0.21	80	0.065	<1	0.77	0.011	0.06	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM11 JT452	Soil			10	0.21	110	0.053	<1	0.89	0.011	0.08	<0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
BM11 JT453	Soil			16	0.33	114	0.072	<1	1.98	0.016	0.10	<0.1	0.03	3.6	<0.1	<0.05	7	<0.5	<0.2
BM11 JT454	Soil			11	0.22	102	0.054	<1	1.07	0.010	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JT455	Soil			12	0.24	105	0.057	<1	1.17	0.010	0.08	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT456	Soil			18	0.46	110	0.114	1	1.30	0.028	0.10	<0.1	0.02	3.3	<0.1	<0.05	5	1.1	<0.2
BM11 JT457	Soil			19	0.39	105	0.126	2	1.30	0.017	0.07	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JT458	Soil			12	0.22	85	0.099	2	1.18	0.011	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JT459	Soil			19	0.45	124	0.086	2	2.52	0.016	0.07	<0.1	0.06	8.4	0.1	0.10	7	<0.5	<0.2
BM11 JT460	Soil			11	0.25	126	0.094	2	2.84	0.012	0.09	0.1	0.04	3.7	<0.1	<0.05	8	<0.5	<0.2
BM11 JT461	Soil			11	0.26	106	0.081	1	2.39	0.011	0.06	<0.1	0.04	2.7	<0.1	<0.05	7	0.5	<0.2
BM11 JT462	Soil			6	0.27	62	0.159	2	3.02	0.010	0.09	0.2	0.03	3.1	<0.1	<0.05	10	0.8	<0.2
BM11 JF556	Soil			20	0.46	123	0.112	2	1.86	0.019	0.08	<0.1	0.04	4.3	<0.1	<0.05	6	<0.5	<0.2
BM11 JF557	Soil			18	0.42	134	0.103	2	1.75	0.018	0.08	<0.1	0.06	4.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF558	Soil			18	0.39	124	0.102	2	1.65	0.017	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF559	Soil			19	0.41	137	0.103	2	1.66	0.017	0.08	<0.1	0.04	3.8	<0.1	<0.05	6	0.7	<0.2
BM11 JF560	Soil			17	0.26	97	0.077	1	1.65	0.012	0.08	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF561	Soil			17	0.25	95	0.080	1	1.62	0.012	0.08	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF562	Soil			17	0.22	96	0.084	2	1.43	0.013	0.08	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF563	Soil			17	0.24	101	0.088	1	1.55	0.013	0.09	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF564	Soil			18	0.25	103	0.085	1	1.55	0.012	0.09	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF565	Soil			18	0.26	106	0.088	1	1.56	0.013	0.10	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JF566	Soil			17	0.26	101	0.085	2	1.54	0.012	0.09	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF567	Soil			23	0.32	121	0.106	1	1.49	0.016	0.13	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF568	Soil			23	0.33	121	0.118	<1	1.54	0.016	0.13	<0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF569	Soil			24	0.35	119	0.118	<1	1.63	0.017	0.08	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF570	Soil			23	0.36	122	0.122	<1	1.56	0.024	0.08	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JF571	Soil			20	0.32	119	0.115	1	1.45	0.016	0.07	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF572	Soil			20	0.32	113	0.107	2	1.39	0.016	0.07	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF573	Soil			21	0.35	115	0.111	<1	1.40	0.018	0.07	<0.1	0.02	3.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 4 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
BM11 JF574	Soil		0.5	11.0	5.2	58	<0.1	17.1	7.3	335	2.40	2.4	1.4	1.0	62	<0.1	0.1	<0.1	70	0.36	0.064	6
BM11 JF575	Soil		0.6	11.8	5.4	54	<0.1	9.5	7.3	368	2.44	3.5	3.5	1.0	110	<0.1	0.2	<0.1	67	0.46	0.058	7
BM11 JF576	Soil		0.5	9.8	6.0	58	<0.1	11.1	6.3	489	1.95	3.0	1.7	0.8	67	<0.1	0.1	<0.1	53	0.26	0.088	5
BM11 JF577	Soil		0.6	9.5	6.6	61	<0.1	9.2	6.1	577	1.72	3.0	0.8	0.7	65	<0.1	0.1	<0.1	52	0.28	0.084	5
BM11 JF578	Soil		0.5	13.9	5.2	49	<0.1	12.5	6.8	242	2.62	4.0	2.0	1.2	105	<0.1	0.2	<0.1	66	0.43	0.050	6
BM11 JF579	Soil		0.7	15.7	6.1	53	<0.1	13.3	8.0	386	2.35	4.0	2.8	1.2	99	0.1	0.2	<0.1	74	0.64	0.071	12
BM11 JF580	Soil		0.9	16.8	7.0	62	<0.1	14.8	8.5	485	2.79	4.1	2.2	1.1	94	<0.1	0.2	<0.1	71	0.62	0.081	12
BM11 JF581	Soil		0.4	13.3	5.2	55	<0.1	10.1	5.9	285	2.10	3.1	0.7	0.9	40	0.1	0.2	<0.1	60	0.24	0.078	5
BM11 JF582	Soil		0.6	11.8	5.2	55	<0.1	9.1	5.3	311	1.75	2.7	0.8	0.8	33	<0.1	0.1	<0.1	52	0.21	0.078	5
BM11 JF583	Soil		0.6	11.8	5.2	54	<0.1	10.2	5.5	308	2.00	2.9	2.0	0.9	35	<0.1	0.2	<0.1	54	0.22	0.073	5
BM11 JF584	Soil		0.5	10.6	5.1	60	<0.1	9.8	5.4	400	1.81	2.8	1.8	0.9	31	<0.1	0.1	<0.1	50	0.20	0.083	5
BM11 JF585	Soil		0.6	10.8	5.4	59	<0.1	10.0	5.7	353	1.84	2.9	2.5	0.8	31	<0.1	0.1	<0.1	50	0.21	0.092	5
BM11 JF586	Soil		0.4	11.5	5.6	67	<0.1	9.6	6.0	502	1.97	2.9	<0.5	0.9	37	<0.1	0.2	0.2	52	0.21	0.104	5
BM11 JF587	Soil		0.5	15.8	4.0	72	<0.1	38.4	11.9	478	2.34	0.9	<0.5	1.1	40	0.1	<0.1	0.1	60	0.36	0.107	5
BM11 JC496	Soil		0.8	13.4	10.6	92	0.1	10.8	7.3	1556	1.94	2.9	<0.5	0.7	36	0.3	0.1	0.2	46	0.48	0.148	5
BM11 JC497	Soil		0.4	16.7	6.0	41	<0.1	10.1	6.1	388	1.94	1.7	<0.5	1.0	53	<0.1	0.2	0.1	49	0.46	0.024	24
BM11 JC498	Soil		0.5	18.0	7.3	45	0.1	10.2	6.2	486	1.98	1.7	0.6	1.1	70	<0.1	0.3	0.1	49	0.51	0.029	26
BM11 JC499	Soil		0.5	17.8	6.7	46	0.1	10.3	6.2	528	2.02	1.6	<0.5	1.2	67	0.1	0.2	0.1	51	0.54	0.028	31
BM11 JC500	Soil		0.4	16.2	5.9	37	0.1	9.7	6.1	353	1.94	1.4	<0.5	1.1	58	<0.1	0.2	<0.1	48	0.47	0.018	22
BM11 S48	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC501	Soil		0.6	19.9	6.8	66	<0.1	11.7	8.5	1073	2.56	4.1	0.7	1.2	88	<0.1	0.3	<0.1	72	0.62	0.101	8
BM11 JC502	Soil		0.7	18.5	8.2	70	0.1	12.4	8.1	1469	2.52	4.2	1.0	1.1	93	0.1	0.3	0.1	73	0.69	0.084	7
BM11 JC503	Soil		0.7	17.5	11.2	95	0.2	10.3	7.5	2666	2.29	4.3	1.0	1.0	93	0.2	0.3	0.1	67	0.93	0.106	7
BM11 JC504	Soil		0.7	18.3	11.7	98	0.2	11.7	8.0	2884	2.37	3.7	1.6	1.1	96	0.2	0.3	0.1	66	0.98	0.113	7
BM11 JC505	Soil		0.6	18.1	11.1	93	0.2	10.8	7.6	2685	2.24	3.7	<0.5	1.0	90	0.2	0.3	0.1	63	0.89	0.109	7
BM11 JC506	Soil		0.7	18.4	11.2	95	0.2	11.3	8.0	2535	2.36	3.5	<0.5	1.1	96	0.3	0.3	<0.1	68	0.94	0.110	7
BM11 JC507	Soil		0.6	18.3	8.6	74	0.1	10.6	7.8	1634	2.46	4.0	1.3	1.2	90	0.1	0.3	0.2	72	0.71	0.082	7
BM11 JC508	Soil		0.7	18.3	7.8	73	0.1	11.9	8.2	1317	2.62	4.5	<0.5	1.2	89	<0.1	0.3	0.1	73	0.64	0.081	7
BM11 JC509	Soil		0.5	12.2	8.7	73	<0.1	9.8	5.5	377	1.88	2.0	<0.5	0.7	20	0.1	0.1	0.1	38	0.24	0.089	6
BM11 JC510	Soil		0.7	10.3	5.8	64	<0.1	6.9	6.0	810	2.09	2.8	1.1	0.8	55	<0.1	0.2	<0.1	59	0.36	0.069	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 4 of 8 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004114.1

Method	Analyte	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
BM11 JF574	Soil	24	0.38	99	0.130	1	1.46	0.016	0.10	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JF575	Soil	16	0.34	123	0.144	<1	1.30	0.017	0.12	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF576	Soil	16	0.30	129	0.105	<1	1.36	0.016	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF577	Soil	16	0.28	127	0.107	1	1.24	0.015	0.08	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF578	Soil	19	0.38	124	0.118	1	1.30	0.022	0.08	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
BM11 JF579	Soil	22	0.48	111	0.133	2	1.54	0.024	0.10	<0.1	0.01	5.2	<0.1	0.09	5	1.4	<0.2
BM11 JF580	Soil	22	0.46	129	0.104	1	1.67	0.020	0.09	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF581	Soil	16	0.28	109	0.095	1	1.59	0.012	0.06	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
BM11 JF582	Soil	14	0.23	94	0.087	1	1.38	0.011	0.05	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
BM11 JF583	Soil	14	0.24	98	0.091	1	1.39	0.012	0.05	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JF584	Soil	13	0.22	100	0.086	1	1.42	0.011	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	0.5	<0.2
BM11 JF585	Soil	14	0.24	102	0.083	1	1.45	0.012	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF586	Soil	14	0.27	114	0.091	3	1.53	0.024	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JF587	Soil	31	0.62	107	0.089	2	2.41	0.031	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
BM11 JC496	Soil	14	0.30	138	0.082	2	1.73	0.014	0.08	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
BM11 JC497	Soil	15	0.38	84	0.079	2	1.66	0.025	0.06	<0.1	0.04	5.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC498	Soil	16	0.39	102	0.099	3	1.54	0.025	0.06	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC499	Soil	17	0.39	101	0.100	2	1.65	0.024	0.06	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JC500	Soil	15	0.39	87	0.095	2	1.51	0.025	0.06	<0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
BM11 S48	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
BM11 JC501	Soil	21	0.43	141	0.136	2	1.34	0.022	0.15	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC502	Soil	20	0.44	145	0.143	3	1.27	0.025	0.16	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JC503	Soil	18	0.38	173	0.128	5	1.19	0.018	0.16	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC504	Soil	19	0.39	185	0.130	4	1.24	0.023	0.18	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JC505	Soil	18	0.38	176	0.125	4	1.17	0.017	0.17	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
BM11 JC506	Soil	19	0.39	179	0.131	3	1.19	0.019	0.17	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC507	Soil	19	0.43	150	0.136	2	1.23	0.016	0.15	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC508	Soil	21	0.43	141	0.138	3	1.26	0.030	0.15	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC509	Soil	11	0.31	93	0.062	1	2.55	0.014	0.08	<0.1	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
BM11 JC510	Soil	13	0.27	122	0.125	2	1.45	0.017	0.10	<0.1	0.02	2.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 5 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
BM11 JC511	Soil	0.7	9.2	6.0	62	<0.1	7.2	6.0	816	1.99	2.7	4.7	0.7	56	0.2	0.2	<0.1	56	0.35	0.063	5
BM11 JC512	Soil	0.3	9.4	5.3	53	<0.1	6.1	4.2	637	1.57	1.1	0.6	0.6	38	<0.1	0.1	<0.1	40	0.28	0.034	15
BM11 JC513	Soil	0.3	10.6	5.3	57	<0.1	7.1	4.6	566	1.65	1.5	66.1	0.7	43	<0.1	0.2	<0.1	43	0.32	0.033	15
BM11 JC514	Soil	0.4	10.4	5.3	55	<0.1	6.8	4.7	544	1.72	1.5	<0.5	0.6	42	<0.1	0.2	<0.1	43	0.33	0.029	13
BM11 JC515	Soil	0.3	10.1	5.5	56	<0.1	6.1	4.6	657	1.63	1.4	1.7	0.7	44	<0.1	0.2	<0.1	41	0.34	0.032	16
BM11 JC516	Soil	0.4	11.5	5.4	48	<0.1	7.9	5.2	476	1.93	2.0	0.9	0.8	40	<0.1	0.2	<0.1	49	0.31	0.027	10
BM11 JC517	Soil	0.4	12.1	5.3	45	<0.1	8.0	5.4	458	1.94	1.9	<0.5	0.9	41	<0.1	0.2	<0.1	51	0.32	0.024	9
BM11 JC518	Soil	0.3	12.0	5.6	49	<0.1	8.2	5.7	562	1.94	1.8	2.9	0.9	41	<0.1	0.1	<0.1	49	0.32	0.027	10
BM11 JC519	Soil	0.4	12.2	5.9	49	<0.1	7.7	5.8	670	2.00	2.3	1.6	0.9	46	<0.1	0.2	<0.1	52	0.33	0.030	12
BM11 JC520	Soil	0.3	9.0	4.7	43	<0.1	6.4	4.7	208	1.75	1.6	1.6	0.6	35	<0.1	0.1	<0.1	44	0.28	0.041	6
BM11 JC521	Soil	0.3	8.7	5.0	42	<0.1	6.4	4.5	213	1.68	1.6	<0.5	0.6	35	<0.1	0.1	<0.1	44	0.30	0.040	6
BM11 JC522	Soil	0.4	9.5	5.0	42	<0.1	6.7	4.5	220	1.74	1.6	<0.5	0.7	34	<0.1	0.1	<0.1	46	0.30	0.035	6
BM11 JC523	Soil	0.4	10.2	5.3	50	<0.1	8.1	4.9	242	1.89	2.1	<0.5	0.7	38	0.1	0.2	<0.1	50	0.32	0.032	8
BM11 JC524	Soil	0.6	9.9	5.8	60	<0.1	7.5	6.1	582	2.15	2.8	2.2	0.8	54	0.1	0.2	<0.1	60	0.33	0.064	5
BM11 JC525	Soil	0.8	10.2	5.9	59	<0.1	7.3	6.0	715	2.08	2.9	3.0	0.7	53	<0.1	0.2	<0.1	57	0.33	0.062	5
BM11 JC526	Soil	0.4	11.6	6.4	85	<0.1	9.1	6.2	692	1.99	2.4	2.0	0.9	31	0.1	0.1	<0.1	49	0.27	0.065	6
BM11 JC527	Soil	0.5	11.4	6.3	85	<0.1	9.7	6.3	684	1.95	2.3	7.3	0.9	30	<0.1	0.2	<0.1	47	0.27	0.063	6
BM11 JC528	Soil	0.4	12.1	6.6	85	<0.1	9.2	6.4	668	2.02	2.4	<0.5	1.0	31	0.1	0.1	<0.1	50	0.27	0.068	6
BM11 JC529	Soil	0.5	11.3	6.0	78	<0.1	9.2	5.7	609	1.90	2.1	1.3	0.8	29	0.1	0.1	0.1	48	0.25	0.062	6
BM11 JC530	Soil	0.4	9.9	4.9	75	<0.1	11.1	5.1	254	1.59	2.7	0.7	1.0	29	0.1	0.1	0.1	37	0.27	0.195	5
BM11 JC531	Soil	0.4	9.8	4.8	76	<0.1	10.9	5.0	272	1.58	2.6	0.8	1.0	29	0.1	0.1	<0.1	38	0.27	0.177	5
BM11 JC532	Soil	0.4	9.7	5.0	77	<0.1	10.7	5.1	318	1.56	2.7	0.9	0.9	33	0.1	0.1	<0.1	38	0.30	0.184	5
BM11 JC533	Soil	0.4	10.5	5.1	80	<0.1	11.9	5.2	317	1.67	2.9	<0.5	1.0	34	0.2	0.1	<0.1	40	0.32	0.191	5
BM11 JC534	Soil	0.4	11.8	5.0	81	<0.1	12.4	5.5	280	1.74	3.0	<0.5	1.1	31	0.1	0.1	<0.1	42	0.29	0.180	5
BM11 JC535	Soil	0.4	12.1	5.0	82	<0.1	12.9	5.4	288	1.70	2.9	<0.5	1.1	31	0.1	0.1	<0.1	41	0.28	0.172	5
BM11 JC536	Soil	0.4	12.1	5.4	86	<0.1	13.0	5.7	335	1.81	3.0	<0.5	1.1	35	0.1	0.1	<0.1	43	0.33	0.183	5
EB11-223	Soil	0.6	15.5	6.1	39	0.1	9.2	5.4	313	2.12	4.8	26.7	1.3	42	<0.1	0.3	<0.1	53	0.43	0.042	11
EB11-224	Soil	0.9	22.0	6.9	49	0.2	11.9	9.0	957	2.55	7.0	12.1	1.5	68	<0.1	0.4	<0.1	64	0.69	0.060	15
EB11-225	Soil	0.6	13.3	4.8	49	<0.1	8.7	5.6	308	2.26	3.9	4.2	1.0	35	<0.1	0.3	<0.1	64	0.31	0.041	9
EB11-226	Soil	0.7	14.6	5.7	44	<0.1	6.7	5.3	406	2.11	5.3	6.0	1.2	35	<0.1	0.4	<0.1	55	0.37	0.038	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004114.1

Method	Analyte	Unit	MDL	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		
				1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5		
BM11 JC511	Soil			12	0.26	122	0.116	1	1.37	0.012	0.09	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC512	Soil			11	0.23	91	0.079	2	1.18	0.016	0.07	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JC513	Soil			11	0.24	96	0.097	2	1.19	0.014	0.08	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC514	Soil			12	0.25	98	0.098	<1	1.24	0.019	0.08	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JC515	Soil			11	0.24	102	0.089	1	1.23	0.014	0.08	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM11 JC516	Soil			13	0.31	92	0.093	<1	1.44	0.018	0.07	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JC517	Soil			15	0.33	89	0.105	1	1.39	0.017	0.07	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JC518	Soil			14	0.31	97	0.096	1	1.44	0.019	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
BM11 JC519	Soil			14	0.33	100	0.103	2	1.39	0.016	0.07	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
BM11 JC520	Soil			11	0.25	89	0.087	1	1.13	0.013	0.09	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
BM11 JC521	Soil			12	0.24	94	0.080	1	1.16	0.013	0.09	<0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
BM11 JC522	Soil			11	0.24	90	0.082	<1	1.13	0.013	0.08	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11 JC523	Soil			13	0.29	99	0.092	1	1.30	0.013	0.09	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM11 JC524	Soil			13	0.28	120	0.125	1	1.55	0.014	0.09	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
BM11 JC525	Soil			12	0.27	115	0.117	1	1.45	0.018	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	0.5	<0.2
BM11 JC526	Soil			15	0.28	122	0.088	1	1.68	0.014	0.10	<0.1	0.02	2.9	<0.1	<0.05	5	0.7	<0.2
BM11 JC527	Soil			15	0.28	117	0.091	2	1.70	0.013	0.09	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
BM11 JC528	Soil			15	0.29	122	0.087	1	1.73	0.012	0.09	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC529	Soil			14	0.27	115	0.086	2	1.63	0.013	0.08	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC530	Soil			12	0.20	123	0.085	2	1.50	0.015	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC531	Soil			12	0.20	124	0.078	1	1.43	0.014	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC532	Soil			12	0.20	124	0.080	2	1.41	0.016	0.08	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
BM11 JC533	Soil			13	0.22	134	0.087	2	1.54	0.019	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC534	Soil			14	0.23	126	0.081	2	1.55	0.014	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
BM11 JC535	Soil			14	0.23	127	0.088	2	1.57	0.016	0.08	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JC536	Soil			14	0.24	135	0.095	2	1.64	0.017	0.09	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
EB11-223	Soil			17	0.40	147	0.080	2	1.46	0.020	0.11	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
EB11-224	Soil			18	0.43	259	0.068	2	1.53	0.028	0.12	<0.1	0.05	5.2	<0.1	<0.05	4	<0.5	<0.2
EB11-225	Soil			17	0.31	122	0.096	1	1.11	0.018	0.08	<0.1	<0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
EB11-226	Soil			13	0.32	118	0.080	2	1.09	0.017	0.11	<0.1	0.02	3.1	<0.1	<0.05	3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
EB11-227	Soil	0.8	13.6	5.4	45	0.1	7.3	5.1	403	2.12	4.2	26.6	1.1	37	<0.1	0.3	<0.1	59	0.33	0.026	13
EB11-228	Soil	1.0	18.9	6.1	50	0.1	8.2	6.0	703	2.00	4.0	8.2	0.9	47	0.2	0.3	<0.1	53	0.49	0.035	16
EB11-229	Soil	0.9	15.4	5.9	48	0.1	7.2	5.6	519	2.19	4.8	8.7	1.3	41	0.1	0.4	<0.1	56	0.36	0.037	14
EB11-230	Soil	0.8	22.0	7.7	73	0.2	11.3	7.7	816	2.46	4.3	10.0	1.4	62	0.2	0.3	0.1	49	0.67	0.046	19
EB11-231	Soil	0.4	11.1	4.7	62	<0.1	7.4	4.7	354	2.05	2.6	1.3	0.9	27	<0.1	0.2	<0.1	57	0.30	0.059	5
EB11-232	Soil	0.5	10.0	4.2	56	<0.1	5.7	4.1	511	1.89	2.5	0.6	0.7	27	<0.1	0.2	<0.1	57	0.34	0.073	5
EB11-233	Soil	0.6	10.4	4.7	63	<0.1	5.3	4.3	877	1.79	2.6	20.8	0.7	32	0.2	0.2	0.2	54	0.37	0.079	5
EB11-234	Soil	0.8	17.4	5.5	54	0.2	10.7	6.5	495	2.36	4.8	6.3	0.9	48	0.1	0.3	0.1	58	0.47	0.050	10
EB11-235	Soil	0.8	25.6	5.8	62	0.2	14.6	9.2	723	2.52	3.4	2.5	1.1	55	0.2	0.2	0.1	57	0.80	0.032	15
EB11-236	Soil	0.8	14.5	4.6	47	0.1	9.5	6.2	274	2.52	3.6	11.3	1.0	35	<0.1	0.3	<0.1	71	0.32	0.031	8
EB11-237	Soil	0.9	20.5	6.1	47	<0.1	9.1	7.4	614	2.57	5.5	5.8	1.3	51	0.1	0.4	<0.1	70	0.53	0.048	14
EB11-238	Soil	0.6	17.3	5.0	44	<0.1	8.7	6.5	481	2.44	5.6	8.1	1.3	61	<0.1	0.4	<0.1	65	0.60	0.067	12
EB11-239	Soil	0.6	19.9	5.5	59	0.1	9.5	6.7	538	2.36	3.8	2.2	1.0	38	0.1	0.3	<0.1	61	0.37	0.066	12
EB11-240	Soil	0.9	16.7	6.2	47	<0.1	8.2	6.9	722	2.11	3.5	1.0	0.9	51	0.2	0.3	<0.1	54	0.53	0.035	13
EB11-241	Soil	0.6	25.2	5.1	59	0.1	14.0	8.7	631	2.63	3.2	1.8	1.0	49	<0.1	0.2	<0.1	72	0.53	0.034	13
EB11-242	Soil	0.7	17.9	6.0	54	0.1	8.1	6.3	780	1.90	2.1	1.1	0.8	53	0.2	0.2	<0.1	49	0.57	0.033	12
EB11-243	Soil	0.8	21.0	6.3	50	<0.1	9.1	7.7	774	2.21	2.7	1.0	1.1	53	0.2	0.2	<0.1	56	0.75	0.030	12
EB11-244	Soil	0.6	13.1	5.8	46	<0.1	6.7	4.5	279	2.11	3.9	8.3	1.2	29	<0.1	0.3	<0.1	52	0.28	0.039	11
EB11-245	Soil	0.8	16.7	5.0	50	<0.1	10.0	5.9	385	2.40	4.0	1.7	1.3	31	<0.1	0.2	<0.1	56	0.33	0.048	12
EB11-246	Soil	0.9	19.5	6.2	53	0.1	9.1	6.4	498	2.48	4.6	2.3	1.1	37	<0.1	0.2	<0.1	52	0.44	0.044	12
EB11-246D	Soil	1.0	17.7	8.9	93	0.1	7.7	8.5	1525	2.41	5.5	3.5	0.7	32	0.3	0.2	<0.1	54	0.52	0.137	12
EB11-247	Soil	1.0	17.9	6.2	48	<0.1	8.8	7.1	569	2.28	6.5	2.6	1.0	30	<0.1	0.2	<0.1	43	0.39	0.048	13
EB11-248	Soil	1.4	15.1	5.4	43	<0.1	7.1	6.5	537	2.19	5.8	3.7	1.1	37	<0.1	0.3	<0.1	50	0.40	0.052	11
EB11-249	Soil	0.8	17.6	6.4	46	<0.1	9.2	7.5	564	2.39	5.9	7.2	1.6	61	<0.1	0.5	<0.1	53	0.58	0.046	13
EB11-250	Soil	0.9	23.4	6.6	46	<0.1	11.5	8.4	591	2.30	4.6	4.9	1.3	56	0.1	0.3	0.2	56	0.61	0.053	12
BM11 S50	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.
EB11-251	Soil	1.0	21.1	6.3	49	0.1	11.0	8.4	605	2.48	6.2	8.5	1.4	52	<0.1	0.4	0.2	57	0.52	0.054	13
EB11-252	Soil	0.9	21.9	7.0	47	<0.1	10.0	7.7	575	2.58	5.2	6.1	1.5	49	<0.1	0.4	0.1	62	0.51	0.063	13
EB11-253	Soil	0.8	22.6	7.2	48	0.1	9.8	7.4	477	2.48	5.3	12.0	1.6	52	<0.1	0.5	0.1	60	0.54	0.051	15
EB11-254	Soil	0.8	22.5	7.8	49	<0.1	10.7	8.3	552	2.42	4.4	3.6	1.2	46	0.1	0.4	<0.1	64	0.51	0.064	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 6 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
EB11-227	Soil	15	0.24	147	0.091	2	1.16	0.017	0.11	<0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
EB11-228	Soil	14	0.24	172	0.074	2	1.24	0.014	0.13	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
EB11-229	Soil	14	0.26	141	0.080	2	1.07	0.016	0.12	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
EB11-230	Soil	18	0.30	224	0.050	2	2.00	0.014	0.16	<0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
EB11-231	Soil	14	0.23	194	0.088	1	1.33	0.015	0.10	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
EB11-232	Soil	13	0.19	207	0.083	2	0.97	0.013	0.09	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
EB11-233	Soil	10	0.19	253	0.069	1	0.90	0.012	0.07	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
EB11-234	Soil	18	0.36	178	0.084	2	1.29	0.014	0.14	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
EB11-235	Soil	24	0.46	199	0.087	2	1.94	0.020	0.13	<0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
EB11-236	Soil	19	0.31	126	0.106	1	1.37	0.016	0.08	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
EB11-237	Soil	18	0.37	157	0.092	2	1.39	0.016	0.15	<0.1	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
EB11-238	Soil	17	0.35	150	0.093	1	1.08	0.029	0.09	<0.1	0.03	4.0	<0.1	<0.05	3	<0.5	<0.2
EB11-239	Soil	19	0.29	169	0.094	1	1.52	0.014	0.15	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
EB11-240	Soil	15	0.26	166	0.079	2	1.21	0.012	0.19	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
EB11-241	Soil	25	0.41	179	0.116	2	1.72	0.017	0.16	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
EB11-242	Soil	15	0.26	190	0.080	2	1.46	0.015	0.13	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
EB11-243	Soil	16	0.30	169	0.089	2	1.45	0.019	0.18	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
EB11-244	Soil	13	0.23	112	0.078	1	0.90	0.015	0.12	<0.1	0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
EB11-245	Soil	17	0.33	104	0.077	2	1.07	0.018	0.15	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
EB11-246	Soil	15	0.36	172	0.065	2	1.26	0.024	0.13	<0.1	0.01	3.2	<0.1	<0.05	4	<0.5	<0.2
EB11-246D	Soil	15	0.26	253	0.067	2	1.69	0.009	0.11	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
EB11-247	Soil	15	0.40	127	0.046	<1	1.17	0.014	0.12	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
EB11-248	Soil	12	0.31	128	0.059	1	0.85	0.020	0.08	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
EB11-249	Soil	16	0.34	155	0.061	1	1.37	0.023	0.13	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
EB11-250	Soil	18	0.45	140	0.067	2	1.19	0.023	0.11	0.1	0.01	3.5	<0.1	0.09	4	<0.5	<0.2
BM11 S50	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.
EB11-251	Soil	19	0.40	154	0.062	2	1.38	0.020	0.12	<0.1	0.04	4.0	<0.1	0.06	4	<0.5	<0.2
EB11-252	Soil	18	0.41	160	0.059	2	1.37	0.029	0.11	<0.1	0.02	4.3	<0.1	0.05	4	<0.5	<0.2
EB11-253	Soil	17	0.41	161	0.059	2	1.42	0.022	0.14	<0.1	0.03	4.7	<0.1	0.05	4	<0.5	<0.2
EB11-254	Soil	16	0.46	131	0.075	2	1.15	0.029	0.12	0.1	0.02	3.7	<0.1	0.08	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	0.1	2	0.01	0.001	1
EB11-255	Soil	1.3	13.3	7.0	117	<0.1	6.6	4.6	1561	1.33	1.6	2.2	0.8	47	0.3	0.2	0.1	32	0.52	0.103	7
EB11-256	Soil	1.0	11.0	6.4	65	0.1	6.9	5.7	812	1.71	1.8	300.0	0.9	36	0.2	0.3	<0.1	45	0.34	0.039	9
EB11-257	Soil	0.6	12.7	4.6	37	<0.1	6.5	6.0	339	2.41	6.5	4.2	1.2	31	<0.1	0.4	<0.1	65	0.36	0.063	9
EB11-258	Soil	0.7	18.3	5.0	36	<0.1	6.9	6.2	418	2.34	6.9	11.0	1.3	50	<0.1	0.4	<0.1	64	0.50	0.058	12
EB11-259	Soil	0.8	20.1	5.5	44	<0.1	8.6	7.0	393	2.64	5.8	4.3	1.3	34	<0.1	0.4	<0.1	69	0.36	0.050	14
EB11-260	Soil	0.8	14.3	5.1	37	<0.1	6.8	5.6	331	2.36	4.5	2.5	1.3	41	<0.1	0.4	<0.1	68	0.37	0.035	10
EB11-261	Soil	0.9	19.6	6.2	47	<0.1	9.6	8.0	683	2.50	5.7	4.8	1.4	44	<0.1	0.4	<0.1	68	0.51	0.066	18
EB11-262	Soil	0.9	13.4	4.7	38	0.1	7.7	5.6	292	2.29	4.1	4.7	1.2	29	<0.1	0.4	<0.1	60	0.35	0.020	10
EB11-263	Soil	0.6	9.9	5.5	57	0.1	7.0	4.6	354	1.80	2.7	2.8	0.8	23	<0.1	0.2	<0.1	45	0.24	0.056	7
EB11-264	Soil	0.8	16.1	5.3	44	<0.1	7.9	5.7	242	2.31	3.8	2.3	1.4	27	<0.1	0.4	<0.1	56	0.25	0.035	9
EB11-265	Soil	0.7	12.1	5.9	57	0.1	7.7	5.3	499	1.82	2.8	1.8	0.9	22	<0.1	0.2	<0.1	43	0.22	0.074	7
EB11-266	Soil	0.8	15.2	5.3	45	<0.1	7.6	5.6	310	2.36	4.6	9.8	1.1	30	<0.1	0.4	<0.1	61	0.28	0.042	10
EB11-267	Soil	1.7	16.8	5.7	38	<0.1	11.3	7.9	387	2.37	3.9	2.5	1.4	55	<0.1	0.3	<0.1	62	0.55	0.038	9
EB11-268	Soil	2.1	26.1	6.4	44	<0.1	18.1	10.0	491	3.02	4.7	3.0	1.7	78	<0.1	0.3	<0.1	80	0.83	0.060	13
EB11-269	Soil	0.6	30.2	6.7	53	<0.1	19.0	8.3	528	2.56	2.4	1.3	1.2	75	<0.1	0.2	<0.1	62	0.59	0.047	30
EB11-270	Soil	0.8	28.1	5.0	53	<0.1	16.8	10.1	424	3.21	5.2	1.2	1.4	46	<0.1	0.4	<0.1	86	0.37	0.051	8
EB11-271	Soil	0.6	14.7	6.1	54	<0.1	8.3	7.5	470	2.29	4.7	1.7	1.1	69	<0.1	0.2	<0.1	63	0.44	0.068	11
EB11-272	Soil	0.5	12.7	5.6	43	<0.1	7.9	6.4	434	1.97	2.2	1.5	0.9	58	<0.1	0.3	<0.1	56	0.42	0.021	14
EB11-273	Soil	0.7	14.6	5.8	38	<0.1	7.9	7.1	451	2.40	4.5	2.7	1.4	52	<0.1	0.3	<0.1	73	0.44	0.025	12
EB11-274	Soil	0.9	17.1	6.0	43	<0.1	9.6	7.3	489	2.68	5.8	6.2	1.2	45	<0.1	0.4	<0.1	67	0.42	0.049	13
EB11-275	Soil	0.8	14.5	5.8	43	<0.1	8.3	6.3	486	2.44	5.0	3.4	1.1	47	<0.1	0.3	<0.1	69	0.40	0.038	12
EB11-276	Soil	0.6	10.9	5.3	48	<0.1	7.8	5.3	329	1.85	2.8	2.3	0.9	21	<0.1	0.2	<0.1	48	0.24	0.082	6
EB11-277	Soil	0.7	14.9	4.8	34	<0.1	7.6	5.9	304	2.26	3.6	34.6	1.2	49	<0.1	0.3	<0.1	61	0.39	0.028	11
EB11-278	Soil	6.2	13.4	5.5	35	<0.1	6.9	9.7	295	3.99	13.8	1.7	1.5	31	<0.1	0.2	0.2	112	0.52	0.031	14
EB11-279	Soil	0.5	15.8	5.1	54	0.2	9.2	6.9	350	2.46	3.0	1.9	1.3	34	<0.1	0.2	0.1	67	0.33	0.022	10
EB11-280	Soil	0.8	22.3	5.8	60	0.1	13.5	8.8	388	2.73	4.4	8.1	1.1	30	<0.1	0.3	<0.1	68	0.31	0.061	10
EB11-281	Soil	0.7	24.7	7.9	47	0.1	8.7	7.9	626	2.77	8.7	7.3	1.8	47	<0.1	0.8	<0.1	58	0.45	0.036	18
EB11-282	Soil	0.8	23.9	5.8	46	<0.1	10.4	8.2	609	2.61	6.1	6.1	1.3	53	<0.1	0.5	<0.1	65	0.64	0.058	13
EB11-283	Soil	0.9	30.3	7.6	57	<0.1	11.4	11.2	873	3.25	11.1	3.0	1.6	124	<0.1	0.4	<0.1	80	0.92	0.070	14
EB11-284	Soil	0.8	20.0	5.4	43	0.2	10.9	6.7	340	2.58	3.7	3.7	1.5	34	<0.1	0.3	<0.1	64	0.50	0.017	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 7 of 8 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004114.1

Method	Analyte	Unit	MDL	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		
				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	
EB11-255	Soil			9	0.16	337	0.066	2	1.22	0.014	0.11	<0.1	0.02	1.9	<0.1	0.08	4	<0.5	<0.2
EB11-256	Soil			12	0.17	198	0.083	1	0.94	0.011	0.15	<0.1	0.02	2.2	<0.1	0.06	3	<0.5	<0.2
EB11-257	Soil			13	0.30	65	0.076	1	0.99	0.019	0.06	<0.1	0.02	3.1	<0.1	0.05	3	<0.5	<0.2
EB11-258	Soil			14	0.32	72	0.082	2	1.16	0.022	0.06	<0.1	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
EB11-259	Soil			16	0.39	119	0.088	<1	1.35	0.017	0.07	<0.1	0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
EB11-260	Soil			14	0.33	85	0.097	1	0.97	0.024	0.07	<0.1	0.01	3.7	<0.1	<0.05	3	<0.5	<0.2
EB11-261	Soil			17	0.40	118	0.090	2	1.36	0.016	0.10	<0.1	0.04	5.1	<0.1	<0.05	4	<0.5	<0.2
EB11-262	Soil			15	0.29	84	0.090	1	1.14	0.018	0.05	<0.1	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
EB11-263	Soil			11	0.23	130	0.071	1	1.23	0.012	0.07	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
EB11-264	Soil			14	0.33	136	0.082	<1	1.32	0.011	0.07	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
EB11-265	Soil			11	0.23	147	0.059	<1	1.41	0.013	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
EB11-266	Soil			15	0.32	114	0.083	1	1.06	0.011	0.07	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
EB11-267	Soil			20	0.56	94	0.115	2	1.50	0.034	0.08	<0.1	0.03	4.4	<0.1	0.06	5	<0.5	<0.2
EB11-268	Soil			30	0.71	151	0.132	2	2.09	0.039	0.10	<0.1	0.03	6.9	<0.1	0.07	7	<0.5	<0.2
EB11-269	Soil			24	0.63	165	0.099	1	2.45	0.026	0.11	<0.1	0.03	6.4	<0.1	0.08	8	<0.5	<0.2
EB11-270	Soil			26	0.59	151	0.095	<1	1.85	0.015	0.08	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
EB11-271	Soil			14	0.42	100	0.135	<1	1.81	0.019	0.09	<0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
EB11-272	Soil			14	0.34	97	0.132	1	1.33	0.024	0.09	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
EB11-273	Soil			16	0.37	87	0.108	1	1.30	0.019	0.07	<0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
EB11-274	Soil			17	0.42	125	0.097	1	1.34	0.019	0.07	<0.1	0.02	3.9	<0.1	0.05	4	<0.5	<0.2
EB11-275	Soil			16	0.35	92	0.100	1	1.21	0.020	0.07	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
EB11-276	Soil			13	0.25	111	0.078	1	1.37	0.014	0.06	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
EB11-277	Soil			16	0.36	101	0.100	<1	1.04	0.018	0.05	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
EB11-278	Soil			11	0.53	64	0.079	<1	1.55	0.019	0.07	<0.1	0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
EB11-279	Soil			16	0.36	140	0.104	<1	1.42	0.019	0.06	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2
EB11-280	Soil			20	0.48	150	0.101	<1	1.83	0.015	0.08	<0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
EB11-281	Soil			16	0.37	142	0.046	2	1.40	0.019	0.14	<0.1	0.04	5.3	<0.1	<0.05	4	<0.5	<0.2
EB11-282	Soil			18	0.45	164	0.082	1	1.38	0.026	0.09	<0.1	0.03	4.8	<0.1	<0.05	4	<0.5	<0.2
EB11-283	Soil			19	0.68	151	0.104	2	2.12	0.038	0.10	<0.1	0.10	6.8	<0.1	<0.05	7	<0.5	<0.2
EB11-284	Soil			20	0.33	116	0.095	1	1.90	0.021	0.07	<0.1	0.03	4.6	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 8 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004114.1

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	
EB11-285	Soil	0.6	17.0	5.9	45	0.1	9.5	6.3	505	1.89	2.5	1.6	0.7	36	0.2	0.2	0.1	52	0.76	0.029	11
EB11-286	Soil	0.5	14.3	4.6	41	<0.1	9.6	7.6	516	2.15	2.7	2.8	1.0	33	<0.1	0.2	<0.1	71	0.36	0.021	10
EB11-287	Soil	0.8	16.1	5.0	41	<0.1	9.2	6.8	308	2.54	3.9	3.0	1.4	30	<0.1	0.4	<0.1	72	0.34	0.016	9
EB11-288	Soil	0.7	18.1	6.0	40	<0.1	7.9	6.3	458	2.36	6.3	4.6	1.5	50	<0.1	0.5	<0.1	57	0.45	0.053	12
EB11-289	Soil	0.6	21.5	7.8	43	<0.1	8.4	7.4	695	2.39	8.6	7.3	1.9	58	<0.1	0.7	0.1	50	0.52	0.053	18
EB11-290	Soil	0.7	14.3	5.3	47	<0.1	8.5	5.7	307	2.30	4.2	13.9	1.1	22	<0.1	0.3	<0.1	60	0.28	0.073	8
EB11-291	Soil	0.6	14.6	4.8	40	<0.1	8.9	5.5	244	2.29	2.6	105.0	1.0	26	<0.1	0.3	<0.1	71	0.27	0.043	6
EB11-292	Soil	0.5	24.0	6.3	52	<0.1	12.5	7.8	595	2.43	4.2	6.4	1.6	56	0.1	0.5	<0.1	58	0.55	0.052	12
EB11-293	Soil	0.6	14.7	6.9	59	<0.1	13.6	7.5	518	2.48	3.7	1.8	1.3	98	<0.1	0.2	<0.1	60	0.55	0.051	13
EB11-294	Soil	0.7	18.5	7.6	55	<0.1	12.3	9.6	1551	2.49	4.0	1.9	1.1	84	<0.1	0.3	<0.1	65	0.60	0.062	14
EB11-295	Soil	0.7	18.7	7.2	56	<0.1	12.9	9.9	1691	2.56	4.6	1.3	1.1	86	<0.1	0.2	<0.1	70	0.64	0.066	15
EB11-296	Soil	0.4	14.8	4.5	53	<0.1	11.3	6.9	511	2.35	3.8	5.6	1.1	103	<0.1	0.2	<0.1	67	0.65	0.075	13
EB11-297	Soil	1.0	24.1	6.1	55	<0.1	11.4	8.1	514	2.53	4.0	1.4	0.9	53	0.1	0.2	<0.1	65	0.53	0.043	10
EB11-298	Soil	0.5	15.3	6.1	60	<0.1	13.4	7.7	622	2.57	4.3	0.7	1.2	95	<0.1	0.2	<0.1	63	0.59	0.056	14
EB11-299	Soil	0.9	20.1	7.0	69	0.1	11.8	8.0	552	2.66	3.6	<0.5	0.8	55	0.1	0.2	0.1	61	0.51	0.058	21
EB11-300	Soil	0.9	27.6	8.2	64	0.2	19.7	13.8	944	3.04	7.1	3.1	0.9	73	0.2	0.2	<0.1	86	1.05	0.055	19
EB11-301	Soil	0.7	16.4	7.1	62	<0.1	11.1	8.4	803	2.82	5.0	1.4	1.4	97	<0.1	0.2	<0.1	69	0.75	0.069	16
EB11-302	Soil	0.6	14.2	7.3	61	<0.1	17.6	8.6	626	2.60	3.4	0.6	1.3	113	<0.1	0.2	<0.1	61	0.66	0.064	18
EB11-303	Soil	0.7	15.9	6.8	53	<0.1	17.0	10.6	934	2.61	3.9	0.9	1.4	104	0.1	0.2	<0.1	71	0.66	0.052	24
EB11-304	Soil	0.6	26.4	5.7	57	<0.1	23.5	13.3	1011	3.35	5.2	1.6	1.5	156	0.1	0.3	<0.1	81	0.94	0.083	15
EB11-305	Soil	0.6	25.2	6.0	57	<0.1	14.7	9.6	645	3.01	5.7	1.6	1.5	93	<0.1	0.3	<0.1	75	0.72	0.068	17
EB11-306	Soil	1.0	24.2	6.7	56	<0.1	9.7	8.8	706	3.04	7.8	2.3	1.6	142	<0.1	0.4	<0.1	73	0.93	0.068	15
EB11-307	Soil	0.8	20.5	7.0	52	<0.1	8.0	8.9	676	2.93	7.8	3.2	1.4	102	<0.1	0.4	<0.1	76	0.76	0.060	13
EB11-308	Soil	0.9	12.6	12.2	51	<0.1	4.8	12.2	2550	3.26	3.9	1.1	0.8	200	0.3	0.3	<0.1	53	1.54	0.095	18
EB11-309	Soil	0.6	22.6	6.9	60	<0.1	8.8	8.9	618	3.01	7.9	1.8	1.5	118	<0.1	0.4	<0.1	79	0.82	0.069	13
EB11-310	Soil	0.5	15.2	4.2	63	<0.1	6.6	6.9	546	2.75	3.3	<0.5	1.8	69	<0.1	0.1	<0.1	53	0.64	0.078	14
EB11-311	Soil	0.9	19.5	6.3	52	<0.1	9.5	8.8	848	2.74	6.9	2.5	1.4	138	<0.1	0.4	<0.1	74	0.83	0.079	14
EB11-112D	Soil	1.1	22.7	6.6	53	0.1	11.6	9.5	695	2.82	7.4	13.2	1.6	61	0.1	0.4	<0.1	61	0.62	0.063	14



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 8 of 8 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004114.1

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	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	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	
EB11-285	Soil	16	0.31	145	0.076	3	1.49	0.016	0.09	<0.1	0.04	2.5	<0.1	0.11	4	<0.5	<0.2
EB11-286	Soil	20	0.41	112	0.103	2	1.15	0.023	0.08	<0.1	0.03	3.4	<0.1	0.06	4	<0.5	<0.2
EB11-287	Soil	19	0.35	96	0.109	1	1.09	0.024	0.09	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
EB11-288	Soil	14	0.34	145	0.059	2	1.04	0.034	0.08	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
EB11-289	Soil	13	0.36	202	0.033	2	1.23	0.022	0.09	0.1	0.05	4.3	<0.1	<0.05	3	<0.5	<0.2
EB11-290	Soil	16	0.32	114	0.079	1	1.45	0.014	0.08	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
EB11-291	Soil	16	0.31	66	0.079	2	0.92	0.023	0.08	<0.1	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
EB11-292	Soil	21	0.45	140	0.056	1	1.32	0.020	0.14	<0.1	0.03	4.6	<0.1	<0.05	4	0.5	<0.2
EB11-293	Soil	18	0.54	144	0.092	1	1.85	0.046	0.08	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
EB11-294	Soil	18	0.49	136	0.102	2	1.69	0.029	0.08	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
EB11-295	Soil	19	0.50	134	0.117	<1	1.84	0.029	0.09	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
EB11-296	Soil	18	0.44	107	0.126	<1	1.35	0.041	0.05	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
EB11-297	Soil	18	0.50	88	0.123	1	1.97	0.020	0.05	<0.1	0.04	4.3	<0.1	<0.05	7	<0.5	<0.2
EB11-298	Soil	20	0.51	131	0.087	<1	1.63	0.041	0.08	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
EB11-299	Soil	19	0.47	115	0.094	1	2.90	0.018	0.07	0.1	0.03	4.9	<0.1	<0.05	9	<0.5	<0.2
EB11-300	Soil	36	0.84	103	0.124	2	2.82	0.029	0.07	<0.1	0.03	6.1	<0.1	0.06	9	0.5	<0.2
EB11-301	Soil	18	0.57	130	0.115	1	2.23	0.039	0.07	<0.1	0.04	6.1	<0.1	<0.05	7	<0.5	<0.2
EB11-302	Soil	18	0.70	166	0.101	1	1.97	0.044	0.10	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
EB11-303	Soil	24	0.66	152	0.124	1	1.79	0.031	0.09	<0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
EB11-304	Soil	27	0.90	205	0.105	1	2.17	0.056	0.09	<0.1	0.03	7.5	<0.1	<0.05	6	<0.5	<0.2
EB11-305	Soil	21	0.62	197	0.088	1	1.84	0.037	0.10	<0.1	0.04	6.5	<0.1	<0.05	6	<0.5	<0.2
EB11-306	Soil	17	0.63	155	0.115	1	2.05	0.058	0.07	<0.1	0.08	6.7	<0.1	<0.05	7	<0.5	<0.2
EB11-307	Soil	15	0.52	135	0.123	<1	1.77	0.042	0.07	<0.1	0.06	5.8	<0.1	<0.05	6	<0.5	<0.2
EB11-308	Soil	6	0.70	183	0.018	<1	3.15	0.031	0.11	<0.1	0.05	7.5	0.1	<0.05	11	<0.5	<0.2
EB11-309	Soil	16	0.59	143	0.140	1	1.94	0.041	0.09	<0.1	0.05	6.0	<0.1	<0.05	7	<0.5	<0.2
EB11-310	Soil	11	0.74	204	0.033	<1	3.34	0.047	0.05	<0.1	0.02	5.9	<0.1	<0.05	10	<0.5	<0.2
EB11-311	Soil	16	0.54	258	0.137	2	1.65	0.041	0.09	<0.1	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
EB11-112D	Soil	21	0.46	177	0.064	1	1.54	0.023	0.13	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere

**Report Date:** September 30, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11004114.1

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																					
BM11 JT428	Soil	0.4	16.8	4.6	47	<0.1	12.7	6.5	328	2.20	3.1	1.0	1.0	128	<0.1	0.2	<0.1	58	0.55	0.039	10
REP BM11 JT428	QC	0.4	16.8	4.8	47	<0.1	12.6	6.7	325	2.16	3.5	19.6	1.0	128	<0.1	0.2	<0.1	59	0.56	0.040	9
BM11 JT454	Soil	0.3	8.8	3.9	52	<0.1	6.8	4.7	338	1.66	2.0	<0.5	0.7	28	<0.1	0.1	<0.1	40	0.23	0.104	4
REP BM11 JT454	QC	0.4	8.9	3.9	52	<0.1	7.0	4.6	343	1.67	1.9	<0.5	0.7	28	<0.1	0.1	<0.1	41	0.24	0.102	4
BM11 JF562	Soil	0.6	8.2	5.6	57	<0.1	11.9	5.8	423	1.52	1.7	<0.5	0.9	31	<0.1	0.1	<0.1	48	0.23	0.065	4
REP BM11 JF562	QC	0.6	8.4	6.0	58	<0.1	11.7	5.9	492	1.74	2.1	0.8	0.9	34	<0.1	0.1	<0.1	47	0.23	0.077	5
BM11 JF565	Soil	0.5	9.9	5.9	59	<0.1	13.0	6.5	301	1.67	2.1	<0.5	1.0	35	<0.1	0.1	<0.1	51	0.24	0.066	5
REP BM11 JF565	QC	0.5	10.1	5.7	58	<0.1	13.1	6.9	316	1.77	1.9	<0.5	1.0	34	0.1	0.1	<0.1	51	0.24	0.073	5
BM11 JF568	Soil	0.6	11.1	6.5	57	<0.1	17.4	6.8	785	1.77	2.4	<0.5	0.9	66	<0.1	0.2	<0.1	54	0.44	0.113	6
REP BM11 JF568	QC	0.6	11.3	6.7	58	<0.1	16.8	6.9	905	1.90	2.0	<0.5	0.8	69	<0.1	0.1	<0.1	51	0.42	0.121	6
BM11 JF581	Soil	0.4	13.3	5.2	55	<0.1	10.1	5.9	285	2.10	3.1	0.7	0.9	40	0.1	0.2	<0.1	60	0.24	0.078	5
REP BM11 JF581	QC	0.6	13.4	4.9	57	<0.1	10.0	5.8	265	1.87	2.7	1.5	0.8	38	<0.1	0.2	<0.1	55	0.23	0.071	5
BM11 JC499	Soil	0.5	17.8	6.7	46	0.1	10.3	6.2	528	2.02	1.6	<0.5	1.2	67	0.1	0.2	0.1	51	0.54	0.028	31
REP BM11 JC499	QC	0.5	17.6	7.0	47	0.2	10.7	6.3	531	2.00	1.8	<0.5	1.2	67	0.1	0.2	0.1	51	0.53	0.028	31
BM11 JC519	Soil	0.4	12.2	5.9	49	<0.1	7.7	5.8	670	2.00	2.3	1.6	0.9	46	<0.1	0.2	<0.1	52	0.33	0.030	12
REP BM11 JC519	QC	0.4	12.8	5.6	48	<0.1	7.6	5.5	650	1.95	2.1	7.0	1.0	45	<0.1	0.2	<0.1	50	0.33	0.030	12
EB11-223	Soil	0.6	15.5	6.1	39	0.1	9.2	5.4	313	2.12	4.8	26.7	1.3	42	<0.1	0.3	<0.1	53	0.43	0.042	11
REP EB11-223	QC	0.6	15.3	6.0	38	0.1	8.8	5.7	304	2.13	4.9	44.9	1.3	42	<0.1	0.3	<0.1	53	0.43	0.044	11
EB11-235	Soil	0.8	25.6	5.8	62	0.2	14.6	9.2	723	2.52	3.4	2.5	1.1	55	0.2	0.2	0.1	57	0.80	0.032	15
REP EB11-235	QC	0.8	26.1	5.9	61	0.2	15.1	9.0	716	2.56	3.2	2.5	1.1	54	0.2	0.2	<0.1	58	0.81	0.032	15
EB11-257	Soil	0.6	12.7	4.6	37	<0.1	6.5	6.0	339	2.41	6.5	4.2	1.2	31	<0.1	0.4	<0.1	65	0.36	0.063	9
REP EB11-257	QC	0.6	12.0	4.5	34	<0.1	6.4	5.5	321	2.21	6.1	3.8	1.2	29	<0.1	0.4	<0.1	62	0.34	0.059	8
EB11-284	Soil	0.8	20.0	5.4	43	0.2	10.9	6.7	340	2.58	3.7	3.7	1.5	34	<0.1	0.3	<0.1	64	0.50	0.017	12
REP EB11-284	QC	0.8	19.6	5.2	42	0.2	10.4	6.4	328	2.52	3.7	3.6	1.4	34	<0.1	0.3	<0.1	63	0.48	0.017	12
EB11-304	Soil	0.6	26.4	5.7	57	<0.1	23.5	13.3	1011	3.35	5.2	1.6	1.5	156	0.1	0.3	<0.1	81	0.94	0.083	15
REP EB11-304	QC	0.6	26.5	5.6	56	<0.1	23.2	13.1	1045	3.41	5.5	1.4	1.5	159	0.1	0.2	<0.1	79	0.94	0.081	14
Reference Materials																					
STD DS8	Standard	14.1	116.4	124.1	319	1.9	41.4	8.2	630	2.58	24.6	115.3	6.4	63	2.3	5.5	5.7	45	0.71	0.082	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.





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004114.1

Method	Analyte	Unit	MDL	1DX15 Cr	1DX15 Mg	1DX15 Ba	1DX15 Ti	1DX15 B	1DX15 Al	1DX15 Na	1DX15 K	1DX15 W	1DX15 Hg	1DX15 Sc	1DX15 Tl	1DX15 S	1DX15 Ga	1DX15 Se	1DX15 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
Pulp Duplicates																			
BM11 JT428	Soil			18	0.48	134	0.088	<1	1.35	0.031	0.08	<0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JT428	QC			18	0.50	131	0.090	<1	1.41	0.030	0.08	<0.1	0.03	4.4	<0.1	<0.05	5	<0.5	<0.2
BM11 JT454	Soil			11	0.22	102	0.054	<1	1.07	0.010	0.07	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JT454	QC			11	0.23	106	0.054	<1	1.12	0.013	0.07	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11 JF562	Soil			17	0.22	96	0.084	2	1.43	0.013	0.08	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF562	QC			15	0.27	119	0.063	<1	1.48	0.013	0.09	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
BM11 JF565	Soil			18	0.26	106	0.088	1	1.56	0.013	0.10	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF565	QC			18	0.27	108	0.089	1	1.64	0.015	0.09	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
BM11 JF568	Soil			23	0.33	121	0.118	<1	1.54	0.016	0.13	<0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF568	QC			21	0.35	133	0.085	<1	1.40	0.016	0.12	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JF581	Soil			16	0.28	109	0.095	1	1.59	0.012	0.06	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JF581	QC			14	0.26	102	0.087	1	1.47	0.011	0.05	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11 JC499	Soil			17	0.39	101	0.100	2	1.65	0.024	0.06	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
REP BM11 JC499	QC			16	0.40	101	0.096	2	1.66	0.026	0.06	<0.1	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
BM11 JC519	Soil			14	0.33	100	0.103	2	1.39	0.016	0.07	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
REP BM11 JC519	QC			14	0.32	99	0.098	2	1.39	0.020	0.07	0.2	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
EB11-223	Soil			17	0.40	147	0.080	2	1.46	0.020	0.11	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
REP EB11-223	QC			17	0.39	146	0.081	2	1.49	0.018	0.11	<0.1	0.02	4.1	<0.1	<0.05	4	<0.5	<0.2
EB11-235	Soil			24	0.46	199	0.087	2	1.94	0.020	0.13	<0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
REP EB11-235	QC			23	0.46	203	0.087	2	1.90	0.020	0.13	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
EB11-257	Soil			13	0.30	65	0.076	1	0.99	0.019	0.06	<0.1	0.02	3.1	<0.1	0.05	3	<0.5	<0.2
REP EB11-257	QC			13	0.29	64	0.076	<1	0.95	0.022	0.06	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
EB11-284	Soil			20	0.33	116	0.095	1	1.90	0.021	0.07	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
REP EB11-284	QC			20	0.32	114	0.094	1	1.84	0.020	0.07	<0.1	0.03	4.3	<0.1	0.05	5	<0.5	<0.2
EB11-304	Soil			27	0.90	205	0.105	1	2.17	0.056	0.09	<0.1	0.03	7.5	<0.1	<0.05	6	<0.5	<0.2
REP EB11-304	QC			28	0.90	197	0.104	1	2.11	0.051	0.09	<0.1	0.03	7.2	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																			
STD DS8	Standard			120	0.64	280	0.127	3	0.94	0.088	0.41	3.1	0.20	2.1	5.5	0.23	5	5.2	5.1

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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere

Report Date: September 30, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004114.1

		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 DS8	Standard	13.3	111.7	118.1	306	1.7	39.0	7.5	603	2.48	24.4	122.0	5.9	65	2.2	5.5	6.1	44	0.70	0.083	16
STD DS8	Standard	12.3	114.2	127.1	328	1.8	39.3	7.8	605	2.52	26.2	102.3	6.4	67	2.2	5.4	6.5	42	0.65	0.077	13
STD DS8	Standard	13.1	108.3	122.8	310	1.7	37.7	7.3	612	2.40	24.0	113.7	6.6	68	1.9	5.3	6.4	42	0.70	0.079	15
STD DS8	Standard	12.8	100.9	115.5	296	1.8	36.5	7.1	590	2.39	22.9	108.5	6.2	62	2.2	4.9	5.5	43	0.69	0.077	16
STD DS8	Standard	13.2	111.5	124.1	325	1.7	39.2	7.7	607	2.47	25.3	116.0	6.7	72	2.4	5.5	6.8	41	0.74	0.083	15
STD DS8	Standard	13.4	98.6	120.0	309	2.0	36.7	6.5	603	2.39	23.3	106.1	6.1	68	2.5	5.2	6.6	38	0.64	0.075	15
STD DS8	Standard	12.6	101.9	114.4	292	1.6	33.5	6.6	554	2.45	22.7	105.6	6.1	54	1.9	4.3	5.3	40	0.62	0.068	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: September 30, 2011

Page: 2 of 2 Part 2

# QUALITY CONTROL REPORT

VAN11004114.1

		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 DS8	Standard	119	0.61	275	0.123	2	0.92	0.090	0.40	2.9	0.21	2.1	5.3	0.19	5	5.1	4.8
STD DS8	Standard	113	0.60	280	0.102	3	0.95	0.092	0.44	2.9	0.22	2.7	5.5	0.17	5	6.0	5.2
STD DS8	Standard	116	0.62	286	0.118	3	0.94	0.093	0.44	3.1	0.20	3.2	5.4	0.11	5	4.2	5.3
STD DS8	Standard	113	0.59	275	0.117	3	0.89	0.082	0.39	3.0	0.19	1.9	5.3	0.16	5	5.1	4.7
STD DS8	Standard	115	0.62	283	0.113	2	1.00	0.112	0.46	3.0	0.19	2.6	5.3	0.14	5	6.4	5.1
STD DS8	Standard	112	0.59	269	0.104	3	0.88	0.083	0.42	2.8	0.22	1.9	5.5	0.16	5	5.4	4.7
STD DS8	Standard	110	0.50	242	0.106	2	0.81	0.074	0.38	2.6	0.20	2.4	4.8	0.17	4	4.5	4.2
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

**Client: Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 22, 2011

Report Date: September 30, 2011

Page: 1 of 11

## CERTIFICATE OF ANALYSIS

VAN11004444.1

### CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: #3  
P.O. Number  
Number of Samples: 276

### SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	273	Dry at 60C			VAN
SS80	268	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	268	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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		
				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	
JT301	Soil			0.5	8.9	5.7	38	<0.1	7.3	5.1	199	1.79	1.6	0.8	0.7	22	<0.1	0.2	<0.1	44	0.18	0.040	4
JT302	Soil			0.6	9.4	6.9	56	<0.1	7.9	5.2	476	1.65	1.4	2.1	0.7	24	<0.1	0.1	<0.1	40	0.23	0.042	6
JT303	Soil			0.5	13.1	5.9	55	<0.1	10.2	5.9	227	1.99	1.9	<0.5	0.9	36	<0.1	0.2	<0.1	53	0.28	0.034	10
JT304	Soil			0.3	10.1	5.9	45	<0.1	7.8	5.1	242	1.61	1.2	0.7	0.8	37	<0.1	0.1	<0.1	43	0.25	0.022	6
JT305	Soil			0.3	8.9	5.4	48	<0.1	6.9	4.1	260	1.20	0.8	<0.5	0.8	26	<0.1	<0.1	<0.1	30	0.19	0.025	5
JT306	Soil			0.5	9.8	5.7	67	<0.1	7.8	5.0	291	1.73	2.1	<0.5	0.8	42	<0.1	0.2	<0.1	47	0.27	0.039	7
JT307	Soil			0.5	8.5	5.8	62	<0.1	10.5	5.4	392	1.68	1.8	1.5	0.8	34	<0.1	0.1	<0.1	42	0.21	0.070	4
JT308	Soil			0.4	8.8	4.8	51	<0.1	12.5	5.2	264	1.79	2.0	0.7	0.8	63	<0.1	0.1	<0.1	53	0.25	0.046	5
JT309	Soil			0.5	12.9	5.4	58	<0.1	13.3	6.7	364	2.26	3.0	0.9	1.0	60	<0.1	0.2	<0.1	64	0.29	0.066	7
JT310	Soil			0.6	8.9	6.1	72	<0.1	9.1	5.2	528	1.78	2.0	<0.5	0.7	37	<0.1	0.2	0.1	49	0.24	0.056	5
JT311	Soil			0.6	9.4	6.5	77	0.2	5.6	4.2	505	2.05	2.6	<0.5	0.7	19	0.2	0.1	0.1	41	0.21	0.118	10
JT312	Soil			0.6	10.9	5.8	51	0.1	7.0	5.9	423	2.18	3.1	95.5	0.9	35	0.1	0.3	0.1	60	0.51	0.025	9
JT313	Soil			0.6	15.3	8.7	44	0.2	7.7	5.6	454	1.96	3.4	25.9	1.4	29	<0.1	0.2	0.2	46	0.32	0.063	10
JT314	Soil			0.7	16.4	4.9	45	<0.1	5.9	6.4	463	2.04	2.3	<0.5	1.0	48	<0.1	<0.1	<0.1	55	0.25	0.122	5
JT315	Soil			0.6	23.2	6.1	52	0.1	7.8	8.7	538	2.44	2.2	<0.5	1.3	108	<0.1	0.1	0.1	74	0.40	0.050	9
JT316	Soil			0.4	15.3	6.5	57	0.1	7.3	6.9	558	2.08	2.1	<0.5	1.0	35	<0.1	0.1	0.1	53	0.22	0.104	5
JT317	Soil			0.4	18.2	6.9	57	<0.1	8.5	7.9	376	2.42	1.9	<0.5	1.3	69	<0.1	0.1	0.1	72	0.35	0.065	6
JT318	Soil			0.5	16.3	6.4	50	<0.1	8.5	7.0	576	2.25	2.3	<0.5	1.1	44	0.1	0.1	0.1	61	0.42	0.044	17
JT319	Soil			0.5	17.4	5.9	44	<0.1	6.2	6.7	335	2.19	1.7	<0.5	1.2	39	<0.1	<0.1	0.1	67	0.33	0.065	9
JT320	Soil			0.6	16.3	5.3	46	<0.1	8.6	7.7	301	2.45	2.2	<0.5	0.8	81	<0.1	0.1	<0.1	76	0.42	0.030	6
JT321	Soil			0.5	19.9	6.5	46	<0.1	8.1	7.9	318	2.48	2.2	<0.5	1.0	53	<0.1	0.1	0.1	68	0.34	0.061	6
JT322	Soil			0.8	17.5	5.4	53	<0.1	6.1	7.2	298	2.47	2.6	<0.5	1.0	43	<0.1	<0.1	0.1	69	0.18	0.081	4
JT323	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.
JT324	Soil			0.6	19.0	5.5	45	<0.1	7.1	7.7	376	2.52	2.0	<0.5	1.1	25	<0.1	0.1	0.1	70	0.18	0.048	6
JT325	Soil			0.6	25.0	6.5	50	<0.1	7.0	8.9	1068	2.53	2.0	<0.5	0.8	42	0.2	0.1	0.1	68	0.25	0.106	10
JT326	Soil			0.5	20.7	6.3	61	<0.1	10.4	8.9	673	2.72	4.0	<0.5	1.1	40	0.1	0.2	0.1	65	0.39	0.086	6
JT327	Soil			1.0	18.3	7.3	58	<0.1	10.8	9.1	562	2.65	3.7	<0.5	1.0	32	0.1	0.2	0.1	63	0.24	0.051	8
JT328	Soil			1.0	15.9	6.4	48	0.1	8.2	7.5	533	2.37	2.7	<0.5	0.9	19	0.1	0.1	0.1	55	0.19	0.076	5
JT329	Soil			0.8	13.5	10.0	52	0.2	8.6	7.5	488	2.14	2.6	<0.5	1.0	24	<0.1	0.1	0.1	52	0.22	0.056	5
JT330	Soil			0.5	9.6	4.9	40	0.1	4.9	5.0	403	1.58	1.6	<0.5	0.8	23	0.1	<0.1	0.1	40	0.22	0.060	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JT301	Soil	11	0.23	91	0.060	<1	1.26	0.012	0.06	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
JT302	Soil	11	0.27	83	0.053	<1	1.25	0.012	0.06	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
JT303	Soil	15	0.32	107	0.084	<1	1.44	0.014	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
JT304	Soil	12	0.29	103	0.099	<1	1.31	0.016	0.05	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
JT305	Soil	9	0.22	80	0.071	<1	1.13	0.017	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
JT306	Soil	12	0.27	109	0.099	<1	1.33	0.015	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
JT307	Soil	15	0.24	113	0.090	<1	1.55	0.013	0.08	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
JT308	Soil	19	0.26	129	0.125	<1	1.34	0.013	0.08	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
JT309	Soil	21	0.33	134	0.113	<1	1.48	0.012	0.08	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
JT310	Soil	14	0.25	109	0.080	3	1.46	0.014	0.07	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
JT311	Soil	10	0.26	112	0.041	1	2.19	0.034	0.07	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
JT312	Soil	14	0.33	107	0.096	2	1.54	0.022	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
JT313	Soil	11	0.26	205	0.082	2	3.39	0.022	0.04	<0.1	0.02	2.6	<0.1	<0.05	10	<0.5	<0.2
JT314	Soil	9	0.25	75	0.128	2	2.43	0.025	0.06	<0.1	0.02	2.3	<0.1	<0.05	8	<0.5	<0.2
JT315	Soil	11	0.44	78	0.176	2	2.44	0.026	0.07	<0.1	0.02	3.1	<0.1	<0.05	9	<0.5	<0.2
JT316	Soil	9	0.32	81	0.126	2	2.30	0.021	0.06	<0.1	0.03	2.1	<0.1	<0.05	9	<0.5	<0.2
JT317	Soil	11	0.48	83	0.188	2	2.83	0.028	0.04	<0.1	0.03	2.6	<0.1	<0.05	9	0.6	<0.2
JT318	Soil	12	0.38	94	0.076	1	2.96	0.019	0.04	<0.1	0.01	4.5	<0.1	<0.05	8	<0.5	<0.2
JT319	Soil	9	0.42	55	0.141	3	2.79	0.027	0.04	<0.1	0.03	3.4	<0.1	<0.05	8	0.8	<0.2
JT320	Soil	14	0.43	104	0.127	2	2.25	0.020	0.05	<0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
JT321	Soil	10	0.55	58	0.173	3	2.49	0.023	0.06	<0.1	0.03	2.8	<0.1	<0.05	10	<0.5	<0.2
JT322	Soil	9	0.44	57	0.182	1	2.50	0.025	0.04	<0.1	0.05	2.3	<0.1	<0.05	9	<0.5	<0.2
JT323	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.
JT324	Soil	10	0.43	57	0.145	2	2.44	0.024	0.04	0.1	0.03	3.3	<0.1	<0.05	8	<0.5	<0.2
JT325	Soil	10	0.52	69	0.144	2	2.28	0.024	0.04	<0.1	0.05	2.9	<0.1	<0.05	8	0.7	<0.2
JT326	Soil	16	0.47	130	0.078	2	2.70	0.015	0.09	<0.1	0.01	3.4	<0.1	<0.05	8	<0.5	<0.2
JT327	Soil	15	0.41	121	0.063	2	2.94	0.017	0.08	<0.1	0.02	3.4	<0.1	<0.05	9	<0.5	<0.2
JT328	Soil	10	0.34	93	0.106	2	2.43	0.024	0.06	<0.1	0.03	2.2	<0.1	<0.05	9	<0.5	<0.2
JT329	Soil	10	0.26	127	0.089	2	2.23	0.022	0.06	<0.1	0.02	2.3	<0.1	<0.05	8	<0.5	<0.2
JT330	Soil	7	0.16	101	0.089	2	1.40	0.027	0.06	<0.1	0.02	1.8	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	
JT331	Soil	0.6	14.4	4.9	58	<0.1	7.5	5.9	300	2.39	3.8	<0.5	0.8	44	<0.1	0.3	<0.1	65	0.32	0.041	7
JT332	Soil	0.5	13.6	6.6	46	<0.1	9.9	8.8	465	2.48	3.4	<0.5	1.2	62	0.1	0.2	0.1	74	0.55	0.025	11
JT333	Soil	0.8	22.7	7.2	72	0.2	11.2	7.0	571	2.36	3.8	2.1	0.9	38	0.1	0.2	<0.1	56	0.57	0.041	15
JT334	Soil	0.6	34.1	3.0	65	<0.1	61.0	21.1	587	4.37	5.5	<0.5	1.9	69	<0.1	0.1	<0.1	124	1.02	0.128	18
JT335	Soil	2.1	19.5	7.0	58	0.2	15.3	10.0	298	2.78	4.0	<0.5	1.0	31	<0.1	0.2	<0.1	73	0.36	0.020	12
JT336	Soil	1.0	21.2	6.6	43	0.2	22.1	10.0	454	2.73	3.4	<0.5	1.3	59	0.1	0.2	<0.1	75	0.70	0.017	19
JT337	Soil	0.9	14.4	6.4	64	0.1	11.7	7.9	592	2.34	3.2	<0.5	0.8	33	0.2	0.2	<0.1	59	0.34	0.061	7
JT338	Soil	0.7	14.8	6.1	58	<0.1	10.5	7.5	377	2.59	2.1	2.2	0.9	32	0.1	0.3	<0.1	63	0.32	0.046	8
JT339	Soil	1.5	14.1	5.6	37	<0.1	9.6	7.2	383	2.29	3.5	1.4	1.0	50	<0.1	0.2	<0.1	67	0.42	0.021	9
JT340	Soil	0.9	18.7	5.7	50	<0.1	10.4	7.2	372	2.33	2.6	<0.5	1.0	45	0.2	0.2	<0.1	60	0.58	0.020	9
JT341	Soil	0.8	16.2	5.1	46	<0.1	9.9	6.8	261	2.26	1.9	2.1	0.6	26	<0.1	0.1	0.1	56	0.31	0.014	8
JT342	Soil	0.4	21.1	4.9	60	0.1	40.0	9.3	267	2.30	2.2	<0.5	0.8	57	<0.1	0.2	<0.1	65	0.37	0.067	14
JT343	Soil	0.5	19.7	5.1	67	<0.1	21.7	8.5	379	2.47	2.4	<0.5	0.9	38	0.1	0.2	<0.1	61	0.32	0.049	10
JT344	Soil	0.5	9.1	5.1	58	<0.1	10.9	5.4	337	1.85	1.7	5.2	0.8	46	<0.1	0.2	<0.1	53	0.27	0.050	5
JT345	Soil	0.5	13.3	4.9	59	<0.1	14.4	6.2	329	2.19	2.5	70.9	0.8	47	<0.1	0.2	<0.1	63	0.29	0.039	6
BM11S-39	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT346	Soil	0.7	13.5	5.4	64	<0.1	18.3	7.5	408	2.34	3.0	1.8	0.8	45	<0.1	0.2	<0.1	71	0.25	0.053	5
JT347	Soil	0.4	13.8	5.1	56	<0.1	13.3	6.2	241	2.16	2.1	0.9	0.9	35	0.1	0.2	<0.1	63	0.26	0.037	6
JT348	Soil	0.4	14.2	4.8	48	<0.1	12.8	6.1	269	2.14	2.4	32.0	0.9	48	<0.1	0.2	<0.1	66	0.30	0.024	7
JT349	Soil	0.5	10.1	5.1	59	<0.1	11.6	5.6	430	1.83	1.8	1.5	0.7	37	<0.1	0.2	<0.1	54	0.24	0.050	4
JT350	Soil	0.6	12.0	5.6	62	<0.1	12.6	6.8	363	1.96	2.4	0.8	0.8	34	<0.1	0.2	<0.1	56	0.22	0.075	4
JT351	Soil	0.6	20.2	4.9	55	<0.1	15.3	8.3	363	2.75	3.8	2.1	1.0	63	<0.1	0.4	<0.1	93	0.43	0.038	8
JT352	Soil	0.5	15.6	4.7	49	<0.1	14.5	6.5	284	2.38	2.6	0.6	0.9	63	<0.1	0.2	<0.1	76	0.35	0.023	8
JT353	Soil	0.5	16.3	4.7	53	<0.1	13.6	7.0	423	2.50	3.4	1.2	1.0	71	<0.1	0.3	<0.1	83	0.38	0.028	9
JT354	Soil	0.4	10.0	5.0	71	<0.1	9.4	5.3	233	1.69	1.6	<0.5	0.8	38	<0.1	0.1	<0.1	51	0.24	0.036	6
JT355	Soil	0.5	11.1	5.3	56	<0.1	9.9	6.1	263	2.07	2.5	<0.5	0.8	39	<0.1	0.2	<0.1	62	0.25	0.077	5
JT356	Soil	0.5	16.5	5.0	57	<0.1	12.7	7.4	301	2.49	3.3	0.5	1.3	46	<0.1	0.2	<0.1	71	0.34	0.066	7
JT357	Soil	0.3	15.9	6.4	39	<0.1	10.0	6.6	335	2.11	3.7	1.0	1.4	77	<0.1	0.2	<0.1	64	0.44	0.029	11
JT358	Soil	0.5	12.3	5.2	66	<0.1	10.6	6.8	415	2.19	3.3	2.1	0.9	39	<0.1	0.2	<0.1	67	0.26	0.065	5
JT359	Soil	0.4	19.6	5.3	50	<0.1	11.2	5.9	477	2.10	3.0	2.9	1.4	48	<0.1	0.2	<0.1	61	0.36	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	
JT331	Soil	14	0.34	136	0.092	<1	1.32	0.022	0.05	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
JT332	Soil	14	0.56	108	0.101	2	1.51	0.029	0.05	<0.1	0.02	4.7	<0.1	<0.05	6	0.6	<0.2
JT333	Soil	16	0.42	144	0.048	1	1.99	0.022	0.05	<0.1	0.02	3.4	<0.1	<0.05	7	0.6	<0.2
JT334	Soil	32	1.68	86	0.285	4	2.18	0.063	0.07	<0.1	<0.01	7.5	<0.1	<0.05	7	<0.5	<0.2
JT335	Soil	18	0.47	126	0.085	2	2.14	0.020	0.06	<0.1	0.02	3.5	<0.1	<0.05	8	<0.5	<0.2
JT336	Soil	20	0.71	100	0.118	2	2.23	0.026	0.04	<0.1	0.03	5.9	<0.1	<0.05	8	0.6	<0.2
JT337	Soil	16	0.38	110	0.069	2	2.11	0.014	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
JT338	Soil	17	0.37	103	0.061	<1	1.68	0.014	0.07	<0.1	0.02	3.0	<0.1	<0.05	6	0.6	<0.2
JT339	Soil	17	0.41	103	0.080	1	1.37	0.020	0.06	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
JT340	Soil	19	0.39	139	0.072	2	1.76	0.018	0.07	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
JT341	Soil	17	0.35	98	0.053	1	1.62	0.021	0.04	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
JT342	Soil	58	0.64	98	0.087	1	1.62	0.025	0.07	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
JT343	Soil	30	0.45	110	0.087	1	1.89	0.021	0.06	<0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
JT344	Soil	17	0.25	100	0.112	1	1.31	0.015	0.10	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JT345	Soil	22	0.37	103	0.117	2	1.34	0.015	0.09	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
BM11S-39	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT346	Soil	26	0.39	122	0.101	1	1.55	0.018	0.08	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
JT347	Soil	20	0.35	103	0.095	1	1.43	0.016	0.07	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
JT348	Soil	21	0.38	92	0.103	2	1.25	0.016	0.06	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
JT349	Soil	19	0.28	122	0.083	1	1.39	0.016	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
JT350	Soil	17	0.29	121	0.077	<1	1.52	0.015	0.07	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
JT351	Soil	26	0.50	108	0.136	1	1.33	0.029	0.08	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
JT352	Soil	25	0.42	108	0.125	1	1.28	0.020	0.07	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
JT353	Soil	23	0.44	123	0.136	<1	1.27	0.020	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
JT354	Soil	14	0.24	99	0.084	<1	1.21	0.018	0.06	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
JT355	Soil	16	0.27	112	0.091	<1	1.48	0.015	0.08	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
JT356	Soil	17	0.42	121	0.113	1	1.90	0.017	0.08	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
JT357	Soil	17	0.41	94	0.136	2	1.46	0.033	0.08	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
JT358	Soil	17	0.31	113	0.098	1	1.38	0.018	0.08	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
JT359	Soil	18	0.39	98	0.097	1	1.76	0.024	0.08	<0.1	0.02	5.7	<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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 4 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	
JT360	Soil	0.5	12.1	5.8	64	<0.1	12.4	7.4	243	1.97	2.1	<0.5	1.0	29	<0.1	0.1	<0.1	55	0.23	0.062	5
JT361	Soil	0.4	10.6	5.4	62	<0.1	10.2	6.3	249	2.00	2.5	0.9	0.9	40	<0.1	0.2	<0.1	58	0.27	0.052	5
JT362	Soil	0.4	13.7	5.4	48	<0.1	9.6	6.8	325	2.37	3.6	2.1	1.0	84	0.1	0.3	<0.1	76	0.44	0.040	6
JT363	Soil	0.4	14.0	5.0	43	<0.1	11.6	6.9	291	2.20	3.0	<0.5	1.1	84	<0.1	0.2	<0.1	69	0.39	0.037	8
JT364	Soil	0.5	14.1	5.2	51	<0.1	11.2	6.5	288	2.34	3.5	<0.5	1.0	79	0.1	0.3	<0.1	73	0.42	0.057	7
JT365	Soil	0.5	21.2	5.4	56	<0.1	12.2	8.0	428	2.61	3.8	<0.5	1.2	83	0.1	0.3	<0.1	77	0.54	0.053	10
JT366	Soil	0.7	21.8	5.3	60	<0.1	16.2	9.6	503	2.95	4.4	0.7	1.3	112	<0.1	0.3	<0.1	90	0.76	0.054	14
JT367	Soil	0.6	21.2	5.6	52	<0.1	14.6	8.5	379	2.65	4.1	<0.5	1.2	96	<0.1	0.3	<0.1	78	0.52	0.060	11
JT368	Soil	0.6	27.5	5.6	55	0.1	15.9	9.5	473	2.83	4.4	1.2	1.4	112	0.2	0.3	<0.1	79	0.83	0.060	14
JT369	Soil	0.7	25.0	5.7	55	0.1	14.4	9.1	610	2.70	4.1	2.8	1.5	127	0.2	0.3	<0.1	78	1.09	0.053	13
JT370	Soil	0.7	25.5	5.4	51	<0.1	16.0	8.6	405	2.87	4.6	0.7	1.6	113	<0.1	0.3	<0.1	82	0.68	0.045	14
JT371	Soil	0.5	16.3	5.2	53	<0.1	14.2	8.3	270	2.50	3.5	<0.5	1.0	66	<0.1	0.3	<0.1	77	0.34	0.057	6
JT372	Soil	0.5	16.1	5.2	56	0.1	14.9	7.5	212	2.19	2.0	<0.5	1.6	36	<0.1	0.1	<0.1	55	0.28	0.089	6
JT373	Soil	0.7	16.4	6.7	118	0.2	23.1	9.3	663	2.69	3.2	<0.5	0.8	38	0.2	0.2	0.1	62	0.42	0.238	6
JT374	Soil	0.9	14.6	6.7	43	<0.1	16.3	8.4	280	2.41	3.1	0.7	1.1	50	<0.1	0.2	<0.1	77	0.38	0.017	13
JT375	Soil	0.9	17.3	6.4	56	<0.1	14.8	8.1	376	2.78	4.6	1.3	1.2	85	<0.1	0.3	<0.1	82	0.50	0.020	9
JT376	Soil	0.7	11.0	15.5	86	<0.1	5.8	4.8	2102	1.88	3.0	<0.5	0.4	29	0.2	0.2	0.1	41	0.40	0.105	16
JT377	Soil	1.2	11.9	6.3	79	0.1	12.3	6.9	460	2.14	2.5	<0.5	1.0	30	0.1	0.1	0.1	60	0.27	0.060	6
JT378	Soil	0.7	15.1	6.2	72	<0.1	11.7	7.3	509	2.34	4.3	<0.5	1.0	29	<0.1	0.2	<0.1	68	0.28	0.071	7
JT379	Soil	0.6	10.5	5.3	52	<0.1	11.5	6.3	284	1.96	2.6	<0.5	0.8	36	<0.1	0.1	<0.1	59	0.25	0.060	5
JT380	Soil	0.7	13.0	5.2	64	<0.1	14.0	7.1	359	2.18	3.4	<0.5	0.8	57	<0.1	0.2	<0.1	66	0.31	0.074	7
JT381	Soil	0.5	13.5	5.1	56	<0.1	15.0	6.6	362	2.16	3.2	<0.5	0.8	61	<0.1	0.2	<0.1	68	0.41	0.038	10
JT382	Soil	0.6	20.5	6.8	46	0.2	20.1	7.9	580	2.37	3.6	0.6	1.1	76	0.2	0.2	0.1	55	0.89	0.036	28
JT383	Soil	0.5	9.5	6.1	52	<0.1	9.1	5.5	175	1.79	3.6	<0.5	0.9	26	<0.1	0.1	0.1	46	0.25	0.094	6
JT384	Soil	0.5	17.1	5.6	57	0.1	41.5	8.7	218	2.13	2.3	1.7	0.9	29	0.1	0.1	0.1	54	0.28	0.051	10
JT385	Soil	0.6	9.0	9.2	74	<0.1	5.2	4.1	887	1.71	3.4	<0.5	0.8	15	0.2	0.1	0.1	35	0.25	0.171	4
JT386	Soil	0.9	11.5	7.5	56	<0.1	7.1	6.3	477	1.85	2.8	2.0	0.6	26	0.1	0.1	0.1	43	0.25	0.083	6
JT387	Soil	0.9	21.8	7.6	46	0.2	10.4	6.9	797	2.07	3.5	0.8	0.9	35	0.1	0.1	0.1	51	0.48	0.033	26
JT388	Soil	0.9	17.0	4.9	50	<0.1	10.8	8.0	555	2.41	4.0	3.4	1.1	52	<0.1	0.3	<0.1	72	0.46	0.041	14
JT389	Soil	0.8	10.6	5.7	47	<0.1	10.6	6.5	327	2.07	3.1	0.7	0.7	32	0.1	0.2	<0.1	57	0.25	0.045	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 4 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JT360	Soil	15	0.29	120	0.089	1	1.85	0.016	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
JT361	Soil	16	0.31	105	0.098	2	1.46	0.018	0.07	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
JT362	Soil	17	0.38	119	0.140	2	1.11	0.024	0.16	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
JT363	Soil	19	0.40	122	0.132	2	1.20	0.026	0.10	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
JT364	Soil	19	0.36	125	0.127	2	1.26	0.022	0.10	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
JT365	Soil	21	0.53	123	0.124	1	1.40	0.028	0.09	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
JT366	Soil	23	0.61	134	0.113	2	1.74	0.027	0.09	<0.1	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
JT367	Soil	22	0.50	140	0.105	1	1.51	0.023	0.11	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
JT368	Soil	24	0.52	151	0.126	3	1.70	0.024	0.19	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
JT369	Soil	23	0.51	163	0.126	3	1.70	0.033	0.18	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
JT370	Soil	25	0.61	149	0.129	2	1.74	0.029	0.13	<0.1	0.03	6.4	<0.1	<0.05	6	<0.5	<0.2
JT371	Soil	21	0.43	146	0.122	1	1.58	0.028	0.07	<0.1	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
JT372	Soil	16	0.32	129	0.106	2	2.23	0.020	0.07	<0.1	0.01	2.6	<0.1	<0.05	7	<0.5	<0.2
JT373	Soil	26	0.50	88	0.136	2	2.05	0.016	0.05	0.1	0.05	3.2	<0.1	<0.05	10	<0.5	<0.2
JT374	Soil	25	0.43	105	0.101	1	1.84	0.020	0.07	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
JT375	Soil	25	0.46	114	0.130	1	2.00	0.032	0.09	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
JT376	Soil	9	0.28	166	0.100	1	2.02	0.015	0.06	<0.1	0.05	2.4	<0.1	<0.05	10	<0.5	<0.2
JT377	Soil	17	0.27	91	0.107	2	1.88	0.020	0.08	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
JT378	Soil	18	0.35	117	0.077	2	1.80	0.017	0.08	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
JT379	Soil	17	0.27	103	0.089	2	1.78	0.018	0.10	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
JT380	Soil	21	0.33	104	0.098	1	1.69	0.016	0.10	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
JT381	Soil	23	0.41	113	0.108	1	1.47	0.025	0.08	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
JT382	Soil	26	0.56	172	0.056	2	2.38	0.020	0.08	<0.1	0.06	5.8	<0.1	0.09	7	<0.5	<0.2
JT383	Soil	14	0.27	99	0.053	1	1.90	0.019	0.06	<0.1	0.04	2.2	<0.1	0.09	7	<0.5	<0.2
JT384	Soil	35	0.53	85	0.064	2	2.00	0.021	0.06	<0.1	0.03	3.2	<0.1	0.09	7	<0.5	<0.2
JT385	Soil	8	0.20	80	0.061	1	2.02	0.013	0.05	<0.1	0.05	1.6	<0.1	0.08	8	<0.5	<0.2
JT386	Soil	11	0.29	72	0.048	1	1.64	0.012	0.05	0.1	0.04	1.8	<0.1	0.05	7	<0.5	<0.2
JT387	Soil	15	0.37	70	0.049	1	1.92	0.021	0.05	<0.1	0.03	4.8	<0.1	0.06	7	<0.5	<0.2
JT388	Soil	19	0.47	84	0.100	<1	1.29	0.025	0.06	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
JT389	Soil	14	0.32	94	0.075	<1	1.73	0.018	0.04	<0.1	0.05	2.3	<0.1	<0.05	6	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	
JT390	Soil	2.0	11.8	6.1	43	<0.1	8.7	6.6	201	2.30	3.4	<0.5	0.8	15	<0.1	0.2	0.1	65	0.18	0.045	4
BM11S-45	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT391	Soil	0.8	18.6	8.2	38	1.1	6.2	4.5	478	1.85	4.1	2.1	1.0	15	0.2	0.3	0.1	31	0.88	0.029	35
JT392	Soil	1.7	12.6	6.7	47	<0.1	9.7	6.8	212	2.13	3.2	1.9	1.0	21	<0.1	0.2	<0.1	54	0.25	0.049	4
JT393	Soil	1.1	5.7	5.7	40	0.1	4.6	3.3	125	1.26	2.2	1.2	0.4	14	<0.1	<0.1	<0.1	26	0.19	0.051	4
JT394	Soil	1.1	11.9	5.8	51	<0.1	9.3	6.2	256	1.99	3.3	0.9	1.0	15	<0.1	0.1	<0.1	52	0.18	0.070	5
JT395	Soil	1.2	13.5	5.4	57	<0.1	9.7	7.2	283	2.29	3.1	1.2	0.9	21	<0.1	0.2	<0.1	57	0.23	0.081	5
JT396	Soil	0.9	17.0	5.8	55	<0.1	11.5	7.5	262	2.17	3.1	<0.5	1.0	27	0.1	0.2	0.1	55	0.37	0.069	9
JT397	Soil	1.8	19.0	5.3	47	<0.1	12.5	9.4	437	2.36	3.1	1.1	0.9	36	<0.1	0.2	<0.1	69	0.42	0.017	6
JT398	Soil	5.8	14.2	6.7	34	0.1	14.5	10.4	1502	2.70	9.6	1.5	1.2	41	<0.1	0.2	<0.1	74	0.72	0.024	10
JT399	Soil	2.2	16.6	5.7	52	<0.1	10.6	8.4	344	2.38	3.4	1.6	0.9	27	<0.1	0.3	<0.1	67	0.37	0.035	6
JT400	Soil	1.2	13.0	5.5	38	<0.1	9.9	6.8	263	1.99	2.8	1.4	0.8	30	<0.1	0.2	<0.1	58	0.42	0.017	5
JT401	Soil	1.3	16.9	5.3	40	<0.1	11.0	8.9	678	1.98	3.2	1.3	1.4	49	<0.1	0.2	<0.1	58	0.46	0.018	10
JT402	Soil	0.7	20.4	5.8	51	<0.1	17.5	8.4	504	2.46	3.7	3.4	1.3	105	0.1	0.3	<0.1	73	0.75	0.062	19
JT403	Soil	0.6	16.7	6.0	57	<0.1	11.4	7.4	452	2.24	3.1	0.6	0.9	75	0.1	0.2	<0.1	63	0.44	0.051	9
JT404	Soil	0.7	14.1	6.2	60	<0.1	11.6	7.5	669	2.29	4.0	0.9	1.0	61	<0.1	0.2	<0.1	66	0.42	0.064	7
JT405	Soil	0.4	19.6	5.4	48	<0.1	12.5	7.5	382	2.52	5.2	9.2	1.3	114	<0.1	0.3	<0.1	72	0.62	0.050	12
JT406	Soil	0.5	11.7	5.2	53	<0.1	11.5	6.2	276	2.04	3.2	<0.5	1.0	37	<0.1	0.2	<0.1	54	0.21	0.074	5
JT407	Soil	0.5	18.3	5.1	51	<0.1	13.8	8.2	371	2.55	5.0	20.6	1.2	64	0.1	0.3	<0.1	72	0.38	0.040	7
JT408	Soil	0.5	16.5	5.5	50	<0.1	11.2	7.5	397	2.34	4.6	2.1	1.2	74	<0.1	0.2	<0.1	68	0.42	0.044	9
JT409	Soil	0.5	7.8	5.2	37	<0.1	8.5	4.8	273	1.68	1.9	1.7	0.7	32	<0.1	0.2	<0.1	46	0.18	0.033	4
JT410	Soil	0.5	10.4	5.7	40	<0.1	11.5	5.7	175	1.96	2.5	1.0	1.1	39	<0.1	0.2	<0.1	48	0.23	0.050	5
JT411	Soil	0.5	8.1	6.3	52	<0.1	12.1	5.8	363	1.73	2.4	0.7	0.9	27	<0.1	0.1	<0.1	43	0.17	0.130	4
JT412	Soil	0.4	7.6	6.2	37	<0.1	10.3	5.0	200	1.60	2.0	2.8	0.8	24	<0.1	<0.1	0.1	41	0.19	0.065	5
JT413	Soil	0.4	17.3	4.9	47	<0.1	15.3	7.8	378	2.42	4.4	2.8	1.1	103	<0.1	0.3	<0.1	69	0.44	0.056	9
JT414	Soil	0.5	8.2	5.8	56	<0.1	9.6	5.1	371	1.69	2.8	0.8	1.0	23	<0.1	0.1	<0.1	42	0.21	0.146	5
JT415	Soil	0.6	8.3	5.6	45	<0.1	9.3	5.7	299	1.80	2.5	1.3	0.8	31	<0.1	0.1	<0.1	47	0.19	0.049	4
JT416	Soil	0.5	17.6	5.1	44	<0.1	13.7	8.3	403	2.49	4.6	1.0	1.3	74	<0.1	0.2	<0.1	69	0.41	0.056	11
JT417	Soil	0.4	12.6	3.1	38	<0.1	10.7	5.4	301	2.00	1.8	<0.5	0.7	54	<0.1	0.2	<0.1	57	0.34	0.018	8
JT418	Soil	0.4	12.0	6.0	60	<0.1	10.6	6.3	432	2.05	3.3	0.6	1.1	47	0.2	0.2	0.1	50	0.20	0.056	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 5 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
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	
JT390	Soil	15	0.31	73	0.063	1	1.59	0.010	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
BM11S-45	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT391	Soil	12	0.33	36	0.027	<1	1.95	0.033	0.04	<0.1	0.10	5.1	<0.1	0.08	7	1.2	<0.2
JT392	Soil	14	0.31	116	0.056	1	1.67	0.013	0.04	<0.1	0.04	2.2	<0.1	0.06	6	<0.5	<0.2
JT393	Soil	6	0.14	49	0.039	1	1.46	0.013	0.04	<0.1	0.02	1.2	<0.1	<0.05	6	<0.5	<0.2
JT394	Soil	13	0.25	80	0.057	<1	1.59	0.013	0.05	<0.1	0.03	2.2	<0.1	0.07	6	<0.5	<0.2
JT395	Soil	15	0.30	83	0.058	1	1.26	0.012	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
JT396	Soil	16	0.37	101	0.059	<1	1.57	0.012	0.08	<0.1	0.03	3.0	<0.1	<0.05	6	0.8	<0.2
JT397	Soil	18	0.44	89	0.091	2	1.34	0.018	0.08	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
JT398	Soil	23	0.52	105	0.071	<1	1.84	0.025	0.04	0.1	0.03	5.8	<0.1	<0.05	6	0.6	<0.2
JT399	Soil	18	0.40	92	0.075	1	1.46	0.015	0.06	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
JT400	Soil	16	0.35	87	0.079	2	1.18	0.023	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
JT401	Soil	18	0.49	100	0.097	<1	1.41	0.027	0.06	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
JT402	Soil	24	0.53	142	0.105	2	1.51	0.023	0.09	0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
JT403	Soil	16	0.39	125	0.081	<1	1.21	0.014	0.09	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
JT404	Soil	18	0.41	110	0.075	1	1.34	0.013	0.10	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
JT405	Soil	18	0.55	138	0.093	<1	1.48	0.017	0.11	<0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
JT406	Soil	16	0.34	114	0.069	<1	1.51	0.012	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
JT407	Soil	21	0.53	107	0.098	<1	1.42	0.015	0.09	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
JT408	Soil	17	0.46	114	0.088	1	1.44	0.017	0.08	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
JT409	Soil	12	0.24	91	0.059	<1	1.16	0.011	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
JT410	Soil	15	0.28	106	0.076	<1	1.75	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
JT411	Soil	15	0.24	95	0.068	<1	1.52	0.013	0.08	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
JT412	Soil	10	0.23	82	0.059	<1	1.59	0.011	0.06	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
JT413	Soil	22	0.45	105	0.087	<1	1.25	0.013	0.10	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
JT414	Soil	13	0.21	80	0.073	1	1.62	0.013	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
JT415	Soil	13	0.25	93	0.067	<1	1.47	0.011	0.06	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
JT416	Soil	20	0.53	117	0.087	<1	1.37	0.020	0.08	<0.1	0.05	4.1	<0.1	<0.05	5	0.6	<0.2
JT417	Soil	19	0.34	85	0.096	2	1.26	0.024	0.05	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
JT418	Soil	15	0.27	145	0.109	<1	2.09	0.015	0.08	<0.1	0.03	2.6	<0.1	<0.05	6	0.6	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 6 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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			
				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	
JT419	Soil			0.3	11.4	4.3	35	<0.1	8.9	4.3	323	1.55	1.3	<0.5	0.8	39	<0.1	0.1	<0.1	41	0.27	0.014	8
BM11S-37	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT420	Soil			0.6	11.9	4.9	46	<0.1	9.9	5.4	257	2.43	4.0	2.5	0.8	66	<0.1	0.3	<0.1	68	0.26	0.048	5
JT421	Soil			0.2	10.2	5.2	35	<0.1	8.9	4.3	196	1.73	1.5	3.6	1.0	71	<0.1	0.3	<0.1	47	0.36	0.014	8
JF406	Soil			0.4	10.8	4.2	66	<0.1	12.6	6.0	293	2.06	2.1	<0.5	0.8	31	<0.1	0.1	<0.1	53	0.22	0.060	5
JF407	Soil			0.6	11.6	4.8	65	<0.1	12.9	6.4	447	2.19	2.6	<0.5	0.9	40	<0.1	0.2	<0.1	59	0.27	0.059	5
JF408	Soil			0.4	8.8	4.3	53	<0.1	11.9	5.5	346	1.73	1.7	<0.5	0.6	42	<0.1	0.1	<0.1	48	0.25	0.061	4
JF409	Soil			0.3	7.0	3.6	51	<0.1	11.3	4.1	127	1.47	1.0	<0.5	0.5	35	<0.1	<0.1	<0.1	40	0.21	0.024	4
JF410	Soil			0.2	5.4	2.9	37	<0.1	7.9	3.7	188	1.09	0.9	<0.5	0.4	31	<0.1	<0.1	<0.1	32	0.18	0.021	4
JF411	Soil			0.5	8.7	4.4	78	<0.1	10.6	5.9	386	1.73	1.8	<0.5	0.8	38	<0.1	0.1	<0.1	45	0.22	0.081	4
JF412	Soil			0.4	9.1	3.9	49	<0.1	10.0	5.5	258	1.90	2.7	<0.5	0.7	93	<0.1	0.1	<0.1	61	0.32	0.029	4
JF413	Soil			0.4	18.2	5.2	58	0.1	7.8	6.5	700	2.55	5.4	<0.5	1.0	49	<0.1	0.2	<0.1	64	0.42	0.065	18
JF414	Soil			0.5	16.1	5.5	58	<0.1	6.7	6.9	727	2.28	3.2	<0.5	1.0	59	<0.1	0.2	<0.1	70	0.41	0.036	19
JF415	Soil			0.6	18.6	4.6	46	<0.1	7.0	6.6	515	2.10	2.7	<0.5	1.1	44	<0.1	0.1	<0.1	57	0.24	0.044	6
JF416	Soil			0.6	19.1	4.8	46	<0.1	7.3	6.8	507	2.15	2.4	<0.5	1.1	47	<0.1	0.1	<0.1	61	0.23	0.045	6
JF417	Soil			0.6	18.8	4.9	47	<0.1	7.3	6.4	513	2.05	2.7	<0.5	1.1	44	<0.1	0.1	<0.1	58	0.22	0.045	6
JF418	Soil			0.7	19.0	5.1	44	<0.1	7.3	6.6	452	2.11	2.6	<0.5	1.2	45	<0.1	0.1	<0.1	59	0.22	0.043	6
JF419	Soil			0.8	17.7	5.4	54	<0.1	8.6	7.4	667	2.46	3.1	<0.5	1.1	24	<0.1	0.2	<0.1	65	0.19	0.065	7
JF420	Soil			0.6	17.1	5.1	51	<0.1	8.3	7.1	613	2.33	3.0	<0.5	1.0	23	<0.1	0.2	0.1	63	0.16	0.063	7
JF421	Soil			0.6	25.2	4.8	50	<0.1	9.8	7.7	428	2.48	3.3	3.7	1.3	31	<0.1	0.2	<0.1	67	0.17	0.073	6
JF422	Soil			0.7	20.8	5.1	49	<0.1	10.5	7.2	422	2.44	3.8	1.1	1.2	15	<0.1	0.2	<0.1	63	0.09	0.047	5
JF423	Soil			0.4	22.7	6.4	50	<0.1	10.8	8.7	428	2.69	3.4	<0.5	1.2	54	<0.1	0.2	<0.1	71	0.21	0.064	6
JF424	Soil			0.5	18.7	5.7	66	<0.1	7.6	9.5	1105	2.72	4.1	<0.5	0.9	32	<0.1	0.2	<0.1	73	0.41	0.082	12
JF425	Soil			0.5	26.8	5.5	47	0.1	6.7	10.4	833	2.74	2.7	<0.5	0.9	92	<0.1	0.1	0.1	78	0.50	0.106	9
JF426	Soil			0.7	26.5	5.8	46	0.3	11.0	6.6	902	2.40	4.0	<0.5	1.1	44	0.1	0.2	<0.1	74	0.90	0.028	20
JF427	Soil			0.7	20.8	5.0	43	0.2	9.3	6.2	827	2.12	3.6	<0.5	1.0	40	0.2	0.2	<0.1	68	0.85	0.026	18
JF428	Soil			0.6	16.2	4.4	62	0.1	11.8	7.5	386	2.29	2.3	<0.5	1.1	27	<0.1	0.1	0.1	59	0.32	0.044	9
JF429	Soil			0.6	15.8	4.0	56	<0.1	10.5	6.5	338	2.11	2.0	<0.5	1.0	29	<0.1	0.1	<0.1	56	0.36	0.031	9
JF430	Soil			0.5	10.8	3.8	36	<0.1	13.3	5.6	303	1.89	2.4	12.6	0.9	53	<0.1	0.1	<0.1	52	0.44	0.015	7
JF431	Soil			0.8	13.9	5.0	39	<0.1	9.2	5.8	509	1.93	1.8	<0.5	0.8	40	<0.1	0.1	<0.1	47	0.64	0.020	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 6 of 11 Part 2

CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JT419	Soil	13	0.28	69	0.082	<1	1.23	0.021	0.05	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM11S-37	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JT420	Soil	18	0.34	112	0.100	1	1.46	0.013	0.07	<0.1	0.03	2.3	<0.1	<0.05	5	0.8	<0.2
JT421	Soil	15	0.33	97	0.123	<1	1.16	0.020	0.06	<0.1	0.03	2.7	<0.1	<0.05	4	0.7	<0.2
JF406	Soil	17	0.30	108	0.084	1	1.69	0.015	0.10	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
JF407	Soil	20	0.35	117	0.094	2	1.55	0.015	0.11	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JF408	Soil	17	0.29	102	0.089	1	1.37	0.017	0.08	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
JF409	Soil	18	0.24	71	0.092	2	1.19	0.019	0.04	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
JF410	Soil	14	0.17	61	0.075	2	0.83	0.017	0.06	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
JF411	Soil	14	0.25	113	0.084	1	1.93	0.017	0.06	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
JF412	Soil	13	0.29	121	0.128	<1	1.13	0.019	0.07	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
JF413	Soil	14	0.39	126	0.090	<1	2.76	0.016	0.10	<0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
JF414	Soil	12	0.35	118	0.129	<1	1.76	0.019	0.11	<0.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
JF415	Soil	10	0.34	73	0.096	2	2.44	0.015	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
JF416	Soil	11	0.33	76	0.101	2	2.55	0.017	0.06	<0.1	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2
JF417	Soil	10	0.32	73	0.093	2	2.47	0.015	0.05	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
JF418	Soil	10	0.33	79	0.089	1	2.44	0.017	0.05	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
JF419	Soil	14	0.37	102	0.092	1	2.64	0.012	0.06	<0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
JF420	Soil	13	0.35	95	0.082	1	2.43	0.011	0.05	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
JF421	Soil	14	0.45	70	0.113	2	3.16	0.014	0.05	<0.1	0.03	3.5	<0.1	<0.05	8	<0.5	<0.2
JF422	Soil	16	0.35	86	0.075	<1	2.43	0.011	0.05	<0.1	0.03	2.9	<0.1	<0.05	7	<0.5	<0.2
JF423	Soil	16	0.48	80	0.092	<1	2.84	0.017	0.05	<0.1	0.03	3.1	<0.1	<0.05	9	0.5	<0.2
JF424	Soil	13	0.42	97	0.109	1	2.34	0.016	0.10	<0.1	0.03	5.1	<0.1	<0.05	8	<0.5	<0.2
JF425	Soil	10	0.70	72	0.163	2	2.60	0.025	0.05	0.1	0.04	4.3	<0.1	<0.05	8	<0.5	<0.2
JF426	Soil	17	0.38	100	0.059	3	2.99	0.025	0.04	<0.1	0.04	4.8	<0.1	<0.05	8	<0.5	<0.2
JF427	Soil	16	0.36	96	0.054	3	2.52	0.024	0.03	<0.1	0.03	4.6	<0.1	<0.05	7	0.7	<0.2
JF428	Soil	18	0.35	111	0.075	2	2.16	0.019	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
JF429	Soil	17	0.35	106	0.070	2	1.94	0.021	0.04	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
JF430	Soil	22	0.40	99	0.075	2	1.35	0.026	0.03	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
JF431	Soil	17	0.38	100	0.040	<1	1.67	0.021	0.03	<0.1	0.02	3.3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 7 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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			
				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
JF432	Soil			0.7	17.8	3.6	52	<0.1	24.2	9.0	400	2.48	2.5	<0.5	1.2	182	<0.1	0.1	<0.1	59	0.42	0.119	8	
JF433	Soil			0.6	10.4	4.3	54	<0.1	10.6	6.7	434	2.05	2.2	<0.1	0.6	24	<0.1	<0.1	<0.1	47	0.21	0.068	5	
JF434	Soil			0.4	10.6	5.9	60	<0.1	10.9	5.8	314	2.08	2.6	<0.1	0.9	43	<0.1	0.1	<0.1	46	0.29	0.082	5	
JF435	Soil			0.5	16.9	3.9	51	<0.1	22.2	9.7	623	2.42	1.7	<0.5	1.1	44	<0.1	<0.1	<0.1	60	0.40	0.105	8	
JF436	Soil			0.6	14.3	5.2	66	<0.1	17.0	9.5	429	2.47	2.9	<0.5	0.9	37	0.2	0.2	0.1	66	0.30	0.095	6	
JF437	Soil			0.7	13.9	5.6	68	<0.1	16.4	9.5	449	2.54	2.8	<0.5	0.9	38	0.1	0.2	0.1	68	0.31	0.096	7	
JF438	Soil			0.6	13.8	5.1	63	<0.1	16.0	9.5	411	2.53	2.8	<0.5	1.0	36	0.1	0.2	0.1	67	0.29	0.094	6	
JF439	Soil			0.4	6.5	5.4	55	<0.1	7.4	4.5	342	1.36	1.2	<0.5	0.6	37	<0.1	<0.1	<0.1	40	0.23	0.027	5	
JF440	Soil			0.3	5.1	5.6	51	<0.1	6.9	4.0	275	1.32	1.0	<0.5	0.5	40	<0.1	<0.1	<0.1	38	0.21	0.031	4	
JF441	Soil			0.5	7.3	5.9	64	<0.1	9.9	5.3	540	1.66	1.3	<0.5	0.8	43	<0.1	0.1	<0.1	49	0.24	0.042	5	
JF442	Soil			0.4	8.2	5.2	50	<0.1	8.9	4.3	268	1.59	1.3	<0.5	0.7	41	<0.1	0.1	<0.1	44	0.22	0.029	5	
JF443	Soil			0.4	7.4	5.5	54	<0.1	9.1	4.4	554	1.51	1.3	<0.5	0.6	43	<0.1	0.1	<0.1	48	0.24	0.034	6	
JF444	Soil			0.5	11.4	5.4	63	<0.1	13.5	6.2	332	2.10	2.2	<0.5	0.9	45	<0.1	0.1	0.2	59	0.25	0.070	5	
JF445	Soil			0.4	10.4	4.9	71	<0.1	15.1	6.6	246	2.06	1.7	<0.5	0.9	40	<0.1	0.1	<0.1	62	0.28	0.060	5	
JF446	Soil			0.4	8.1	4.5	59	<0.1	14.2	6.2	289	1.67	2.0	<0.5	0.8	41	<0.1	0.1	<0.1	51	0.22	0.084	4	
JF447	Soil			0.5	9.8	5.5	56	<0.1	11.3	5.3	202	1.73	1.9	<0.5	0.9	30	<0.1	0.1	<0.1	45	0.21	0.086	5	
JF448	Soil			0.2	7.4	7.4	54	<0.1	8.7	3.4	140	1.09	0.8	<0.5	0.9	63	<0.1	<0.1	<0.1	28	0.33	0.027	6	
JF449	Soil			0.5	9.7	5.2	51	<0.1	12.1	6.1	234	1.83	2.5	<0.5	0.9	40	<0.1	0.1	<0.1	51	0.22	0.065	5	
JF450	Soil			0.5	8.6	5.5	64	<0.1	11.5	5.6	208	1.85	2.6	<0.5	1.0	42	<0.1	0.1	<0.1	52	0.23	0.105	5	
JF451	Soil			0.4	10.8	5.2	39	<0.1	11.6	6.6	186	2.02	2.9	<0.5	0.6	124	<0.1	0.2	<0.1	60	0.43	0.055	9	
JF452	Soil			0.5	11.0	5.4	71	<0.1	12.9	7.0	262	2.27	3.1	<0.5	0.9	71	<0.1	0.2	<0.1	69	0.30	0.073	5	
JF453	Soil			0.4	11.3	5.4	56	<0.1	13.8	6.6	321	2.06	2.7	<0.5	0.9	72	<0.1	0.2	<0.1	64	0.32	0.044	6	
JF454	Soil			0.5	8.7	5.1	58	<0.1	12.1	5.5	313	2.00	2.5	<0.5	0.9	74	<0.1	0.2	<0.1	61	0.30	0.037	5	
JF455	Soil			0.6	11.1	5.1	47	<0.1	12.2	6.3	420	2.12	2.4	<0.5	1.0	116	<0.1	0.2	<0.1	66	0.46	0.020	8	
JF456	Soil			0.6	12.0	6.0	52	<0.1	11.4	6.3	569	2.07	2.8	<0.5	0.9	98	<0.1	0.2	<0.1	65	0.48	0.038	7	
JF457	Soil			0.5	22.7	5.8	62	<0.1	16.0	8.2	426	2.80	4.4	<0.5	1.3	120	<0.1	0.3	<0.1	75	0.70	0.052	13	
JF458	Soil			0.8	18.9	6.5	56	<0.1	16.8	10.9	600	3.17	3.2	<0.5	1.5	100	<0.1	0.3	<0.1	81	0.73	0.036	21	
JF459	Soil			0.6	15.8	6.0	91	<0.1	14.5	9.4	670	2.92	3.7	<0.5	0.8	76	0.2	0.2	<0.1	78	0.68	0.104	10	
BM11S-44	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
JF460	Soil			0.7	16.5	6.1	65	<0.1	10.3	8.8	477	2.56	4.9	<0.5	0.9	58	0.2	0.3	<0.1	73	0.36	0.173	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 7 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JF432	Soil	21	0.68	98	0.114	1	2.65	0.023	0.06	<0.1	0.02	3.1	<0.1	<0.05	8	<0.5	<0.2
JF433	Soil	16	0.43	63	0.074	2	2.06	0.016	0.06	<0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
JF434	Soil	13	0.36	91	0.081	2	2.62	0.015	0.08	<0.1	0.01	2.6	<0.1	<0.05	9	<0.5	<0.2
JF435	Soil	9	0.53	62	0.137	2	2.02	0.025	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
JF436	Soil	18	0.39	80	0.124	2	2.02	0.021	0.06	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
JF437	Soil	19	0.39	83	0.130	2	2.02	0.019	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
JF438	Soil	18	0.37	74	0.124	2	1.98	0.019	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
JF439	Soil	11	0.22	73	0.101	<1	1.12	0.018	0.06	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
JF440	Soil	10	0.19	78	0.119	<1	1.10	0.016	0.07	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
JF441	Soil	14	0.24	117	0.128	1	1.47	0.015	0.07	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
JF442	Soil	13	0.23	108	0.109	<1	1.31	0.019	0.07	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
JF443	Soil	14	0.22	94	0.110	1	1.22	0.016	0.06	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
JF444	Soil	17	0.31	122	0.112	<1	1.86	0.015	0.10	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
JF445	Soil	20	0.32	92	0.121	<1	1.69	0.017	0.08	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JF446	Soil	18	0.23	94	0.125	1	1.47	0.018	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
JF447	Soil	14	0.23	99	0.086	<1	1.53	0.015	0.06	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
JF448	Soil	13	0.28	98	0.114	<1	1.35	0.021	0.05	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
JF449	Soil	14	0.24	105	0.118	<1	1.58	0.018	0.07	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
JF450	Soil	15	0.23	110	0.108	<1	1.66	0.016	0.07	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
JF451	Soil	19	0.40	138	0.132	<1	1.37	0.026	0.09	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
JF452	Soil	20	0.32	138	0.126	<1	1.54	0.018	0.07	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
JF453	Soil	21	0.34	117	0.121	<1	1.43	0.016	0.10	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
JF454	Soil	20	0.29	118	0.139	1	1.26	0.017	0.08	<0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
JF455	Soil	20	0.37	152	0.145	1	1.21	0.022	0.19	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
JF456	Soil	19	0.36	148	0.136	2	1.16	0.026	0.15	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
JF457	Soil	24	0.55	145	0.117	2	1.78	0.025	0.16	<0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
JF458	Soil	23	0.66	168	0.119	1	2.26	0.033	0.10	<0.1	0.04	6.4	<0.1	<0.05	7	<0.5	<0.2
JF459	Soil	22	0.50	154	0.114	2	1.88	0.027	0.07	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
BM11S-44	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JF460	Soil	18	0.38	165	0.109	1	1.60	0.017	0.09	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 8 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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
JF461	Soil			0.6	12.1	5.0	45	<0.1	10.3	6.5	302	2.20	2.7	0.5	0.9	66	<0.1	0.2	<0.1	65	0.33	0.053	6
JF462	Soil			0.6	10.0	4.7	60	<0.1	16.5	7.2	610	2.15	1.9	<0.5	0.9	42	<0.1	0.2	<0.1	61	0.29	0.068	6
JF463	Soil			0.5	31.4	4.2	49	<0.1	59.4	15.8	310	2.94	1.7	<0.5	1.8	37	<0.1	<0.1	<0.1	67	0.46	0.195	9
JF464	Soil			0.6	24.7	5.0	53	<0.1	27.7	10.9	275	2.88	2.2	<0.5	1.5	40	<0.1	0.2	<0.1	71	0.35	0.065	8
JF465	Soil			0.6	24.6	4.7	54	0.1	32.7	11.4	314	2.80	2.0	222.7	1.4	38	<0.1	0.2	<0.1	70	0.34	0.069	7
JF466	Soil			0.6	25.1	4.7	51	<0.1	29.5	10.8	285	2.93	2.4	<0.5	1.4	46	<0.1	0.2	<0.1	74	0.33	0.055	7
JF467	Soil			0.6	24.1	4.8	51	<0.1	28.2	10.8	260	2.83	2.2	5.5	1.4	45	<0.1	0.2	<0.1	72	0.32	0.052	7
JF468	Soil			0.7	10.5	6.0	66	<0.1	8.9	5.9	588	1.85	2.6	0.8	0.8	21	0.1	0.2	<0.1	44	0.23	0.096	5
JF469	Soil			0.6	12.8	6.1	63	<0.1	9.8	6.1	654	1.94	2.8	28.9	0.9	20	0.1	0.2	<0.1	48	0.23	0.088	4
JF470	Soil			0.6	10.9	6.7	74	<0.1	8.3	5.3	835	1.90	3.0	<0.5	0.9	20	0.1	0.1	0.1	45	0.27	0.100	5
JF471	Soil			0.6	6.6	5.9	79	<0.1	8.4	4.2	499	1.49	1.7	1.0	0.7	16	<0.1	0.1	0.2	38	0.22	0.064	4
JF472	Soil			0.7	8.8	6.8	91	<0.1	8.2	5.3	623	1.67	1.6	1.3	0.9	17	0.1	0.1	0.1	44	0.25	0.092	4
JF473	Soil			1.3	10.7	6.9	69	<0.1	6.6	6.2	1060	2.10	1.7	0.5	0.7	30	0.2	0.2	<0.1	51	0.43	0.065	6
JF474	Soil			0.8	9.1	6.5	79	0.1	6.6	4.7	296	1.84	2.6	0.9	0.9	14	<0.1	0.1	0.1	41	0.18	0.117	5
JF475	Soil			0.9	7.6	7.3	58	<0.1	6.0	5.0	397	1.87	2.3	3.9	0.8	14	<0.1	0.2	0.1	43	0.19	0.135	5
JF476	Soil			0.8	10.8	5.2	55	<0.1	6.2	5.0	698	1.81	1.0	1.9	0.7	23	0.2	0.2	<0.1	47	0.38	0.025	10
JF477	Soil			0.7	12.2	6.6	92	0.2	8.7	6.2	411	2.23	3.1	0.6	1.1	19	<0.1	0.2	0.1	46	0.24	0.095	6
JF478	Soil			0.8	10.7	7.2	85	<0.1	8.7	6.8	1648	2.29	2.9	2.8	0.8	26	0.2	0.3	0.2	51	0.46	0.157	6
JF479	Soil			0.6	13.4	6.4	53	<0.1	9.4	6.3	480	2.22	2.0	2.7	1.0	28	<0.1	0.3	0.1	53	0.47	0.034	11
JF480	Soil			0.6	14.3	6.4	56	<0.1	9.7	6.3	484	2.27	2.2	2.2	0.9	28	<0.1	0.3	<0.1	55	0.50	0.032	11
JF481	Soil			0.7	13.7	6.7	82	<0.1	10.5	7.0	449	2.28	2.1	0.7	1.0	25	<0.1	0.2	0.1	53	0.43	0.065	7
JF482	Soil			0.8	56.0	7.9	85	0.5	22.0	9.1	862	3.41	2.9	0.5	1.7	79	0.4	0.3	0.1	52	1.57	0.062	63
JF483	Soil			0.7	89.0	8.4	81	0.4	25.2	11.8	1274	3.71	4.6	1.2	1.7	97	0.3	0.5	0.1	58	1.48	0.094	98
JF484	Soil			0.6	9.7	6.2	69	<0.1	7.4	5.4	439	2.00	2.2	<0.5	0.7	21	<0.1	0.2	0.1	52	0.22	0.058	4
JF485	Soil			0.7	12.5	6.3	68	<0.1	9.1	6.7	549	2.33	2.6	<0.5	0.9	30	<0.1	0.2	<0.1	58	0.31	0.069	6
JF486	Soil			0.9	15.6	6.4	68	<0.1	9.9	7.1	680	2.66	2.8	0.7	1.0	37	<0.1	0.3	<0.1	63	0.39	0.047	6
JF487	Soil			1.0	11.5	6.9	71	<0.1	9.0	6.3	559	2.25	2.5	<0.5	0.8	28	<0.1	0.3	0.1	57	0.29	0.059	5
JF488	Soil			0.9	11.2	6.9	68	<0.1	8.4	6.2	619	2.19	2.1	<0.5	0.7	27	<0.1	0.3	<0.1	54	0.31	0.058	5
JF489	Soil			0.7	12.8	6.8	61	<0.1	9.2	6.7	587	2.33	2.5	<0.5	0.8	30	<0.1	0.3	0.1	57	0.30	0.066	5
JF490	Soil			0.7	13.2	6.7	92	<0.1	10.3	6.9	822	2.22	2.5	2.0	1.1	31	<0.1	0.2	0.1	50	0.36	0.102	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.



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 8 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JF461	Soil	17	0.34	126	0.124	1	1.24	0.017	0.09	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
JF462	Soil	23	0.37	121	0.108	1	1.48	0.020	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
JF463	Soil	40	0.99	119	0.141	1	3.07	0.033	0.06	<0.1	0.02	2.3	<0.1	<0.05	8	<0.5	<0.2
JF464	Soil	34	0.67	141	0.109	1	3.17	0.017	0.06	<0.1	0.03	2.5	<0.1	<0.05	8	<0.5	<0.2
JF465	Soil	36	0.68	129	0.119	<1	3.21	0.017	0.06	<0.1	0.02	2.4	<0.1	<0.05	8	<0.5	<0.2
JF466	Soil	35	0.65	127	0.105	<1	2.78	0.016	0.06	<0.1	0.02	2.5	<0.1	<0.05	8	<0.5	<0.2
JF467	Soil	35	0.64	122	0.102	<1	2.67	0.015	0.05	<0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
JF468	Soil	12	0.28	127	0.066	1	2.01	0.014	0.08	<0.1	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2
JF469	Soil	13	0.28	146	0.059	<1	1.98	0.014	0.08	<0.1	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2
JF470	Soil	12	0.27	138	0.047	<1	1.92	0.014	0.07	<0.1	0.03	1.9	<0.1	<0.05	7	<0.5	<0.2
JF471	Soil	9	0.21	106	0.043	5	1.49	0.016	0.09	<0.1	0.02	1.5	<0.1	<0.05	7	0.8	<0.2
JF472	Soil	11	0.23	105	0.058	2	1.72	0.018	0.08	<0.1	0.02	2.0	<0.1	<0.05	7	0.6	<0.2
JF473	Soil	12	0.28	147	0.034	2	1.27	0.014	0.07	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
JF474	Soil	10	0.23	112	0.033	2	1.59	0.014	0.05	<0.1	0.02	2.1	<0.1	<0.05	7	<0.5	<0.2
JF475	Soil	10	0.20	98	0.044	3	1.49	0.013	0.06	0.1	0.02	1.8	<0.1	<0.05	7	<0.5	<0.2
JF476	Soil	12	0.25	83	0.054	2	1.19	0.019	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
JF477	Soil	12	0.31	78	0.056	1	2.19	0.016	0.06	<0.1	0.02	2.7	<0.1	<0.05	8	0.7	<0.2
JF478	Soil	11	0.32	162	0.053	2	1.75	0.012	0.10	<0.1	0.03	2.7	<0.1	<0.05	7	0.9	<0.2
JF479	Soil	15	0.39	90	0.093	4	1.76	0.025	0.06	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
JF480	Soil	16	0.38	94	0.082	2	1.73	0.023	0.06	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
JF481	Soil	16	0.36	107	0.075	3	1.99	0.016	0.08	<0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
JF482	Soil	26	0.74	246	0.032	3	4.45	0.021	0.12	<0.1	0.10	10.9	<0.1	0.08	12	3.3	<0.2
JF483	Soil	29	0.87	225	0.031	3	4.01	0.020	0.14	<0.1	0.13	14.9	<0.1	0.07	12	3.0	<0.2
JF484	Soil	13	0.29	79	0.074	4	1.39	0.014	0.06	<0.1	0.01	2.2	<0.1	<0.05	6	0.5	<0.2
JF485	Soil	17	0.37	91	0.077	1	1.68	0.019	0.07	<0.1	0.02	2.8	<0.1	<0.05	6	1.1	<0.2
JF486	Soil	17	0.46	109	0.082	3	1.45	0.015	0.08	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
JF487	Soil	15	0.36	86	0.075	<1	1.41	0.018	0.07	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
JF488	Soil	15	0.36	94	0.073	2	1.35	0.015	0.06	<0.1	0.02	2.5	<0.1	<0.05	6	0.8	<0.2
JF489	Soil	15	0.39	89	0.069	<1	1.52	0.020	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
JF490	Soil	14	0.35	131	0.072	1	1.82	0.016	0.07	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 9 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	
JF491	Soil		0.7	12.6	7.2	91	<0.1	9.8	6.5	835	2.19	2.3	0.7	1.0	28	0.1	0.2	0.1	47	0.34	0.108	6
JF492	Soil		0.8	13.3	7.1	98	<0.1	10.9	7.1	762	2.21	2.0	<0.5	1.1	30	0.2	0.2	0.1	51	0.35	0.111	6
JF493	Soil		0.4	8.5	5.5	36	<0.1	6.2	4.6	293	1.58	0.8	<0.5	0.6	25	<0.1	0.2	<0.1	43	0.31	0.033	9
JF494	Soil		0.6	7.5	6.3	76	<0.1	6.8	4.8	546	1.63	1.5	1.6	0.9	25	0.1	0.1	<0.1	36	0.27	0.183	4
JF495	Soil		0.7	9.7	6.2	59	<0.1	6.8	5.1	505	1.92	2.2	0.6	0.8	29	<0.1	0.2	<0.1	50	0.31	0.072	8
JF496	Soil		0.6	8.8	5.8	49	<0.1	6.5	5.0	163	1.97	2.5	<0.5	0.8	20	<0.1	0.2	<0.1	45	0.21	0.121	5
JF497	Soil		0.6	10.8	6.7	72	<0.1	9.5	6.1	367	2.16	2.2	<0.5	1.0	20	<0.1	0.2	0.1	47	0.23	0.167	6
JF498	Soil		0.9	28.1	7.9	63	0.3	17.8	8.4	836	2.79	3.3	<0.5	1.3	59	0.4	0.2	0.1	65	0.94	0.036	23
JF499	Soil		0.7	9.3	6.8	64	<0.1	10.1	5.3	175	1.83	1.7	1.4	0.6	35	<0.1	0.1	0.1	46	0.27	0.045	5
JF500	Soil		0.5	7.5	8.0	47	<0.1	8.9	5.2	263	1.67	1.7	1.6	0.5	34	<0.1	0.2	0.1	51	0.28	0.035	5
JF501	Soil		0.5	9.3	6.3	44	<0.1	7.4	4.7	131	1.53	1.7	<0.5	0.9	19	<0.1	0.1	0.1	38	0.13	0.080	5
JF502	Soil		0.7	18.0	5.5	54	<0.1	12.2	8.7	270	3.17	4.3	2.0	1.1	28	<0.1	0.3	<0.1	84	0.24	0.077	5
JF503	Soil		0.7	8.8	6.0	56	<0.1	9.3	6.2	264	2.36	1.9	<0.5	0.8	34	0.1	0.2	<0.1	60	0.24	0.056	5
BM11S-47	Rock Pulp		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JF504	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.
JF505	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.
JF506	Soil		0.4	9.0	5.5	51	<0.1	6.9	5.2	316	1.93	1.5	0.8	0.7	38	<0.1	0.2	0.1	52	0.26	0.025	6
JF507	Soil		0.5	8.3	5.6	50	<0.1	6.8	5.1	373	1.89	1.1	0.7	0.7	39	<0.1	0.2	0.1	52	0.26	0.027	7
JF508	Soil		0.4	8.6	5.8	47	<0.1	6.8	5.5	431	1.81	1.8	1.6	0.7	32	<0.1	0.2	0.1	56	0.25	0.024	7
JF509	Soil		0.4	10.2	6.3	48	<0.1	9.1	6.6	351	2.01	2.3	7.4	0.9	44	<0.1	0.2	<0.1	59	0.28	0.035	8
JF510	Soil		1.2	12.9	7.6	63	0.1	10.9	7.6	500	2.27	2.6	<0.5	1.1	28	0.1	0.1	0.1	52	0.10	0.058	6
JF511	Soil		1.2	13.7	7.6	61	<0.1	11.3	7.9	738	2.21	2.6	1.5	1.2	22	0.1	0.2	0.2	52	0.11	0.076	6
JF512	Soil		1.4	14.8	7.9	65	<0.1	12.0	8.0	659	2.30	2.9	3.3	1.3	24	0.2	0.1	0.2	52	0.12	0.075	6
JF513	Soil		0.9	13.0	6.2	63	<0.1	12.2	7.0	498	2.11	2.8	0.7	1.1	21	0.1	0.2	<0.1	59	0.15	0.088	5
JF514	Soil		0.5	13.5	5.9	80	<0.1	11.6	7.2	415	2.46	3.6	1.3	1.0	33	<0.1	0.2	0.1	70	0.23	0.102	5
JF515	Soil		1.2	12.3	5.9	63	<0.1	10.6	7.0	456	2.14	2.9	1.4	1.0	24	<0.1	0.2	0.1	57	0.16	0.085	5
JF516	Soil		0.7	9.1	5.9	55	<0.1	8.9	7.1	549	1.96	1.7	0.9	0.9	31	<0.1	0.1	0.1	53	0.21	0.071	5
JF517	Soil		0.7	10.3	5.9	38	<0.1	9.3	6.5	424	1.83	1.6	<0.5	0.9	32	<0.1	0.1	<0.1	60	0.29	0.012	11
JF518	Soil		0.5	8.4	5.2	34	<0.1	8.8	5.6	424	1.69	1.7	2.5	0.8	32	<0.1	0.1	<0.1	50	0.36	0.017	9
JF519	Soil		0.5	9.5	5.8	49	<0.1	9.6	6.7	476	1.95	1.7	1.3	0.8	38	<0.1	0.1	<0.1	61	0.44	0.022	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 9 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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	
JF491	Soil	14	0.34	134	0.062	2	1.72	0.016	0.07	<0.1	0.04	2.4	<0.1	<0.05	7	<0.5	<0.2
JF492	Soil	15	0.36	135	0.075	2	1.94	0.017	0.07	<0.1	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2
JF493	Soil	11	0.24	71	0.066	2	1.12	0.016	0.06	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
JF494	Soil	10	0.20	163	0.060	2	1.54	0.016	0.08	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
JF495	Soil	12	0.28	85	0.075	2	1.22	0.016	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	1.3	<0.2
JF496	Soil	12	0.23	111	0.051	1	1.42	0.015	0.06	<0.1	0.04	2.2	<0.1	<0.05	6	0.6	<0.2
JF497	Soil	14	0.27	131	0.058	3	1.81	0.015	0.07	<0.1	0.01	2.4	<0.1	<0.05	8	<0.5	<0.2
JF498	Soil	24	0.52	116	0.095	1	2.91	0.031	0.06	<0.1	0.04	5.7	<0.1	<0.05	9	<0.5	<0.2
JF499	Soil	14	0.29	104	0.081	<1	1.68	0.024	0.04	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
JF500	Soil	14	0.30	79	0.087	2	1.25	0.022	0.04	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
JF501	Soil	10	0.20	91	0.064	<1	1.86	0.018	0.04	<0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
JF502	Soil	19	0.44	107	0.082	2	2.26	0.013	0.06	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
JF503	Soil	14	0.33	98	0.099	1	2.05	0.020	0.05	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
BM11S-47	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JF504	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.
JF505	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.
JF506	Soil	14	0.32	88	0.083	2	1.44	0.021	0.04	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JF507	Soil	13	0.30	89	0.079	1	1.31	0.020	0.04	<0.1	<0.01	2.1	<0.1	<0.05	5	0.6	<0.2
JF508	Soil	14	0.25	84	0.078	<1	1.16	0.019	0.03	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
JF509	Soil	16	0.34	103	0.084	1	1.52	0.015	0.04	<0.1	<0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
JF510	Soil	14	0.26	115	0.057	<1	2.75	0.012	0.06	<0.1	0.02	2.1	<0.1	<0.05	8	<0.5	<0.2
JF511	Soil	15	0.29	99	0.077	2	2.73	0.012	0.06	0.1	0.03	2.4	<0.1	<0.05	8	<0.5	<0.2
JF512	Soil	16	0.32	101	0.083	<1	2.75	0.013	0.07	<0.1	0.02	2.5	<0.1	<0.05	8	<0.5	<0.2
JF513	Soil	16	0.25	106	0.093	<1	2.06	0.013	0.06	<0.1	0.01	2.1	<0.1	<0.05	7	<0.5	<0.2
JF514	Soil	19	0.34	129	0.101	1	2.00	0.013	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
JF515	Soil	15	0.26	99	0.087	1	2.31	0.016	0.08	<0.1	0.01	2.2	<0.1	<0.05	7	<0.5	<0.2
JF516	Soil	15	0.25	89	0.095	<1	1.83	0.014	0.08	<0.1	<0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
JF517	Soil	17	0.33	65	0.101	1	1.45	0.028	0.03	<0.1	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
JF518	Soil	15	0.30	63	0.088	<1	1.39	0.025	0.04	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
JF519	Soil	17	0.31	70	0.109	<1	1.46	0.034	0.05	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 10 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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
JF520	Soil			0.7	15.2	6.2	46	0.1	13.2	8.2	671	2.30	2.5	1.9	1.0	41	0.1	0.2	<0.1	73	0.55	0.024	18
JF521	Soil			1.2	36.3	8.1	49	0.3	20.2	10.5	1073	2.90	4.5	0.8	0.9	49	0.3	0.2	0.1	73	1.01	0.058	43
JF522	Soil			1.8	12.3	6.0	40	<0.1	12.2	8.7	389	2.16	3.4	1.4	1.0	50	0.1	0.2	<0.1	69	0.45	0.020	11
JF523	Soil			0.5	13.2	4.9	46	<0.1	11.5	6.8	387	2.19	2.1	4.6	1.0	44	0.1	0.2	<0.1	66	0.46	0.017	8
JF524	Soil			0.4	12.9	5.2	44	<0.1	9.7	5.6	247	1.90	1.7	1.5	0.9	31	<0.1	0.1	<0.1	53	0.38	0.024	8
JF525	Soil			0.5	11.0	6.3	47	<0.1	9.8	6.2	327	1.88	1.6	29.7	0.8	32	<0.1	0.1	<0.1	56	0.38	0.024	8
JF526	Soil			0.6	12.6	7.0	49	<0.1	10.3	6.6	381	1.99	2.2	1.7	0.9	38	0.1	0.2	<0.1	60	0.42	0.031	9
JF527	Soil			0.8	14.6	6.6	63	<0.1	13.4	8.2	425	2.42	3.9	0.6	1.1	28	<0.1	0.2	0.1	67	0.18	0.075	6
JF528	Soil			0.8	15.5	4.7	54	<0.1	12.0	8.0	330	2.44	3.3	1.1	0.9	20	<0.1	0.2	<0.1	71	0.20	0.061	4
JF529	Soil			1.7	20.7	6.1	52	<0.1	12.2	10.0	558	2.64	3.5	1.4	0.9	26	0.1	0.3	<0.1	79	0.39	0.034	5
JF530	Soil			1.0	12.6	6.0	51	<0.1	11.0	7.3	344	2.34	2.3	2.0	0.8	27	<0.1	0.2	<0.1	66	0.23	0.044	5
JF531	Soil			1.1	28.6	8.2	58	<0.1	15.4	11.3	1017	2.66	4.5	0.6	1.4	90	0.1	0.3	<0.1	68	0.75	0.066	29
JF532	Soil			0.7	14.4	6.5	75	<0.1	11.8	8.1	196	2.26	3.3	0.8	1.2	19	<0.1	0.2	0.1	56	0.21	0.125	5
JF533	Soil			1.5	24.7	8.2	75	<0.1	13.7	9.2	639	2.50	2.6	1.4	0.9	28	0.3	0.2	0.1	66	0.47	0.054	13
JF534	Soil			0.8	19.0	7.4	82	<0.1	14.0	8.7	794	2.39	2.4	0.8	1.2	32	0.2	0.3	0.1	60	0.36	0.092	8
JF535	Soil			0.8	13.1	6.6	68	<0.1	9.3	6.6	443	1.93	2.0	1.0	1.0	19	<0.1	0.2	0.1	48	0.22	0.132	5
JF536	Soil			0.7	25.2	6.3	59	<0.1	14.0	9.5	293	2.68	3.4	<0.5	1.3	31	<0.1	0.3	0.1	71	0.27	0.066	7
JF537	Soil			0.6	14.3	6.8	66	0.2	12.0	7.1	730	1.99	2.4	0.6	1.0	19	0.1	0.1	0.1	50	0.21	0.101	8
JF538	Soil			0.8	20.2	7.1	60	<0.1	13.9	8.9	511	2.44	2.5	<0.5	1.3	21	<0.1	0.2	0.1	59	0.18	0.067	7
JF539	Soil			0.8	15.4	6.6	64	0.1	13.3	8.2	306	2.47	3.1	8.9	1.0	26	<0.1	0.2	<0.1	62	0.24	0.092	5
JF540	Soil			0.5	16.6	5.9	57	<0.1	10.7	7.0	655	2.28	2.3	<0.5	1.0	45	<0.1	0.2	<0.1	61	0.43	0.026	13
JF541	Soil			0.5	8.8	6.8	50	<0.1	9.5	6.1	494	1.81	1.8	<0.5	0.8	26	<0.1	0.1	<0.1	47	0.23	0.059	5
JF542	Soil			0.6	9.4	6.7	72	<0.1	11.3	6.4	520	1.94	1.8	0.6	0.9	28	<0.1	0.2	0.1	50	0.24	0.079	5
JF543	Soil			0.5	10.2	6.0	85	<0.1	9.9	5.7	417	1.82	2.3	1.0	1.0	25	0.2	0.1	<0.1	43	0.24	0.175	5
JF544	Soil			0.6	13.3	6.5	71	<0.1	10.6	5.6	358	2.05	2.6	7.4	1.1	31	0.1	0.2	0.1	50	0.30	0.116	6
JF545	Soil			0.6	12.1	6.7	73	<0.1	10.4	6.0	428	2.07	2.5	<0.5	1.1	31	0.1	0.2	0.1	49	0.29	0.125	6
JF546	Soil			0.5	12.5	7.0	77	0.1	9.9	5.8	453	2.01	2.5	<0.5	1.1	31	0.1	0.2	0.1	48	0.29	0.130	6
JF547	Soil			0.5	12.0	6.9	76	0.1	10.5	5.9	450	2.06	2.4	2.2	1.0	32	0.2	0.2	0.1	48	0.31	0.133	6
JF548	Soil			0.6	18.4	6.6	51	<0.1	11.9	7.7	599	2.37	2.7	<0.5	1.3	62	<0.1	0.2	<0.1	62	0.60	0.035	26
JF549	Soil			0.6	17.9	7.1	52	0.1	12.1	7.8	667	2.36	2.6	12.6	1.3	60	<0.1	0.2	0.1	62	0.56	0.037	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 10 of 11 Part 2

# CERTIFICATE OF ANALYSIS

VAN1100444.1

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
JF520	Soil	21	0.49	68	0.106	1	1.83	0.042	0.04	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
JF521	Soil	26	0.70	125	0.050	1	3.51	0.040	0.06	<0.1	0.04	9.8	<0.1	<0.05	10	0.7	<0.2
JF522	Soil	20	0.46	99	0.102	2	1.63	0.025	0.05	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
JF523	Soil	20	0.46	89	0.112	<1	1.31	0.027	0.05	<0.1	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
JF524	Soil	15	0.37	87	0.082	1	1.49	0.028	0.05	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
JF525	Soil	16	0.35	92	0.086	<1	1.30	0.021	0.04	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
JF526	Soil	18	0.38	104	0.106	<1	1.34	0.024	0.05	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
JF527	Soil	19	0.33	116	0.103	2	2.23	0.015	0.05	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
JF528	Soil	18	0.33	92	0.075	<1	1.91	0.014	0.05	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
JF529	Soil	20	0.41	108	0.080	1	1.61	0.017	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
JF530	Soil	16	0.29	95	0.083	1	1.65	0.014	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
JF531	Soil	21	0.63	161	0.108	2	1.90	0.028	0.09	<0.1	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
JF532	Soil	16	0.29	103	0.088	1	2.17	0.015	0.06	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
JF533	Soil	19	0.43	116	0.080	2	1.93	0.015	0.08	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
JF534	Soil	18	0.46	110	0.105	2	2.51	0.014	0.08	<0.1	0.02	3.5	<0.1	<0.05	8	<0.5	<0.2
JF535	Soil	11	0.27	82	0.077	<1	1.87	0.013	0.05	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
JF536	Soil	20	0.50	112	0.089	2	2.32	0.013	0.06	<0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
JF537	Soil	16	0.25	83	0.078	<1	2.19	0.014	0.05	<0.1	0.03	2.6	<0.1	<0.05	8	<0.5	<0.2
JF538	Soil	18	0.41	108	0.079	<1	3.07	0.013	0.06	<0.1	0.02	3.0	<0.1	<0.05	9	<0.5	<0.2
JF539	Soil	18	0.35	114	0.087	2	2.06	0.015	0.07	<0.1	0.03	2.6	<0.1	<0.05	7	<0.5	<0.2
JF540	Soil	18	0.41	124	0.102	<1	1.49	0.019	0.05	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
JF541	Soil	12	0.24	115	0.079	1	1.87	0.021	0.08	<0.1	0.02	2.0	<0.1	<0.05	7	<0.5	<0.2
JF542	Soil	14	0.25	114	0.083	1	1.65	0.017	0.06	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
JF543	Soil	12	0.21	114	0.076	2	1.64	0.019	0.05	<0.1	<0.01	1.9	<0.1	<0.05	7	<0.5	<0.2
JF544	Soil	14	0.31	126	0.089	2	1.81	0.019	0.06	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
JF545	Soil	15	0.31	127	0.087	2	1.70	0.018	0.06	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
JF546	Soil	15	0.31	128	0.088	2	1.72	0.018	0.06	<0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
JF547	Soil	14	0.30	128	0.085	2	1.78	0.022	0.05	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
JF548	Soil	20	0.54	85	0.103	2	1.61	0.028	0.07	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
JF549	Soil	19	0.51	85	0.106	2	1.62	0.028	0.07	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 11 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN11004444.1

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	%	%	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	
JF550	Soil	0.8	17.1	6.5	48	<0.1	10.9	7.4	598	2.27	2.8	<0.5	1.3	62	0.1	0.2	<0.1	59	0.58	0.041	19
JF551	Soil	0.8	18.9	6.6	49	<0.1	12.0	7.4	597	2.39	3.1	<0.5	1.4	64	<0.1	0.3	<0.1	62	0.59	0.041	18
JF552	Soil	0.7	17.8	6.4	46	<0.1	11.9	7.9	541	2.40	3.1	2.8	1.5	66	<0.1	0.2	<0.1	63	0.59	0.039	16
JF553	Soil	0.8	17.8	7.2	52	0.1	11.1	7.8	663	2.35	3.1	0.6	1.4	65	<0.1	0.2	<0.1	64	0.63	0.040	18
JF554	Soil	0.8	17.8	7.3	51	0.1	11.3	7.6	727	2.31	2.8	<0.5	1.3	62	<0.1	0.3	<0.1	60	0.60	0.043	18
JF555	Soil	0.9	19.4	8.2	90	0.1	13.7	10.7	1358	2.99	4.3	<0.5	1.1	80	0.2	0.2	<0.1	80	0.59	0.115	9



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 11 of 11 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004444.1

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
JF550	Soil	18	0.51	84	0.094	1	1.47	0.026	0.08	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
JF551	Soil	20	0.54	87	0.103	2	1.55	0.031	0.06	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
JF552	Soil	20	0.55	86	0.107	2	1.53	0.028	0.08	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
JF553	Soil	19	0.52	88	0.110	2	1.56	0.034	0.07	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
JF554	Soil	19	0.51	87	0.106	2	1.52	0.028	0.07	<0.1	0.02	4.8	<0.1	<0.05	5	<0.5	<0.2
JF555	Soil	21	0.47	151	0.125	2	1.75	0.024	0.09	<0.1	0.04	4.3	<0.1	<0.05	6	<0.5	<0.2





Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere

**Report Date:** September 30, 2011

**Page:** 1 of 2 **Part** 1

QUALITY CONTROL REPORT

VAN11004444.1

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																					
JT305	Soil	0.3	8.9	5.4	48	<0.1	6.9	4.1	260	1.20	0.8	<0.5	0.8	26	<0.1	<0.1	<0.1	30	0.19	0.025	5
REP JT305	QC	0.3	8.8	5.4	47	<0.1	6.6	3.9	257	1.19	0.9	<0.5	0.8	26	<0.1	<0.1	<0.1	31	0.18	0.025	5
JT319	Soil	0.5	17.4	5.9	44	<0.1	6.2	6.7	335	2.19	1.7	<0.5	1.2	39	<0.1	<0.1	0.1	67	0.33	0.065	9
REP JT319	QC	0.6	17.3	5.8	45	<0.1	6.3	6.9	326	2.14	1.7	<0.5	1.1	38	<0.1	<0.1	0.1	64	0.32	0.059	9
JT337	Soil	0.9	14.4	6.4	64	0.1	11.7	7.9	592	2.34	3.2	<0.5	0.8	33	0.2	0.2	<0.1	59	0.34	0.061	7
REP JT337	QC	0.9	14.6	6.7	62	0.1	11.5	7.9	603	2.38	3.1	<0.5	0.8	31	0.2	0.2	0.1	58	0.34	0.064	7
JT360	Soil	0.5	12.1	5.8	64	<0.1	12.4	7.4	243	1.97	2.1	<0.5	1.0	29	<0.1	0.1	<0.1	55	0.23	0.062	5
REP JT360	QC	0.5	12.3	5.8	64	<0.1	12.5	7.0	243	1.96	2.3	<0.5	1.0	29	<0.1	0.2	<0.1	54	0.22	0.059	4
JT381	Soil	0.5	13.5	5.1	56	<0.1	15.0	6.6	362	2.16	3.2	<0.5	0.8	61	<0.1	0.2	<0.1	68	0.41	0.038	10
REP JT381	QC	0.5	13.6	5.0	59	<0.1	14.7	6.5	365	2.22	3.2	<0.5	0.8	61	<0.1	0.2	<0.1	67	0.41	0.038	10
JT387	Soil	0.9	21.8	7.6	46	0.2	10.4	6.9	797	2.07	3.5	0.8	0.9	35	0.1	0.1	0.1	51	0.48	0.033	26
REP JT387	QC	0.9	22.2	7.2	45	0.2	10.3	6.7	758	1.96	3.3	0.7	1.0	36	0.2	0.1	<0.1	48	0.50	0.033	26
JT410	Soil	0.5	10.4	5.7	40	<0.1	11.5	5.7	175	1.96	2.5	1.0	1.1	39	<0.1	0.2	<0.1	48	0.23	0.050	5
REP JT410	QC	0.4	10.5	5.8	41	<0.1	11.8	5.7	173	1.88	2.5	<0.5	1.0	38	<0.1	0.1	<0.1	48	0.24	0.051	5
JF423	Soil	0.4	22.7	6.4	50	<0.1	10.8	8.7	428	2.69	3.4	<0.5	1.2	54	<0.1	0.2	<0.1	71	0.21	0.064	6
REP JF423	QC	0.5	24.7	7.1	53	<0.1	11.1	8.4	449	2.81	4.3	1.5	1.3	57	<0.1	0.3	0.1	74	0.23	0.063	6
JF428	Soil	0.6	16.2	4.4	62	0.1	11.8	7.5	386	2.29	2.3	<0.5	1.1	27	<0.1	0.1	0.1	59	0.32	0.044	9
REP JF428	QC	0.6	16.4	4.5	61	0.1	11.5	7.2	387	2.25	2.3	<0.5	1.1	27	<0.1	0.1	<0.1	59	0.31	0.044	9
JF438	Soil	0.6	13.8	5.1	63	<0.1	16.0	9.5	411	2.53	2.8	<0.5	1.0	36	0.1	0.2	0.1	67	0.29	0.094	6
REP JF438	QC	0.7	14.5	5.3	63	<0.1	16.7	9.6	416	2.54	2.9	0.6	1.0	36	0.1	0.2	<0.1	67	0.30	0.098	7
JF467	Soil	0.6	24.1	4.8	51	<0.1	28.2	10.8	260	2.83	2.2	5.5	1.4	45	<0.1	0.2	<0.1	72	0.32	0.052	7
REP JF467	QC	0.6	25.2	4.7	51	<0.1	29.8	11.4	273	2.95	2.5	0.9	1.4	47	<0.1	0.2	<0.1	75	0.33	0.052	7
JF481	Soil	0.7	13.7	6.7	82	<0.1	10.5	7.0	449	2.28	2.1	0.7	1.0	25	<0.1	0.2	0.1	53	0.43	0.065	7
REP JF481	QC	0.8	15.0	6.9	89	<0.1	11.4	7.3	473	2.34	2.6	<0.5	1.0	26	0.1	0.2	0.1	56	0.44	0.069	7
JF496	Soil	0.6	8.8	5.8	49	<0.1	6.5	5.0	163	1.97	2.5	<0.5	0.8	20	<0.1	0.2	<0.1	45	0.21	0.121	5
REP JF496	QC	0.6	9.0	5.7	48	<0.1	7.1	4.7	162	1.86	2.3	1.0	0.8	20	<0.1	0.2	<0.1	43	0.19	0.125	5
JF514	Soil	0.5	13.5	5.9	80	<0.1	11.6	7.2	415	2.46	3.6	1.3	1.0	33	<0.1	0.2	0.1	70	0.23	0.102	5
REP JF514	QC	0.6	14.0	5.9	81	<0.1	10.9	7.1	415	2.45	3.7	1.5	1.0	33	0.1	0.2	0.1	72	0.23	0.106	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004444.1

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																	
JT305	Soil	9	0.22	80	0.071	<1	1.13	0.017	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
REP JT305	QC	9	0.21	78	0.068	<1	1.11	0.015	0.05	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
JT319	Soil	9	0.42	55	0.141	3	2.79	0.027	0.04	<0.1	0.03	3.4	<0.1	<0.05	8	0.8	<0.2
REP JT319	QC	9	0.40	53	0.133	1	2.74	0.025	0.04	<0.1	0.04	3.6	<0.1	<0.05	8	<0.5	<0.2
JT337	Soil	16	0.38	110	0.069	2	2.11	0.014	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
REP JT337	QC	16	0.37	114	0.069	1	2.10	0.014	0.06	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
JT360	Soil	15	0.29	120	0.089	1	1.85	0.016	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
REP JT360	QC	15	0.29	117	0.093	<1	1.87	0.019	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
JT381	Soil	23	0.41	113	0.108	1	1.47	0.025	0.08	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
REP JT381	QC	22	0.40	117	0.103	1	1.43	0.022	0.08	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
JT387	Soil	15	0.37	70	0.049	1	1.92	0.021	0.05	<0.1	0.03	4.8	<0.1	0.06	7	<0.5	<0.2
REP JT387	QC	14	0.38	70	0.044	<1	1.91	0.024	0.05	<0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
JT410	Soil	15	0.28	106	0.076	<1	1.75	0.012	0.08	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
REP JT410	QC	15	0.29	110	0.074	<1	1.73	0.013	0.08	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
JF423	Soil	16	0.48	80	0.092	<1	2.84	0.017	0.05	<0.1	0.03	3.1	<0.1	<0.05	9	0.5	<0.2
REP JF423	QC	17	0.50	86	0.099	<1	2.88	0.017	0.05	<0.1	0.04	3.1	<0.1	<0.05	8	<0.5	<0.2
JF428	Soil	18	0.35	111	0.075	2	2.16	0.019	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
REP JF428	QC	19	0.36	111	0.071	2	2.14	0.019	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
JF438	Soil	18	0.37	74	0.124	2	1.98	0.019	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
REP JF438	QC	18	0.38	76	0.123	1	2.03	0.019	0.05	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
JF467	Soil	35	0.64	122	0.102	<1	2.67	0.015	0.05	<0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
REP JF467	QC	35	0.67	124	0.105	<1	2.77	0.016	0.05	<0.1	0.02	2.6	<0.1	<0.05	8	<0.5	<0.2
JF481	Soil	16	0.36	107	0.075	3	1.99	0.016	0.08	<0.1	0.02	3.0	<0.1	<0.05	8	<0.5	<0.2
REP JF481	QC	16	0.38	110	0.077	2	2.09	0.018	0.08	<0.1	0.02	3.3	<0.1	<0.05	7	0.5	<0.2
JF496	Soil	12	0.23	111	0.051	1	1.42	0.015	0.06	<0.1	0.04	2.2	<0.1	<0.05	6	0.6	<0.2
REP JF496	QC	11	0.24	109	0.051	<1	1.46	0.017	0.06	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
JF514	Soil	19	0.34	129	0.101	1	2.00	0.013	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
REP JF514	QC	18	0.34	131	0.101	1	2.04	0.012	0.06	<0.1	<0.01	2.9	<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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004444.1

		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
JF532	Soil	0.7	14.4	6.5	75	<0.1	11.8	8.1	196	2.26	3.3	0.8	1.2	19	<0.1	0.2	0.1	56	0.21	0.125	5
REP JF532	QC	0.7	14.0	6.1	74	<0.1	11.5	8.1	202	2.29	3.8	<0.5	1.1	20	<0.1	0.2	<0.1	57	0.20	0.122	5
JF552	Soil	0.7	17.8	6.4	46	<0.1	11.9	7.9	541	2.40	3.1	2.8	1.5	66	<0.1	0.2	<0.1	63	0.59	0.039	16
REP JF552	QC	0.6	18.0	6.3	44	<0.1	11.8	7.7	514	2.32	3.1	1.0	1.3	65	<0.1	0.3	<0.1	61	0.56	0.039	16
Reference Materials																					
STD DS8	Standard	15.1	119.2	119.4	329	2.0	41.3	8.0	634	2.57	26.0	106.8	6.3	66	2.4	5.6	6.0	49	0.71	0.080	15
STD DS8	Standard	14.0	109.1	123.8	317	1.9	40.1	8.0	623	2.56	24.5	120.3	6.1	65	2.2	5.4	6.0	46	0.73	0.081	15
STD DS8	Standard	13.5	106.2	123.7	320	1.9	37.3	7.0	633	2.54	25.9	113.7	6.6	73	2.6	6.4	7.0	43	0.70	0.078	17
STD DS8	Standard	13.8	113.8	114.5	318	1.8	39.0	7.7	609	2.42	26.4	114.1	6.0	66	2.3	5.3	6.0	43	0.69	0.079	15
STD DS8	Standard	13.9	115.8	125.4	322	1.9	40.9	7.8	633	2.52	25.3	117.7	7.2	69	2.4	6.1	6.7	45	0.75	0.076	16
STD DS8	Standard	11.3	107.4	121.3	302	1.8	37.9	7.5	573	2.27	25.5	101.1	6.4	57	2.2	5.0	6.2	42	0.61	0.075	11
STD DS8	Standard	13.7	115.6	119.1	302	1.8	40.1	8.0	608	2.44	26.1	105.3	6.7	62	2.4	5.4	6.0	46	0.71	0.074	16
STD DS8	Standard	11.2	98.6	107.1	285	1.6	33.5	6.6	540	2.21	23.8	93.0	5.1	53	2.0	4.5	5.1	39	0.59	0.073	11
STD DS8	Standard	13.2	111.5	124.1	325	1.7	39.2	7.7	607	2.47	25.3	116.0	6.7	72	2.4	5.5	6.8	41	0.74	0.083	15
STD DS8	Standard	11.8	106.5	112.6	286	1.6	35.9	7.4	562	2.30	23.7	114.2	6.1	57	2.2	4.8	6.0	40	0.61	0.075	13
STD DS8	Standard	13.4	98.6	120.0	309	2.0	36.7	6.5	603	2.39	23.3	106.1	6.1	68	2.5	5.2	6.6	38	0.64	0.075	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN1100444.1

		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
JF532	Soil	16	0.29	103	0.088	1	2.17	0.015	0.06	<0.1	0.02	2.8	<0.1	<0.05	7	<0.5	<0.2
REP JF532	QC	16	0.27	102	0.088	2	2.15	0.014	0.06	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
JF552	Soil	20	0.55	86	0.107	2	1.53	0.028	0.08	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
REP JF552	QC	19	0.54	86	0.104	2	1.52	0.025	0.07	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	124	0.65	286	0.122	3	0.96	0.101	0.42	3.1	0.20	2.4	5.6	0.15	5	5.3	5.2
STD DS8	Standard	123	0.62	289	0.120	3	0.95	0.092	0.40	3.1	0.20	2.0	5.5	0.20	5	5.2	5.0
STD DS8	Standard	116	0.61	302	0.119	3	0.95	0.094	0.40	3.1	0.21	2.3	5.7	0.15	6	6.5	5.7
STD DS8	Standard	121	0.63	283	0.114	3	0.97	0.109	0.43	2.9	0.21	2.4	5.5	0.11	5	5.0	5.1
STD DS8	Standard	125	0.60	281	0.128	2	0.96	0.102	0.43	3.2	0.21	2.9	5.5	0.14	5	4.7	5.2
STD DS8	Standard	109	0.60	243	0.093	2	0.83	0.078	0.39	2.8	0.18	1.7	5.3	0.17	4	4.7	4.4
STD DS8	Standard	116	0.61	277	0.116	3	0.89	0.085	0.40	3.1	0.19	2.2	5.3	0.11	5	5.1	5.2
STD DS8	Standard	102	0.54	250	0.094	3	0.80	0.079	0.37	2.7	0.18	1.6	4.8	0.13	4	4.8	4.3
STD DS8	Standard	115	0.62	283	0.113	2	1.00	0.112	0.46	3.0	0.19	2.6	5.3	0.14	5	6.4	5.1
STD DS8	Standard	107	0.57	260	0.100	2	0.82	0.079	0.39	2.7	0.18	1.7	5.0	0.18	4	4.8	4.6
STD DS8	Standard	112	0.59	269	0.104	3	0.88	0.083	0.42	2.8	0.22	1.9	5.5	0.16	5	5.4	4.7
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 22, 2011
Report Date: October 07, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN11004445.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #3
P.O. Number
Number of Samples: 192

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include: Dry at 60C (192 samples), SS80 (188 samples), 1DX2 (188 samples).

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP331	Soil	0.4	7.1	7.6	105	<0.1	5.3	4.9	3196	1.89	1.4	<0.5	0.4	32	0.3	<0.1	<0.1	32	0.35	0.085	8
MP332	Soil	0.5	13.4	7.1	91	0.1	18.8	8.6	1554	2.58	2.3	<0.5	0.9	32	0.2	0.2	<0.1	68	0.30	0.076	5
MP333	Soil	0.6	12.0	7.0	57	<0.1	14.6	7.8	576	2.21	2.3	<0.5	0.9	48	<0.1	0.2	0.1	55	0.36	0.055	5
MP334	Soil	0.6	7.2	6.9	141	<0.1	7.3	4.2	2742	1.48	1.3	<0.5	0.5	17	0.4	0.1	0.1	36	0.20	0.073	5
MP335	Soil	1.3	12.1	8.6	88	<0.1	10.2	6.8	1551	2.19	2.6	<0.5	1.0	24	0.2	0.2	0.1	51	0.26	0.056	6
MP336	Soil	1.4	9.6	6.2	77	<0.1	10.1	6.5	1090	2.10	2.5	<0.5	0.7	38	0.2	0.2	<0.1	54	0.39	0.031	5
MP337	Soil	0.7	4.5	5.0	29	<0.1	1.8	2.5	523	1.26	1.1	<0.5	0.4	8	<0.1	0.1	<0.1	28	0.24	0.017	4
MP338	Soil	0.6	13.1	6.5	80	<0.1	10.5	6.6	888	2.26	3.0	<0.5	0.9	28	0.1	0.2	<0.1	60	0.24	0.037	6
MP339	Soil	0.8	11.6	8.7	89	<0.1	8.0	6.0	1451	1.92	1.9	<0.5	0.7	38	0.2	0.2	0.1	48	0.37	0.066	5
MP340	Soil	1.3	14.3	7.7	101	0.2	9.8	6.8	1002	2.18	2.9	<0.5	0.9	36	0.4	0.2	<0.1	54	0.50	0.074	11
MP340D	Soil	0.8	7.1	6.5	101	0.3	6.4	5.4	1066	1.61	1.7	<0.5	0.6	15	0.3	0.1	0.1	42	0.16	0.070	4
MP341	Soil	1.3	13.1	9.0	120	0.2	10.7	7.3	911	2.30	3.3	<0.5	1.0	33	0.3	0.2	<0.1	55	0.52	0.152	7
MP342	Soil	3.0	21.6	6.9	153	0.3	13.2	9.6	3531	3.56	5.4	<0.5	1.2	47	0.4	0.2	0.2	66	0.99	0.067	25
MP343	Soil	0.7	14.8	7.7	75	<0.1	9.1	7.1	668	2.50	3.2	<0.5	1.4	19	<0.1	0.2	0.1	59	0.19	0.066	6
MP344	Soil	0.8	13.8	6.5	92	0.1	7.7	7.2	1004	2.33	2.8	<0.5	1.1	14	0.2	0.2	0.1	52	0.16	0.124	6
MP345	Soil	1.4	11.5	6.5	69	0.2	7.9	7.1	779	2.47	2.8	<0.5	0.7	26	0.1	0.2	<0.1	57	0.35	0.063	6
MP346	Soil	0.8	19.0	4.6	107	0.2	46.4	15.7	453	3.49	2.1	<0.5	1.0	34	0.1	0.1	<0.1	59	0.58	0.122	9
MP347	Soil	0.5	13.3	6.6	64	0.2	8.6	5.9	422	2.29	2.1	<0.5	1.0	54	0.1	0.3	<0.1	54	0.73	0.030	14
MP348	Soil	0.8	21.8	8.8	82	0.4	13.1	8.6	795	2.87	3.3	6.5	1.3	66	0.2	0.3	0.1	60	0.94	0.047	23
MP348D	Soil	0.4	8.2	5.6	62	<0.1	3.7	4.2	780	2.08	2.0	<0.5	0.7	44	<0.1	0.1	<0.1	31	0.70	0.060	18
MP349	Soil	0.3	8.5	5.1	61	<0.1	3.2	4.3	845	2.09	2.4	<0.5	0.7	45	<0.1	<0.1	<0.1	27	0.73	0.061	20
MP350	Soil	0.6	9.7	7.1	65	0.1	4.5	4.3	305	1.59	1.2	<0.5	0.7	31	<0.1	<0.1	<0.1	39	0.46	0.037	10
MP351	Soil	0.6	23.8	8.5	82	0.2	10.9	6.2	731	2.46	2.8	<0.5	1.5	46	0.2	0.2	0.1	45	0.79	0.052	27
MP352	Soil	0.8	16.9	7.5	72	0.2	9.4	7.8	909	2.46	3.1	<0.5	1.2	54	0.2	0.2	0.1	53	0.79	0.046	21
MP353	Soil	0.6	14.5	6.1	51	<0.1	8.2	6.3	486	2.22	3.7	4.6	1.1	70	<0.1	0.3	0.1	55	0.57	0.042	14
MP354	Soil	0.8	12.3	6.8	52	<0.1	11.1	8.7	671	2.53	6.2	1.5	1.3	83	<0.1	0.3	0.1	58	0.68	0.060	11
MP355	Soil	0.6	11.9	7.3	54	<0.1	6.7	6.1	560	1.99	3.9	<0.5	0.8	43	<0.1	0.2	0.1	48	0.31	0.065	6
MP356	Soil	0.5	9.0	5.9	65	<0.1	12.4	5.4	965	1.63	1.6	<0.5	0.6	53	0.3	0.1	0.1	39	0.38	0.103	6
MP357	Soil	0.8	7.2	7.6	88	0.1	4.6	5.2	1088	1.83	3.6	<0.5	0.5	35	0.1	0.2	0.1	42	0.51	0.190	4
MP358	Soil	0.5	16.6	8.7	44	0.1	8.8	6.0	507	1.90	4.0	<0.5	0.8	64	0.1	0.2	0.1	40	0.63	0.034	22

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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 2 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP331	Soil	8	0.31	186	0.037	2	2.01	0.009	0.15	<0.1	0.03	2.2	<0.1	<0.05	7	0.6	<0.2
MP332	Soil	17	0.42	172	0.126	1	2.32	0.016	0.08	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
MP333	Soil	13	0.34	126	0.120	1	2.01	0.020	0.10	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
MP334	Soil	8	0.14	155	0.063	1	1.27	0.017	0.06	<0.1	0.04	1.7	<0.1	<0.05	5	<0.5	<0.2
MP335	Soil	13	0.27	170	0.081	1	1.96	0.014	0.08	<0.1	0.03	2.5	<0.1	<0.05	7	<0.5	<0.2
MP336	Soil	13	0.28	159	0.075	1	1.43	0.015	0.08	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
MP337	Soil	5	0.08	122	0.014	1	0.65	0.009	0.05	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
MP338	Soil	16	0.33	234	0.077	<1	1.56	0.012	0.09	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
MP339	Soil	13	0.24	262	0.078	1	1.35	0.012	0.11	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
MP340	Soil	16	0.29	281	0.080	2	1.34	0.016	0.08	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
MP340D	Soil	9	0.14	184	0.066	1	1.30	0.018	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
MP341	Soil	16	0.29	257	0.076	2	1.71	0.015	0.12	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
MP342	Soil	21	0.41	426	0.031	<1	3.50	0.014	0.08	<0.1	0.05	8.9	0.2	<0.05	9	0.6	<0.2
MP343	Soil	14	0.37	124	0.085	1	2.56	0.015	0.07	<0.1	0.03	3.2	<0.1	<0.05	8	<0.5	<0.2
MP344	Soil	12	0.28	85	0.061	1	2.30	0.014	0.06	<0.1	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
MP345	Soil	13	0.35	109	0.057	<1	1.71	0.014	0.08	<0.1	0.02	2.9	<0.1	<0.05	7	0.6	<0.2
MP346	Soil	31	1.11	110	0.080	1	2.09	0.028	0.04	<0.1	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
MP347	Soil	15	0.30	150	0.076	2	1.81	0.026	0.05	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
MP348	Soil	19	0.42	189	0.076	3	2.63	0.026	0.07	<0.1	0.04	6.7	<0.1	<0.05	7	<0.5	<0.2
MP348D	Soil	6	0.36	104	0.013	<1	1.47	0.015	0.05	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
MP349	Soil	6	0.37	97	0.009	<1	1.45	0.015	0.05	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
MP350	Soil	9	0.20	102	0.055	<1	1.24	0.019	0.04	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
MP351	Soil	15	0.39	165	0.042	<1	2.68	0.020	0.06	<0.1	0.02	5.8	<0.1	<0.05	8	0.6	<0.2
MP352	Soil	15	0.38	166	0.053	<1	2.19	0.023	0.07	<0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
MP353	Soil	14	0.43	132	0.096	<1	1.51	0.030	0.06	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
MP354	Soil	15	0.53	148	0.105	1	1.49	0.033	0.07	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
MP355	Soil	11	0.27	129	0.071	2	1.53	0.012	0.07	<0.1	0.06	2.5	<0.1	<0.05	5	<0.5	<0.2
MP356	Soil	19	0.28	136	0.065	<1	1.29	0.012	0.10	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
MP357	Soil	10	0.17	209	0.072	2	1.14	0.013	0.07	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
MP358	Soil	13	0.41	178	0.053	1	2.20	0.024	0.06	<0.1	0.03	4.3	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP359	Soil	1.5	10.2	9.3	53	0.1	5.3	4.5	449	1.97	3.1	<0.5	0.6	33	0.2	0.2	0.1	49	0.41	0.045	5
MP360	Soil	0.6	8.3	6.9	71	<0.1	5.9	5.4	476	1.88	2.4	<0.5	0.7	23	<0.1	0.2	0.1	42	0.32	0.119	4
MP361	Soil	0.6	13.8	8.6	63	0.1	7.4	7.0	954	2.19	2.7	<0.5	0.9	50	0.2	0.2	0.1	50	1.18	0.041	21
MP362	Soil	0.7	9.8	6.0	61	<0.1	5.6	5.5	280	2.24	3.2	0.6	1.0	23	<0.1	0.2	<0.1	49	0.22	0.054	7
MP363	Soil	0.5	7.3	5.5	35	<0.1	4.9	4.6	259	1.78	3.9	<0.5	0.7	50	<0.1	0.2	<0.1	49	0.48	0.018	13
MP364	Soil	0.4	9.3	6.0	48	<0.1	6.3	5.0	380	1.96	2.4	1.3	1.1	49	<0.1	0.2	<0.1	52	0.44	0.018	8
MP365	Soil	0.4	13.2	8.4	47	0.2	13.7	6.9	392	2.15	2.1	0.7	1.3	45	0.2	0.2	0.1	49	0.66	0.027	15
MP366	Soil	0.7	23.4	7.9	52	0.3	15.0	8.6	994	2.71	3.7	0.7	1.6	59	0.2	0.2	0.1	62	0.81	0.037	27
MP367	Soil	0.8	15.4	7.9	48	0.2	13.2	10.3	623	3.36	3.8	<0.5	1.3	61	0.2	0.1	0.1	73	0.75	0.034	16
MP368	Soil	0.8	9.0	6.3	77	0.1	8.7	6.0	642	2.00	2.9	1.0	0.9	19	0.2	0.2	<0.1	44	0.17	0.114	5
MP368D	Soil	0.8	9.4	5.4	62	0.2	5.5	4.5	325	2.10	3.0	<0.5	0.7	21	<0.1	0.2	<0.1	38	0.21	0.083	8
MP369	Soil	0.8	13.0	6.1	65	0.1	28.0	10.8	525	2.70	2.8	0.6	0.9	17	0.2	0.1	<0.1	52	0.16	0.087	4
MP370	Soil	0.8	7.7	7.4	92	0.2	6.2	4.2	1442	1.64	2.5	3.6	0.6	12	0.2	0.1	0.1	34	0.25	0.092	5
MP371	Soil	0.3	11.8	7.2	58	0.2	7.2	3.4	278	1.54	1.8	3.2	1.0	34	0.1	0.1	0.1	29	0.56	0.023	26
MP372	Soil	0.4	5.1	6.3	59	0.1	3.8	3.6	246	1.29	1.3	<0.5	0.6	24	<0.1	<0.1	0.1	27	0.15	0.069	5
MP373	Soil	0.7	5.4	5.4	66	<0.1	4.1	4.6	532	1.54	1.8	<0.5	0.6	19	0.1	0.1	<0.1	36	0.19	0.045	8
MP374	Soil	0.7	6.5	5.5	38	<0.1	4.3	3.8	272	1.48	1.9	<0.5	0.5	22	<0.1	0.2	<0.1	38	0.24	0.016	5
MP375	Soil	0.6	6.4	6.5	95	<0.1	8.2	5.5	725	1.74	1.7	<0.5	0.8	17	0.2	0.1	<0.1	44	0.17	0.047	4
BM11S-35	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP376	Soil	0.6	7.6	7.0	96	<0.1	8.5	6.2	871	1.92	1.9	<0.5	0.8	19	0.2	0.1	0.1	46	0.18	0.051	4
MP377	Soil	0.8	3.3	4.6	58	<0.1	3.5	2.8	950	1.24	1.1	<0.5	0.6	7	0.1	<0.1	<0.1	26	0.09	0.026	8
MP378	Soil	0.6	8.7	6.6	87	<0.1	7.6	4.6	1027	1.77	1.6	<0.5	0.7	26	0.2	0.1	<0.1	36	0.28	0.083	6
MP379	Soil	0.4	22.1	4.1	93	0.1	48.7	15.5	1082	3.13	1.4	<0.5	1.0	60	0.3	0.1	<0.1	74	0.66	0.109	8
MP380	Soil	0.6	14.0	6.0	113	<0.1	25.1	10.5	1199	2.94	2.7	<0.5	1.1	31	0.2	0.1	<0.1	68	0.36	0.130	8
MP381	Soil	0.9	11.2	7.6	82	<0.1	8.1	6.5	1394	2.15	3.1	<0.5	0.7	34	0.2	0.2	<0.1	49	0.39	0.090	6
MP382	Soil	0.9	10.0	9.2	84	<0.1	8.2	6.2	1538	2.21	2.9	0.6	1.1	23	0.2	0.2	0.2	49	0.24	0.072	8
MP383	Soil	0.5	10.0	7.7	71	<0.1	8.3	5.9	1095	2.08	2.7	0.9	1.0	50	0.1	0.2	<0.1	49	0.27	0.056	7
MP384	Soil	0.5	7.2	6.2	94	<0.1	8.3	4.7	1063	1.77	1.9	<0.5	0.6	31	0.2	<0.1	<0.1	34	0.32	0.060	6
MP385	Soil	0.5	10.3	5.1	46	<0.1	6.2	5.3	286	2.22	3.7	<0.5	1.1	69	0.1	0.2	<0.1	57	0.43	0.027	8
MP386	Soil	0.3	24.6	3.7	72	<0.1	144.5	16.9	430	2.75	0.6	<0.5	0.8	79	<0.1	<0.1	<0.1	72	0.33	0.083	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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
MP359	Soil	10	0.23	159	0.054	1	1.14	0.012	0.08	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
MP360	Soil	10	0.20	141	0.065	1	1.48	0.013	0.05	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
MP361	Soil	12	0.35	147	0.048	1	2.15	0.018	0.06	<0.1	0.06	4.5	<0.1	<0.05	6	<0.5	<0.2
MP362	Soil	11	0.27	97	0.062	<1	1.60	0.014	0.04	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
MP363	Soil	11	0.29	115	0.090	<1	1.26	0.021	0.05	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
MP364	Soil	12	0.31	120	0.114	<1	1.19	0.020	0.04	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
MP365	Soil	16	0.50	124	0.102	<1	2.12	0.023	0.04	<0.1	0.02	4.9	<0.1	<0.05	7	<0.5	<0.2
MP366	Soil	19	0.56	188	0.074	<1	2.78	0.022	0.05	<0.1	0.03	7.3	<0.1	<0.05	8	<0.5	<0.2
MP367	Soil	14	0.54	136	0.099	<1	2.34	0.021	0.04	<0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
MP368	Soil	11	0.23	100	0.069	<1	1.72	0.012	0.06	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
MP368D	Soil	9	0.19	130	0.031	<1	1.24	0.010	0.04	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
MP369	Soil	20	0.58	94	0.101	<1	2.47	0.013	0.06	<0.1	0.03	2.5	<0.1	<0.05	8	<0.5	<0.2
MP370	Soil	8	0.14	125	0.046	1	1.53	0.011	0.07	<0.1	0.02	1.5	<0.1	<0.05	6	<0.5	<0.2
MP371	Soil	13	0.29	153	0.055	<1	1.64	0.022	0.05	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
MP372	Soil	7	0.13	134	0.039	<1	1.41	0.012	0.06	<0.1	0.02	1.3	<0.1	<0.05	6	<0.5	<0.2
MP373	Soil	8	0.15	122	0.040	<1	0.97	0.011	0.06	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
MP374	Soil	9	0.17	126	0.045	<1	1.01	0.012	0.05	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
MP375	Soil	11	0.23	158	0.087	<1	1.58	0.013	0.05	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
BM11S-35	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP376	Soil	11	0.25	170	0.091	<1	1.65	0.014	0.06	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
MP377	Soil	5	0.07	93	0.037	<1	0.94	0.013	0.04	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
MP378	Soil	12	0.13	151	0.053	<1	1.34	0.015	0.06	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
MP379	Soil	14	1.18	107	0.151	2	2.52	0.037	0.08	<0.1	<0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
MP380	Soil	17	0.61	136	0.136	2	2.79	0.018	0.15	<0.1	0.02	3.4	<0.1	<0.05	8	0.6	<0.2
MP381	Soil	13	0.29	167	0.060	1	1.59	0.011	0.10	<0.1	0.04	2.2	<0.1	<0.05	6	<0.5	<0.2
MP382	Soil	12	0.28	128	0.073	1	2.38	0.011	0.07	<0.1	0.04	2.5	<0.1	<0.05	8	<0.5	<0.2
MP383	Soil	13	0.29	155	0.086	<1	1.69	0.012	0.08	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
MP384	Soil	14	0.32	96	0.044	<1	1.63	0.013	0.08	<0.1	0.02	2.2	<0.1	<0.05	7	<0.5	<0.2
MP385	Soil	13	0.36	136	0.118	<1	1.25	0.022	0.05	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MP386	Soil	194	1.07	75	0.078	<1	2.16	0.033	0.04	<0.1	0.01	2.2	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 4 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP387	Soil	0.4	11.9	5.8	51	<0.1	29.5	6.8	376	1.93	1.8	1.1	0.8	46	<0.1	0.2	0.1	49	0.24	0.070	4
MP388	Soil	0.4	11.9	5.2	51	<0.1	26.0	5.9	203	1.73	1.7	0.5	0.8	49	<0.1	0.1	<0.1	48	0.20	0.044	4
MP389	Soil	0.3	21.3	4.3	64	<0.1	87.2	12.7	281	2.36	1.2	51.6	0.8	69	<0.1	<0.1	<0.1	66	0.26	0.082	6
MP390	Soil	0.4	19.6	4.3	67	<0.1	61.8	10.1	386	2.13	1.6	<0.5	0.9	67	<0.1	0.1	<0.1	59	0.25	0.068	6
MP391	Soil	0.6	8.4	6.9	54	<0.1	7.0	5.0	722	1.79	1.9	<0.5	0.8	47	0.1	0.2	0.1	46	0.28	0.033	5
MP392	Soil	0.6	22.0	6.9	53	<0.1	13.5	9.6	708	2.53	6.1	0.6	1.4	110	<0.1	0.3	<0.1	67	0.68	0.067	13
MP393	Soil	0.3	9.8	5.1	38	<0.1	6.9	4.4	444	1.58	1.5	0.7	0.7	48	<0.1	0.2	<0.1	39	0.30	0.020	11
MP394	Soil	0.3	17.0	5.4	55	<0.1	24.7	6.4	613	1.76	1.8	<0.5	0.7	60	<0.1	0.2	<0.1	45	0.42	0.036	18
MP395	Soil	0.4	19.6	6.0	51	<0.1	12.8	6.6	1006	2.01	1.9	<0.5	1.4	73	0.1	0.2	<0.1	47	0.50	0.031	34
MP396	Soil	0.4	13.0	4.9	46	<0.1	9.3	4.5	682	1.52	1.3	<0.5	0.9	46	0.1	0.1	<0.1	36	0.30	0.028	17
MP397	Soil	0.5	12.2	7.5	56	<0.1	9.1	6.2	787	1.72	2.5	<0.5	0.8	55	0.1	0.2	<0.1	46	0.42	0.067	7
MP398	Soil	0.8	14.2	7.1	73	<0.1	13.2	6.7	972	1.92	2.4	<0.5	0.8	62	0.2	0.2	<0.1	49	0.54	0.084	9
MP399	Soil	0.4	8.3	7.0	75	<0.1	7.3	4.2	623	1.38	2.2	1.3	0.6	36	0.1	0.1	0.1	28	0.27	0.158	4
MP400	Soil	0.3	6.5	4.7	38	<0.1	6.5	3.7	356	1.30	1.2	<0.5	0.5	40	<0.1	0.1	<0.1	36	0.24	0.024	6
MP401	Soil	0.3	8.3	5.1	47	<0.1	8.4	4.7	388	1.58	1.1	50.1	0.6	36	<0.1	0.1	<0.1	42	0.25	0.031	7
MP402	Soil	0.6	11.8	6.1	50	<0.1	7.7	6.4	643	2.16	3.1	1.9	0.9	65	<0.1	0.3	<0.1	61	0.40	0.036	9
MP403	Soil	0.4	6.2	5.3	54	<0.1	6.2	4.0	580	1.47	1.3	0.5	0.6	32	<0.1	0.1	<0.1	39	0.20	0.043	5
MP404	Soil	0.5	9.9	5.2	51	<0.1	10.4	6.1	452	2.12	2.6	0.9	0.6	68	<0.1	0.2	<0.1	61	0.35	0.067	5
MP405	Soil	0.5	10.1	5.5	49	<0.1	7.4	5.7	691	1.86	2.5	1.9	0.8	51	0.1	0.2	<0.1	50	0.31	0.062	6
MP406	Soil	0.5	23.6	6.3	58	0.1	15.7	8.1	946	2.41	2.0	16.0	1.0	106	0.2	0.3	0.2	63	0.73	0.046	55
MP407	Soil	0.5	17.3	6.0	58	<0.1	12.2	7.8	572	2.36	2.9	1.6	1.2	72	0.2	0.2	<0.1	64	0.47	0.061	17
MP408	Soil	0.6	12.1	6.3	94	0.2	11.0	7.0	375	2.19	3.3	0.8	0.8	37	0.2	0.2	0.1	55	0.30	0.180	6
MP409	Soil	0.6	9.0	5.5	50	<0.1	8.2	5.6	217	2.04	3.3	1.5	0.7	43	<0.1	0.2	<0.1	54	0.26	0.134	5
MP410	Soil	0.5	7.7	6.0	51	<0.1	5.7	4.8	303	1.44	1.9	0.6	0.6	50	0.1	<0.1	<0.1	37	0.32	0.076	4
MP411	Soil	0.7	10.3	5.8	69	<0.1	8.3	6.8	633	2.08	3.9	1.2	0.8	31	0.1	0.2	<0.1	55	0.22	0.133	5
MP412	Soil	0.7	8.9	6.4	70	<0.1	6.2	5.1	434	1.67	3.3	1.0	1.0	35	0.1	0.1	0.1	39	0.30	0.207	5
MP413	Soil	0.6	16.9	5.9	62	<0.1	10.5	9.3	643	2.98	5.6	1.4	1.3	167	0.1	0.3	<0.1	80	0.75	0.070	10
MP414	Soil	0.6	16.9	5.7	56	<0.1	13.6	7.8	480	2.61	3.6	1.1	1.2	75	<0.1	0.3	<0.1	73	0.45	0.051	9
MP415	Soil	0.8	9.3	5.8	62	<0.1	12.1	6.6	578	1.80	2.5	0.7	0.8	25	0.1	0.1	<0.1	44	0.23	0.143	4
MP416	Soil	0.6	9.8	6.7	68	<0.1	10.5	5.9	378	1.66	1.7	0.5	0.7	21	0.1	0.1	0.1	40	0.18	0.113	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP387	Soil	42	0.37	125	0.080	1	1.51	0.013	0.07	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
MP388	Soil	34	0.37	112	0.088	1	1.14	0.017	0.07	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
MP389	Soil	102	0.89	107	0.091	1	1.80	0.021	0.04	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
MP390	Soil	64	0.70	126	0.088	1	1.78	0.020	0.12	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
MP391	Soil	12	0.26	129	0.086	1	1.23	0.013	0.12	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
MP392	Soil	19	0.56	139	0.110	1	1.47	0.025	0.11	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
MP393	Soil	11	0.25	86	0.080	<1	1.03	0.017	0.08	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
MP394	Soil	36	0.47	107	0.073	1	1.33	0.018	0.10	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
MP395	Soil	19	0.39	121	0.076	<1	1.57	0.017	0.09	<0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
MP396	Soil	13	0.29	89	0.058	<1	1.28	0.014	0.08	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MP397	Soil	15	0.29	122	0.075	1	1.02	0.019	0.09	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
MP398	Soil	18	0.32	150	0.080	2	1.36	0.015	0.13	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
MP399	Soil	10	0.17	135	0.056	<1	1.53	0.018	0.07	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
MP400	Soil	12	0.20	81	0.083	<1	0.95	0.019	0.05	<0.1	<0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
MP401	Soil	14	0.25	90	0.091	<1	1.22	0.018	0.06	<0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
MP402	Soil	14	0.34	113	0.126	<1	1.27	0.016	0.11	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
MP403	Soil	11	0.19	96	0.081	<1	1.08	0.015	0.06	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
MP404	Soil	17	0.32	117	0.123	<1	1.44	0.026	0.10	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
MP405	Soil	13	0.24	123	0.099	<1	1.25	0.017	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
MP406	Soil	20	0.48	139	0.094	<1	1.99	0.021	0.10	<0.1	0.04	6.5	0.1	<0.05	6	<0.5	<0.2
MP407	Soil	20	0.39	107	0.114	<1	1.59	0.023	0.12	<0.1	0.02	4.7	<0.1	<0.05	5	<0.5	<0.2
MP408	Soil	16	0.30	134	0.090	1	1.67	0.016	0.08	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
MP409	Soil	15	0.25	124	0.085	<1	1.40	0.020	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
MP410	Soil	9	0.19	101	0.080	<1	1.37	0.016	0.07	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
MP411	Soil	13	0.26	123	0.076	<1	1.51	0.012	0.07	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
MP412	Soil	10	0.19	126	0.083	1	1.80	0.016	0.06	0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
MP413	Soil	18	0.61	137	0.170	<1	2.08	0.024	0.17	<0.1	0.04	6.1	<0.1	<0.05	7	<0.5	<0.2
MP414	Soil	22	0.45	119	0.145	<1	1.37	0.022	0.16	<0.1	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
MP415	Soil	15	0.25	96	0.077	<1	1.83	0.014	0.05	<0.1	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
MP416	Soil	14	0.22	89	0.075	<1	1.76	0.013	0.06	<0.1	0.01	1.9	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 5 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP417	Soil	0.6	13.4	5.7	70	<0.1	9.1	8.0	696	2.55	4.9	1.3	1.0	125	0.2	0.2	<0.1	74	0.49	0.056	7
MP418	Soil	0.8	12.7	6.4	71	<0.1	8.9	6.2	429	2.18	2.5	1.1	0.8	32	0.2	0.2	0.1	51	0.34	0.156	5
MP419	Soil	0.7	13.8	6.5	70	<0.1	9.7	6.8	405	2.29	2.9	0.7	0.9	31	0.1	0.2	0.1	53	0.33	0.168	5
MP420	Soil	0.8	48.6	7.8	53	0.3	19.3	9.5	931	2.99	3.6	2.2	1.7	86	0.2	0.3	0.1	61	1.19	0.048	55
BM11S-40	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP421	Soil	0.7	12.4	6.9	60	<0.1	8.8	5.8	423	1.92	2.4	3.0	0.7	36	0.1	0.2	0.1	48	0.41	0.085	7
MP422	Soil	1.3	10.3	7.1	38	<0.1	6.6	6.1	740	1.81	3.4	2.4	0.7	35	<0.1	0.2	<0.1	50	0.50	0.029	7
MP423	Soil	1.3	10.4	7.0	39	<0.1	6.7	6.3	683	1.92	3.5	6.5	0.7	35	<0.1	0.2	<0.1	52	0.48	0.025	7
MP424	Soil	1.1	14.2	7.2	35	0.1	7.4	5.9	309	1.94	3.8	1.5	0.9	32	<0.1	0.2	0.2	51	0.48	0.018	11
MP425	Soil	0.6	8.5	6.5	55	<0.1	5.8	4.3	363	1.57	1.5	4.3	0.7	19	<0.1	0.2	0.1	39	0.16	0.042	5
MP426	Soil	0.8	12.0	7.3	60	<0.1	9.0	6.5	292	2.39	3.0	3.0	1.0	27	<0.1	0.2	0.1	55	0.26	0.127	6
MP427	Soil	0.4	11.7	6.8	62	<0.1	6.6	4.6	370	1.51	1.6	<0.5	0.8	35	0.1	0.2	0.1	36	0.33	0.043	15
MP428	Soil	0.6	8.9	6.4	65	<0.1	7.7	5.0	529	1.75	2.5	1.4	1.0	20	<0.1	0.2	0.1	40	0.20	0.113	5
MP429	Soil	0.7	7.7	7.4	56	<0.1	6.4	4.6	675	1.70	2.5	3.2	0.9	24	0.1	0.2	0.1	42	0.24	0.094	5
MP430	Soil	0.8	12.2	8.8	81	0.1	10.3	6.3	1002	2.06	4.0	<0.5	1.2	26	0.2	0.2	0.1	47	0.24	0.154	6
MP431	Soil	0.7	6.9	6.3	57	<0.1	5.5	4.2	898	1.58	2.1	<0.5	0.8	18	<0.1	0.2	<0.1	36	0.13	0.047	5
MP432	Soil	1.0	11.0	7.1	64	0.1	8.4	6.1	821	1.86	2.8	<0.5	1.0	22	<0.1	0.2	<0.1	43	0.21	0.074	6
MP433	Soil	0.7	13.6	7.2	55	<0.1	8.5	6.5	506	2.42	2.7	<0.5	1.2	30	<0.1	0.3	0.1	57	0.24	0.032	8
MP434	Soil	0.7	9.6	8.2	68	<0.1	8.0	5.1	749	1.92	1.7	<0.5	0.9	29	0.1	0.2	0.1	47	0.36	0.046	6
MP435	Soil	0.6	6.2	6.4	89	<0.1	6.1	4.7	1527	1.45	1.5	<0.5	0.8	18	0.1	0.1	<0.1	36	0.18	0.034	5
MP436	Soil	0.6	8.2	7.7	80	<0.1	7.1	5.7	1219	1.95	2.7	1.0	0.9	26	<0.1	0.2	0.1	48	0.19	0.069	6
MP437	Soil	0.7	7.3	5.7	47	<0.1	5.0	4.7	889	1.64	1.7	0.7	0.8	30	<0.1	0.2	<0.1	44	0.25	0.037	5
MP438	Soil	0.7	8.8	7.1	61	<0.1	6.4	5.6	1337	1.80	2.2	1.6	1.0	26	0.1	0.2	<0.1	43	0.24	0.072	6
MP439	Soil	0.9	8.8	6.7	63	<0.1	7.3	5.7	538	1.91	2.7	0.9	0.9	25	<0.1	0.2	<0.1	46	0.25	0.076	6
MP440	Soil	0.7	7.1	6.5	60	<0.1	6.5	4.6	470	1.73	2.0	<0.5	0.7	23	<0.1	0.2	<0.1	40	0.23	0.066	5
MP441	Soil	0.8	6.8	6.4	50	<0.1	6.5	4.5	498	1.55	2.4	<0.5	0.7	16	<0.1	0.1	<0.1	35	0.15	0.084	5
MP442	Soil	0.4	11.5	6.1	35	<0.1	6.9	4.4	329	1.49	1.3	<0.5	0.7	33	<0.1	0.1	<0.1	37	0.28	0.020	18
MP443	Soil	0.4	11.0	6.7	43	<0.1	9.4	4.7	210	1.50	1.5	<0.5	0.9	35	<0.1	0.2	<0.1	37	0.29	0.030	12
MP444	Soil	0.4	9.7	5.4	37	0.1	6.7	4.2	284	1.51	1.5	2.2	0.9	34	<0.1	0.2	<0.1	37	0.28	0.027	14
MP445	Soil	0.8	8.3	7.6	56	<0.1	7.8	5.4	670	1.86	2.7	<0.5	0.9	23	<0.1	0.2	<0.1	46	0.20	0.088	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP417	Soil	16	0.42	122	0.177	<1	1.71	0.021	0.16	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
MP418	Soil	16	0.29	178	0.057	<1	1.53	0.016	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MP419	Soil	16	0.31	166	0.061	<1	1.69	0.021	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MP420	Soil	26	0.64	215	0.049	<1	3.23	0.018	0.11	<0.1	0.08	10.8	<0.1	<0.05	9	<0.5	<0.2
BM11S-40	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP421	Soil	14	0.28	125	0.057	<1	1.32	0.013	0.09	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
MP422	Soil	12	0.30	115	0.057	2	1.26	0.016	0.08	0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
MP423	Soil	12	0.30	105	0.058	2	1.31	0.014	0.08	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
MP424	Soil	12	0.30	69	0.027	2	1.43	0.015	0.04	<0.1	0.05	2.8	<0.1	<0.05	5	<0.5	<0.2
MP425	Soil	10	0.19	85	0.046	1	1.20	0.014	0.04	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
MP426	Soil	16	0.33	110	0.054	1	1.64	0.013	0.06	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
MP427	Soil	11	0.23	130	0.051	<1	1.10	0.013	0.06	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
MP428	Soil	10	0.20	115	0.054	<1	1.45	0.012	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
MP429	Soil	11	0.19	122	0.044	<1	1.17	0.011	0.09	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
MP430	Soil	13	0.26	197	0.053	1	1.91	0.015	0.08	<0.1	0.05	2.0	<0.1	<0.05	7	<0.5	<0.2
MP431	Soil	9	0.18	121	0.039	<1	1.24	0.011	0.05	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
MP432	Soil	12	0.25	167	0.043	<1	1.69	0.012	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
MP433	Soil	14	0.34	118	0.028	<1	1.85	0.011	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MP434	Soil	12	0.27	169	0.049	<1	1.66	0.015	0.10	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
MP435	Soil	8	0.17	115	0.043	<1	1.54	0.014	0.06	<0.1	0.03	1.5	<0.1	<0.05	5	<0.5	<0.2
MP436	Soil	11	0.22	100	0.061	<1	1.88	0.012	0.06	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
MP437	Soil	10	0.19	114	0.067	<1	1.06	0.011	0.07	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
MP438	Soil	11	0.21	157	0.040	<1	1.33	0.011	0.06	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
MP439	Soil	12	0.23	136	0.046	<1	1.38	0.012	0.08	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
MP440	Soil	11	0.20	115	0.034	<1	1.11	0.012	0.07	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
MP441	Soil	9	0.18	127	0.032	<1	1.11	0.011	0.06	<0.1	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
MP442	Soil	11	0.23	97	0.050	<1	1.07	0.016	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
MP443	Soil	13	0.26	90	0.067	<1	1.12	0.016	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
MP444	Soil	12	0.20	101	0.072	<1	1.04	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
MP445	Soil	11	0.22	125	0.067	<1	1.29	0.012	0.07	<0.1	0.02	2.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP446	Soil	0.6	11.2	5.6	45	<0.1	7.6	4.8	411	1.83	2.4	0.7	0.9	38	<0.1	0.2	<0.1	47	0.31	0.052	8
MP447	Soil	0.3	9.4	8.3	90	<0.1	5.7	5.9	1341	2.41	3.3	<0.5	0.9	47	0.2	0.1	<0.1	37	0.51	0.044	15
MP448	Soil	0.5	14.4	11.0	97	<0.1	11.2	8.1	1454	2.92	3.3	<0.5	1.4	35	0.2	0.1	0.1	59	0.53	0.060	25
MP449	Soil	0.5	9.5	9.0	112	<0.1	7.8	6.0	1739	2.03	1.4	1.2	0.8	34	0.3	0.1	<0.1	45	0.40	0.068	8
MP450	Soil	0.8	10.9	6.8	57	<0.1	9.9	6.6	513	2.18	2.6	<0.5	0.8	43	<0.1	0.2	<0.1	58	0.42	0.078	5
MP451	Soil	0.4	6.3	4.8	37	<0.1	4.0	2.9	337	1.18	0.9	<0.5	0.4	33	<0.1	0.1	<0.1	34	0.28	0.026	5
MP452	Soil	0.6	12.6	8.9	94	<0.1	9.7	7.1	1949	2.26	2.9	<0.5	0.8	48	0.3	0.2	0.1	43	0.50	0.060	8
MP453	Soil	0.7	11.6	6.2	59	<0.1	9.4	6.5	490	2.15	2.2	<0.5	0.9	28	0.1	0.2	<0.1	56	0.25	0.061	5
MP454	Soil	0.7	11.8	5.8	59	<0.1	10.1	6.6	496	2.23	1.9	<0.5	0.9	29	0.1	0.2	<0.1	60	0.30	0.033	5
MP455	Soil	0.8	15.9	7.1	78	<0.1	12.4	7.7	685	2.41	2.4	<0.5	1.2	27	0.1	0.2	<0.1	63	0.31	0.075	6
MP456	Soil	0.8	11.8	6.3	56	<0.1	10.4	6.7	469	2.13	2.5	<0.5	0.8	30	<0.1	0.2	<0.1	55	0.29	0.053	4
MP457	Soil	0.5	27.7	6.7	60	0.1	15.5	8.6	738	2.79	2.2	<0.5	1.9	63	0.1	0.2	0.1	61	0.67	0.047	36
MP458	Soil	0.6	47.1	7.7	52	0.4	19.2	9.4	772	3.07	3.1	<0.5	1.8	70	0.1	0.3	0.1	61	0.99	0.040	47
MP459	Soil	0.7	52.2	9.2	63	0.3	22.3	11.6	1094	3.49	4.1	1.4	2.0	71	0.2	0.3	0.1	70	0.92	0.041	40
MP460	Soil	0.7	12.0	5.5	41	<0.1	7.6	5.4	217	2.15	2.3	<0.5	0.7	25	<0.1	0.3	<0.1	57	0.25	0.030	4
MP461	Soil	1.0	20.3	5.0	44	<0.1	10.2	8.0	364	2.87	4.4	1.5	1.3	45	<0.1	0.4	<0.1	81	0.41	0.043	8
MP462	Soil	0.8	44.6	10.5	92	0.6	20.9	10.8	845	4.62	6.3	<0.5	1.3	76	0.2	0.3	0.2	65	1.10	0.124	37
MP463	Soil	0.8	19.8	5.5	59	<0.1	11.9	8.4	345	2.95	5.1	1.4	1.0	35	0.1	0.4	0.1	77	0.34	0.071	5
MP464	Soil	0.7	12.9	5.2	46	<0.1	10.7	6.0	295	2.16	3.6	1.6	0.8	39	<0.1	0.2	<0.1	58	0.20	0.063	5
MP465	Soil	0.7	8.1	5.2	44	<0.1	11.0	6.0	269	1.93	2.2	1.8	0.6	36	<0.1	0.1	<0.1	54	0.18	0.040	4
BM11S-43	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP466	Soil	0.7	13.4	5.5	51	<0.1	10.1	5.9	240	2.19	2.5	3.2	0.7	35	<0.1	0.2	<0.1	60	0.22	0.047	5
MP467	Soil	0.6	21.0	6.2	64	<0.1	12.8	8.3	633	2.30	2.5	0.5	1.4	35	<0.1	0.2	0.1	55	0.29	0.030	10
MP468	Soil	0.5	7.4	5.9	32	<0.1	7.4	5.2	201	1.82	1.2	<0.5	0.7	18	<0.1	0.2	<0.1	45	0.14	0.076	4
MP469	Soil	0.6	12.3	6.9	50	<0.1	12.2	7.0	342	2.05	2.7	1.0	1.0	24	<0.1	0.2	0.2	56	0.23	0.090	4
MP470	Soil	0.7	12.9	6.9	62	<0.1	11.8	6.6	562	2.04	2.4	1.0	1.0	32	<0.1	0.2	0.2	54	0.30	0.109	5
MP471	Soil	0.5	18.7	6.6	51	<0.1	12.5	8.9	792	1.95	1.8	0.8	1.1	46	<0.1	0.2	0.1	55	0.35	0.033	11
MP472	Soil	0.8	17.8	6.9	63	<0.1	14.0	8.9	352	2.51	2.7	0.9	1.2	33	<0.1	0.3	0.1	68	0.29	0.075	6
MP473	Soil	0.7	18.8	5.6	56	<0.1	18.4	9.8	496	2.71	3.2	1.1	1.2	75	<0.1	0.3	0.1	81	0.42	0.055	7
MP474	Soil	0.7	11.0	6.4	59	<0.1	10.5	6.8	408	2.03	2.3	5.0	1.0	20	<0.1	0.2	0.1	55	0.20	0.063	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 6 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP446	Soil	12	0.25	111	0.069	<1	1.19	0.012	0.09	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
MP447	Soil	8	0.46	112	0.024	<1	1.92	0.009	0.20	<0.1	0.03	3.3	<0.1	<0.05	9	<0.5	<0.2
MP448	Soil	11	0.57	97	0.125	<1	3.21	0.016	0.11	<0.1	0.03	4.7	<0.1	<0.05	12	<0.5	<0.2
MP449	Soil	11	0.35	153	0.107	<1	1.89	0.014	0.09	<0.1	0.03	2.6	<0.1	<0.05	8	<0.5	<0.2
MP450	Soil	16	0.30	106	0.079	<1	1.45	0.014	0.12	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MP451	Soil	9	0.14	84	0.051	<1	0.75	0.014	0.05	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
MP452	Soil	14	0.39	170	0.045	<1	1.71	0.011	0.12	<0.1	0.06	2.9	<0.1	<0.05	6	<0.5	<0.2
MP453	Soil	15	0.28	115	0.065	<1	1.36	0.011	0.08	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
MP454	Soil	16	0.31	125	0.086	<1	1.40	0.013	0.12	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
MP455	Soil	17	0.34	118	0.071	<1	1.81	0.013	0.09	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
MP456	Soil	14	0.29	113	0.062	<1	1.48	0.013	0.07	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
MP457	Soil	24	0.47	164	0.067	<1	2.69	0.017	0.16	<0.1	0.04	9.2	<0.1	<0.05	8	<0.5	<0.2
MP458	Soil	31	0.62	180	0.039	<1	3.71	0.018	0.10	<0.1	0.07	12.4	<0.1	<0.05	10	<0.5	<0.2
MP459	Soil	33	0.72	199	0.047	<1	4.04	0.022	0.11	<0.1	0.05	13.7	<0.1	<0.05	11	<0.5	<0.2
MP460	Soil	14	0.32	71	0.053	2	0.98	0.011	0.04	<0.1	<0.01	1.8	<0.1	0.06	4	<0.5	<0.2
MP461	Soil	20	0.46	109	0.119	2	1.31	0.019	0.10	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
MP462	Soil	31	0.80	249	0.015	2	3.82	0.012	0.10	<0.1	0.10	9.1	<0.1	0.10	11	<0.5	<0.2
MP463	Soil	19	0.47	127	0.078	2	1.61	0.015	0.09	<0.1	<0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
MP464	Soil	16	0.28	97	0.057	2	1.47	0.011	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
MP465	Soil	14	0.26	102	0.078	2	1.30	0.013	0.06	<0.1	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
BM11S-43	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP466	Soil	16	0.34	103	0.074	<1	1.43	0.012	0.05	<0.1	0.03	2.2	<0.1	<0.05	5	0.6	<0.2
MP467	Soil	20	0.51	110	0.069	1	1.70	0.016	0.08	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
MP468	Soil	11	0.22	69	0.042	1	1.17	0.009	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
MP469	Soil	15	0.28	91	0.074	1	1.62	0.014	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
MP470	Soil	15	0.26	112	0.079	2	1.87	0.023	0.09	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MP471	Soil	18	0.44	110	0.086	<1	1.45	0.020	0.07	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
MP472	Soil	18	0.39	109	0.083	1	1.85	0.016	0.07	<0.1	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
MP473	Soil	24	0.57	106	0.121	<1	1.53	0.021	0.08	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
MP474	Soil	15	0.25	78	0.078	<1	1.50	0.013	0.05	<0.1	0.01	2.1	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP475	Soil			0.7	18.7	5.5	52	<0.1	15.9	9.6	341	2.68	3.3	1.2	1.4	100	<0.1	0.3	<0.1	83	0.44	0.037	9
MP476	Soil			0.5	20.9	5.8	48	<0.1	19.0	9.6	343	2.66	3.8	1.2	1.5	122	<0.1	0.2	<0.1	71	0.59	0.046	17
MP477	Soil			1.2	12.4	5.4	45	<0.1	9.7	6.1	184	2.12	1.8	0.7	0.9	28	<0.1	0.2	<0.1	62	0.26	0.019	6
MP478	Soil			1.4	27.8	6.1	48	<0.1	15.4	7.7	681	2.32	2.1	0.8	1.5	42	0.1	0.2	0.1	55	0.67	0.020	20
MP479	Soil			1.2	12.3	6.1	55	<0.1	10.4	6.3	172	2.17	2.2	<0.5	1.0	31	<0.1	0.2	0.1	60	0.28	0.045	5
MP480	Soil			0.6	39.3	8.1	69	0.1	20.9	9.3	660	2.79	2.6	0.5	1.8	71	0.2	0.2	0.1	64	0.86	0.047	28
MP481	Soil			0.7	41.7	6.1	58	<0.1	21.8	11.3	464	3.30	5.7	2.3	2.1	84	<0.1	0.4	0.1	90	0.55	0.059	14
MP482	Soil			0.8	16.7	6.4	68	<0.1	10.9	7.1	264	2.44	3.3	2.0	1.1	41	<0.1	0.2	<0.1	68	0.36	0.137	5
MP483	Soil			0.9	20.8	5.8	71	<0.1	14.6	9.4	240	2.58	3.2	0.6	1.5	38	0.1	0.3	0.1	69	0.33	0.112	7
MP484	Soil			0.9	11.2	6.7	46	<0.1	10.2	5.7	237	1.89	2.2	<0.5	1.0	32	<0.1	0.2	0.1	51	0.29	0.079	7
MP485	Soil			0.8	10.6	6.4	56	<0.1	11.3	7.3	358	2.24	2.3	8.4	1.0	23	<0.1	0.2	0.1	64	0.20	0.065	5
MP486	Soil			0.6	13.0	7.1	58	<0.1	12.0	7.2	473	2.13	3.0	2.0	0.9	37	<0.1	0.2	<0.1	62	0.26	0.071	5
MP487	Soil			0.8	10.3	6.6	48	<0.1	10.8	6.3	210	2.01	2.2	1.7	1.0	24	<0.1	0.2	<0.1	55	0.18	0.063	4
MP488	Soil			0.6	11.5	5.8	50	<0.1	11.6	6.6	251	1.99	2.1	<0.5	1.0	36	<0.1	0.2	<0.1	54	0.25	0.065	5
MP489	Soil			0.7	10.4	5.8	45	<0.1	9.5	5.9	177	1.85	1.9	<0.5	0.9	27	<0.1	0.2	<0.1	50	0.21	0.069	5
MP490	Soil			0.4	10.9	6.6	48	<0.1	9.2	4.9	158	1.65	1.4	<0.5	0.7	30	<0.1	0.1	<0.1	42	0.22	0.038	5
MP491	Soil			0.4	20.4	6.5	52	<0.1	13.3	7.1	635	2.13	1.8	1.2	1.2	62	0.1	0.2	<0.1	58	0.52	0.033	24
MP492	Soil			0.6	9.9	6.7	62	<0.1	10.6	6.2	278	1.72	1.7	0.5	1.0	24	<0.1	0.1	0.1	45	0.23	0.075	4
MP493	Soil			0.5	10.5	5.8	54	<0.1	10.2	6.4	340	1.93	1.9	<0.5	0.9	32	0.1	0.1	0.3	54	0.28	0.062	4
MP494	Soil			0.5	12.5	6.2	57	<0.1	11.6	6.7	394	2.22	2.2	<0.5	1.0	33	<0.1	0.2	0.1	61	0.23	0.057	5
MP495	Soil			0.3	10.0	5.4	61	<0.1	9.6	5.6	291	1.77	1.5	<0.5	0.8	35	<0.1	0.1	<0.1	48	0.30	0.034	7
MP496	Soil			0.4	11.1	6.0	56	<0.1	8.8	5.8	292	1.80	1.8	1.0	0.9	33	<0.1	0.1	<0.1	47	0.34	0.060	8
MP497	Soil			0.3	14.5	5.7	52	<0.1	11.5	6.3	223	2.01	1.7	0.6	1.0	33	<0.1	0.1	<0.1	50	0.38	0.048	12
MP498	Soil			0.4	11.2	5.8	66	0.1	12.8	7.3	340	2.11	2.3	436.2	0.9	33	<0.1	0.2	<0.1	59	0.30	0.089	5
MP499	Soil			0.5	13.2	6.0	52	<0.1	10.4	6.5	236	2.33	2.6	<0.5	1.1	36	<0.1	0.2	<0.1	67	0.38	0.041	8
MP500	Soil			0.5	14.3	6.5	44	<0.1	10.3	6.5	211	1.91	1.7	<0.5	1.0	36	<0.1	0.2	<0.1	54	0.31	0.036	12
MP501	Soil			0.6	11.6	6.0	59	<0.1	10.6	6.9	242	1.96	2.5	<0.5	1.0	30	<0.1	0.2	<0.1	55	0.22	0.085	5
MP502	Soil			0.5	58.6	7.8	55	0.3	22.3	9.8	613	3.07	2.6	0.8	2.2	71	0.2	0.3	0.1	56	1.21	0.045	59
MP503	Soil			0.6	15.1	6.4	56	<0.1	10.7	7.7	250	2.38	4.2	0.6	1.1	81	<0.1	0.3	<0.1	70	0.42	0.056	8
MP504	Soil			0.6	13.6	5.6	65	<0.1	12.4	7.8	320	2.30	2.9	4.9	1.2	38	<0.1	0.2	<0.1	66	0.30	0.071	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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP475	Soil	23	0.49	114	0.160	1	1.41	0.025	0.13	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
MP476	Soil	24	0.63	114	0.125	<1	1.85	0.028	0.17	<0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
MP477	Soil	16	0.31	71	0.083	<1	1.27	0.016	0.04	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
MP478	Soil	22	0.51	124	0.059	<1	2.11	0.021	0.07	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
MP479	Soil	16	0.30	87	0.079	<1	1.50	0.018	0.06	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
MP480	Soil	26	0.63	163	0.084	1	2.80	0.029	0.11	<0.1	0.02	7.5	<0.1	<0.05	8	<0.5	<0.2
MP481	Soil	32	0.76	156	0.141	1	2.18	0.021	0.12	<0.1	0.04	7.1	<0.1	<0.05	7	<0.5	<0.2
MP482	Soil	19	0.35	128	0.084	1	1.60	0.019	0.09	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
MP483	Soil	21	0.39	118	0.097	<1	1.95	0.016	0.07	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
MP484	Soil	15	0.26	101	0.078	1	1.51	0.019	0.07	<0.1	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
MP485	Soil	17	0.28	86	0.081	<1	1.59	0.013	0.05	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MP486	Soil	16	0.30	118	0.095	<1	1.62	0.016	0.06	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
MP487	Soil	14	0.24	81	0.088	1	1.67	0.016	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
MP488	Soil	16	0.28	106	0.089	<1	1.69	0.017	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
MP489	Soil	14	0.24	86	0.078	<1	1.63	0.014	0.06	<0.1	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
MP490	Soil	14	0.27	78	0.075	<1	1.40	0.015	0.04	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
MP491	Soil	19	0.46	127	0.106	<1	1.61	0.024	0.06	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
MP492	Soil	14	0.23	81	0.079	1	1.84	0.015	0.06	<0.1	0.01	2.0	<0.1	<0.05	7	<0.5	<0.2
MP493	Soil	14	0.28	96	0.087	<1	1.72	0.013	0.08	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
MP494	Soil	19	0.32	121	0.100	<1	1.85	0.015	0.07	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
MP495	Soil	14	0.28	99	0.091	<1	1.50	0.026	0.06	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
MP496	Soil	14	0.26	96	0.077	<1	1.58	0.019	0.06	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
MP497	Soil	17	0.29	90	0.072	<1	1.92	0.024	0.07	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
MP498	Soil	18	0.29	94	0.099	1	1.68	0.016	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MP499	Soil	20	0.36	87	0.092	<1	1.70	0.015	0.07	<0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
MP500	Soil	16	0.27	80	0.085	<1	1.51	0.019	0.07	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
MP501	Soil	16	0.27	88	0.096	1	1.59	0.016	0.07	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
MP502	Soil	28	0.66	170	0.049	1	3.70	0.025	0.11	<0.1	0.05	11.9	<0.1	<0.05	10	<0.5	<0.2
MP503	Soil	20	0.39	136	0.121	<1	1.20	0.017	0.09	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
MP504	Soil	18	0.36	114	0.115	1	1.65	0.018	0.06	<0.1	0.01	3.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 8 of 8 Part 1

CERTIFICATE OF ANALYSIS

VAN11004445.1

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	
MP505	Soil	0.6	13.5	6.1	57	<0.1	12.1	7.8	381	2.31	3.3	4.5	1.0	83	<0.1	0.2	<0.1	64	0.39	0.068	7
BM11S-49	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP506	Soil	0.5	13.9	5.8	59	<0.1	12.3	7.0	586	2.37	3.6	<0.5	0.9	78	<0.1	0.2	0.1	67	0.38	0.059	7
MP507	Soil	0.5	27.9	6.1	80	0.1	16.8	8.7	1089	2.68	3.6	<0.5	1.1	79	0.1	0.2	0.1	65	0.65	0.052	24
MP508	Soil	0.7	17.0	5.7	70	<0.1	13.6	8.4	561	2.71	4.0	<0.5	1.1	95	0.2	0.3	0.1	70	0.63	0.092	8
MP509	Soil	0.7	13.0	6.1	62	<0.1	10.3	6.1	213	2.08	3.2	1.8	0.9	37	<0.1	0.2	0.1	53	0.28	0.106	5
MP510	Soil	0.6	13.1	6.6	62	<0.1	10.9	6.2	215	2.15	3.0	<0.5	0.9	37	<0.1	0.2	0.1	54	0.28	0.107	5
MP511	Soil	0.6	13.0	6.3	62	<0.1	10.7	6.4	206	2.19	3.0	<0.5	1.0	36	<0.1	0.1	0.1	54	0.26	0.110	5
MP512	Soil	0.6	20.4	2.5	80	<0.1	72.6	17.3	219	2.87	1.0	<0.5	1.3	40	<0.1	<0.1	<0.1	69	0.41	0.185	7
MP513	Soil	0.8	17.1	2.7	64	<0.1	73.7	18.0	221	3.08	1.0	<0.5	1.0	42	<0.1	<0.1	0.1	69	0.45	0.177	6
MP514	Soil	0.6	22.6	2.3	75	<0.1	72.0	17.8	406	3.18	1.5	<0.5	1.4	57	<0.1	<0.1	<0.1	72	0.57	0.224	9
MP323D	Soil	0.3	26.5	4.7	89	0.1	139.4	18.7	498	2.89	1.1	<0.5	0.8	61	<0.1	<0.1	0.1	83	0.27	0.128	6



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 07, 2011

**Page:** 8 of 8 Part 2

CERTIFICATE OF ANALYSIS

VAN11004445.1

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
MP505	Soil	19	0.37	131	0.120	<1	1.47	0.017	0.10	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
BM11S-49	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
MP506	Soil	20	0.36	126	0.126	1	1.33	0.017	0.10	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
MP507	Soil	22	0.51	147	0.089	2	2.09	0.022	0.10	<0.1	0.04	6.1	<0.1	<0.05	6	<0.5	<0.2
MP508	Soil	21	0.47	143	0.124	2	1.50	0.020	0.18	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
MP509	Soil	16	0.27	111	0.093	<1	1.62	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
MP510	Soil	16	0.27	112	0.090	1	1.70	0.016	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MP511	Soil	16	0.28	112	0.088	1	1.71	0.020	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
MP512	Soil	34	1.08	86	0.083	<1	2.96	0.034	0.04	<0.1	<0.01	1.5	<0.1	<0.05	7	<0.5	<0.2
MP513	Soil	39	1.20	68	0.075	<1	2.83	0.037	0.06	<0.1	0.01	1.3	<0.1	<0.05	7	<0.5	<0.2
MP514	Soil	44	1.39	67	0.077	1	2.70	0.055	0.06	<0.1	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
MP323D	Soil	209	1.03	111	0.087	2	2.33	0.034	0.06	<0.1	0.01	1.7	<0.1	<0.05	7	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004445.1

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																					
MP347	Soil	0.5	13.3	6.6	64	0.2	8.6	5.9	422	2.29	2.1	<0.5	1.0	54	0.1	0.3	<0.1	54	0.73	0.030	14
REP MP347	QC	0.6	13.2	6.9	62	0.2	8.9	6.1	430	2.31	2.2	0.7	1.1	56	0.1	0.2	<0.1	54	0.76	0.032	15
MP355	Soil	0.6	11.9	7.3	54	<0.1	6.7	6.1	560	1.99	3.9	<0.5	0.8	43	<0.1	0.2	0.1	48	0.31	0.065	6
REP MP355	QC	0.6	11.9	7.0	54	<0.1	6.8	5.8	537	1.95	3.6	2.3	0.8	44	<0.1	0.2	0.1	46	0.30	0.067	6
MP382	Soil	0.9	10.0	9.2	84	<0.1	8.2	6.2	1538	2.21	2.9	0.6	1.1	23	0.2	0.2	0.2	49	0.24	0.072	8
REP MP382	QC	0.9	10.0	9.6	83	<0.1	7.7	6.5	1554	2.18	2.9	<0.5	1.0	23	0.2	0.2	0.1	48	0.25	0.073	8
MP404	Soil	0.5	9.9	5.2	51	<0.1	10.4	6.1	452	2.12	2.6	0.9	0.6	68	<0.1	0.2	<0.1	61	0.35	0.067	5
REP MP404	QC	0.5	9.9	5.2	49	<0.1	10.9	6.3	452	2.14	2.6	1.6	0.7	68	<0.1	0.2	<0.1	61	0.35	0.065	5
MP409	Soil	0.6	9.0	5.5	50	<0.1	8.2	5.6	217	2.04	3.3	1.5	0.7	43	<0.1	0.2	<0.1	54	0.26	0.134	5
REP MP409	QC	0.6	8.9	5.5	52	<0.1	8.1	5.8	225	2.07	3.5	2.0	0.8	43	<0.1	0.2	<0.1	56	0.26	0.135	5
MP432	Soil	1.0	11.0	7.1	64	0.1	8.4	6.1	821	1.86	2.8	<0.5	1.0	22	<0.1	0.2	<0.1	43	0.21	0.074	6
REP MP432	QC	1.0	11.3	7.3	67	0.1	8.6	6.5	872	1.95	2.8	1.7	1.1	21	<0.1	0.2	0.1	45	0.22	0.078	6
MP451	Soil	0.4	6.3	4.8	37	<0.1	4.0	2.9	337	1.18	0.9	<0.5	0.4	33	<0.1	0.1	<0.1	34	0.28	0.026	5
REP MP451	QC	0.4	5.8	4.6	34	<0.1	3.6	2.6	312	1.10	0.9	<0.5	0.4	30	<0.1	0.1	<0.1	31	0.25	0.024	5
MP476	Soil	0.5	20.9	5.8	48	<0.1	19.0	9.6	343	2.66	3.8	1.2	1.5	122	<0.1	0.2	<0.1	71	0.59	0.046	17
REP MP476	QC	0.5	22.0	5.8	49	<0.1	20.0	10.4	368	2.82	4.2	1.6	1.6	125	<0.1	0.3	0.1	77	0.64	0.048	18
MP493	Soil	0.5	10.5	5.8	54	<0.1	10.2	6.4	340	1.93	1.9	<0.5	0.9	32	0.1	0.1	0.3	54	0.28	0.062	4
REP MP493	QC	0.5	11.1	5.9	57	<0.1	11.2	6.7	359	2.00	2.0	0.9	0.9	33	<0.1	0.2	0.1	53	0.28	0.062	5
MP509	Soil	0.7	13.0	6.1	62	<0.1	10.3	6.1	213	2.08	3.2	1.8	0.9	37	<0.1	0.2	0.1	53	0.28	0.106	5
REP MP509	QC	0.7	13.2	6.3	65	<0.1	10.7	6.2	224	2.20	3.3	<0.5	0.9	40	<0.1	0.2	0.1	55	0.29	0.107	6
Reference Materials																					
STD DS8	Standard	14.1	112.4	126.3	323	1.9	38.8	7.7	630	2.51	26.0	112.5	6.9	70	2.5	5.5	6.4	43	0.70	0.084	16
STD DS8	Standard	14.2	110.2	128.2	320	1.8	38.8	7.6	644	2.52	24.5	114.9	7.0	68	2.2	5.7	6.2	45	0.73	0.083	17
STD DS8	Standard	13.9	115.8	125.4	322	1.9	40.9	7.8	633	2.52	25.3	117.7	7.2	69	2.4	6.1	6.7	45	0.75	0.076	16
STD DS8	Standard	13.2	111.5	124.1	325	1.7	39.2	7.7	607	2.47	25.3	116.0	6.7	72	2.4	5.5	6.8	41	0.74	0.083	15
STD DS8	Standard	11.2	100.9	122.3	300	1.8	33.9	6.8	589	2.30	24.1	108.1	5.9	63	2.3	5.0	6.3	37	0.63	0.080	13
STD DS8	Standard	14.5	119.0	132.0	320	1.8	40.5	7.9	627	2.50	25.0	111.8	7.8	68	2.4	5.8	6.6	46	0.74	0.079	18
STD DS8	Standard	11.8	101.1	122.6	302	1.8	34.8	6.7	579	2.32	23.9	108.7	6.8	64	2.3	5.1	6.5	38	0.66	0.073	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.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004445.1

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																	
MP347	Soil	15	0.30	150	0.076	2	1.81	0.026	0.05	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
REP MP347	QC	14	0.32	154	0.076	2	1.91	0.026	0.06	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
MP355	Soil	11	0.27	129	0.071	2	1.53	0.012	0.07	<0.1	0.06	2.5	<0.1	<0.05	5	<0.5	<0.2
REP MP355	QC	10	0.26	126	0.072	1	1.49	0.014	0.07	<0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
MP382	Soil	12	0.28	128	0.073	1	2.38	0.011	0.07	<0.1	0.04	2.5	<0.1	<0.05	8	<0.5	<0.2
REP MP382	QC	12	0.28	128	0.066	<1	2.28	0.011	0.07	<0.1	0.04	2.3	<0.1	<0.05	8	<0.5	<0.2
MP404	Soil	17	0.32	117	0.123	<1	1.44	0.026	0.10	<0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
REP MP404	QC	17	0.33	119	0.126	<1	1.50	0.022	0.10	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
MP409	Soil	15	0.25	124	0.085	<1	1.40	0.020	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
REP MP409	QC	15	0.25	120	0.086	<1	1.42	0.013	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
MP432	Soil	12	0.25	167	0.043	<1	1.69	0.012	0.07	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
REP MP432	QC	12	0.26	169	0.042	<1	1.68	0.013	0.07	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5	<0.2
MP451	Soil	9	0.14	84	0.051	<1	0.75	0.014	0.05	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
REP MP451	QC	8	0.13	78	0.044	<1	0.65	0.012	0.04	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
MP476	Soil	24	0.63	114	0.125	<1	1.85	0.028	0.17	<0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
REP MP476	QC	26	0.65	114	0.151	1	1.91	0.031	0.18	<0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
MP493	Soil	14	0.28	96	0.087	<1	1.72	0.013	0.08	<0.1	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
REP MP493	QC	16	0.28	102	0.089	<1	1.78	0.014	0.08	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
MP509	Soil	16	0.27	111	0.093	<1	1.62	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
REP MP509	QC	17	0.28	119	0.096	1	1.69	0.015	0.07	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	118	0.62	289	0.124	3	0.95	0.101	0.43	3.1	0.21	2.7	5.4	0.14	5	5.5	5.3
STD DS8	Standard	122	0.64	295	0.125	2	0.99	0.100	0.43	3.2	0.20	2.1	5.6	0.17	5	5.3	4.9
STD DS8	Standard	125	0.60	281	0.128	2	0.96	0.102	0.43	3.2	0.21	2.9	5.5	0.14	5	4.7	5.2
STD DS8	Standard	115	0.62	283	0.113	2	1.00	0.112	0.46	3.0	0.19	2.6	5.3	0.14	5	6.4	5.1
STD DS8	Standard	108	0.58	261	0.094	3	0.87	0.092	0.41	2.7	0.18	2.2	5.2	0.16	4	5.3	4.8
STD DS8	Standard	122	0.63	278	0.126	2	0.94	0.096	0.41	2.9	0.21	2.4	5.4	0.17	5	5.3	4.8
STD DS8	Standard	108	0.55	251	0.100	2	0.84	0.082	0.39	2.8	0.17	2.2	5.2	0.14	4	5.8	4.7



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: October 07, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004445.1

		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 DS8	Standard	14.8	126.9	137.5	334	1.8	42.5	8.5	654	2.63	25.3	113.2	7.9	66	2.4	5.7	7.1	46	0.75	0.082	18
STD DS8	Standard	13.5	102.9	125.5	303	1.8	38.0	7.8	609	2.41	24.5	109.8	6.9	68	2.4	5.6	6.5	43	0.72	0.078	17
STD DS8	Standard	12.4	111.3	123.8	303	1.8	34.7	6.9	561	2.32	24.6	102.6	6.6	66	2.2	5.7	7.4	38	0.65	0.075	14
STD DS8	Standard	13.1	114.6	122.1	317	1.9	37.9	7.7	611	2.45	25.9	110.8	6.2	64	2.3	5.1	6.7	43	0.67	0.078	14
STD DS8	Standard	12.8	106.8	125.1	303	1.8	36.4	7.4	609	2.40	26.3	115.1	7.4	67	2.2	5.7	7.2	39	0.69	0.078	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** October 07, 2011

**Page:** 2 of 2 **Part** 2

QUALITY CONTROL REPORT

VAN11004445.1

		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 DS8	Standard	128	0.64	274	0.125	2	0.98	0.086	0.42	3.1	0.20	2.3	5.7	0.19	5	5.6	5.5
STD DS8	Standard	118	0.63	283	0.118	4	0.97	0.101	0.43	2.8	0.22	2.6	5.4	0.16	5	5.2	4.6
STD DS8	Standard	107	0.58	264	0.106	3	0.87	0.097	0.42	2.8	0.20	2.6	5.4	0.18	5	4.8	4.7
STD DS8	Standard	119	0.62	280	0.111	2	0.97	0.112	0.43	3.0	0.20	2.4	5.5	0.15	5	5.4	4.9
STD DS8	Standard	111	0.60	274	0.110	2	0.89	0.087	0.41	3.1	0.20	2.3	5.4	0.15	5	5.3	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 22, 2011
Report Date: September 30, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN11004446.1

CLIENT JOB INFORMATION

Project: Brookmere
Shipment ID: #3
P.O. Number
Number of Samples: 153

SAMPLE DISPOSAL

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

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

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

CC: Steve Butrenchuk

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include: Dry at 60C (153), SS80 (150), 1DX2 (150).

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.





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004446.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
JC346	Soil	0.6	7.6	5.8	42	<0.1	5.9	4.6	360	1.37	1.5	<0.5	0.5	33	0.1	0.1	<0.1	36	0.19	0.032	4
JC347	Soil	0.3	7.4	6.0	49	<0.1	5.5	3.7	334	1.30	1.0	10.7	0.5	34	<0.1	0.1	<0.1	34	0.24	0.030	6
JC348	Soil	0.5	7.6	5.3	55	<0.1	6.6	4.9	223	1.57	1.4	<0.5	0.7	19	<0.1	<0.1	<0.1	38	0.13	0.085	4
JC349	Soil	0.4	9.8	5.3	53	<0.1	8.5	4.7	346	1.60	1.7	1.7	0.8	34	<0.1	<0.1	<0.1	37	0.22	0.057	8
JC350	Soil	0.5	9.3	5.4	52	<0.1	8.5	5.0	273	1.65	2.0	<0.5	0.7	32	<0.1	0.1	<0.1	41	0.18	0.070	5
JC351	Soil	0.5	9.0	6.5	55	<0.1	8.2	4.6	449	1.57	2.0	<0.5	0.6	35	<0.1	0.1	<0.1	41	0.21	0.071	5
JC352	Soil	0.4	20.2	5.8	51	<0.1	6.2	7.9	933	2.28	1.9	<0.5	1.1	89	0.1	<0.1	0.1	63	0.35	0.069	6
JC353	Soil	0.5	23.9	5.9	54	0.1	6.9	9.4	653	2.75	2.1	<0.5	1.3	130	<0.1	<0.1	0.1	80	0.46	0.058	10
JC354	Soil	0.5	18.1	5.3	48	<0.1	7.3	7.3	673	2.20	2.2	<0.5	1.1	101	0.1	0.1	0.1	61	0.35	0.056	6
JC355	Soil	0.3	35.6	7.0	50	<0.1	7.5	13.2	902	3.30	2.0	<0.5	2.4	310	<0.1	0.1	0.1	98	0.74	0.082	11
JC356	Soil	0.7	17.7	7.7	52	<0.1	8.2	7.1	1146	2.21	3.0	0.8	0.9	52	0.1	0.2	0.1	52	0.25	0.115	6
JC357	Soil	0.6	18.7	6.0	48	<0.1	9.6	7.3	499	2.34	2.9	0.8	1.3	17	<0.1	0.1	0.1	57	0.25	0.071	6
JC358	Soil	0.6	15.8	6.0	48	<0.1	14.8	8.2	382	2.43	2.5	10.6	1.0	25	<0.1	0.1	<0.1	51	0.13	0.070	5
JC359	Soil	0.6	12.7	6.0	46	0.1	8.5	5.8	289	1.87	2.0	<0.5	1.0	18	<0.1	0.1	0.1	43	0.17	0.080	5
JC360	Soil	0.7	14.7	6.3	46	0.1	6.6	5.6	382	1.91	2.6	<0.5	0.8	30	<0.1	0.1	0.1	46	0.39	0.093	7
JC361	Soil	0.5	11.2	6.9	59	0.1	7.8	5.9	1089	1.88	2.2	1.1	0.7	22	0.1	0.1	<0.1	40	0.16	0.124	4
JC362	Soil	0.9	14.0	6.3	48	0.1	8.5	6.7	651	2.18	3.0	<0.5	0.7	21	<0.1	0.2	<0.1	50	0.14	0.070	5
JC363	Soil	0.6	12.2	6.0	54	<0.1	7.2	5.3	1559	1.85	2.4	<0.5	0.6	22	0.1	0.1	0.1	43	0.13	0.091	5
JC364	Soil	0.9	18.2	7.5	56	<0.1	10.4	8.1	624	2.60	3.9	5.1	1.2	28	<0.1	0.2	0.1	57	0.18	0.053	6
JC365	Soil	0.7	17.2	7.2	46	0.2	8.9	6.9	647	2.13	2.9	<0.5	1.2	27	0.2	0.2	0.1	48	0.19	0.088	10
JC366	Soil	0.6	18.5	6.7	51	<0.1	10.6	8.2	408	2.35	3.8	<0.5	1.3	32	<0.1	0.2	0.1	55	0.15	0.063	7
JC367	Soil	0.5	14.6	7.2	48	<0.1	8.6	8.2	627	2.17	3.3	<0.5	0.9	32	<0.1	0.2	0.1	48	0.18	0.069	12
JC368	Soil	0.6	16.7	7.6	56	<0.1	10.9	8.8	1084	2.54	3.6	0.9	1.0	34	<0.1	0.2	0.1	62	0.18	0.051	18
JC369	Soil	0.7	15.0	7.9	74	<0.1	10.6	6.4	1358	2.10	2.7	<0.5	0.7	20	0.2	0.1	0.1	44	0.19	0.115	5
JC370	Soil	0.8	13.7	6.6	71	<0.1	8.6	6.0	1058	2.04	2.5	<0.5	0.7	17	0.2	<0.1	0.1	40	0.17	0.115	5
JC371	Soil	0.6	9.9	6.5	65	0.1	7.8	5.7	833	1.64	2.5	0.7	0.6	26	0.3	<0.1	<0.1	36	0.23	0.113	4
JC372	Soil	0.6	12.4	5.8	62	0.1	8.3	7.0	305	2.25	2.9	1.4	0.8	33	0.1	0.2	0.1	59	0.24	0.080	6
JC373	Soil	0.7	15.3	6.5	85	<0.1	11.9	8.2	1118	2.56	2.6	1.3	1.0	30	0.1	0.2	0.1	68	0.30	0.080	5
JC374	Soil	0.5	10.5	5.3	53	<0.1	7.9	5.7	401	2.05	1.3	0.9	0.8	32	0.1	0.2	0.1	58	0.37	0.022	8
JC375	Soil	0.7	15.3	6.4	56	0.2	9.4	7.0	419	2.36	2.3	105.0	0.8	35	0.2	0.3	0.1	67	0.34	0.079	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 2 of 7 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004446.1

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	
JC346	Soil	9	0.21	77	0.072	2	0.99	0.011	0.05	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
JC347	Soil	9	0.19	86	0.061	2	1.00	0.019	0.04	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
JC348	Soil	10	0.18	85	0.043	1	1.32	0.011	0.05	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
JC349	Soil	11	0.25	101	0.058	2	1.44	0.011	0.07	<0.1	0.01	2.1	<0.1	<0.05	5	0.6	<0.2
JC350	Soil	11	0.21	96	0.070	1	1.34	0.010	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
JC351	Soil	11	0.21	105	0.071	2	1.19	0.011	0.07	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
JC352	Soil	9	0.40	81	0.155	3	2.39	0.016	0.08	<0.1	0.03	2.9	<0.1	<0.05	8	<0.5	<0.2
JC353	Soil	10	0.54	76	0.178	1	2.97	0.027	0.05	<0.1	0.03	4.6	<0.1	<0.05	9	<0.5	<0.2
JC354	Soil	10	0.34	86	0.131	<1	2.47	0.015	0.10	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
JC355	Soil	10	0.94	92	0.277	2	2.71	0.057	0.05	<0.1	0.04	4.7	<0.1	<0.05	8	0.9	<0.2
JC356	Soil	11	0.33	80	0.088	2	2.53	0.014	0.08	<0.1	0.05	2.5	<0.1	<0.05	7	0.6	<0.2
JC357	Soil	12	0.37	78	0.115	1	3.17	0.014	0.06	<0.1	0.03	3.1	<0.1	<0.05	10	<0.5	<0.2
JC358	Soil	14	0.39	84	0.088	1	2.77	0.016	0.05	<0.1	0.04	2.4	<0.1	<0.05	8	<0.5	<0.2
JC359	Soil	10	0.28	91	0.079	1	2.81	0.014	0.05	<0.1	0.03	2.3	<0.1	<0.05	8	0.9	<0.2
JC360	Soil	9	0.35	68	0.074	2	2.57	0.014	0.08	<0.1	0.04	2.8	<0.1	<0.05	9	<0.5	<0.2
JC361	Soil	11	0.22	129	0.052	<1	1.85	0.011	0.06	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
JC362	Soil	12	0.28	92	0.052	1	2.17	0.011	0.05	<0.1	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2
JC363	Soil	9	0.22	76	0.060	<1	1.96	0.013	0.05	<0.1	0.04	1.9	<0.1	<0.05	6	0.7	<0.2
JC364	Soil	16	0.40	128	0.043	1	2.03	0.013	0.08	<0.1	0.01	2.7	<0.1	<0.05	6	0.5	<0.2
JC365	Soil	12	0.30	108	0.062	2	2.63	0.014	0.07	<0.1	0.05	3.4	<0.1	<0.05	8	0.8	<0.2
JC366	Soil	14	0.36	127	0.067	1	2.79	0.014	0.07	<0.1	0.04	3.2	<0.1	<0.05	8	<0.5	<0.2
JC367	Soil	13	0.29	109	0.055	1	2.34	0.012	0.06	<0.1	0.05	3.2	<0.1	<0.05	7	<0.5	<0.2
JC368	Soil	15	0.38	116	0.062	<1	2.59	0.011	0.07	<0.1	0.04	3.6	<0.1	<0.05	7	0.5	<0.2
JC369	Soil	11	0.34	104	0.066	2	2.59	0.013	0.06	<0.1	0.05	2.4	<0.1	<0.05	8	<0.5	<0.2
JC370	Soil	10	0.29	87	0.068	<1	2.41	0.014	0.06	<0.1	0.05	2.3	<0.1	<0.05	8	<0.5	<0.2
JC371	Soil	9	0.22	115	0.050	1	1.56	0.013	0.05	<0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
JC372	Soil	14	0.30	118	0.075	2	1.39	0.014	0.07	<0.1	0.02	2.1	<0.1	0.06	5	<0.5	<0.2
JC373	Soil	20	0.37	129	0.077	2	2.46	0.016	0.10	<0.1	0.02	2.7	<0.1	0.05	8	<0.5	<0.2
JC374	Soil	15	0.31	108	0.085	2	1.43	0.019	0.05	<0.1	0.02	2.6	<0.1	0.05	5	<0.5	<0.2
JC375	Soil	18	0.34	142	0.088	2	1.50	0.013	0.11	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004446.1

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	
JC376	Soil	0.6	15.7	5.5	57	<0.1	12.1	7.7	740	2.40	2.6	1.0	0.9	37	0.1	0.2	0.1	66	0.28	0.044	5
JC377	Soil	0.5	15.8	5.3	52	<0.1	19.4	7.3	365	2.29	2.1	3.0	1.1	50	<0.1	0.2	<0.1	67	0.38	0.021	11
JC378	Soil	0.5	16.8	5.0	51	<0.1	19.6	7.4	386	2.27	2.0	0.9	1.1	48	<0.1	0.2	0.1	64	0.38	0.024	11
JC379	Soil	0.9	16.1	6.6	74	<0.1	19.7	9.6	303	2.71	3.4	1.8	1.1	30	<0.1	0.2	0.1	65	0.39	0.104	6
JC380	Soil	0.7	24.1	6.4	43	0.1	16.5	6.9	286	2.49	2.8	3.8	1.1	47	0.1	0.2	0.1	66	0.57	0.034	15
JC381	Soil	0.7	18.9	6.4	44	0.1	16.0	7.5	506	2.50	2.8	1.3	1.2	54	<0.1	0.2	0.1	70	0.58	0.018	9
JC382	Soil	0.9	17.5	6.9	39	0.2	12.9	7.2	463	2.37	2.9	1.6	1.2	58	0.1	0.2	0.1	67	0.78	0.032	18
JC383	Soil	0.6	13.6	6.5	57	<0.1	11.5	6.9	325	2.23	2.2	1.3	0.9	31	<0.1	0.2	<0.1	59	0.30	0.057	9
JC384	Soil	0.6	14.2	7.3	61	<0.1	11.7	7.2	372	2.27	2.4	1.2	0.8	31	0.1	0.2	<0.1	60	0.32	0.061	10
JC385	Soil	0.6	16.7	6.7	78	<0.1	15.1	8.4	719	2.36	3.3	0.9	1.0	73	<0.1	0.2	<0.1	64	0.48	0.075	11
JC386	Soil	0.7	9.9	5.9	66	<0.1	13.1	6.4	665	2.01	2.1	1.6	0.8	31	<0.1	0.2	<0.1	53	0.26	0.078	5
JC387	Soil	0.5	9.0	6.0	62	<0.1	13.4	5.6	483	1.72	1.6	1.1	0.7	34	<0.1	0.1	<0.1	46	0.20	0.063	6
JC388	Soil	0.5	8.4	5.9	63	<0.1	14.8	6.5	496	1.87	1.5	<0.5	0.7	33	<0.1	0.2	<0.1	54	0.21	0.043	4
JC389	Soil	0.5	9.8	6.0	68	<0.1	15.3	6.3	682	1.94	2.1	1.8	0.7	38	<0.1	0.1	<0.1	54	0.25	0.063	4
JC390	Soil	0.4	9.4	5.3	60	<0.1	11.2	5.7	325	1.82	1.7	<0.5	0.8	41	<0.1	0.2	<0.1	50	0.22	0.052	5
BM11S-32	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC391	Soil	0.4	9.8	5.5	56	<0.1	10.7	5.6	480	1.60	1.6	1.0	0.7	36	<0.1	0.1	<0.1	42	0.22	0.064	8
JC392	Soil	0.4	11.5	5.2	70	<0.1	10.9	5.9	421	1.86	2.1	<0.5	0.8	40	<0.1	0.2	<0.1	49	0.24	0.083	7
JC393	Soil	0.5	11.3	5.8	60	<0.1	10.0	5.9	464	1.88	2.2	<0.5	0.8	45	<0.1	0.2	<0.1	47	0.32	0.070	8
JC394	Soil	0.3	9.2	5.5	46	<0.1	9.1	4.8	250	1.72	1.1	0.8	0.7	44	<0.1	0.2	<0.1	49	0.27	0.021	7
JC395	Soil	0.3	11.5	4.9	53	<0.1	11.7	6.7	694	1.87	1.3	<0.5	1.0	57	0.1	0.1	<0.1	52	0.40	0.035	17
JC396	Soil	0.4	7.7	5.8	41	<0.1	7.5	5.0	411	1.56	1.2	2.5	0.6	36	<0.1	0.2	<0.1	43	0.22	0.024	6
JC397	Soil	0.6	13.6	5.4	78	<0.1	16.3	7.8	758	2.07	2.0	<0.5	1.3	38	0.1	<0.1	<0.1	58	0.37	0.085	8
JC398	Soil	0.4	13.2	5.5	53	<0.1	12.6	6.7	326	1.90	2.1	<0.5	1.0	38	<0.1	0.1	<0.1	50	0.27	0.074	8
JC399	Soil	0.4	27.0	6.8	43	0.1	13.7	7.3	439	2.17	2.6	1.6	1.8	54	<0.1	0.1	<0.1	53	0.43	0.034	30
JC400	Soil	0.5	9.6	5.7	63	<0.1	9.5	6.0	552	1.99	2.8	<0.5	0.8	34	<0.1	0.2	<0.1	53	0.25	0.096	5
JC401	Soil	0.6	10.4	5.4	57	<0.1	9.9	6.3	438	2.08	2.8	1.5	0.9	41	0.1	0.2	<0.1	57	0.29	0.078	6
JC402	Soil	0.7	12.2	6.1	58	<0.1	10.9	7.2	592	2.27	3.4	0.8	0.9	54	0.1	0.2	<0.1	63	0.31	0.085	6
JC403	Soil	0.4	13.9	5.5	48	<0.1	8.7	5.1	553	1.87	1.9	4.7	0.9	45	<0.1	0.2	<0.1	52	0.39	0.032	16
JC404	Soil	0.4	12.6	5.9	46	<0.1	8.9	5.1	327	1.86	2.0	<0.5	0.9	41	<0.1	0.2	<0.1	51	0.37	0.025	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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 3 of 7 Part 2

CERTIFICATE OF ANALYSIS

VAN11004446.1

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	
JC376	Soil	21	0.38	125	0.099	2	1.67	0.014	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
JC377	Soil	33	0.45	86	0.101	1	1.59	0.022	0.05	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
JC378	Soil	31	0.44	88	0.097	2	1.63	0.024	0.05	<0.1	0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
JC379	Soil	35	0.49	103	0.107	3	2.88	0.018	0.06	<0.1	0.03	3.1	<0.1	<0.05	10	<0.5	<0.2
JC380	Soil	24	0.39	113	0.076	2	2.23	0.022	0.05	<0.1	0.03	3.9	<0.1	<0.05	7	<0.5	<0.2
JC381	Soil	26	0.42	115	0.094	2	1.92	0.029	0.04	<0.1	0.02	3.6	<0.1	0.05	6	<0.5	<0.2
JC382	Soil	23	0.48	111	0.089	2	2.37	0.028	0.05	<0.1	0.03	5.8	<0.1	0.05	7	<0.5	<0.2
JC383	Soil	18	0.36	93	0.071	<1	1.67	0.017	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
JC384	Soil	19	0.36	95	0.076	2	1.67	0.015	0.06	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
JC385	Soil	22	0.46	127	0.098	1	1.65	0.024	0.09	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
JC386	Soil	17	0.30	123	0.079	1	1.60	0.014	0.09	<0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
JC387	Soil	19	0.26	101	0.083	1	1.42	0.017	0.09	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
JC388	Soil	22	0.29	108	0.089	<1	1.46	0.014	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
JC389	Soil	20	0.29	135	0.104	1	1.62	0.014	0.10	<0.1	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
JC390	Soil	16	0.27	105	0.084	<1	1.24	0.017	0.06	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
BM11S-32	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC391	Soil	14	0.24	101	0.076	<1	1.47	0.016	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
JC392	Soil	16	0.27	117	0.071	<1	1.62	0.015	0.07	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
JC393	Soil	15	0.27	125	0.080	1	1.59	0.015	0.11	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
JC394	Soil	15	0.28	88	0.114	<1	1.26	0.023	0.06	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
JC395	Soil	15	0.35	90	0.114	<1	1.44	0.025	0.08	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
JC396	Soil	12	0.23	88	0.088	<1	1.19	0.017	0.05	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
JC397	Soil	14	0.43	89	0.129	1	1.95	0.023	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
JC398	Soil	14	0.31	84	0.096	<1	1.95	0.019	0.06	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
JC399	Soil	18	0.46	100	0.084	<1	2.05	0.024	0.08	<0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
JC400	Soil	14	0.25	124	0.089	<1	1.43	0.013	0.07	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
JC401	Soil	16	0.29	113	0.103	1	1.31	0.015	0.09	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
JC402	Soil	18	0.33	127	0.104	1	1.43	0.017	0.09	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
JC403	Soil	14	0.29	112	0.094	1	1.29	0.024	0.06	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
JC404	Soil	15	0.30	99	0.106	<1	1.26	0.024	0.06	<0.1	0.03	3.0	<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.



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 4 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004446.1

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		
				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	
JC405	Soil			0.4	12.4	5.8	51	<0.1	7.7	5.4	330	1.77	1.9	0.9	0.9	43	0.1	0.2	<0.1	48	0.38	0.033	9
JC406	Soil			0.7	10.3	6.4	69	<0.1	12.6	7.1	488	2.46	2.5	<0.5	0.8	33	<0.1	0.2	<0.1	75	0.22	0.069	5
JC407	Soil			0.5	9.1	5.3	47	<0.1	5.8	5.6	354	1.57	2.1	1.6	0.6	33	0.2	0.2	0.1	40	0.20	0.086	5
JC408	Soil			0.6	26.6	5.9	57	<0.1	14.6	9.7	558	2.70	5.7	2.2	1.3	106	0.1	0.3	<0.1	70	0.79	0.084	14
JC409	Soil			0.6	23.7	5.7	54	<0.1	13.2	8.6	557	2.48	5.2	2.7	1.1	100	0.1	0.4	<0.1	67	0.75	0.085	13
JC410	Soil			0.7	8.9	5.9	52	<0.1	10.5	5.7	268	1.86	2.2	1.2	0.8	30	<0.1	0.2	<0.1	49	0.17	0.082	4
JC411	Soil			0.7	9.3	5.9	53	<0.1	10.7	5.8	270	1.88	2.5	1.6	0.8	33	<0.1	0.2	<0.1	51	0.18	0.078	5
JC412	Soil			0.6	8.8	6.0	54	<0.1	10.2	5.6	296	1.83	2.4	2.6	0.8	30	<0.1	0.2	<0.1	48	0.18	0.080	5
JC413	Soil			0.6	7.0	6.5	51	<0.1	8.6	4.8	622	1.59	1.8	1.3	0.7	21	0.1	0.2	<0.1	39	0.33	0.066	4
JC414	Soil			0.6	12.8	5.1	56	<0.1	9.5	6.3	269	2.05	2.0	1.2	0.9	22	<0.1	0.2	0.2	51	0.20	0.062	4
JC415	Soil			0.7	63.1	10.3	85	0.4	25.5	11.8	902	3.78	3.6	2.0	2.1	62	0.2	0.3	0.2	56	0.90	0.074	39
JC416	Soil			0.5	20.9	5.8	44	0.1	10.7	6.5	502	2.11	1.7	2.4	1.1	39	0.1	0.2	<0.1	48	0.49	0.036	23
JC417	Soil			0.4	6.9	4.4	39	<0.1	5.6	3.6	266	1.27	0.8	7.0	0.5	24	<0.1	0.2	<0.1	34	0.31	0.018	8
JC418	Soil			0.7	7.2	5.7	37	<0.1	7.3	4.6	296	1.64	1.3	1.6	0.6	17	<0.1	0.2	<0.1	42	0.17	0.030	4
JC419	Soil			0.6	8.7	5.5	40	<0.1	8.3	5.2	250	1.83	1.8	0.7	0.7	18	<0.1	0.2	<0.1	46	0.19	0.038	4
JC420	Soil			0.5	9.2	5.6	34	<0.1	6.6	4.6	186	1.64	1.4	1.2	0.8	44	<0.1	0.2	<0.1	43	0.38	0.016	6
JC421	Soil			0.7	8.8	6.2	57	<0.1	7.3	5.3	377	1.66	1.6	0.7	0.6	21	<0.1	0.1	<0.1	41	0.23	0.058	4
JC422	Soil			0.6	6.8	5.4	34	<0.1	5.9	3.6	122	1.43	1.1	2.0	0.5	17	<0.1	0.1	<0.1	34	0.15	0.053	3
JC423	Soil			0.6	10.0	5.7	46	<0.1	8.5	5.7	285	2.01	2.1	1.0	0.7	27	<0.1	0.2	<0.1	49	0.23	0.068	4
JC424	Soil			0.7	11.3	6.1	47	<0.1	7.7	5.6	568	1.83	2.0	0.8	0.7	30	<0.1	0.2	<0.1	45	0.30	0.053	8
JC425	Soil			0.6	5.0	5.2	29	<0.1	4.5	3.2	225	1.36	1.9	1.5	0.5	20	<0.1	0.1	<0.1	34	0.25	0.042	4
JC426	Soil			0.6	6.0	5.3	32	<0.1	5.3	3.7	228	1.48	2.1	4.1	0.5	20	<0.1	0.2	<0.1	36	0.22	0.048	4
JC427	Soil			0.6	5.4	4.8	30	<0.1	5.0	3.4	216	1.38	2.0	0.9	0.5	17	<0.1	0.1	<0.1	33	0.20	0.046	4
JC428	Soil			0.6	5.8	5.4	32	<0.1	5.0	3.6	274	1.42	2.0	1.4	0.5	21	<0.1	0.1	<0.1	34	0.24	0.049	4
JC429	Soil			0.6	6.6	5.8	35	<0.1	5.6	4.1	272	1.57	2.3	3.1	0.6	20	<0.1	0.2	<0.1	38	0.22	0.052	4
JC430	Soil			0.8	7.0	6.0	32	<0.1	4.9	3.6	406	1.26	1.6	0.8	0.5	24	<0.1	0.2	<0.1	32	0.29	0.029	6
JC431	Soil			0.7	9.4	5.3	46	<0.1	7.5	5.1	199	1.81	2.3	2.1	0.7	28	<0.1	0.2	<0.1	47	0.25	0.050	5
JC432	Soil			0.7	9.8	5.2	46	<0.1	7.5	5.2	196	1.78	2.2	1.0	0.7	26	<0.1	0.2	<0.1	45	0.20	0.051	4
JC433	Soil			0.7	9.4	5.1	45	<0.1	7.0	5.1	208	1.74	2.3	1.8	0.7	26	<0.1	0.2	<0.1	45	0.22	0.049	4
JC434	Soil			0.7	9.5	5.4	47	<0.1	7.6	5.3	227	1.82	2.4	0.8	0.7	27	<0.1	0.2	<0.1	47	0.24	0.050	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 4 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004446.1

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	
JC405	Soil	13	0.27	106	0.089	<1	1.19	0.020	0.06	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
JC406	Soil	18	0.29	102	0.114	1	1.81	0.016	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
JC407	Soil	9	0.25	97	0.036	1	1.04	0.010	0.05	<0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
JC408	Soil	18	0.62	139	0.083	2	1.50	0.022	0.13	<0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
JC409	Soil	17	0.57	132	0.089	2	1.41	0.021	0.12	<0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
JC410	Soil	13	0.25	114	0.072	<1	1.43	0.012	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
JC411	Soil	14	0.27	120	0.076	<1	1.47	0.012	0.05	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
JC412	Soil	13	0.25	111	0.073	<1	1.35	0.012	0.06	<0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
JC413	Soil	11	0.24	117	0.039	<1	1.25	0.011	0.08	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
JC414	Soil	14	0.32	123	0.060	<1	1.27	0.011	0.06	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
JC415	Soil	32	0.88	253	0.019	<1	4.13	0.020	0.15	<0.1	0.05	10.0	0.1	<0.05	12	<0.5	<0.2
JC416	Soil	16	0.38	110	0.042	<1	1.60	0.018	0.07	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
JC417	Soil	10	0.22	74	0.054	<1	0.80	0.015	0.05	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
JC418	Soil	11	0.23	76	0.042	<1	1.01	0.010	0.06	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
JC419	Soil	13	0.27	85	0.044	<1	1.17	0.011	0.06	<0.1	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
JC420	Soil	12	0.36	90	0.084	<1	0.94	0.013	0.06	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
JC421	Soil	11	0.23	107	0.052	<1	1.26	0.012	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
JC422	Soil	9	0.19	81	0.039	<1	0.97	0.010	0.05	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
JC423	Soil	13	0.29	130	0.056	<1	1.40	0.014	0.07	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
JC424	Soil	12	0.29	123	0.054	<1	1.15	0.012	0.08	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
JC425	Soil	8	0.18	75	0.033	<1	0.90	0.015	0.06	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
JC426	Soil	9	0.19	80	0.036	<1	0.97	0.011	0.06	<0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
JC427	Soil	8	0.18	74	0.031	<1	0.88	0.010	0.05	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
JC428	Soil	9	0.18	86	0.030	<1	0.90	0.010	0.07	<0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
JC429	Soil	9	0.21	91	0.037	<1	1.04	0.011	0.06	<0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
JC430	Soil	8	0.20	90	0.035	<1	0.82	0.012	0.06	<0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
JC431	Soil	13	0.26	123	0.056	<1	1.19	0.012	0.06	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
JC432	Soil	12	0.25	117	0.052	<1	1.14	0.011	0.05	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
JC433	Soil	12	0.25	123	0.050	<1	1.13	0.013	0.05	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
JC434	Soil	12	0.25	126	0.051	<1	1.18	0.011	0.06	<0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004446.1

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	ppm	ppm	ppm	ppm	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	
JC435	Soil			0.7	10.0	5.2	46	<0.1	7.6	5.3	202	1.87	2.4	4.1	0.8	29	<0.1	0.2	<0.1	49	0.23	0.044	5
BM11S-38	Rock Pulp			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC436	Soil			0.7	9.9	5.3	45	<0.1	7.5	5.2	226	1.83	2.2	1.5	0.7	28	<0.1	0.2	<0.1	48	0.23	0.051	5
JC437	Soil			0.7	10.7	5.0	44	<0.1	7.8	5.3	202	1.84	2.3	1.0	0.7	29	<0.1	0.2	<0.1	47	0.21	0.045	5
JC438	Soil			0.7	10.5	5.1	44	<0.1	7.5	5.2	206	1.82	2.4	0.8	0.7	27	<0.1	0.2	<0.1	47	0.20	0.050	5
JC439	Soil			0.8	8.3	6.1	56	<0.1	6.9	5.1	933	1.67	2.5	0.7	0.8	15	<0.1	0.2	<0.1	39	0.16	0.090	5
JC440	Soil			0.7	8.8	5.9	55	<0.1	7.0	4.9	692	1.73	2.5	1.2	0.9	16	<0.1	0.2	<0.1	41	0.16	0.082	5
JC441	Soil			0.7	7.7	5.9	54	<0.1	6.4	4.6	837	1.53	2.3	1.7	0.7	15	<0.1	0.2	<0.1	37	0.16	0.081	5
JC442	Soil			0.9	8.8	6.9	63	<0.1	7.4	5.3	961	1.82	2.2	0.7	0.9	22	<0.1	0.2	0.1	44	0.20	0.095	5
JC443	Soil			0.7	8.9	6.5	61	<0.1	7.7	5.2	951	1.70	1.5	6.8	0.9	21	<0.1	0.2	0.1	41	0.19	0.090	5
JC444	Soil			0.8	8.7	6.3	59	<0.1	7.1	5.1	797	1.67	1.2	0.6	0.9	21	0.1	0.2	0.1	42	0.20	0.089	5
JC445	Soil			0.6	11.7	5.7	83	<0.1	8.9	6.0	1137	1.88	1.3	0.8	1.0	29	0.1	0.2	<0.1	46	0.25	0.079	6
JC446	Soil			0.6	11.2	5.5	81	<0.1	8.4	6.5	934	1.96	1.1	4.2	1.1	28	0.1	0.2	<0.1	48	0.23	0.076	6
JC447	Soil			0.6	12.1	5.9	83	<0.1	9.5	7.0	996	2.08	0.8	1.7	1.1	29	<0.1	0.2	<0.1	49	0.24	0.084	7
JC448	Soil			0.7	11.5	5.5	78	<0.1	8.4	6.3	994	1.82	1.1	1.7	1.0	30	0.1	0.2	<0.1	48	0.24	0.080	6
JC449	Soil			0.5	10.1	5.2	65	<0.1	6.2	5.0	804	1.99	1.1	1.5	0.9	61	0.1	0.2	<0.1	55	0.30	0.024	7
JC450	Soil			0.4	10.7	5.5	65	<0.1	6.1	5.2	790	2.04	1.3	0.8	0.9	61	0.1	0.2	<0.1	54	0.33	0.022	6
JC451	Soil			0.5	9.9	5.4	56	<0.1	6.4	5.1	699	2.05	0.7	1.5	0.9	61	0.1	0.2	<0.1	56	0.31	0.023	7
JC452	Soil			0.7	14.2	6.4	95	0.1	9.6	6.6	1742	2.64	3.2	0.8	0.7	17	0.3	0.2	0.1	50	0.23	0.072	9
JC453	Soil			0.7	13.0	7.4	102	<0.1	9.2	6.7	2399	2.61	3.3	<0.5	0.7	16	0.4	0.2	0.1	48	0.22	0.075	10
JC454	Soil			0.6	12.9	7.8	99	<0.1	8.4	6.5	2277	2.66	2.9	1.3	0.6	15	0.4	0.2	0.1	47	0.22	0.073	10
JC455	Soil			0.6	13.1	7.7	99	0.1	8.8	6.5	2257	2.54	2.9	0.8	0.6	15	0.4	0.2	0.1	45	0.22	0.074	11
JC456	Soil			0.6	10.1	5.7	116	<0.1	7.7	5.5	693	2.00	1.2	0.7	0.8	28	0.3	0.2	<0.1	43	0.37	0.089	5
JC457	Soil			0.5	9.9	5.6	103	<0.1	8.3	5.3	518	1.97	0.9	3.3	0.8	27	0.3	0.2	<0.1	43	0.33	0.081	6
JC458	Soil			0.6	10.2	5.8	106	<0.1	7.3	5.6	736	1.85	1.1	<0.5	0.8	29	0.3	0.2	<0.1	42	0.41	0.080	5
JC459	Soil			0.6	14.1	5.9	70	<0.1	8.3	5.4	313	2.19	2.7	23.5	1.3	47	<0.1	0.3	<0.1	53	0.29	0.065	6
JC460	Soil			0.4	12.3	5.7	68	<0.1	7.7	5.6	450	2.13	2.4	3.6	1.0	42	<0.1	0.2	<0.1	50	0.29	0.082	5
JC461	Soil			0.4	13.5	5.6	62	<0.1	7.6	5.5	256	2.20	1.9	2.6	1.3	48	<0.1	0.2	<0.1	51	0.26	0.065	7
JC462	Soil			0.5	12.9	5.5	68	<0.1	8.4	5.1	288	2.06	2.1	1.2	1.2	45	<0.1	0.3	<0.1	52	0.27	0.067	6
JC463	Soil			0.5	12.0	5.4	66	<0.1	7.4	5.3	356	2.08	1.8	0.9	1.1	43	<0.1	0.2	<0.1	50	0.26	0.067	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 5 of 7 Part 2

# CERTIFICATE OF ANALYSIS

VAN11004446.1

Method	Analyte	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
JC435	Soil	13	0.26	123	0.055	<1	1.20	0.014	0.05	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
BM11S-38	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC436	Soil	13	0.26	126	0.054	<1	1.18	0.014	0.06	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
JC437	Soil	13	0.27	130	0.054	<1	1.18	0.012	0.05	<0.1	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
JC438	Soil	13	0.26	125	0.054	<1	1.19	0.012	0.05	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
JC439	Soil	10	0.21	134	0.034	<1	1.30	0.010	0.06	<0.1	0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
JC440	Soil	10	0.22	134	0.035	<1	1.34	0.012	0.05	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
JC441	Soil	9	0.19	128	0.031	<1	1.23	0.009	0.05	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
JC442	Soil	11	0.24	160	0.044	2	1.55	0.019	0.07	<0.1	0.02	1.8	<0.1	0.07	5	<0.5	<0.2
JC443	Soil	10	0.23	155	0.044	3	1.48	0.011	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
JC444	Soil	10	0.23	149	0.041	<1	1.54	0.011	0.06	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
JC445	Soil	11	0.30	113	0.097	<1	2.08	0.014	0.06	<0.1	0.02	2.8	<0.1	<0.05	7	0.8	<0.2
JC446	Soil	11	0.30	105	0.096	<1	2.10	0.015	0.06	<0.1	0.02	2.9	<0.1	<0.05	7	0.7	<0.2
JC447	Soil	12	0.32	113	0.100	2	2.25	0.014	0.07	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
JC448	Soil	11	0.31	108	0.097	<1	2.13	0.014	0.07	<0.1	0.02	3.0	<0.1	<0.05	7	1.1	<0.2
JC449	Soil	11	0.25	169	0.118	<1	1.32	0.015	0.11	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
JC450	Soil	11	0.25	165	0.117	1	1.28	0.014	0.11	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
JC451	Soil	11	0.24	162	0.108	<1	1.24	0.013	0.10	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
JC452	Soil	13	0.26	181	0.046	<1	2.03	0.011	0.06	<0.1	0.04	2.6	<0.1	<0.05	7	1.1	<0.2
JC453	Soil	12	0.24	210	0.043	1	1.99	0.011	0.07	<0.1	0.02	2.4	<0.1	<0.05	7	0.5	<0.2
JC454	Soil	12	0.23	203	0.040	<1	1.99	0.010	0.07	<0.1	0.03	2.5	<0.1	<0.05	7	0.8	<0.2
JC455	Soil	11	0.23	205	0.038	<1	1.90	0.010	0.07	<0.1	0.04	2.5	<0.1	<0.05	7	<0.5	<0.2
JC456	Soil	11	0.29	248	0.058	<1	1.56	0.015	0.11	<0.1	<0.01	2.0	<0.1	<0.05	7	<0.5	<0.2
JC457	Soil	11	0.31	247	0.060	<1	1.68	0.015	0.09	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
JC458	Soil	11	0.28	258	0.060	<1	1.53	0.016	0.10	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
JC459	Soil	13	0.30	112	0.084	<1	1.99	0.018	0.08	<0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
JC460	Soil	12	0.27	112	0.072	<1	1.69	0.012	0.08	0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
JC461	Soil	13	0.31	114	0.075	<1	2.10	0.015	0.07	0.1	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
JC462	Soil	13	0.29	111	0.080	<1	2.06	0.018	0.07	0.1	0.01	2.7	<0.1	<0.05	6	0.7	<0.2
JC463	Soil	12	0.28	107	0.079	2	1.82	0.012	0.07	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2





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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

VAN11004446.1

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 ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La 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	
JC464	Soil	0.6	14.4	5.8	65	<0.1	8.5	5.4	308	2.17	2.0	<0.5	1.2	46	<0.1	0.2	<0.1	50	0.26	0.074	6
JC465	Soil	0.6	11.6	6.0	65	<0.1	7.7	5.4	414	2.06	1.5	1.6	1.0	45	0.1	0.2	<0.1	47	0.27	0.080	5
JC466	Soil	0.7	22.5	6.5	129	<0.1	8.9	7.8	1489	2.38	5.7	1.9	1.0	88	0.3	0.3	<0.1	58	1.39	0.205	12
JC467	Soil	0.6	21.2	6.5	110	<0.1	8.8	7.2	1322	2.28	5.7	1.1	1.1	74	0.2	0.3	<0.1	60	1.12	0.198	11
JC468	Soil	0.7	23.6	6.7	119	0.1	9.1	8.0	1475	2.38	6.2	24.5	1.0	86	0.2	0.3	<0.1	61	1.32	0.201	11
JC469	Soil	0.7	21.7	6.3	109	<0.1	8.2	7.3	1348	2.27	5.5	1.5	1.1	78	0.2	0.4	0.1	60	1.12	0.171	12
JC470	Soil	0.7	22.3	6.6	114	0.1	8.7	7.8	1355	2.27	5.9	1.1	1.0	77	0.3	0.3	<0.1	60	1.18	0.182	12
JC471	Soil	0.7	22.5	6.7	114	0.1	7.6	7.2	1549	2.17	6.5	2.2	1.1	79	0.3	0.3	<0.1	57	1.32	0.193	11
JC472	Soil	0.8	22.6	6.7	108	<0.1	8.8	7.9	1552	2.31	5.8	2.1	1.1	83	0.2	0.3	<0.1	62	1.32	0.191	12
JC473	Soil	0.5	12.2	6.0	65	<0.1	9.2	6.0	333	2.16	2.3	1.7	1.0	25	<0.1	0.2	<0.1	58	0.24	0.085	6
JC474	Soil	0.6	13.7	5.9	71	<0.1	9.2	6.4	384	2.10	2.3	<0.5	1.0	28	<0.1	0.2	<0.1	55	0.24	0.093	6
JC475	Soil	0.5	12.4	5.9	63	<0.1	8.3	6.0	342	2.09	2.4	1.3	0.9	26	0.1	0.3	<0.1	56	0.23	0.084	6
JC476	Soil	0.6	12.1	5.4	66	<0.1	8.0	5.8	350	2.13	1.9	1.1	0.9	25	0.2	0.2	<0.1	53	0.22	0.088	6
JC477	Soil	0.5	12.6	5.7	65	<0.1	8.8	6.2	373	2.10	2.7	0.7	0.9	27	<0.1	0.2	<0.1	49	0.22	0.089	6
JC478	Soil	0.6	10.1	7.5	65	<0.1	8.2	6.1	755	1.92	2.4	1.0	0.9	17	0.1	0.2	0.1	46	0.24	0.127	5
JC479	Soil	0.5	14.5	6.3	50	<0.1	9.1	5.8	601	2.02	2.2	1.6	0.9	37	0.1	0.3	0.1	57	0.42	0.033	13
JC480	Soil	0.8	13.8	5.9	50	<0.1	10.8	6.8	295	2.18	2.3	0.9	1.0	17	<0.1	0.2	<0.1	54	0.19	0.039	6
BM11S-42	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC481	Soil	0.9	15.9	6.6	53	<0.1	11.7	7.3	340	2.31	2.6	1.4	0.9	19	<0.1	0.2	0.1	57	0.23	0.044	7
JC482	Soil	0.9	14.8	6.8	51	<0.1	10.6	7.0	351	2.20	2.7	<0.5	1.0	18	<0.1	0.2	0.1	53	0.22	0.044	7
JC483	Soil	0.9	15.3	7.7	55	<0.1	11.4	7.2	386	2.24	2.9	0.8	1.0	19	<0.1	0.2	0.1	54	0.21	0.047	7
JC484	Soil	0.9	15.6	7.1	55	<0.1	11.6	7.7	415	2.35	2.9	0.9	1.0	21	<0.1	0.2	0.1	61	0.24	0.046	7
JC485	Soil	0.5	31.4	7.6	54	0.2	15.5	7.8	597	2.58	2.2	2.0	1.7	48	0.2	0.2	0.1	57	0.87	0.029	27
JC486	Soil	0.5	31.6	7.7	52	0.2	16.2	7.9	676	2.57	2.3	1.7	1.5	47	0.2	0.2	0.1	56	0.92	0.032	30
JC487	Soil	0.5	29.7	7.3	50	0.2	14.3	7.6	668	2.51	2.1	1.2	1.4	44	0.2	0.2	0.1	56	0.85	0.028	28
JC488	Soil	0.5	32.8	8.0	55	0.2	15.8	8.4	763	2.58	2.4	1.5	1.5	51	0.3	0.2	0.1	57	1.00	0.036	32
JC489	Soil	0.5	13.3	7.2	89	<0.1	11.2	6.5	588	2.02	2.5	0.7	1.2	24	0.1	0.1	0.1	46	0.22	0.108	6
JC490	Soil	0.5	13.4	7.3	86	<0.1	11.2	6.1	508	1.99	2.5	<0.5	1.2	24	0.1	0.1	0.1	45	0.22	0.108	6
JC491	Soil	0.5	11.3	7.2	92	<0.1	10.4	5.8	591	1.76	2.3	<0.5	1.1	21	0.1	0.1	0.1	40	0.20	0.115	5
JC492	Soil	0.5	12.2	7.6	89	<0.1	10.2	5.8	601	1.90	2.4	1.1	1.1	23	0.1	0.2	0.1	42	0.22	0.111	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 6 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004446.1

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
JC464	Soil	13	0.29	117	0.074	<1	2.08	0.012	0.08	<0.1	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
JC465	Soil	12	0.28	112	0.067	<1	1.89	0.013	0.08	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
JC466	Soil	16	0.38	266	0.078	12	1.47	0.058	0.36	0.1	0.02	3.5	<0.1	0.06	5	<0.5	<0.2
JC467	Soil	15	0.37	224	0.100	8	1.43	0.053	0.30	<0.1	<0.01	3.5	<0.1	0.08	5	<0.5	<0.2
JC468	Soil	15	0.38	254	0.074	9	1.46	0.064	0.34	<0.1	0.01	3.4	<0.1	0.07	5	<0.5	<0.2
JC469	Soil	13	0.38	234	0.076	10	1.38	0.049	0.30	<0.1	0.01	3.4	<0.1	0.07	5	<0.5	<0.2
JC470	Soil	14	0.38	252	0.066	9	1.45	0.051	0.31	<0.1	<0.01	3.4	<0.1	0.07	5	<0.5	<0.2
JC471	Soil	14	0.37	248	0.064	8	1.36	0.055	0.32	<0.1	<0.01	3.4	<0.1	0.06	4	0.6	<0.2
JC472	Soil	15	0.39	248	0.071	10	1.44	0.054	0.32	<0.1	<0.01	3.5	<0.1	0.09	5	0.6	<0.2
JC473	Soil	14	0.28	122	0.078	1	1.43	0.016	0.06	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JC474	Soil	14	0.27	126	0.076	<1	1.34	0.013	0.07	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
JC475	Soil	13	0.26	128	0.070	<1	1.34	0.012	0.07	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
JC476	Soil	13	0.25	118	0.068	2	1.29	0.013	0.06	<0.1	<0.01	2.3	<0.1	<0.05	5	0.5	<0.2
JC477	Soil	13	0.26	129	0.065	<1	1.30	0.010	0.06	<0.1	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
JC478	Soil	13	0.30	122	0.063	2	1.80	0.012	0.07	<0.1	0.02	2.4	<0.1	0.13	7	<0.5	<0.2
JC479	Soil	16	0.35	94	0.093	3	1.25	0.023	0.05	<0.1	0.03	3.0	<0.1	0.16	4	<0.5	<0.2
JC480	Soil	16	0.33	93	0.056	2	1.70	0.011	0.07	<0.1	0.02	2.3	<0.1	0.11	6	<0.5	<0.2
BM11S-42	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
JC481	Soil	17	0.36	101	0.068	1	1.88	0.014	0.08	<0.1	0.02	2.5	<0.1	0.13	7	<0.5	<0.2
JC482	Soil	16	0.35	103	0.059	1	1.82	0.012	0.08	<0.1	0.01	2.3	<0.1	0.13	6	<0.5	<0.2
JC483	Soil	16	0.34	105	0.058	1	1.76	0.013	0.08	<0.1	0.01	2.4	<0.1	0.09	7	<0.5	<0.2
JC484	Soil	16	0.37	107	0.074	2	1.97	0.014	0.08	<0.1	0.02	2.6	0.1	0.13	7	<0.5	<0.2
JC485	Soil	22	0.49	112	0.078	2	2.36	0.028	0.08	<0.1	0.03	6.4	<0.1	0.17	7	<0.5	<0.2
JC486	Soil	22	0.49	118	0.073	2	2.31	0.025	0.08	<0.1	0.03	6.5	<0.1	0.17	7	<0.5	<0.2
JC487	Soil	21	0.45	115	0.069	1	2.09	0.025	0.07	<0.1	0.03	5.8	<0.1	0.17	7	<0.5	<0.2
JC488	Soil	22	0.48	125	0.073	2	2.38	0.026	0.08	<0.1	0.03	6.5	<0.1	0.18	7	<0.5	<0.2
JC489	Soil	14	0.30	115	0.080	<1	2.09	0.016	0.06	<0.1	0.02	2.7	<0.1	0.08	7	<0.5	<0.2
JC490	Soil	14	0.31	117	0.074	1	2.00	0.014	0.06	<0.1	0.01	2.6	<0.1	0.08	7	<0.5	<0.2
JC491	Soil	12	0.27	108	0.074	1	1.88	0.014	0.06	<0.1	0.02	2.4	<0.1	0.08	7	<0.5	<0.2
JC492	Soil	13	0.29	112	0.071	<1	1.82	0.014	0.06	<0.1	0.02	2.4	<0.1	0.07	7	<0.5	<0.2



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 7 of 7 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN11004446.1**

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	0.1	2	0.01	0.001	1
JC493	Soil	0.6	12.0	9.0	73	<0.1	9.4	5.9	916	1.75	2.7	<0.5	0.7	28	0.1	0.2	<0.1	42	0.31	0.122	5
JC494	Soil	0.7	12.7	9.8	79	<0.1	9.8	6.3	1135	1.84	2.8	0.6	0.7	30	0.2	0.2	0.1	45	0.35	0.127	5
JC495	Soil	0.7	12.7	10.1	78	0.1	9.4	6.3	1195	1.81	2.7	1.0	0.7	31	0.2	0.2	0.1	42	0.38	0.135	5



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

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 30, 2011

**Page:** 7 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004446.1

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
JC493	Soil	13	0.26	107	0.063	<1	1.44	0.013	0.06	<0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
JC494	Soil	14	0.26	116	0.069	1	1.51	0.014	0.07	<0.1	0.03	2.0	<0.1	0.08	6	<0.5	<0.2
JC495	Soil	13	0.26	121	0.067	1	1.50	0.013	0.07	<0.1	0.03	2.1	<0.1	0.07	6	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere

Report Date: September 30, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004446.1

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																					
JC353	Soil	0.5	23.9	5.9	54	0.1	6.9	9.4	653	2.75	2.1	<0.5	1.3	130	<0.1	<0.1	0.1	80	0.46	0.058	10
REP JC353	QC	0.4	24.1	6.0	52	0.1	7.4	9.3	640	2.73	2.1	1.2	1.3	130	0.2	<0.1	0.1	78	0.46	0.063	10
JC369	Soil	0.7	15.0	7.9	74	<0.1	10.6	6.4	1358	2.10	2.7	<0.5	0.7	20	0.2	0.1	0.1	44	0.19	0.115	5
REP JC369	QC	0.6	15.1	7.8	74	<0.1	10.1	6.1	1333	2.05	2.7	1.2	0.7	19	0.1	0.1	0.1	42	0.20	0.115	5
JC388	Soil	0.5	8.4	5.9	63	<0.1	14.8	6.5	496	1.87	1.5	<0.5	0.7	33	<0.1	0.2	<0.1	54	0.21	0.043	4
REP JC388	QC	0.5	8.1	5.7	57	<0.1	14.1	6.1	477	1.83	1.4	2.4	0.7	30	<0.1	0.1	<0.1	48	0.21	0.041	4
JC395	Soil	0.3	11.5	4.9	53	<0.1	11.7	6.7	694	1.87	1.3	<0.5	1.0	57	0.1	0.1	<0.1	52	0.40	0.035	17
REP JC395	QC	0.3	11.1	4.7	52	<0.1	11.6	6.7	686	1.86	1.1	<0.5	0.9	55	0.1	0.1	<0.1	51	0.40	0.034	16
JC417	Soil	0.4	6.9	4.4	39	<0.1	5.6	3.6	266	1.27	0.8	7.0	0.5	24	<0.1	0.2	<0.1	34	0.31	0.018	8
REP JC417	QC	0.4	6.6	4.4	37	<0.1	5.5	3.6	265	1.25	0.8	1.1	0.4	24	<0.1	0.1	<0.1	33	0.30	0.018	8
JC438	Soil	0.7	10.5	5.1	44	<0.1	7.5	5.2	206	1.82	2.4	0.8	0.7	27	<0.1	0.2	<0.1	47	0.20	0.050	5
REP JC438	QC	0.7	10.6	5.1	45	<0.1	7.6	5.3	211	1.87	2.3	1.6	0.7	28	<0.1	0.2	<0.1	49	0.22	0.049	5
JC452	Soil	0.7	14.2	6.4	95	0.1	9.6	6.6	1742	2.64	3.2	0.8	0.7	17	0.3	0.2	0.1	50	0.23	0.072	9
REP JC452	QC	0.8	14.9	6.9	103	0.1	9.3	6.8	1834	2.72	3.6	0.6	0.8	18	0.3	0.2	0.1	52	0.23	0.071	9
JC470	Soil	0.7	22.3	6.6	114	0.1	8.7	7.8	1355	2.27	5.9	1.1	1.0	77	0.3	0.3	<0.1	60	1.18	0.182	12
REP JC470	QC	0.8	21.7	6.3	106	<0.1	8.5	7.2	1338	2.22	6.0	0.7	1.1	71	0.3	0.3	<0.1	59	1.13	0.170	11
JC479	Soil	0.5	14.5	6.3	50	<0.1	9.1	5.8	601	2.02	2.2	1.6	0.9	37	0.1	0.3	0.1	57	0.42	0.033	13
REP JC479	QC	0.5	14.5	6.2	50	<0.1	8.7	5.7	583	1.97	2.1	1.5	0.9	37	0.1	0.2	<0.1	57	0.42	0.032	13
Reference Materials																					
STD DS8	Standard	14.1	109.8	125.8	327	1.9	39.6	7.8	645	2.54	24.9	122.9	6.3	67	2.3	5.8	6.2	46	0.74	0.084	15
STD DS8	Standard	13.4	117.5	127.6	318	1.7	40.9	8.1	614	2.59	24.8	106.3	6.5	68	2.1	5.7	6.8	45	0.70	0.083	14
STD DS8	Standard	11.9	105.6	120.8	300	1.8	38.8	7.3	572	2.31	23.0	104.1	5.2	57	2.2	5.0	6.1	41	0.63	0.079	11
STD DS8	Standard	12.8	112.2	121.7	300	1.7	36.2	7.3	596	2.42	24.8	106.4	7.3	63	2.4	5.6	7.0	42	0.69	0.081	16
STD DS8	Standard	11.2	100.9	122.3	300	1.8	33.9	6.8	589	2.30	24.1	108.1	5.9	63	2.3	5.0	6.3	37	0.63	0.080	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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	0.02	<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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN11004446.1

Method	Analyte	Unit	MDL	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 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
Pulp Duplicates																			
JC353	Soil			10	0.54	76	0.178	1	2.97	0.027	0.05	<0.1	0.03	4.6	<0.1	<0.05	9	<0.5	<0.2
REP JC353	QC			10	0.56	78	0.172	2	2.92	0.026	0.05	<0.1	0.02	4.5	<0.1	<0.05	10	<0.5	<0.2
JC369	Soil			11	0.34	104	0.066	2	2.59	0.013	0.06	<0.1	0.05	2.4	<0.1	<0.05	8	<0.5	<0.2
REP JC369	QC			10	0.33	96	0.063	<1	2.53	0.012	0.06	<0.1	0.07	2.3	<0.1	<0.05	8	0.8	<0.2
JC388	Soil			22	0.29	108	0.089	<1	1.46	0.014	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
REP JC388	QC			20	0.28	105	0.084	<1	1.36	0.013	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
JC395	Soil			15	0.35	90	0.114	<1	1.44	0.025	0.08	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
REP JC395	QC			14	0.33	87	0.110	<1	1.36	0.023	0.07	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
JC417	Soil			10	0.22	74	0.054	<1	0.80	0.015	0.05	<0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
REP JC417	QC			10	0.21	77	0.053	<1	0.80	0.014	0.05	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
JC438	Soil			13	0.26	125	0.054	<1	1.19	0.012	0.05	<0.1	<0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
REP JC438	QC			13	0.26	128	0.054	<1	1.20	0.012	0.06	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
JC452	Soil			13	0.26	181	0.046	<1	2.03	0.011	0.06	<0.1	0.04	2.6	<0.1	<0.05	7	1.1	<0.2
REP JC452	QC			14	0.27	189	0.046	<1	2.18	0.014	0.07	<0.1	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2
JC470	Soil			14	0.38	252	0.066	9	1.45	0.051	0.31	<0.1	<0.01	3.4	<0.1	0.07	5	<0.5	<0.2
REP JC470	QC			15	0.37	236	0.069	8	1.36	0.050	0.31	<0.1	0.02	3.2	<0.1	0.05	5	<0.5	<0.2
JC479	Soil			16	0.35	94	0.093	3	1.25	0.023	0.05	<0.1	0.03	3.0	<0.1	0.16	4	<0.5	<0.2
REP JC479	QC			16	0.35	92	0.095	3	1.25	0.023	0.05	<0.1	0.02	3.0	<0.1	0.10	4	<0.5	<0.2
Reference Materials																			
STD DS8	Standard			126	0.63	282	0.126	4	0.92	0.095	0.45	3.2	0.21	2.1	5.5	0.23	5	5.5	5.2
STD DS8	Standard			117	0.63	288	0.114	2	0.99	0.096	0.45	3.1	0.19	2.4	5.5	0.22	5	5.8	5.2
STD DS8	Standard			111	0.58	234	0.097	3	0.87	0.106	0.42	2.7	0.19	2.0	5.2	0.15	5	5.0	4.8
STD DS8	Standard			115	0.60	282	0.114	3	0.86	0.080	0.41	2.9	0.20	2.2	5.3	0.27	5	5.1	5.0
STD DS8	Standard			108	0.58	261	0.094	3	0.87	0.092	0.41	2.7	0.18	2.2	5.2	0.16	4	5.3	4.8
STD DS8 Expected				115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 30, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN11004446.1

		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	0.01	<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



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

Client: **Mammoth Geological Ltd.**

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Project: Brookmere

Report Date: September 30, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

VAN11004446.1

		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





1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Mammoth Geological Ltd.

2446 Bidston Road  
Mill Bay BC V0R 2P4 Canada

Submitted By: Tim Henneberry

Receiving Lab: Canada-Vancouver

Received: August 22, 2011

Report Date: September 12, 2011

Page: 1 of 2

# CERTIFICATE OF ANALYSIS

# VAN11004502.1

## CLIENT JOB INFORMATION

Project: Brookmere  
Shipment ID: 4  
P.O. Number  
Number of Samples: 14

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	14	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	14	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
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: Steve Butrenchuk



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



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 12, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN11004502.1

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	
BM11-R50	Rock	0.47	0.5	27.9	5.7	54	<0.1	6.9	14.5	636	3.54	17.5	0.8	1.2	126	<0.1	0.2	<0.1	112	1.35	0.069
BM11-R51	Rock	1.20	0.3	2.3	5.1	18	<0.1	0.8	1.5	371	0.71	2.5	<0.5	1.2	9	<0.1	0.2	<0.1	2	0.05	0.020
BM11-R52	Rock	0.34	4.5	3.0	4.3	7	3.5	1.4	1.3	204	0.60	21.6	267.0	1.1	11	<0.1	1.2	<0.1	5	0.03	0.008
BM11-R53	Rock	1.96	0.4	8.2	7.9	73	<0.1	2.9	5.6	656	2.55	2.3	1.9	0.9	672	0.2	<0.1	<0.1	52	2.78	0.101
BM11-R54	Rock	0.98	0.2	5.1	3.6	29	<0.1	0.7	1.1	217	0.67	0.6	1.9	2.0	4	<0.1	<0.1	<0.1	8	0.05	0.010
BM11-R55	Rock	0.94	0.2	6.0	11.8	31	<0.1	3.0	2.1	548	3.08	2.0	0.6	1.2	30	<0.1	<0.1	0.1	8	0.88	0.084
BM11-R56	Rock	1.09	0.8	9.3	5.4	81	<0.1	3.6	9.6	791	4.48	3.4	<0.5	2.1	16	0.1	0.4	<0.1	84	0.59	0.145
BM11-R57	Rock	0.86	1.5	16.3	2.3	23	<0.1	3.5	8.6	367	3.61	57.4	1.6	1.3	39	<0.1	0.3	0.1	58	0.41	0.075
BM11-R58	Rock	0.84	0.3	6.9	7.2	64	0.2	3.4	8.2	745	2.57	4.3	1.6	0.9	24	<0.1	0.2	<0.1	32	1.13	0.075
BM11-R59	Rock	1.01	0.1	5.6	6.4	87	<0.1	1.9	5.1	1451	2.82	1.3	0.6	0.7	182	0.2	<0.1	<0.1	36	1.19	0.066
BM11-R60	Rock	1.08	0.4	24.4	3.4	65	<0.1	11.2	13.9	766	3.59	3.8	<0.5	1.5	23	<0.1	0.2	<0.1	99	0.53	0.114
BM11-R61-1	Rock	1.57	0.2	54.1	11.1	13	0.1	21.9	15.0	280	1.50	2.2	<0.5	0.1	177	<0.1	<0.1	<0.1	40	2.08	0.033
BM11-R61-2	Rock	1.24	1.0	16.2	6.2	73	<0.1	3.5	10.9	878	3.03	15.6	<0.5	1.3	175	0.2	0.6	<0.1	108	0.89	0.104
BM11-R62	Rock	0.70	0.2	1.4	6.1	14	<0.1	0.8	0.6	118	0.57	3.1	1.3	1.2	18	<0.1	0.5	<0.1	3	0.08	0.012



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

www.acmelab.com

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

Project: Brookmere  
 Report Date: September 12, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN11004502.1

Method	Analyte	1DX15	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	
BM11-R50	Rock	10	8	0.96	63	0.252	1	2.08	0.043	0.17	0.2	<0.01	7.7	<0.1	<0.05	8	<0.5	<0.2
BM11-R51	Rock	11	2	0.02	54	<0.001	1	0.34	0.037	0.23	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
BM11-R52	Rock	9	4	0.03	57	0.002	<1	0.21	0.006	0.16	<0.1	0.05	0.5	0.2	<0.05	<1	<0.5	<0.2
BM11-R53	Rock	19	4	0.62	725	0.091	<1	4.82	0.134	0.15	<0.1	0.01	5.5	<0.1	<0.05	9	<0.5	<0.2
BM11-R54	Rock	3	2	0.10	40	0.027	<1	0.30	0.046	0.16	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5	<0.2
BM11-R55	Rock	11	2	0.27	31	<0.001	<1	2.10	0.011	0.10	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
BM11-R56	Rock	18	8	0.57	52	0.074	2	1.05	0.095	0.13	0.2	<0.01	8.1	<0.1	<0.05	10	<0.5	<0.2
BM11-R57	Rock	4	10	1.39	172	0.139	<1	1.72	0.030	0.11	<0.1	<0.01	4.7	<0.1	0.11	7	1.3	0.4
BM11-R58	Rock	11	7	0.75	52	0.164	<1	1.35	0.035	0.16	0.2	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
BM11-R59	Rock	16	4	0.69	60	0.251	<1	2.77	0.086	0.11	0.1	<0.01	4.2	<0.1	<0.05	10	<0.5	<0.2
BM11-R60	Rock	18	14	1.22	41	0.157	2	1.21	0.074	0.12	<0.1	<0.01	6.6	<0.1	<0.05	7	<0.5	<0.2
BM11-R61-1	Rock	<1	26	1.10	26	0.075	6	4.89	1.344	0.09	<0.1	<0.01	5.1	<0.1	0.08	4	<0.5	<0.2
BM11-R61-2	Rock	12	3	0.59	183	0.393	2	1.27	0.062	0.31	0.1	<0.01	7.1	0.1	<0.05	6	<0.5	<0.2
BM11-R62	Rock	8	4	0.05	54	0.012	<1	0.24	0.083	0.08	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

Project: Brookmere

Report Date: September 12, 2011

Page: 1 of 1 Part 1

# QUALITY CONTROL REPORT

VAN11004502.1

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																					
BM11-R61-1	Rock	1.57	0.2	54.1	11.1	13	0.1	21.9	15.0	280	1.50	2.2	<0.5	0.1	177	<0.1	<0.1	<0.1	40	2.08	0.033
REP BM11-R61-1	QC		0.3	55.8	11.2	13	0.1	22.0	16.0	296	1.60	2.3	<0.5	0.1	180	0.1	<0.1	<0.1	43	2.18	0.034
Core Reject Duplicates																					
BM11-R56	Rock	1.09	0.8	9.3	5.4	81	<0.1	3.6	9.6	791	4.48	3.4	<0.5	2.1	16	0.1	0.4	<0.1	84	0.59	0.145
DUP BM11-R56	QC		0.9	9.3	5.1	81	<0.1	3.8	9.7	782	4.41	3.5	<0.5	2.1	16	<0.1	0.4	<0.1	84	0.60	0.147
Reference Materials																					
STD DS8	Standard		13.0	112.5	131.2	309	1.9	39.2	8.2	619	2.51	24.8	125.2	6.1	69	2.4	5.6	6.7	42	0.72	0.081
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
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	<0.01	<0.1	2.2	2.5	42	<0.1	2.1	3.7	506	1.78	<0.5	<0.5	4.5	65	<0.1	<0.1	<0.1	34	0.45	0.072
G1	Prep Blank	<0.01	<0.1	2.6	2.7	45	<0.1	2.0	3.8	539	1.90	<0.5	<0.5	4.6	67	<0.1	<0.1	<0.1	36	0.47	0.072



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
 Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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

**Project:** Brookmere  
**Report Date:** September 12, 2011

**Page:** 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN11004502.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
BM11-R61-1	Rock	<1	26	1.10	26	0.075	6	4.89	1.344	0.09	<0.1	<0.01	5.1	<0.1	0.08	4	<0.5	<0.2
REP BM11-R61-1	QC	<1	28	1.18	29	0.084	7	5.13	1.380	0.10	0.1	<0.01	5.4	<0.1	0.08	4	<0.5	<0.2
Core Reject Duplicates																		
BM11-R56	Rock	18	8	0.57	52	0.074	2	1.05	0.095	0.13	0.2	<0.01	8.1	<0.1	<0.05	10	<0.5	<0.2
DUP BM11-R56	QC	19	7	0.56	50	0.069	2	1.02	0.085	0.12	0.2	<0.01	8.1	<0.1	<0.05	9	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	117	0.63	271	0.120	3	0.93	0.086	0.42	3.1	0.22	1.7	5.6	0.16	5	5.4	5.3
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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	11	4	0.48	123	0.110	<1	0.82	0.054	0.43	<0.1	0.01	1.5	0.3	<0.05	4	<0.5	<0.2
G1	Prep Blank	11	5	0.49	132	0.112	<1	0.87	0.065	0.45	<0.1	<0.01	1.6	0.3	<0.05	4	<0.5	<0.2