ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Geological and Geochemical Report

TOTAL COST: $13,136.70

AUTHOR(S): R. Tim Henneberry, P.Geo.
SIGNATURE(S): :signed”

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):

YEAR OF WORK: 2014

PROPERTY NAME: BM

CLAIM NAME(S) (on which work was done):

BM 11 740643

COMMODITIES SOUGHT: epithermal precious metals

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Nicola
NTS / BCGS: 092H; 092H076, 092H086
LATITUDE: _____° _____’ _____"
LONGITUDE: _____° _____’ _____" (at centre of work)
UTM Zone: NAD83 10 EASTING: 651000 NORTHING: 5520500

OWNER(S): Vatic Ventures Corp.

MAILING ADDRESS: 318 – 1008 Homer Street, Vancouver, British Columbia V6B 2X1

OPERATOR(S) [who paid for the work]: Quadro Resources Ltd.

MAILING ADDRESS: 1108 – 1030 West Georgia Street, Vancouver, British Columbia V6E 2Y3

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
The BM property is underlain by Cretaceous Spences Bridge Group volcanics and volcaniclastics. The initial 3 lines of an eventual 19 line 1500 metre by 1800 metre soil grid were completed in the area of a 2011 road gold-in-soil anomaly. Anomalous values were located on all three lines. The 2011 anomaly was also confirmed.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
34541, 32806, 30474, 29559, 28926

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil	182	BM 11 740643	
Silt			
Rock			
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	**$13,136.70**

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2014 GEOLOGICAL AND GEOCHEMICAL REPORT

BM PROPERTY

Located in the
Merritt Area, British Columbia

Nicola Mining Division
TRIM Sheets 092H076, 092H086
UTM (NAD 83) ZONE 10 651000 5520500

FOR

Quadro Resources Ltd.
1108 – 1030 West Georgia Street
Vancouver, British Columbia
V6E 2Y3

R. Tim Henneberry, P.Geo.
November 21, 2014

SUMMARY

Quadro Resources Ltd. is earning a 51% interest, subject to a pre-existing 1.5% net smelter return (NSR) royalty in the BM property, an epithermal precious metal project. The property is currently 100% owned by Vatic Ventures Corp., subject to the 1.5% NSR held by the original property vendor. The road accessible BM property lies 33 kilometres southwest of Merritt, British Columbia and consists of 6 claims totaling 3127 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, a target for epithermal precious metal mineralization, stretches from the north of Princeton to the west of Cache Creek with additional outliers continuing further north to Gang Ranch.

Vatic Ventures Corp. completed a two Phase exploration program on the BM property during 2011 testing two key areas on the property identified from prior exploration: Target Area 1 and Target Area 2. Phase I consisted of road soil sampling, stream sediment sampling, rock sampling and prospecting through those two areas. The road soil program was successful in locating continuous to semi-continuous areas of anomalous gold-in-soil values from roads cutting through the two target areas. A 2600 metre by 2700 metre soil grid was completed over the Target Area 1 as Phase II later in 2011. The 50 metre by 100 metre soil sampling 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 and a second, sub-parallel, 1600 metre linear gold-in-soil anomaly 1100 metres to the northwest.

Although the Target I anomalies and Target 2 remain high priority targets, Quadro Resources Ltd. has been forced to downscale exploration plans. They completed a small mapping program in October 2013 to meet assessment requirements, which subsequently came due again in October 2014. Quadro decided to start the Target 2 grid in 2014 and completed the northernmost three lines of a Target 2 grid to meet the 2014 assessment requirements. The 1500 metre long east-west lines were 100 metres apart and sampled at 25 metre intervals resulting in the collection of 182 soil samples. Additionally, outcrops encountered during the sampling were logged and described. The mapping continues to indicate the property is underlain by a series of northwest trending alternating flows and volcaniclastics that become more felsic to the northeast.

The 2014 sampling was successful in locating anomalous gold values on each of the three lines. This sampling also confirmed the 2011 road soil anomaly in the area of the middle line, suggesting more east west strike to the anomaly.

The BM property continues to warrant further exploration for epithermal precious metals deposits. Prospecting and mapping should be directed at the northeast trending sub-parallel linear anomalies on the 2011 soil grid. The remainder of the 500 metre wide by 1800 metre long Target 2 soil grid should be completed at 100 metre spaced lines sampled at 25 metre intervals along the lines. Another 1000 samples remain to be collected at an estimated cost of $120,000.

The cost of the 2014 program was $13,136.70.

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INTRODUCTION

The purpose of this Technical Report is to compile the exploration data from the 2014 exploration program for assessment credits and make recommendations for further work. This report was commissioned by Mr. Barry Coughlan, CEO of Quadro Resources Ltd.

The 2014 program consisted of a 3.5 day grid soil sampling program completed in late-October. The program was undertaken by the author, assisted by prospector John Taylor at a cost of $12,866.70.

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.

R. Tim Henneberry, P.Geo. 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 conducted the program on site between October 19 and October 21, 2014.

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 and was last checked on November 21, 2014.

PROPERTY DESCRIPTION AND LOCATION

The BM property consists of 6 claims totaling 3127 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 Mining Division. The centre of the property is situated at 5520500 North 651000 East in Universal Transverse Mercator Zone 10 in the datum of NAD 83 (Figure 1).

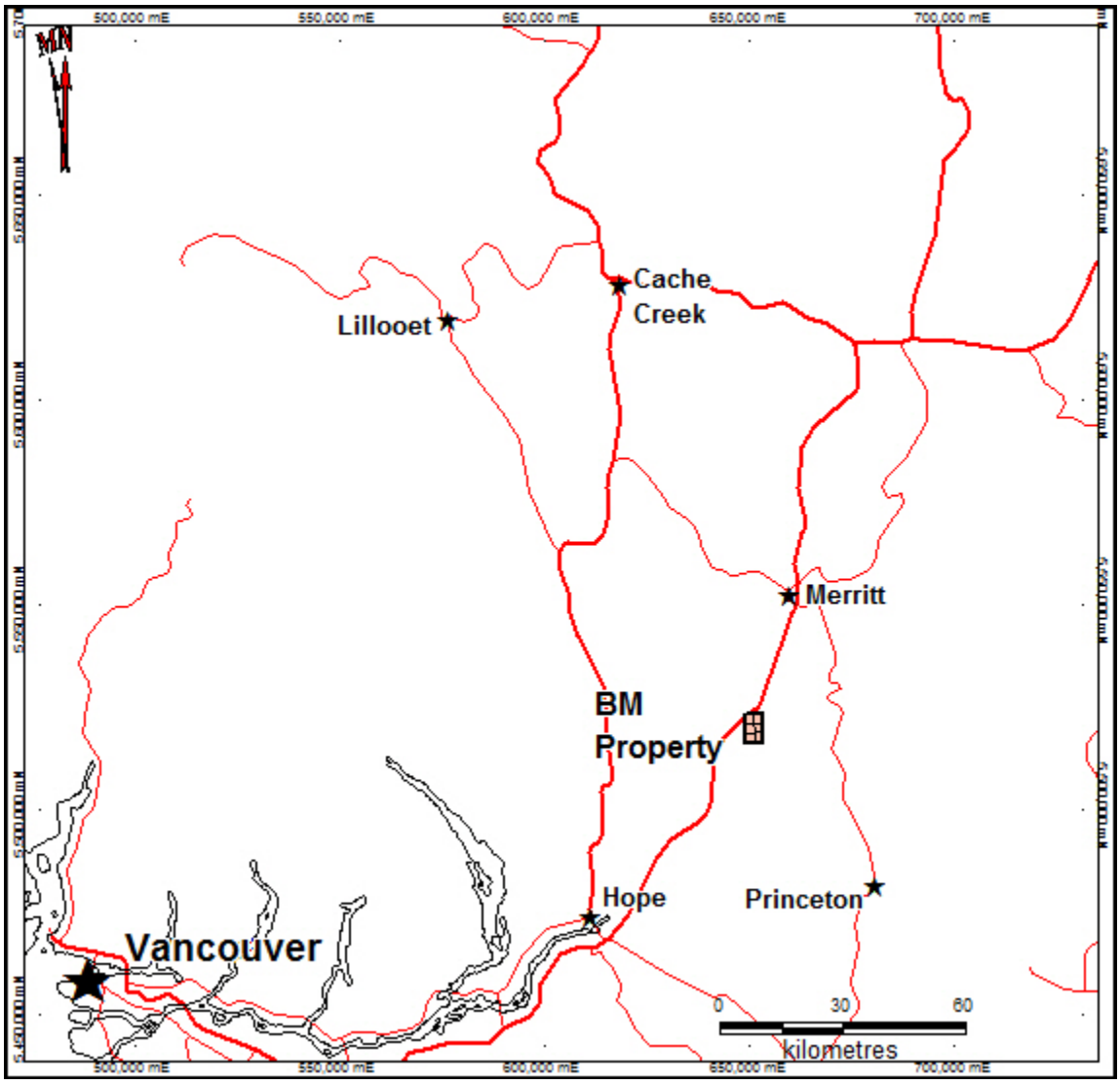


Figure 1: Location Map

The claims are registered in the name of Vatic Ventures Corp. who acquired a 100% interest in the claims by completing the terms of an option agreement with Eastland Management Ltd. Eastland retains a 1.5% Net Smelter Return royalty.

Table 1. List of Tenures

Tenure Number	Claim Name	Owner	Map Number	Good To Date	Area (ha)
740602	BM7	278080	092H	2016/Jan/31*	521.41
740603	BM8	278080	092H	2016/Jan/31*	521.42
740622	BM10	278080	092H	2016/Jan/31*	521.19
740623	BM9	278080	092H	2016/Jan/31*	521.19
740643	BM11	278080	092H	2016/Jan/31*	520.97
740644	BM12	278080	092H	2016/Jan/31*	520.97
					3127.15

*subject to approval of 2014 assessment credits

Quadro Resources Ltd. is earning a 51% interest over the next three years by completing the following work commitments:

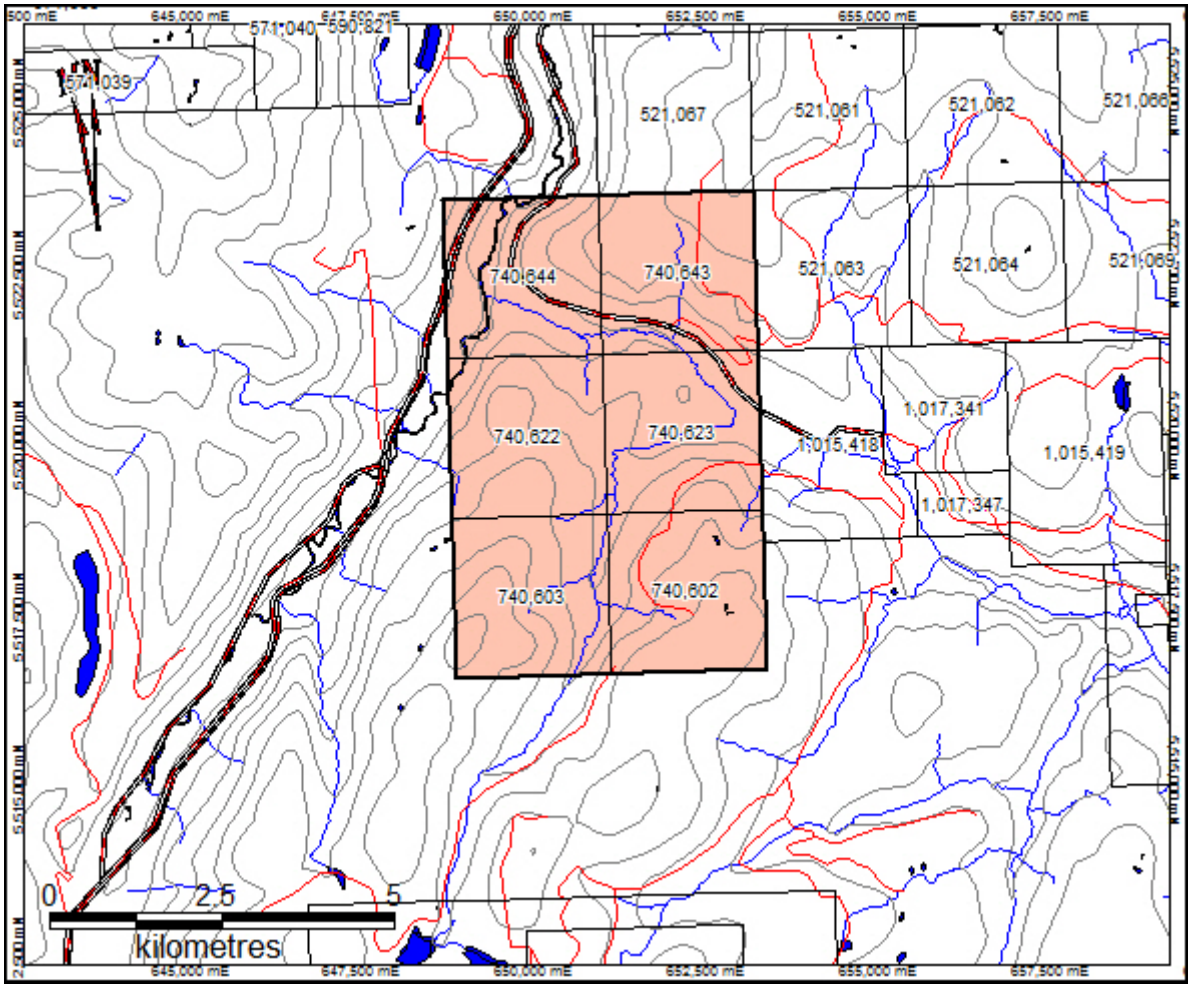
- $110,000 of exploration expenditures by March 31, 2015
- An additional $250,000 of exploration expenditures by March 31, 2016; and
- An additional $500,000 of exploration expenditures by March 31, 2017

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.

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 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 and Brook Creek in the west and northwest. 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.



Projection NAD83 Zone 10 Figure 2: Claim Location Map (092H076, 092H086)

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.

As this is a greenfields exploration project, detailed surveys with respect to potential tailings storage areas, waste disposal areas, heap leach pad areas or potential processing plant areas have not been undertaken. The claims are on crown land, so the surface rights are held by the crown. Power lines run along the road to Brookmere so power is within the property boundary. Water is available from the numerous creeks throughout the claim block. Mining personnel, accommodation, heavy equipment, supplies and fuel are readily available locally in Merritt, Kamloops or Princeton. Depending upon the type of exploration, the field season generally runs from late April to early November.

HISTORY

The BM 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 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. (now Berkwood Resources Inc.), Strongbow Exploration Inc. and Appleton Exploration Inc. (now Cornerstone Metals Inc.). Much of the ground has now lapsed and for the most part only the key claims containing the showings remain in good standing.

Since 2006 there have been a total of five 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 and also included a significant block of ground to the south and 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.

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 41 stream sediments samples were taken within the present BM claims. The stream sediment gold values did not exceed background. One rock sample was also collected from within the present BM claims. The gold value from this rock sample did not exceed background.

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. Seventeen samples are located within the present BM claims. Values of 11.9, 12.7 and 22.6 ppb Au were returned from creeks draining the area of the 2011 soil grid. A total of 12 rock samples were taken, of which, 1 was within the present BM claims. The rock sample gold values did not exceed background levels.

Vatic Ventures Corp. completed two phases of exploration in 2011, concentrating on Target Area I and Target Area II. 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 I. The 50 metre by 100 metre soil sampling 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 and a second, sub-parallel, 1600 metre linear gold-in-soil anomaly 1100 metres to the northwest. (Henneberry, 2011).

Quadro Resources Ltd. completed a small rock sampling and mapping program in the fall of 2013. A total of 12 rock samples were collected with most of the gold values at background. The mapping resulted in the logging of 94 separate outcrop locations. The mapping suggests the claims are underlain by a series of northwest trending alternating flows and volcaniclastics becoming more felsic to the northeast. (Henneberry, 2013).

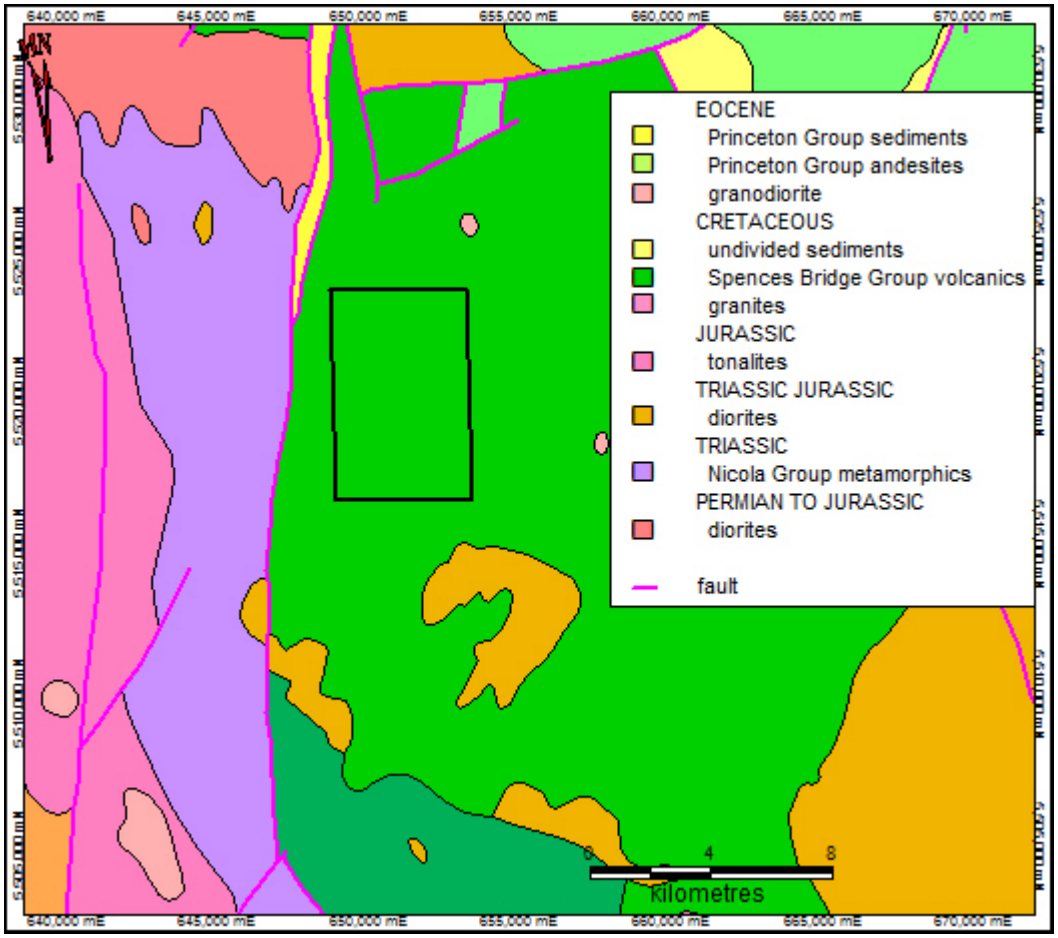
GEOLOGICAL SETTING

(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 Omenica 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.

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.



Projection NAD83 Zone 10

Figure 3: Regional Geology

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

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

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

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

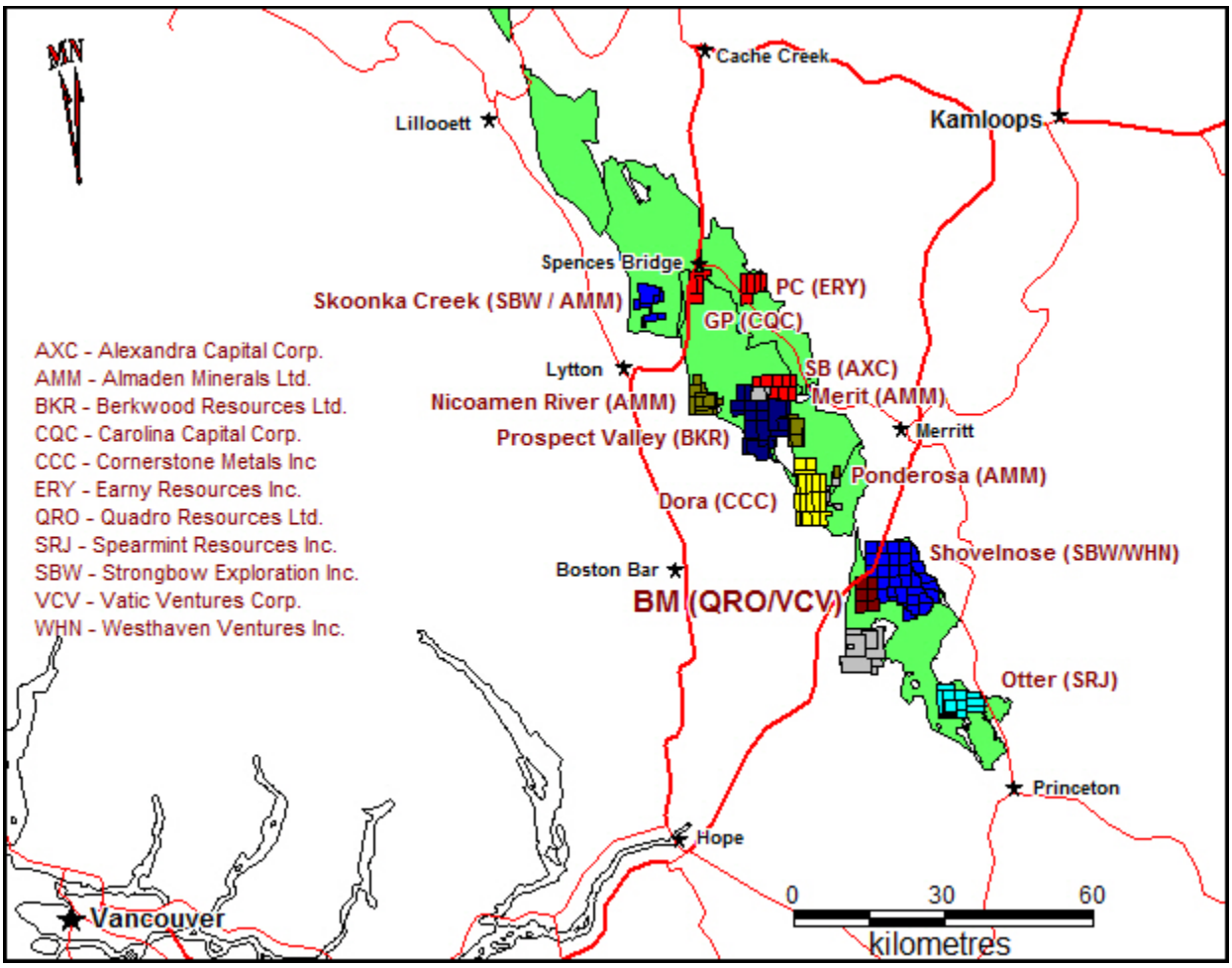
Glacial drift and alluvium deposits were deposited in creek and river valleys by south moving Pleistocene glaciers.

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.

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.



Projection NAD83 Zone 10

Figure 4: Spences Bridge Gold Belt

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).

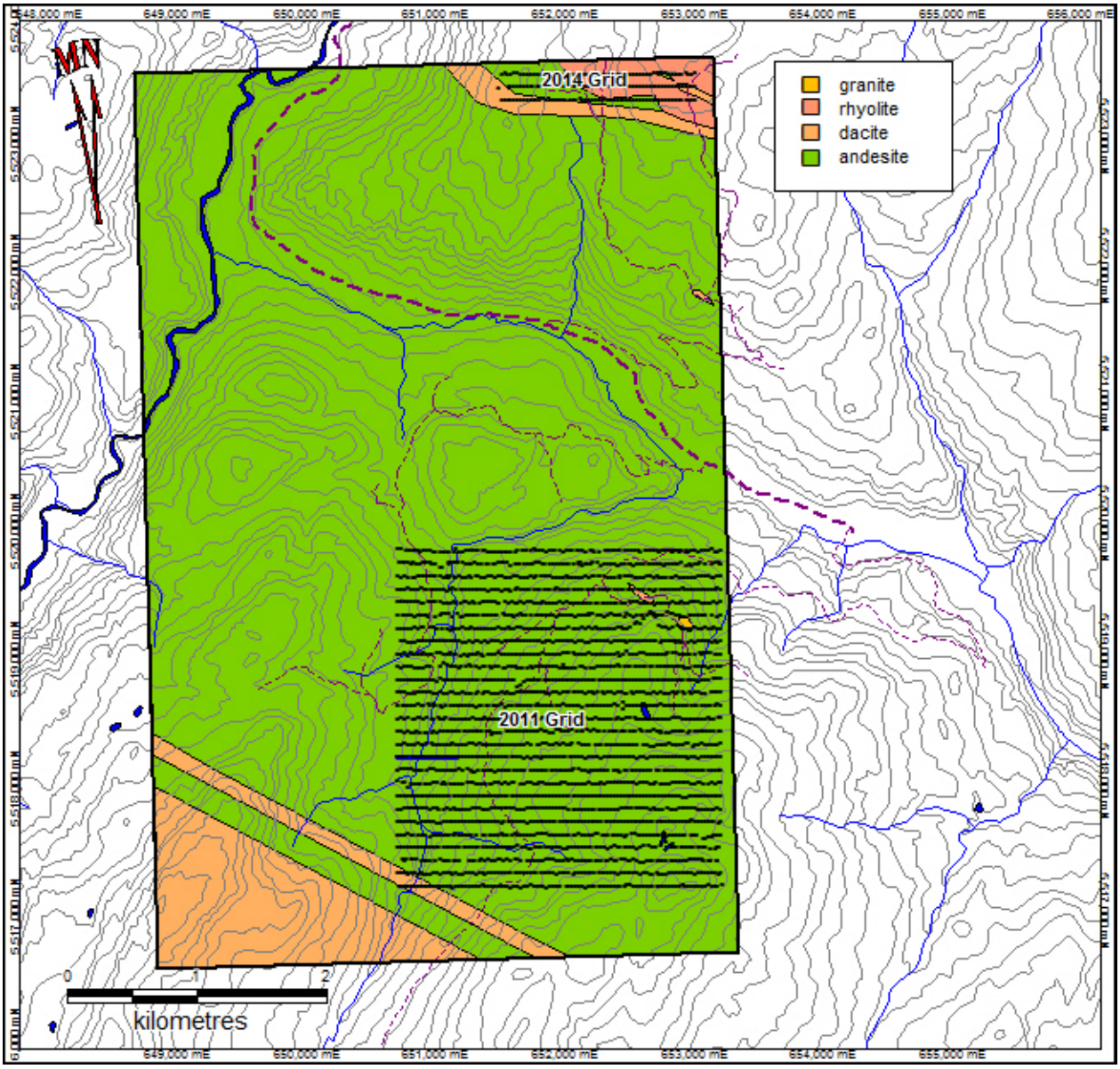
The Pimainus Formation consists mainly of subaerial flows and pyroclastic volcanic strata interbedded with minor sedimentary intervals containing sandstone and conglomerate. The oldest unit within this formation appears to be a grey-green andesite that is in part porphyritic or amygdaloidal. This unit 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.*"

Plate 1. Rhyodacite

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 10^0 to 40^0. 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).



Projection NAD83 Zone 10

Figure 5: Property Geology

BM Property Geology

Preliminary mapping was completed during the 2013 program, largely along the logging roads, Outcrops were mapped where noted along the three soil lines in the northeast corner of the claims during the 2014 program. The geology of the BM property appears to trend to the northwest with more felsic rocks in the northeast and southwest and andesitic flows and volcaniclastics through the heart of the property. The felsic units include: a rhyolite flow and flow breccia volcaniclastic unit in the extreme northeast. The rock is grey weathering and pink to pink brown on fresh surface. The flows appear locally aphanitic, though banding was not noted. The dacite / rhyodacite is also grey weathering but closer to brown in color and consists of a flow and flow breccia in the northeast and similar units in the southwest. Structurally, the rock ranges from massive through blocky to sheared. Little mineralization was noted.

The andesitic rocks are largely volcaniclastic with some small flows, grey on weathered surface and grey to grey-green on fresh surface. Compositionally, they range from crystal tuffs through to lapilli tuffs to coarser fragmentals. The rocks are commonly plagioclase phyric and the flows are commonly porphyritic due to plagioclase laths. Structurally, the rock ranges from massive through blocky to sheared. Little mineralization was noted.

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).

Preliminary exploration by Vatic Ventures Corp. in 2011 was successful in locating two areas of anomalous gold-in-soil and silver-in-soil: the east central area of the claim block (Target 1) and the northeast corner of the claim block, in the general area of the 2007 showing (Target 2).

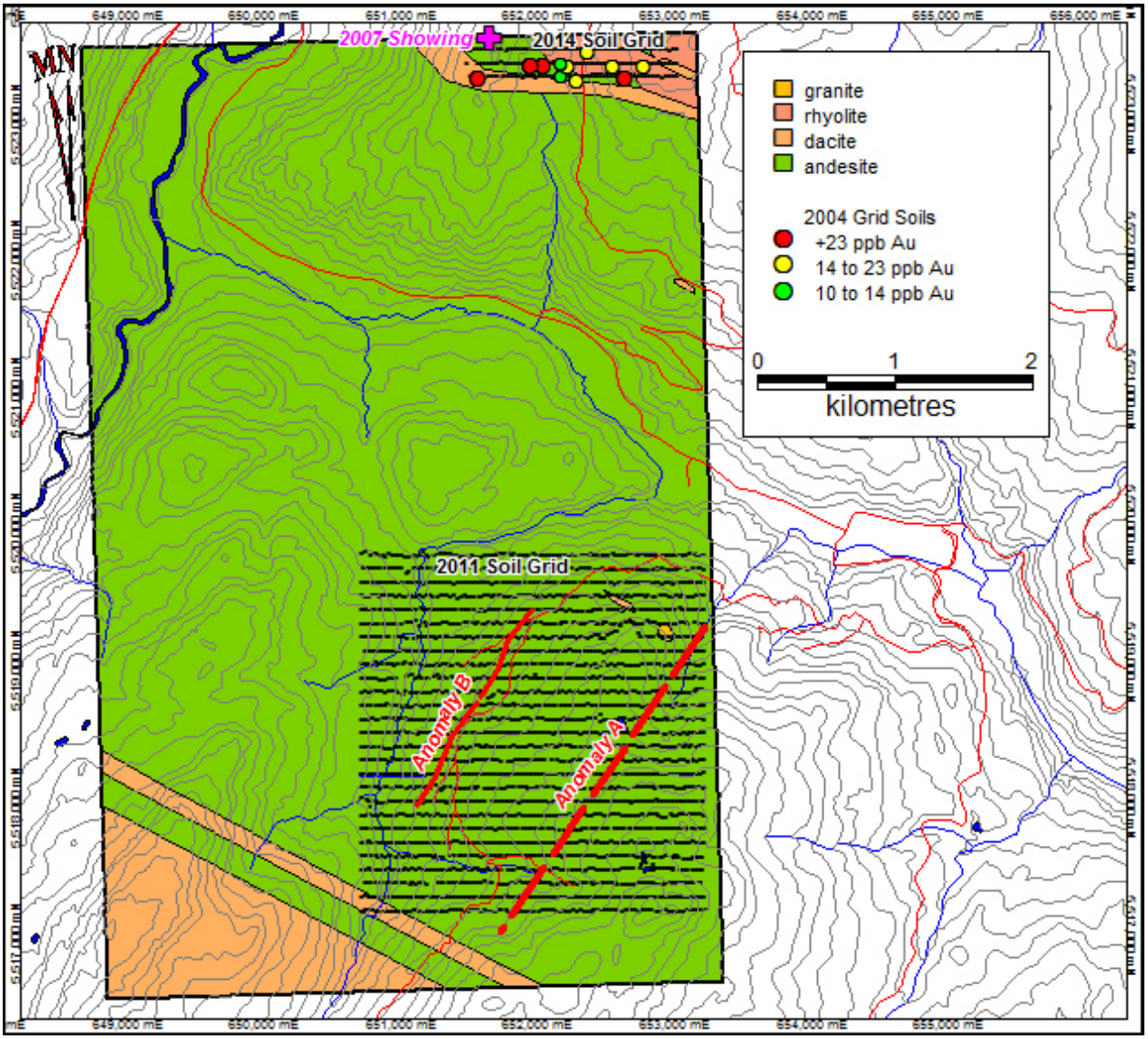
Vatic chose to focus on the Target 1 Area because of wider spread road soil mineralization, anomalous stream sediment geochemistry from the creek draining the area and the presence of an 11,260 ppb Au float sample in the area. Grid soil sampling later in 2011 was successful in locating a 900 metre to 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 (Henneberry, 2011). Subsequent review of the data seems to suggest a second, sub-parallel, 1600 metre linear gold-in-soil anomaly to the northwest.

Quadro Resources Ltd. has chosen to test the Target 2 Area, and completed the first three northernmost soil lines of an eventual 1500 metre wide by 1800 metre long grid. Anomalous values were located on all three lines. More lines soil lines to the south will need to be established to determine gold-in-soil anomaly characteristics, but the presence of anomalous values on each of the three lines is encouraging.

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 calcakaline andesitic compositions predominate. Low sulphidation deposits can be any age. Tertiary deposits are the most abundant. Jurassic deposits are important in British Columbia (Toodoggone).



Projection NAD83 Zone 10

Figure 6. Mineralization

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 metallogenetic 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 hotspring 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, anastamosing 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.

EXPLORATION

The 2014 exploration program on the BM property consisted of grid soil sampling. The three northern most lines of the proposed Target 2 grid were completed to supply sufficient assessment credits to maintain the claims. A total of 182 soil samples were collected along the three 1500 metre long lines at 25 metre sample intervals. Outcrops encountered along the grid soil lines were logged and described.

The three east-west soil lines were spaced 100 metres apart and were sampled at 25 metre intervals completing the northernmost section of the 1500 metre by 1800 metre Target 2 grid. Each 25 metre sample interval was located by a handheld GPS unit. At each sample location a 500 to 1000 gram sample of the soil from the "B" horizon was taken and placed in the corresponding soil bag. Each sample location was marked as a waypoint in a GPS unit in the map datum NAD 83. The sample site was marked with blue and orange flagging. Particulars on depth, color and proximal outcrop were recorded in a field book along with actual UTM coordinates as back up.

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 Quadro Resources Ltd. personnel to be representative and does not feel there are any factors that may have resulted in sample bias. There is no chance of bias in the soil sampling as these samples are just blind samples taken at regular intervals.

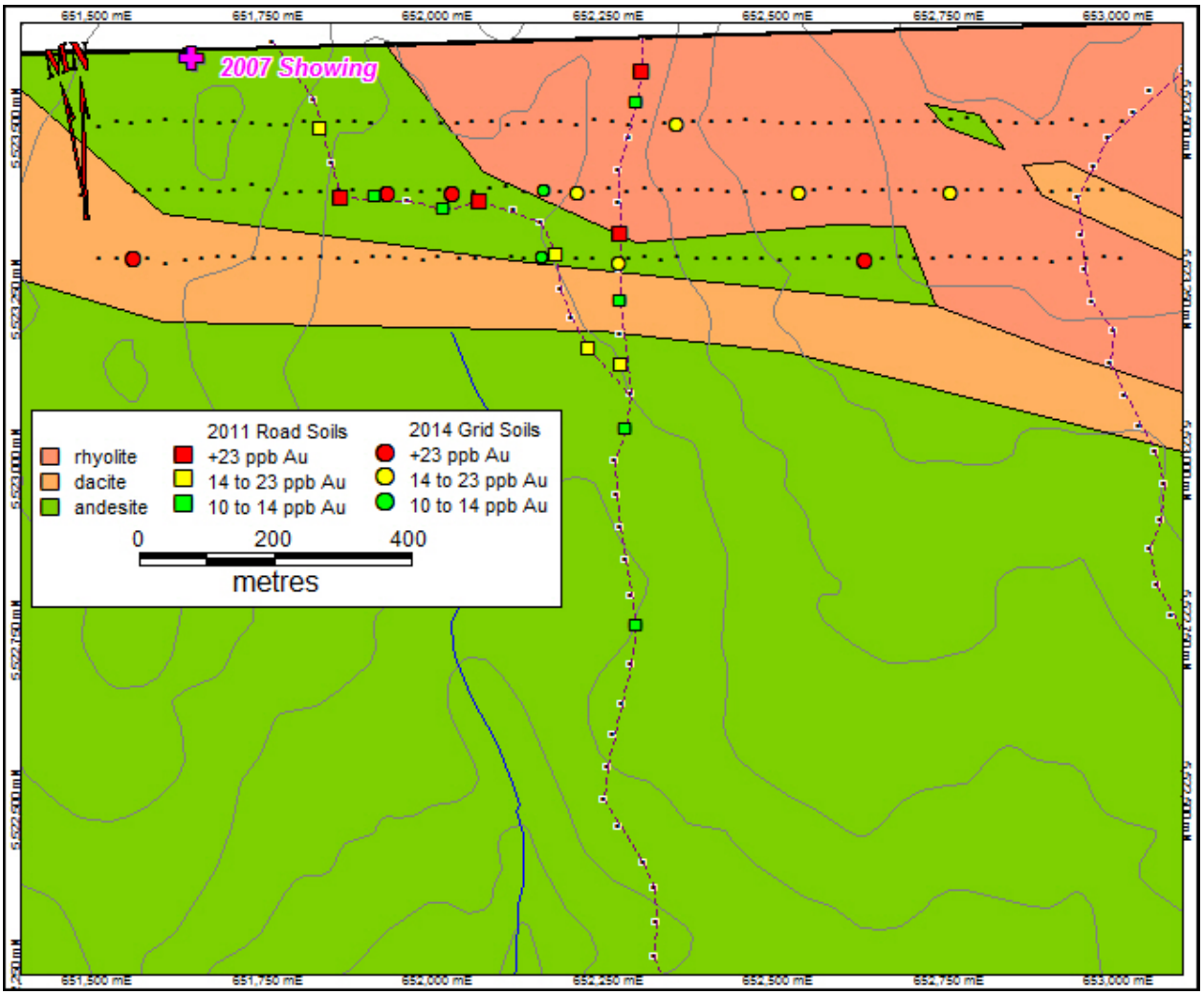
The lithologies documented on the BM property include: rhyolite flows and flow breccias, dacite/rhyodacite flows and flow breccias and andesitic volcaniclastics, consisting of crystal tuffs through lapilli tuffs to coarser fragmentals. There has not yet been bedrock mineralization located on the BM property. 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.

Table 2. Combined 2011 2014 Soil Summary Statistics

Percentile	75th	90th	95th	98th		Maximum	Count
Au ppb	4	10	14	23		264	699
As ppm	6	7	8	10		23	699

Since only 182 samples were taken, the 2014 samples were combined with the 2011 road soil samples and statistics were run to determine the 90th, 95th and 98th percentiles for anomaly thresholds from the combined 699 samples as shown in Table 2.

The 2014 sampling was successful in locating anomalous gold values on each of the three lines as shown in Figure 7. Interestingly, the 2014 sampling has confirmed and expanded the anomaly located on the western section of the middle line. A more east west strike is suggested by the lack of corresponding anomalous values on the line above and the line below.



Projection NAD83 Zone 10

Figure 7: Soil Samples (ppb Au)

There is little point in analyzing the data further until more lines are completed to the south expanding the grid in that direction.

DRILLING

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

Samples were returned to Merritt on a daily basis where they were bagged and secured in the motel room. Upon returning to town daily, soil samples were laid out in numbered sequence, to confirm complete sample succession and placed 12 to 15 in a 13 by 18 poly bag. Three poly bags were then placed in a rice bag. One blank standard, sealed in a Ziploc bag, was also placed in the rice bag. Each rice bag was then zap strapped and delivered to Acme Analytical Laboratories Ltd. in Vancouver, British Columbia by Mammoth Geological Ltd. (the geological contractor) personnel at the end of the job. Acme is independent of both Vatic Ventures Corp. and Quadro Resources Ltd.

Quality control procedures included the utilization of certified Standard blank samples prepared by CDN Resource Laboratories Ltd. of Langley, B.C. The Standard was weight-measured into sealed, heavy duty Ziploc bags and inserted into the sample stream.

All samples were analyzed at ACME Analytical Laboratories Ltd. in Vancouver, which is certified compliant with the International Standards Organization (ISO) 9001:2000 Model for Quality Assurance.

Wet or damp soil and silt samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (SS230). Sieves cleaned by brush and compressed air between samples. The prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO_3 and DI H_2O for one hour in a heating block or hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5 gram are analyzed with the option of 15 gram or 30 gram digestion available for AQ200. The solution is then analyzed utilizing 36 element ICP-MS.

The exploration program completed by Quadro Resources Ltd. consisted of preliminary surveys. Quality control procedures employed included a Blank Standard (CDN-BL-10) supplied by CDN Resource Labs which was inserted at regular intervals throughout the sample stream. The recommended value for the standard is <0.01 grams per tonne Au, equivalent to 10 parts per billion. The 4 analyses ranged from <0.5 ppb Au to 3.6 ppb Au (Table 3).

Table 3. CDN Blank Standard Performance

Sample Number	ppb Au		Sample Number	ppb Au		Sample Number	ppb Au
BM14TH 045B	1.6		BM14 JT 054A	1.3		BM14TH 090B	<0.5
			BM14JT 094A	3.6			

The author feels that 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 and the author actually took half the samples himself. The author undertook the security procedures during the program. The author 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 Quadro Resources Ltd. / Vatic Ventures Corp. 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.
- Birchwood Resources Ltd. released a current 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 exploration programs completed by Strongbow Exploration Inc. and Almaden Minerals Ltd., among others, within the Spences Bridge Gold Belt through the 2004 to 2008 period initially begun to zero in stratigraphically on favourable units. Their results were interpreted to suggest the volcaniclastics in the Pimainus Formation were more favourable host for epithermal systems than the overlying Spius Formation andesites (for example Stewart and Gale, 2006). The detailed mapping programs of Strongbow Exploration Inc. suggested signs of epithermal alteration seem to rapidly dissipate stratigraphically above the Pimainus / Spius contact. Subsequent exploration was then focussed in that direction.

Table 4. Host Formation of Spences Bridge Company Projects

Company	Project	Host	Exploration Completed	Assessment Reports
Strongbow Exploration Inc. / Almaden Minerals Ltd.	Skoonka Creek	Pimainus	soils, geophysics, trenching, drilling	34626 29084
Carolina Capital Corp.	GP	Spius / Pimainus	soils	34323 33828
Earny Resources Ltd.	PC	Pimainus	soils, geophysics	33909 33871
Almaden Minerals Ltd.	Nicoamen River	Spius	soils, geophysics	31354 28841
Alexandra Capital Corp.	SB	Spius / Pimainus	soils	33625 28706
Berkwood Resources Ltd.	Prospect Valley	Spius	soils, geophysics, trenching, drilling	34461 32333
Almaden Minerals Ltd.	Merit	Spius	soils, geophysics, trenching, drilling	32045 28006
Cornerstone Metals Inc.	Dora	Spius / Pimainus	soils, geophysics, trenching	30740 30155
Almaden Minerals Ltd.	Ponderosa	Spius	soils, geophysics, trenching, drilling	29633 28830
Westhaven Ventures Ltd. / Strongbow Exploration Inc.	Shovelnose	Pimainus	soils, geophysics, trenching, drilling	33604 32921
Vatic Ventures Inc. / Quadro Resources Ltd.	BM	Pimainus	soils	32806 30474
Spearmint Resources Ltd.	Otter	Pimainus	soils, geophysics	33982 30736

However, a current review of the various historic and present projects shows the occurrences appear to lie in both the Spius Formation and the Pimainus Formation as shown in Table 4, suggesting the entire belt remains prospective. The host formation is taken either from MapPlace or from Diakow and Barrios (2008). The two most recent assessment report numbers for each project are taken from the ARIS database. (www.aris.empr.gov.bc.ca/)

The exploration through the 2000's, primarily between 2004 and 2008 also gave rise to numerous discussions amongst the geologists exploring the belt at the time, including: Dave Gale, P.Geo. of Strongbow and Ed Balon, P.Geo. of Almaden and the author. The programs through that period repeatedly encountered abundant extremely fine-grained detritus quartz (opaline veinlets, agates, clots, discontinuous blebs and pockets) through several of the 2004 to 2008 claim groups. In combination, these programs also noted a scarcity of near surface precious metal enriched epithermal quartz veins. These observations lead to the hypothesis that the present erosional level of the Spences Bridge Gold Belt may be significantly higher in the epithermal system than originally thought, further suggesting the potential precious metal bearing horizons within these epithermal systems may be as much as 300 metres below the present erosional level. This theory is further substantiated by Megaw (2006) in his summary description of low sulphidation epithermal precious metal systems where he documents similar fine-grained quartz detritus + 300 metres above the precious metal bearing horizons in Mexico and the U.S. southwest.

A recent review of the 2013 mapping program on the BM property notes several references to quartz fragments, veinlets and/or agates that appear to be more confined to the andesitic flows and volcaniclastics, similar to the abundant quartz detritus noted on other SBGB properties. In addition, three float samples of quartz material returning values in excess of 200 ppb Au were noted in the 2011 exploration program (Henneberry, 2011). These observations support further exploration on the BM property.

The two linear anomalies located on the 2011 soil grid remain to be followed up when the markets turn and large scale exploration programs can again be funded: **Anomaly 1**, a 900 metre to 2000 metre long, multi-element anomaly on the east central portion of the grid and **Anomaly 2**, a sub-parallel, 1600 metre linear gold-in-soil anomaly 1100 metres to the northwest. These anomalies need to be followed up prospecting and mapping in advance of trenching or diamond drilling.

The initial success of the 2014 grid soil lines in the northeastern corner of the claim block needs to followed up by completing the remainder of the 1500 metre wide by 1800 metre long soil grid at 100 metre lines and 25 metre sample spacings.

RECOMMENDATIONS

The recommendations from 2011 remain valid and are summarized below:

- evaluate the two multi-element linear anomalies from the 2011 soil grid by prospecting and mapping in advance of trenching or diamond drilling
- undertake 50 metre by 100 metre grid soil sampling over the 1500 metre by 1800 metre area on Target 2 expanding the 3 lines completed during the 2014 program

2014 BM Property Budget

Prospecting and Mapping:					
Two man prospecting crew all in	15	days	@	$1,835	$27,525
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	21	days	@	$1,635	$34,335
Analysis - soil	1000	samples	@	$20	$20,000
Analysis - rock	25	samples	@	35	$875
Analysis - standards	25	samples	@	$20	$500
Equipment and Supplies:					$2,000
Travel:					$7,500
Supervision					$5,000
Documentation					$5,000
Contingency:					$10,480
Total Budget					**$120,000**

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CERTIFICATE FOR R. TIMOTHY HENNEBERRY

I, R.Tim Henneberry, P.Geo. a consulting geologist with offices at 2446 Bidston Road, Mill Bay, B.C. V0R 2P4 and 704 – 1060 Alberni Street, Vancouver, B.C. V6E 4K2 do hereby certify that: I am the Qualified Person for:

Quadro Resources Ltd.
1108 – 1030 West Georgia Street
Vancouver, British Columbia V6E 2Y3

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

I have been registered with the Association of Professional Engineers and Geoscientists in the Province of British Columbia as a Professional Geoscientist since November 1992, with License Number 19759.

I have practiced my profession continuously for 34 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:

- 34 years of exploration experience for base and precious metals in the Western Cordillera
- 10 years of exploration experience for low sulphidation epithermal deposits in the Spences Bridge Gold Belt

I am responsible for the preparation of the technical report titled "2014 Geological and Geochemical Report BM Property" and dated November 21, 2014, relating to the BM property. I conducted the 2014 exploration program on the BM property from October 19 to October 21, 2014, a total of three days.

I have had prior involvement with the property that is the subject of the Technical Report as I supervised and documented the 2011 and 2013 exploration programs.

As of November 21, 2014, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

I am a Director of Quadro Resources Ltd. so I cannot be considered independent of the issuer after applying all of the tests in section 1.4 of NI 43-101.

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 November 21, 2014.

"signed and sealed"

_____

R.Tim Henneberry, P.Geo

STATEMENT OF COSTS

The field program ran from October 19 to October 22, 2014

Field Crew							$7,900.00
Tim Henneberry	3.5	days	@	$800	/day	$2,800	
John Taylor	3.5	days	@	$500	/day	$1,750	
Vehicle Rentals							
Mammoth	3.5	days	@	$100	/day	$350	
Supervision							
Tim Henneberry	6	hours	@	$125	/hour	$750	
Documentation							
Tim Henneberry	20	hours	@	$125	/hour	$2,500	

Expenses			$1,242.62
Travel			
Hotel		$666.15	
Meals		$210.86	
Fuel		$99.86	
Supplies		$152.78	
Service charge		$112.97	

Analysis			$3,744.08
Work Order	Invoice		
VAN14003472	VANI214092	$3,403.71	
Service (10%)		$340.37	

GST (GST Number 133959049)			$656.83
Services		$407.50	
Expenses		$62.13	
Analysis		$187.20	

Total Cost	**$13,793.53**
Less GST	**$13,136.70**

Sample	83Z10E	83Z10N	Elevation	Depth	Certificate	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca
BM14TH001	653001	5523502	1383	10 cm	VAN14003472	0.6	22.9	10.3	84	0.1	8.8	7.7	997	2.2	4.4	1.1	0.6	58	0.4	0.4	0.1	48	0.76
BM14TH002	652972	5523500	1387	10 cm	VAN14003472	0.8	22.5	9.2	90	0.1	9	8.3	936	2.27	4	2.3	0.7	59	0.4	0.4	0.1	58	0.71
BM14TH003	652948	5523496	1392	10 cm	VAN14003472	0.9	18.5	8.6	90	<0.1	6.7	7.3	1133	2.05	3.8	1.8	0.4	57	0.5	0.4	<0.1	43	0.67
BM14TH004	652927	5523503	1402	10 cm	VAN14003472	0.7	18.6	9.4	84	<0.1	7.2	7.5	1059	2.33	3.6	0.7	1	46	0.5	0.4	0.1	49	0.61
BM14TH005	652898	5523499	1402	10 cm	VAN14003472	0.7	19.2	11.7	80	<0.1	7	9.1	1269	2.4	2.6	<0.5	0.6	49	0.4	0.2	0.1	44	0.67
BM14TH006	652878	5523499	1405	10 cm	VAN14003472	0.7	21.4	10.4	105	<0.1	9.4	6.9	1727	1.83	3	1.1	0.4	57	0.4	0.3	0.1	50	0.91
BM14TH007	652847	5523498	1405	10 cm	VAN14003472	0.8	14.6	7.3	43	<0.1	8.5	7	1253	1.92	1.8	<0.5	1	50	0.1	0.3	<0.1	50	0.58
BM14TH008	652823	5523500	1407	10 cm	VAN14003472	0.7	13.7	7.2	57	<0.1	7.9	6.9	846	2.06	2.9	1.6	0.9	40	0.1	0.4	<0.1	58	0.54
BM14TH009	652799	5523501	1407	10 cm	VAN14003472	0.7	24.3	6.7	56	0.1	11.4	7.9	439	2.27	2.5	1.4	1	67	0.3	0.3	<0.1	57	0.83
BM14TH010	652775	5523506	1411	10 cm	VAN14003472	0.6	21.3	7.7	68	<0.1	8.9	8.7	865	2.38	3.3	0.8	1	46	0.2	0.3	<0.1	59	0.54
BM14TH011	652752	5523505	1414	10 cm	VAN14003472	0.9	28.1	10.6	91	<0.1	10.2	10.7	1447	2.59	2.5	0.6	0.8	53	0.6	0.2	0.1	52	1.06
BM14TH012	652726	5523501	1411	10 cm	VAN14003472	0.7	22.3	12.1	74	<0.1	8.8	9.1	1161	2.46	4.3	2.7	1	47	0.3	0.3	<0.1	52	0.86
BM14TH013	652700	5523502	1408	10 cm	VAN14003472	0.9	29.4	12.9	140	0.1	7.1	7.2	1468	1.58	1.9	1.9	0.3	94	0.9	0.2	0.1	27	1.79
BM14TH014	652675	5523502	1404	10 cm	VAN14003472	0.9	24.8	8.4	70	<0.1	11.5	9.7	988	2.55	3.2	0.9	1	47	0.3	0.3	0.1	61	0.68
BM14TH015	652649	5523500	1398	10 cm	VAN14003472	0.6	22.3	7.3	93	<0.1	13.3	9	1187	2.51	3.1	2	1.1	51	0.3	0.3	<0.1	65	0.62
BM14TH016	652626	5523501	1393	10 cm	VAN14003472	1.1	17.3	7.3	52	<0.1	8.5	6.5	1002	1.76	2.4	1.1	0.9	57	0.1	0.2	<0.1	51	0.65
BM14TH017	652600	5523500	1386	10 cm	VAN14003472	0.9	12.6	6.2	45	<0.1	7.9	6.7	1194	1.92	1.9	0.9	0.8	43	0.1	0.2	<0.1	53	0.4
BM14TH018	652574	5523499	1380	10 cm	VAN14003472	0.9	22.2	9.5	84	<0.1	9.8	7.8	1234	2.21	3.6	5.6	0.7	58	0.2	0.3	<0.1	60	0.62
BM14TH019	652550	5523498	1374	10 cm	VAN14003472	0.7	16.7	7.4	62	<0.1	9	7	956	1.97	2.8	2.1	1.2	47	0.2	0.3	<0.1	55	0.51
BM14TH020	652526	5523498	1367	10 cm	VAN14003472	0.8	21.9	8.7	79	<0.1	10.3	8.3	1218	2.2	4.1	4.8	0.6	58	0.2	0.3	<0.1	56	0.66
BM14TH021	652501	5523499	1361	10 cm	VAN14003472	0.7	43	8	58	0.3	14.2	5.4	464	1.85	3.3	2.2	0.8	129	0.4	0.4	0.1	36	1.73
BM14TH022	652476	5523500	1360	10 cm	VAN14003472	1	14.7	6.3	54	<0.1	9.9	7.2	649	2.08	2.9	3.6	0.7	41	0.2	0.3	<0.1	62	0.44
BM14TH023	652450	5523503	1368	10 cm	VAN14003472	1.1	16.7	10.7	134	<0.1	8.7	6.6	2283	2.16	3.4	1.3	0.8	48	0.4	0.3	0.1	48	0.59
BM14TH024	652425	5523501	1368	10 cm	VAN14003472	0.9	14.9	6.6	66	<0.1	10.7	7.5	922	2.24	2.6	2	1.2	40	0.1	0.3	<0.1	57	0.4
BM14TH025	652399	5523501	1363	10 cm	VAN14003472	0.8	9.7	5.7	76	<0.1	9.1	4.9	870	1.65	1.9	2.6	1	30	0.2	0.2	<0.1	45	0.31
BM14TH026	652372	5523501	1355	10 cm	VAN14003472	0.9	8.4	5.4	54	<0.1	6.3	4.7	663	1.71	2.2	3.4	0.8	37	0.1	0.3	<0.1	47	0.35
BM14TH027	652347	5523500	1345	10 cm	VAN14003472	0.8	10	5.4	68	<0.1	6.4	4.6	723	1.67	2.1	21.3	0.9	37	0.1	0.2	<0.1	48	0.35
BM14TH028	652331	5523498	1342	10 cm	VAN14003472	0.7	19.4	5.1	50	<0.1	12.8	7.8	368	2.56	4.5	4.8	1.4	42	<0.1	0.4	<0.1	73	0.39
BM14TH029	652300	5523501	1331	10 cm	VAN14003472	1	10.6	5.5	77	<0.1	6.8	4.5	834	1.71	2.4	3.3	0.9	43	0.2	0.2	<0.1	45	0.44
BM14TH030	652277	5523497	1318	10 cm	VAN14003472	0.7	13.6	5.2	53	<0.1	7.5	5.2	303	2.15	4	4.6	1.3	36	<0.1	0.4	<0.1	61	0.34
BM14TH031	653002	5523401	1395	10 cm	VAN14003472	0.5	17.6	5.8	73	<0.1	9.1	7	519	2.15	2.3	4	0.9	47	0.1	0.3	<0.1	54	0.51
BM14TH032	652972	5523400	1396	10 cm	VAN14003472	0.8	15	7.3	67	<0.1	8.3	7.4	1079	2.15	2.5	0.6	0.9	25	0.1	0.3	<0.1	53	0.24
BM14TH033	652952	5523400	1398	10 cm	VAN14003472	1	25.2	11.3	129	<0.1	11	8.3	2204	2.27	3.7	2.3	0.6	55	0.4	0.3	0.1	53	0.6
BM14TH034	652925	5523400	1398	10 cm	VAN14003472	0.8	17.5	7.9	68	<0.1	9.4	7.9	1100	2.32	2.8	0.8	1	46	0.2	0.3	0.1	59	0.43
BM14TH035	652900	5523398	1401	10 cm	VAN14003472	1.1	19.8	7.7	87	<0.1	8.6	7.4	909	2.08	3.8	1.1	0.7	61	0.1	0.4	<0.1	56	0.61
BM14TH036	652877	5523400	1401	10 cm	VAN14003472	0.7	17.1	7.8	63	<0.1	7.8	7.5	980	2.15	3.5	3.4	1	42	0.2	0.4	<0.1	57	0.53
BM14TH037	652851	5523398	1406	10 cm	VAN14003472	0.5	14.6	8.1	75	<0.1	9	7	1324	2.14	3.2	1.9	1.3	42	0.2	0.4	0.2	54	0.5
BM14TH038	652824	5523400	1405	10 cm	VAN14003472	0.7	15.4	8.6	86	<0.1	8.7	8	1791	2.27	2.4	6.2	1	36	0.2	0.3	0.1	55	0.48
BM14TH039	652797	5523400	1405	10 cm	VAN14003472	0.6	13.5	7	99	<0.1	8.6	6.5	1341	2.14	2.1	1	0.9	38	0.3	0.3	<0.1	51	0.49
BM14TH040	652774	5523401	1400	10 cm	VAN14003472	0.6	16.9	6.3	89	<0.1	9.1	7.5	1065	2.23	1.8	1.1	0.9	47	0.2	0.2	<0.1	54	0.51
BM14TH041	652747	5523401	1394	10 cm	VAN14003472	0.3	82	8.2	31	0.5	33	6	278	2.59	3.4	15	2.2	94	0.4	0.2	0.2	41	1.02
BM14TH042	652726	5523401	1396	10 cm	VAN14003472	0.6	18.1	7.1	69	0.1	11.9	8.1	877	2.22	2.3	<0.5	1.1	53	0.2	0.2	0.1	59	0.55
BM14TH043	652699	5523398	1396	10 cm	VAN14003472	0.6	15.1	6	71	<0.1	9.7	6.9	1239	1.97	2.1	<0.5	0.9	55	0.2	0.2	<0.1	54	0.48

Sample	83Z10E	83Z10N	Elevation	Depth	Certificate	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca
BM14TH044	652676	5523400	1391	10 cm	VAN14003472	1.1	15	6.8	66	<0.1	10.4	6.9	872	2	1.8	1.2	1.1	52	0.1	0.2	<0.1	54	0.51
BM14TH045	652649	5523400	1388	10 cm	VAN14003472	0.6	15.4	6.5	54	<0.1	10.5	7	610	2.16	2.5	1.6	1.3	49	0.1	0.3	<0.1	63	0.43
BM14TH046	652624	5523399	1382	10 cm	VAN14003472	0.6	15.7	6.5	73	<0.1	8.9	6.5	1238	1.81	2.7	0.7	1	64	0.2	0.3	<0.1	47	0.59
BM14TH047	652599	5523401	1378	10 cm	VAN14003472	0.7	21.2	7.1	80	<0.1	10	8.5	853	2.29	3.3	0.8	0.8	60	0.3	0.3	<0.1	56	0.72
BM14TH048	652573	5523402	1374	10 cm	VAN14003472	0.7	23.5	7	118	<0.1	11.8	8.3	849	2.1	4.1	<0.5	0.6	105	0.6	0.3	<0.1	48	1.28
BM14TH049	652550	5523401	1367	10 cm	VAN14003472	1.2	22.4	8.1	90	<0.1	11.7	8.7	1000	2.3	4	3.3	0.6	64	0.3	0.3	<0.1	53	0.69
BM14TH050	652525	5523400	1362	10 cm	VAN14003472	1.1	21.3	7.5	90	0.1	11.9	8.2	892	2.18	3.2	20	0.6	62	0.4	0.3	<0.1	50	0.75
BM14TH051	652499	5523399	1357	10 cm	VAN14003472	1	35.8	7.7	83	0.2	16.1	7.9	894	2.15	3.2	1.5	0.5	87	0.3	0.3	0.1	44	1.02
BM14TH052	652475	5523396	1353	10 cm	VAN14003472	0.8	19.5	6.3	105	0.1	9.4	7.1	1053	1.84	2.9	2.3	0.6	66	0.3	0.2	<0.1	47	0.75
BM14TH053	652448	5523398	1354	10 cm	VAN14003472	0.7	23.9	7.3	125	<0.1	7.9	6.1	1146	1.34	2.9	2.9	0.5	116	0.5	0.2	<0.1	31	1.13
BM14TH054	652424	5523399	1353	10 cm	VAN14003472	1.2	15.7	6.8	115	0.1	8.1	5.9	1335	1.72	2.5	1.7	0.4	51	0.4	0.3	0.1	43	0.48
BM14TH055	652399	5523400	1355	10 cm	VAN14003472	0.7	8.1	6.3	86	<0.1	5.3	3.8	1423	1.53	2.1	3.3	0.7	35	0.2	0.3	<0.1	40	0.36
BM14TH056	652378	5523400	1349	10 cm	VAN14003472	0.5	11	5.6	58	<0.1	7.2	4.7	360	2.04	2.7	7.3	1.3	37	<0.1	0.4	<0.1	54	0.31
BM14TH057	652350	5523400	1342	10 cm	VAN14003472	0.7	9.2	5.1	58	<0.1	6.4	4.2	521	1.72	2.1	9.8	1.1	33	0.1	0.3	<0.1	47	0.23
BM14TH058	652326	5523400	1334	10 cm	VAN14003472	1.2	10	5.8	71	<0.1	6.9	5.2	850	1.76	2.3	3.7	0.8	41	<0.1	0.3	<0.1	46	0.33
BM14TH059	652301	5523403	1326	10 cm	VAN14003472	0.8	8.7	5.8	60	<0.1	5.8	4.1	778	1.55	2.4	8.3	0.7	45	0.1	0.3	<0.1	43	0.4
BM14TH060	652275	5523399	1321	10 cm	VAN14003472	0.9	7.5	5.1	67	<0.1	5.4	3.4	761	1.5	1.8	<0.5	0.8	38	0.1	0.2	<0.1	38	0.28
BM14TH061	652999	5523301	1384	10 cm	VAN14003472	0.9	16.4	6.5	51	<0.1	10.4	7.8	1057	2.09	1.8	4	1.2	50	0.1	0.3	<0.1	57	0.41
BM14TH062	652975	5523302	1388	10 cm	VAN14003472	1.1	18.3	9.1	63	<0.1	9.7	7.3	1025	2.37	4.6	0.8	1	37	0.2	0.4	<0.1	58	0.43
BM14TH063	652949	5523301	1389	10 cm	VAN14003472	0.6	18.6	9.2	88	<0.1	10.5	8.1	1465	2.47	3.3	<0.5	1.2	39	0.2	0.4	<0.1	58	0.43
BM14TH064	652925	5523301	1388	10 cm	VAN14003472	0.6	11.6	6.2	72	<0.1	7.8	5.6	839	1.79	2.2	2.6	1	34	0.1	0.3	<0.1	47	0.32
BM14TH065	652898	5523296	1385	10 cm	VAN14003472	0.3	24.1	6.7	42	0.2	10.8	4.7	312	1.45	2	1.4	0.6	46	<0.1	0.2	<0.1	37	0.39
BM14TH066	652874	5523301	1385	10 cm	VAN14003472	0.7	14.3	6.4	48	<0.1	8.9	6.1	790	1.76	1.9	1	0.9	54	0.1	0.2	<0.1	47	0.49
BM14TH067	652850	5523301	1386	10 cm	VAN14003472	0.7	15.1	7.5	57	<0.1	8.7	6.9	1036	1.98	2.2	<0.5	1.1	62	0.2	0.3	<0.1	51	0.57
BM14TH068	652826	5523301	1386	10 cm	VAN14003472	0.6	22.1	7.1	67	<0.1	11.4	7.9	793	2.21	2.9	1.9	1.1	59	0.2	0.3	<0.1	58	0.53
BM14TH069	652800	5523299	1387	10 cm	VAN14003472	0.7	18	6.6	59	<0.1	10	7.2	913	2.17	2.9	0.8	0.7	60	0.2	0.3	<0.1	59	0.51
BM14TH070	652776	5523303	1388	10 cm	VAN14003472	0.8	14.9	6.6	59	<0.1	9.8	7.4	975	2.17	2.6	3.2	1.1	50	0.1	0.3	<0.1	59	0.41
BM14TH071	652751	5523302	1384	10 cm	VAN14003472	0.6	26	6.7	58	<0.1	16.7	9.7	473	2.93	4.8	4.4	1.6	53	0.1	0.4	<0.1	79	0.43
BM14TH072	652725	5523300	1386	10 cm	VAN14003472	1.2	20.8	7.1	72	<0.1	11.8	8.6	945	2.35	2.8	6.4	1.1	68	0.3	0.3	0.2	59	0.52
BM14TH073	652699	5523301	1386	10 cm	VAN14003472	0.7	17	6.8	72	<0.1	9.3	7.2	1119	2.18	3	1.1	1	52	0.3	0.3	0.1	59	0.51
BM14TH074	652676	5523303	1385	10 cm	VAN14003472	0.6	18.7	7	67	<0.1	12.9	8.5	861	2.52	3.2	<0.5	1.3	42	0.1	0.3	0.1	62	0.45
BM14TH075	652651	5523301	1380	10 cm	VAN14003472	0.7	36.1	7.3	72	0.1	14.9	7.5	857	2.03	2.6	0.7	0.9	123	0.4	0.3	0.1	48	1.38
BM14TH076	652623	5523299	1379	10 cm	VAN14003472	1	26.7	13.6	103	0.1	8.8	8	1493	2.27	3.7	35.6	0.8	73	0.3	0.3	0.1	50	0.94
BM14TH077	652601	5523301	1375	10 cm	VAN14003472	0.7	22.6	8.2	61	<0.1	14.4	9.6	783	2.54	3.3	0.7	1.7	48	0.1	0.3	<0.1	64	0.55
BM14TH078	652574	5523302	1370	10 cm	VAN14003472	0.9	39.8	11.5	91	0.1	14.2	13.9	2020	3.02	7.6	5.3	1	61	0.5	0.4	0.1	60	0.9
BM14TH079	652550	5523300	1363	10 cm	VAN14003472	1.2	29	8.3	74	<0.1	13.3	13.5	1132	2.8	5.7	1.4	1.3	57	0.3	0.2	0.1	53	0.79
BM14TH080	652525	5523299	1359	10 cm	VAN14003472	0.9	27.6	7.6	85	0.1	13.3	9.1	877	2.32	3.5	0.9	1	61	0.4	0.3	<0.1	58	0.84
BM14TH081	652499	5523298	1355	10 cm	VAN14003472	0.9	24.1	7.9	94	<0.1	8.7	6.3	640	1.96	3.8	1.3	0.6	66	0.4	0.3	<0.1	44	0.92
BM14TH082	652473	5523299	1341	10 cm	VAN14003472	0.9	20.4	7.7	70	<0.1	8.6	7.2	821	2.02	4.5	1.3	0.7	58	0.3	0.4	<0.1	50	0.84
BM14TH083	652448	5523299	1337	10 cm	VAN14003472	1.1	23	7.2	69	<0.1	10.2	8	842	1.99	3.3	0.7	0.8	60	0.3	0.3	<0.1	54	0.84
BM14TH084	652426	5523301	1335	10 cm	VAN14003472	0.8	37.3	7.5	134	0.2	14.3	6.5	775	1.76	3.2	1.8	0.7	118	0.4	0.3	<0.1	39	1.47
BM14TH085	652403	5523300	1330	10 cm	VAN14003472	0.6	41.5	7.5	84	0.3	16.6	6.9	579	2.12	4.3	5.5	0.8	120	0.4	0.4	<0.1	47	1.27
BM14TH086	652377	5523301	1326	10 cm	VAN14003472	0.9	28.9	6.8	54	0.2	12.1	6.8	1018	1.9	3.5	2.3	0.7	89	0.2	0.3	<0.1	50	0.84

Sample	83Z10E	83Z10N	Elevation	Depth	Certificate	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca
BM14TH087	652348	5523302	1321	10 cm	VAN14003472	1.3	23	6.4	92	0.1	12	7.3	1152	1.88	2.8	0.8	0.7	70	0.6	0.3	<0.1	49	0.7
BM14TH088	652324	5523298	1315	10 cm	VAN14003472	1.1	19.2	7.1	88	0.1	9.7	6.6	907	1.87	3.7	7.9	0.7	62	0.3	0.3	<0.1	49	0.72
BM14TH089	652301	5523304	1310	10 cm	VAN14003472	1.1	15.2	6.8	91	<0.1	7.3	5.5	1061	1.59	2.5	1.9	0.5	65	0.5	0.3	0.1	42	0.75
BM14TH090	652277	5523299	1300	10 cm	VAN14003472	0.7	12.4	6	60	0.1	7.4	5	546	1.88	3.2	6.5	1	38	<0.1	0.3	<0.1	50	0.32
BM14JT001	652253	5523500	1300	10 cm	VAN14003472	0.8	8.6	5.2	58	<0.1	5.8	3.9	633	1.61	1.9	<0.5	1	35	0.2	0.3	<0.1	44	0.29
BM14JT002	652227	5523504	1302	10 cm	VAN14003472	0.8	7.9	5.4	63	<0.1	5.4	4.2	662	1.57	2.3	5	0.9	35	0.2	0.2	<0.1	42	0.31
BM14JT003	652200	5523497	1296	10 cm	VAN14003472	0.7	10.7	5.5	71	0.1	7.7	4.6	543	1.72	2.6	3.1	0.9	42	0.1	0.2	<0.1	46	0.38
BM14JT004	652177	5523501	1279	10 cm	VAN14003472	0.9	16.2	6.2	71	0.1	9.9	6.3	825	1.88	3.3	6.2	0.6	59	0.1	0.2	<0.1	49	0.58
BM14JT005	652151	5523500	1274	10 cm	VAN14003472	0.9	40.1	8.1	83	0.4	16.2	7.4	794	2.43	4.9	8	1.2	71	0.3	0.4	0.1	48	0.78
BM14JT006	652125	5523499	1275	10 cm	VAN14003472	0.7	23.6	6.4	73	<0.1	10.9	7.1	623	2.24	3.6	2.2	1	49	0.2	0.3	<0.1	57	0.61
BM14JT007	652099	5523497	1280	10 cm	VAN14003472	0.6	15.1	5.5	80	<0.1	7.1	5	620	1.84	3	<0.5	1.2	43	0.2	0.3	<0.1	50	0.4
BM14JT008	652076	5523500	1284	10 cm	VAN14003472	0.7	20.6	7.4	59	<0.1	9.4	7.9	937	2.33	2.7	<0.5	1.4	39	0.2	0.3	<0.1	62	0.53
BM14JT009	652048	5523500	1288	10 cm	VAN14003472	0.6	12.3	5.5	59	<0.1	8.3	5.8	484	2.04	2	<0.5	1.3	28	<0.1	0.3	<0.1	55	0.28
BM14JT010	652026	5523499	1296	10 cm	VAN14003472	0.5	10.6	6	86	<0.1	6.8	4.8	805	1.87	2.1	<0.5	1.1	32	0.2	0.3	<0.1	51	0.37
BM14JT011	652002	5523499	1290	10 cm	VAN14003472	1.1	14.4	7.4	55	<0.1	8.1	6.9	623	2.28	3.7	<0.5	1.4	32	0.1	0.3	<0.1	59	0.36
BM14JT012	651975	5523500	1289	10 cm	VAN14003472	1	16.2	7.2	64	<0.1	7.4	7.2	830	2.29	3.3	<0.5	0.8	27	0.2	0.3	<0.1	53	0.35
BM14JT013	651948	5523500	1286	10 cm	VAN14003472	0.8	16.9	8.1	102	<0.1	6.5	7.1	1466	2.21	3.4	<0.5	0.8	31	0.3	0.2	<0.1	44	0.53
BM14JT014	651899	5523499	1271	10 cm	VAN14003472	0.8	30	9.1	128	0.2	6.2	7.1	2107	2.14	5.6	0.5	0.4	58	0.6	0.2	0.1	37	1.16
BM14JT015	651900	5523498	1272	10 cm	VAN14003472	1.6	25.2	8.2	87	0.3	11.5	7.7	1186	2.39	4.6	1.8	1.3	76	0.2	0.3	0.1	42	0.85
BM14JT016	651876	5523501	1278	10 cm	VAN14003472	0.6	11.1	5.3	54	<0.1	7.6	4.9	386	2.07	2.3	<0.5	1.2	30	0.1	0.3	<0.1	60	0.26
BM14JT017	651852	5523500	1275	10 cm	VAN14003472	0.6	12.3	5.2	67	<0.1	7.4	5.4	845	2.08	2.2	<0.5	1	35	0.1	0.3	<0.1	59	0.48
BM14JT018	651827	5523498	1287	10 cm	VAN14003472	0.6	7.9	5	65	<0.1	5.3	4.2	829	1.71	3	1.1	0.7	30	0.2	0.2	<0.1	46	0.38
BM14JT019	651801	5523500	1287	10 cm	VAN14003472	0.7	10	5.9	45	<0.1	6.4	4.7	628	1.75	1.8	2.6	0.7	32	0.1	0.2	<0.1	49	0.47
BM14JT020	651775	5523497	1284	10 cm	VAN14003472	0.6	12.2	5.9	70	<0.1	9.9	6.3	688	2.18	3	6	1.2	22	0.1	0.2	<0.1	49	0.33
BM14JT021	651752	5523496	1300	10 cm	VAN14003472	0.9	11.7	6.3	67	<0.1	8.2	6.6	909	2.21	2.3	<0.5	1.1	25	0.2	0.2	<0.1	49	0.45
BM14JT022	651725	5523499	1310	10 cm	VAN14003472	1.1	16.6	7.6	94	0.1	6.1	8.1	1579	2.5	3.7	<0.5	0.9	35	0.4	0.2	<0.1	39	0.91
BM14JT023	651699	5523500	1325	10 cm	VAN14003472	0.9	14.7	7.5	81	<0.1	5.1	10.3	1502	3.54	3.8	1.7	1.2	22	0.2	0.2	<0.1	45	0.44
BM14JT024	651677	5523499	1338	10 cm	VAN14003472	0.6	21.6	11.6	91	0.1	5	10.2	2741	3.62	4.3	4.9	0.9	24	0.5	0.2	0.1	44	0.65
BM14JT025	651649	5523500	1340	10 cm	VAN14003472	0.5	13.7	7.2	116	<0.1	9.3	6.7	1781	2.23	2.5	<0.5	1	20	0.3	0.1	0.1	45	0.33
BM14JT026	651626	5523502	1342	10 cm	VAN14003472	0.6	10.5	5.1	52	<0.1	7.8	5.4	571	1.96	1.8	<0.5	1.2	24	<0.1	0.2	<0.1	53	0.28
BM14JT027	651598	5523505	1338	10 cm	VAN14003472	0.7	15.5	6.2	83	<0.1	10.2	8	770	2.66	3	<0.5	1.4	21	0.2	0.2	<0.1	61	0.34
BM14JT028	651573	5523501	1330	10 cm	VAN14003472	1.2	17.2	7.7	63	<0.1	8.2	9	1307	2.51	2.4	1.5	1.3	29	0.1	0.2	<0.1	46	0.58
BM14JT029	651548	5523499	1333	10 cm	VAN14003472	1.3	18.5	8.7	94	<0.1	9.1	8.9	1432	3.02	4.6	1.3	1.1	33	0.3	0.2	0.1	62	0.72
BM14JT030	651525	5523502	1331	10 cm	VAN14003472	0.8	16.2	5.2	104	<0.1	9.3	7	1361	2.21	2.3	0.9	0.8	35	0.3	0.1	<0.1	52	0.59
BM14JT031	651500	5523494	1317	10 cm	VAN14003472	0.7	37.9	6.6	98	0.1	11.3	13.9	1590	3.48	6.5	<0.5	0.9	41	0.3	0.2	<0.1	75	0.78
BM14JT032	652249	5523402	1306	10 cm	VAN14003472	0.9	9.2	5.5	78	<0.1	6.1	4.8	901	1.74	2.4	1.6	0.9	34	0.2	0.3	<0.1	45	0.38
BM14JT033	652225	5523398	1295	10 cm	VAN14003472	0.9	8	4.9	66	<0.1	5.1	3.7	867	1.45	2.3	<0.5	0.6	33	0.2	0.2	<0.1	37	0.33
BM14JT034	652201	5523401	1292	10 cm	VAN14003472	2.4	23.7	13.2	200	0.3	8.5	7.4	5938	2.08	8	21.2	0.1	24	0.9	0.2	0.1	40	0.33
BM14JT035	652176	5523399	1279	10 cm	VAN14003472	0.9	14.5	6.8	80	<0.1	9.5	6.8	1270	2.33	4.3	2.2	1.1	24	0.2	0.3	<0.1	55	0.31
BM14JT036	652152	5523400	1273	10 cm	VAN14003472	0.9	17.3	5.8	48	0.2	9.5	7.1	800	2.21	4.1	11.9	0.6	53	0.1	0.2	<0.1	55	0.59
BM14JT037	652125	5523399	1274	10 cm	VAN14003472	0.7	49.4	6.7	85	0.6	19.6	7.1	789	2.33	4.7	5.4	0.9	88	0.5	0.4	<0.1	39	1.25
BM14JT038	652098	5523407	1267	10 cm	VAN14003472	0.8	34.8	6.8	67	0.3	14.5	6.7	634	2.28	4.6	7.8	1	53	0.3	0.4	<0.1	52	0.75
BM14JT039	652074	5523403	1272	10 cm	VAN14003472	0.8	18.7	6.8	90	0.1	9.9	7.1	882	2.18	3.2	0.7	0.7	41	0.3	0.2	<0.1	53	0.75

Sample	83Z10E	83Z10N	Elevation	Depth	Certificate	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca
BM14JT040	652050	5523399	1270	10 cm	VAN14003472	0.7	17.2	5.3	59	<0.1	10.1	6.6	406	2.53	5	1.6	1.1	32	<0.1	0.3	<0.1	68	0.39
BM14JT041	652017	5523398	1261	10 cm	VAN14003472	0.8	12.1	6.3	54	<0.1	7.6	5.7	763	2.03	3.3	47.2	1.1	34	0.1	0.3	<0.1	55	0.48
BM14JT042	652000	5523401	1263	10 cm	VAN14003472	1	12.8	5.7	39	<0.1	6.2	5.6	625	2.03	2.2	0.9	1.1	33	0.2	0.2	<0.1	51	0.63
BM14JT043	651974	5523399	1261	10 cm	VAN14003472	0.9	17.8	6.2	51	<0.1	8.5	6.6	640	2.4	3.7	1.7	1.3	30	0.2	0.3	<0.1	57	0.5
BM14JT044	651951	5523400	1259	10 cm	VAN14003472	1.1	19.3	5.4	75	<0.1	9.2	7.1	718	2.34	4.7	1.6	0.9	32	0.2	0.3	<0.1	62	0.49
BM14JT045	651924	5523399	1262	10 cm	VAN14003472	1.5	29	7.4	98	0.4	12.5	7.6	1098	2.61	6.4	44.9	0.8	80	0.3	0.4	<0.1	46	1.15
BM14JT046	651903	5523397	1264	10 cm	VAN14003472	0.9	20.6	5.1	48	0.1	10.2	6.4	363	2.7	6.4	3	1	31	<0.1	0.3	<0.1	80	0.38
BM14JT047	651873	5523401	1261	10 cm	VAN14003472	1.7	16.9	6.2	60	<0.1	8.1	7	890	2.41	4.3	2.5	1.1	46	0.2	0.2	<0.1	64	0.58
BM14JT048	651852	5523401	1273	10 cm	VAN14003472	0.7	17.8	5.2	51	<0.1	10	6	266	2.69	5	5.6	1.3	32	<0.1	0.4	<0.1	77	0.4
BM14JT049	651824	5523397	1262	10 cm	VAN14003472	0.9	15.5	5.8	50	<0.1	7.7	5.9	750	2.31	3	2.1	1.1	39	<0.1	0.2	<0.1	64	0.56
BM14JT050	651797	5523399	1272	10 cm	VAN14003472	1.9	16.9	7.2	55	0.1	7.9	6.8	883	2.03	4.1	<0.5	0.8	41	0.1	0.2	<0.1	49	0.73
BM14JT051	651775	5523396	1273	10 cm	VAN14003472	1.4	20.3	7.3	66	<0.1	9.1	7.9	984	2.31	4.9	0.6	1	40	0.2	0.2	<0.1	57	0.69
BM14JT052	651747	5523400	1285	10 cm	VAN14003472	1.2	21.2	8.2	60	<0.1	9	7.7	949	2.22	5.7	2.2	0.9	48	0.3	0.3	0.2	51	0.81
BM14JT053	651724	5523408	1305	10 cm	VAN14003472	1	19.7	8.3	80	<0.1	10.1	8.5	1248	2.43	3.9	<0.5	1.4	40	0.3	0.3	0.1	58	0.56
BM14JT054	651698	5523401	1316	10 cm	VAN14003472	0.7	16.7	6.2	101	<0.1	8.5	6.7	1051	2.12	2.7	1.1	1.3	35	0.5	0.2	0.1	52	0.52
BM14JT055	651676	5523398	1325	10 cm	VAN14003472	1	23.5	9.4	67	0.1	6.9	7.9	1548	2.28	4	1.8	0.6	41	0.4	0.2	0.1	43	1.1
BM14JT056	651649	5523401	1326	10 cm	VAN14003472	1	16.6	8.7	78	<0.1	8.9	8.5	1878	2.38	4	<0.5	0.9	33	0.2	0.3	0.1	54	0.54
BM14JT057	651624	5523402	1328	10 cm	VAN14003472	1	13.7	11.6	87	<0.1	6.1	8.4	905	2.94	3.6	0.8	1.1	28	0.2	0.2	0.3	38	0.45
BM14JT058	651600	5523400	1333	10 cm	VAN14003472	1	22	9.3	90	<0.1	9.5	9.4	1409	2.68	4.6	1	1.2	39	0.2	0.2	0.1	54	0.56
BM14JT059	651573	5523401	1326	10 cm	VAN14003472	1	22.2	7.8	77	<0.1	10.2	8.5	1176	2.27	3.1	1.3	1.2	44	0.2	0.3	<0.1	56	0.62
BM14JT060	651553	5523397	1320	10 cm	VAN14003472	1	17.9	6.8	58	<0.1	12.6	8.4	904	2.56	2.7	2.9	1.3	41	0.2	0.3	0.1	65	0.44
BM14JT063	651472	5523394	1320	10 cm	VAN14003472	1.1	15	8	83	<0.1	9	7.3	1269	2.36	3	1	1.3	36	0.2	0.3	0.1	56	0.47
BM14JT064	651500	5523300	1317	10 cm	VAN14003472	1.5	27.4	8.6	82	0.2	8.3	10.7	1509	2.91	11.8	2.8	0.5	48	0.3	0.4	<0.1	55	0.8
BM14JT065	651526	5523299	1314	10 cm	VAN14003472	4.8	22.3	14.9	139	0.2	2.9	14.3	2882	2.6	20.3	5.5	0.2	52	0.7	0.4	0.3	18	0.93
BM14JT066	651550	5523303	1315	10 cm	VAN14003472	1.3	20.2	7.4	81	0.1	9.9	8.7	983	2.31	3.8	197.9	1.1	41	0.2	0.3	<0.1	59	0.62
BM14JT067	651572	5523299	1317	10 cm	VAN14003472	1.5	27.1	9	98	0.1	11.8	10.5	1370	2.64	5.4	0.6	1.1	49	0.3	0.3	0.1	64	0.68
BM14JT068	651597	5523292	1321	10 cm	VAN14003472	1.3	27.5	8.3	80	0.1	11.7	10	1163	2.45	4.3	1.8	1.2	50	0.3	0.3	0.1	57	0.68
BM14JT069	651627	5523298	1323	10 cm	VAN14003472	1.1	22.5	9.2	90	0.1	10.4	9.6	1421	2.74	4.9	0.6	1.6	36	0.3	0.3	0.1	63	0.56
BM14JT070	651651	5523301	1319	10 cm	VAN14003472	1.3	17.9	9.2	81	<0.1	8.5	8.2	1289	2.51	4	<0.5	1.6	40	0.2	0.3	<0.1	54	0.66
BM14JT071	651675	5523303	1315	10 cm	VAN14003472	1	15.4	7.9	85	<0.1	6.6	6.6	1190	2	3.8	0.9	0.9	40	0.3	0.2	<0.1	44	0.73
BM14JT072	651699	5523302	1309	10 cm	VAN14003472	1	14.3	7.6	58	<0.1	8.3	6.1	816	2.09	2.7	3.9	1.3	36	0.3	0.2	<0.1	54	0.46
BM14JT073	651728	5523300	1301	10 cm	VAN14003472	0.9	16.1	6.8	58	<0.1	9	6.6	796	2.05	2.6	<0.5	0.8	36	0.2	0.2	<0.1	53	0.59
BM14JT074	651749	5523299	1284	10 cm	VAN14003472	0.7	15.3	5.9	74	<0.1	7.8	5.5	717	2.04	2.8	0.6	0.9	36	0.2	0.2	<0.1	55	0.48
BM14JT075	651771	5523300	1278	10 cm	VAN14003472	1	15.5	7.3	69	<0.1	7.7	6	955	1.92	2.8	1.3	0.8	49	0.1	0.3	<0.1	50	0.71
BM14JT076	651797	5523299	1266	10 cm	VAN14003472	0.7	15.4	5.5	55	<0.1	9.1	6.2	544	2.23	2.8	0.7	1.4	34	0.2	0.2	<0.1	61	0.4
BM14JT077	651825	5523304	1261	10 cm	VAN14003472	1	48.8	7.5	77	0.3	12.1	6.7	1116	2.31	3.1	4.8	1.2	56	0.3	0.3	<0.1	53	1.02
BM14JT078	651852	5523301	1243	10 cm	VAN14003472	1.7	71.3	8.7	92	0.6	17.1	7.5	1861	2.45	4.6	2.8	1.3	96	0.4	0.4	0.1	47	1.3
BM14JT079	651877	5523295	1240	10 cm	VAN14003472	1.5	21.4	8.3	76	0.2	8.7	6.8	656	2.12	5	1.6	0.3	61	0.2	0.2	<0.1	48	0.56
BM14JT080	651902	5523302	1250	10 cm	VAN14003472	1.2	49	7.5	107	0.6	17	5.9	675	2.24	5	3.5	1	116	0.3	0.4	0.1	34	1.28
BM14JT081	651926	5523302	1248	10 cm	VAN14003472	1.1	23.7	7.2	108	0.2	10.9	7.7	1020	2.16	3.7	0.9	0.4	65	0.3	0.2	<0.1	51	0.71
BM14JT082	651950	5523301	1252	10 cm	VAN14003472	1.7	14.9	6	71	<0.1	7.3	6	870	1.85	4.6	1.2	0.4	60	0.2	0.2	<0.1	46	0.73
BM14JT083	651975	5523297	1257	10 cm	VAN14003472	0.6	10.1	5.6	55	<0.1	6.5	5	828	1.79	2.4	1.4	1	34	0.1	0.3	<0.1	45	0.33
BM14JT084	651998	5523303	1262	10 cm	VAN14003472	0.9	9.9	6.3	82	<0.1	7.4	5.1	929	1.85	2.6	7.8	0.9	29	0.1	0.3	<0.1	47	0.28

Sample	83Z10E	83Z10N	Elevation	Depth	Certificate	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm Ni	ppm Co	ppm Mn	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca
BM14JT085	652028	5523300	1260	10 cm	VAN14003472	0.7	9	5.7	81	<0.1	6.4	5	809	1.75	2.5	2.4	0.8	27	<0.1	0.3	<0.1	44	0.26
BM14JT086	652052	5523299	1262	10 cm	VAN14003472	0.7	15.7	6.7	58	<0.1	9.2	6.5	328	2.29	2.4	2.3	1.6	48	<0.1	0.3	<0.1	59	0.44
BM14JT087	652074	5523300	1268	10 cm	VAN14003472	1.3	24.1	7.2	65	0.1	9.3	6.9	971	1.97	4.4	4.1	0.6	68	0.2	0.2	<0.1	46	0.65
BM14JT088	652105	5523304	1266	10 cm	VAN14003472	1	22.4	8.7	74	0.1	8.9	7.6	1160	1.98	4.7	7.5	0.8	74	0.2	0.2	<0.1	45	0.9
BM14JT089	652123	5523300	1272	10 cm	VAN14003472	0.9	23.1	8.2	60	0.1	10.7	7.2	868	2.08	4.4	9.8	0.8	57	0.2	0.3	<0.1	46	0.71
BM14JT090	652149	5523303	1271	10 cm	VAN14003472	1.2	35	7	90	0.3	13	5.8	880	1.73	3.2	10.2	0.5	83	0.4	0.3	0.1	33	1.13
BM14JT091	652176	5523300	1271	10 cm	VAN14003472	0.9	25.2	6.3	55	0.2	12.6	7.8	823	2.22	3	5.3	1.1	52	0.2	0.2	0.1	51	0.59
BM14JT092	652200	5523301	1277	10 cm	VAN14003472	0.9	10.3	6.3	39	<0.1	5.4	4.4	853	1.48	1.7	1.8	0.7	39	<0.1	0.2	<0.1	37	0.42
BM14JT093	652225	5523299	1285	10 cm	VAN14003472	0.9	15.3	6.2	54	0.1	7.9	6.1	856	1.96	3.4	5.6	0.8	42	0.2	0.3	<0.1	49	0.43
BM14JT094	652262	5523297	1297	10 cm	VAN14003472	1	15	5.8	45	<0.1	9.1	5.8	328	2.38	5.9	18	1.3	35	<0.1	0.5	<0.1	64	0.31

Sample	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
BM14TH001	0.077	18	13	0.31	293	0.057	4	1.32	0.008	0.26	<0.1	0.03	3.5	<0.1	0.07	4	<0.5	<0.2
BM14TH002	0.074	21	16	0.32	228	0.069	3	1.48	0.009	0.21	<0.1	0.04	4.4	<0.1	0.06	5	<0.5	<0.2
BM14TH003	0.072	13	11	0.26	256	0.051	4	1.18	0.01	0.19	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
BM14TH004	0.045	18	12	0.27	274	0.063	4	1.09	0.009	0.2	<0.1	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
BM14TH005	0.06	24	11	0.34	317	0.041	1	1.33	0.007	0.2	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
BM14TH006	0.127	7	14	0.31	464	0.064	3	1.27	0.01	0.23	<0.1	0.08	2.4	<0.1	0.05	4	<0.5	<0.2
BM14TH007	0.025	10	14	0.28	219	0.084	2	1.21	0.011	0.12	<0.1	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH008	0.055	9	14	0.28	215	0.089	2	1.23	0.011	0.13	<0.1	0.06	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH009	0.026	21	16	0.32	154	0.068	2	1.84	0.017	0.11	<0.1	0.03	4.7	<0.1	<0.05	5	0.5	<0.2
BM14TH010	0.055	16	15	0.28	272	0.083	3	1.26	0.01	0.18	<0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
BM14TH011	0.073	16	14	0.36	375	0.055	4	1.65	0.008	0.24	<0.1	0.06	5	<0.1	0.08	5	<0.5	<0.2
BM14TH012	0.065	26	14	0.35	295	0.056	3	1.42	0.007	0.17	<0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
BM14TH013	0.138	29	10	0.3	352	0.025	6	1.27	0.006	0.19	<0.1	0.08	2.7	<0.1	0.13	4	<0.5	<0.2
BM14TH014	0.054	21	19	0.38	279	0.087	2	1.54	0.011	0.22	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH015	0.065	13	22	0.36	317	0.106	2	1.55	0.013	0.2	<0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH016	0.037	15	15	0.27	230	0.087	3	1.18	0.011	0.15	<0.1	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH017	0.023	9	15	0.23	176	0.086	2	1.22	0.013	0.15	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH018	0.066	14	17	0.31	324	0.081	3	1.67	0.01	0.17	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14TH019	0.029	10	16	0.29	237	0.096	3	1.27	0.011	0.14	<0.1	0.04	4	<0.1	<0.05	4	<0.5	<0.2
BM14TH020	0.062	11	17	0.3	282	0.069	4	1.25	0.009	0.19	<0.1	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH021	0.084	35	19	0.33	287	0.033	3	2.39	0.012	0.13	<0.1	0.09	6.6	<0.1	0.06	6	0.8	<0.2
BM14TH022	0.031	8	17	0.31	181	0.088	3	1.22	0.011	0.13	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH023	0.097	11	13	0.25	481	0.058	3	1.68	0.011	0.12	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH024	0.051	8	19	0.3	215	0.096	2	1.43	0.012	0.14	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH025	0.06	5	15	0.26	252	0.082	1	1.31	0.012	0.1	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH026	0.04	6	13	0.23	160	0.089	1	0.91	0.011	0.11	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
BM14TH027	0.033	9	13	0.21	172	0.091	3	1.04	0.017	0.11	<0.1	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH028	0.044	9	22	0.45	137	0.118	1	1.28	0.016	0.1	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH029	0.032	8	13	0.22	199	0.088	2	0.86	0.013	0.12	<0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH030	0.034	10	15	0.26	126	0.096	2	0.88	0.018	0.11	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2
BM14TH031	0.039	12	18	0.32	183	0.073	1	1.31	0.015	0.07	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH032	0.06	8	15	0.28	172	0.081	2	1.42	0.011	0.12	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14TH033	0.117	9	17	0.34	455	0.075	2	1.54	0.01	0.17	<0.1	0.05	3.3	<0.1	<0.05	6	0.6	<0.2
BM14TH034	0.04	11	18	0.32	242	0.095	2	1.45	0.011	0.18	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14TH035	0.094	10	15	0.32	245	0.072	3	1.32	0.01	0.22	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH036	0.059	10	14	0.3	218	0.075	3	1.38	0.009	0.15	<0.1	0.03	4	<0.1	<0.05	5	<0.5	<0.2
BM14TH037	0.08	8	16	0.31	250	0.085	<1	1.44	0.01	0.14	<0.1	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
BM14TH038	0.069	10	16	0.34	292	0.078	2	1.53	0.009	0.18	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH039	0.054	7	15	0.29	289	0.067	2	1.21	0.012	0.11	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH040	0.046	7	17	0.22	235	0.064	2	0.93	0.009	0.16	<0.1	0.05	3	<0.1	<0.05	3	<0.5	<0.2
BM14TH041	0.044	53	26	0.42	511	0.042	<1	4.07	0.027	0.1	<0.1	0.04	10.9	<0.1	<0.05	10	<0.5	<0.2
BM14TH042	0.031	12	20	0.36	261	0.097	<1	1.49	0.014	0.12	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
BM14TH043	0.032	9	17	0.29	266	0.098	1	1.22	0.012	0.14	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2

Sample	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
BM14TH044	0.036	10	18	0.31	265	0.105	1	1.39	0.013	0.16	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH045	0.035	10	19	0.36	165	0.116	1	1.32	0.013	0.17	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14TH046	0.041	10	15	0.26	320	0.087	1	1.08	0.012	0.15	<0.1	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
BM14TH047	0.052	16	16	0.33	259	0.079	<1	1.29	0.011	0.18	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH048	0.074	14	18	0.37	289	0.061	5	1.53	0.01	0.21	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH049	0.07	14	19	0.37	325	0.072	2	1.63	0.011	0.23	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH050	0.063	13	18	0.35	247	0.071	2	1.44	0.019	0.17	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH051	0.073	22	17	0.33	330	0.043	2	1.76	0.012	0.13	<0.1	0.04	3.6	<0.1	0.05	5	<0.5	<0.2
BM14TH052	0.063	8	14	0.28	250	0.069	3	1.09	0.011	0.12	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH053	0.039	8	9	0.24	253	0.044	3	0.89	0.008	0.14	0.1	0.06	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14TH054	0.071	12	13	0.25	251	0.07	2	1.18	0.01	0.17	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH055	0.031	6	10	0.16	247	0.078	<1	0.85	0.012	0.12	<0.1	0.03	2	<0.1	<0.05	3	<0.5	<0.2
BM14TH056	0.045	8	15	0.24	161	0.102	<1	1.02	0.012	0.15	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH057	0.044	7	12	0.19	158	0.093	<1	1.05	0.014	0.11	<0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14TH058	0.035	12	13	0.21	168	0.075	1	1.08	0.013	0.11	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH059	0.038	8	12	0.21	181	0.078	<1	0.86	0.011	0.16	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
BM14TH060	0.026	7	11	0.18	195	0.08	<1	0.86	0.012	0.13	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
BM14TH061	0.023	14	18	0.33	184	0.1	<1	1.27	0.012	0.14	<0.1	0.03	4	<0.1	<0.05	4	<0.5	<0.2
BM14TH062	0.049	16	17	0.33	338	0.09	<1	1.43	0.011	0.19	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14TH063	0.1	12	18	0.33	370	0.088	<1	1.86	0.011	0.14	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
BM14TH064	0.054	7	13	0.24	234	0.089	<1	1.26	0.012	0.11	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH065	0.032	24	15	0.3	158	0.049	<1	1.81	0.016	0.06	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14TH066	0.028	13	14	0.27	185	0.079	<1	1.37	0.013	0.08	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH067	0.031	12	15	0.28	264	0.091	1	1.33	0.011	0.13	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH068	0.038	16	20	0.37	222	0.092	1	1.54	0.011	0.15	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH069	0.057	10	19	0.36	250	0.083	<1	1.35	0.014	0.18	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH070	0.037	8	17	0.32	252	0.103	<1	1.38	0.011	0.18	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
BM14TH071	0.043	12	27	0.57	160	0.125	<1	1.91	0.016	0.14	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
BM14TH072	0.075	12	20	0.39	256	0.099	3	1.65	0.01	0.3	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
BM14TH073	0.06	9	17	0.31	240	0.093	4	1.19	0.011	0.18	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14TH074	0.072	11	22	0.4	192	0.102	3	1.88	0.011	0.17	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH075	0.067	24	20	0.37	245	0.062	3	1.98	0.015	0.13	0.4	0.05	5.7	<0.1	0.06	5	<0.5	<0.2
BM14TH076	0.111	23	15	0.31	381	0.049	3	1.57	0.009	0.2	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH077	0.043	17	24	0.4	264	0.104	1	1.9	0.014	0.23	0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
BM14TH078	0.131	20	23	0.45	423	0.057	3	2.06	0.01	0.26	0.2	0.04	7.7	<0.1	<0.05	6	<0.5	<0.2
BM14TH079	0.068	19	20	0.35	284	0.069	3	1.56	0.011	0.21	0.2	0.05	6.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH080	0.067	14	21	0.39	260	0.077	4	1.54	0.014	0.25	0.2	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH081	0.093	16	13	0.32	248	0.05	2	1.43	0.011	0.17	0.3	0.04	3.3	<0.1	0.07	4	<0.5	<0.2
BM14TH082	0.068	13	13	0.28	183	0.065	3	1.3	0.01	0.15	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH083	0.043	14	16	0.32	169	0.072	2	1.4	0.015	0.1	0.4	0.03	4	<0.1	<0.05	4	<0.5	<0.2
BM14TH084	0.066	19	15	0.33	291	0.048	4	1.66	0.011	0.19	0.3	0.07	4	<0.1	0.08	4	<0.5	<0.2
BM14TH085	0.098	28	18	0.38	337	0.039	3	2.19	0.016	0.15	0.2	0.06	6.4	<0.1	0.07	5	<0.5	<0.2
BM14TH086	0.056	20	15	0.3	244	0.064	3	1.4	0.014	0.14	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2

Sample	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
BM14TH087	0.048	15	16	0.29	217	0.083	2	1.19	0.014	0.21	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH088	0.055	13	15	0.28	197	0.075	2	1.17	0.012	0.17	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH089	0.051	9	12	0.22	226	0.069	3	0.97	0.011	0.16	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
BM14TH090	0.056	11	13	0.21	206	0.083	1	1.18	0.013	0.13	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
BM14JT001	0.027	9	11	0.18	183	0.085	2	0.85	0.013	0.12	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14JT002	0.04	8	11	0.2	195	0.076	1	0.96	0.014	0.11	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM14JT003	0.069	9	13	0.22	224	0.081	1	1.14	0.014	0.11	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT004	0.087	13	16	0.29	256	0.075	3	1.4	0.015	0.14	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT005	0.093	43	21	0.39	274	0.041	2	2.46	0.012	0.31	<0.1	0.05	7.9	<0.1	<0.05	6	<0.5	<0.2
BM14JT006	0.072	11	17	0.3	193	0.081	2	1.34	0.014	0.12	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT007	0.145	7	13	0.21	271	0.079	2	1.09	0.013	0.11	<0.1	0.02	3	<0.1	<0.05	4	<0.5	<0.2
BM14JT008	0.028	14	18	0.3	191	0.104	2	1.51	0.014	0.17	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT009	0.042	8	16	0.27	173	0.098	<1	1.42	0.015	0.12	0.2	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT010	0.06	6	14	0.22	221	0.092	1	1.17	0.013	0.1	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT011	0.025	11	16	0.27	212	0.101	<1	1.22	0.013	0.13	<0.1	0.02	4.1	<0.1	<0.05	4	0.5	<0.2
BM14JT012	0.038	12	14	0.29	209	0.065	1	1.31	0.011	0.11	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT013	0.144	15	11	0.3	295	0.05	2	1.6	0.011	0.14	0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT014	0.146	25	10	0.26	322	0.038	2	1.64	0.011	0.12	0.2	0.06	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT015	0.042	27	16	0.34	348	0.044	1	2.15	0.012	0.14	0.2	0.05	6.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT016	0.027	6	15	0.25	191	0.1	1	1.22	0.014	0.08	<0.1	<0.01	3	<0.1	<0.05	4	<0.5	<0.2
BM14JT017	0.066	6	15	0.22	219	0.089	4	1.11	0.012	0.15	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT018	0.068	5	12	0.16	220	0.063	3	0.87	0.012	0.08	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
BM14JT019	0.025	6	12	0.18	222	0.063	3	1.05	0.012	0.08	<0.1	0.03	2	<0.1	<0.05	4	<0.5	<0.2
BM14JT020	0.066	9	16	0.27	190	0.068	3	1.73	0.012	0.13	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
BM14JT021	0.054	9	14	0.25	243	0.069	3	1.57	0.014	0.11	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT022	0.114	15	9	0.26	390	0.044	4	1.71	0.02	0.15	<0.1	0.05	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14JT023	0.089	20	8	0.42	201	0.046	<1	2.06	0.013	0.13	0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
BM14JT024	0.152	27	7	0.43	313	0.045	3	2.18	0.009	0.17	0.2	0.05	6	<0.1	<0.05	6	<0.5	<0.2
BM14JT025	0.262	6	13	0.24	426	0.06	3	2.28	0.015	0.1	<0.1	0.04	2.6	<0.1	<0.05	7	<0.5	<0.2
BM14JT026	0.031	5	15	0.25	185	0.09	3	1.08	0.011	0.1	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT027	0.072	9	17	0.32	263	0.078	2	1.81	0.011	0.16	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT028	0.032	16	13	0.26	257	0.065	2	1.76	0.013	0.15	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT029	0.09	11	16	0.32	336	0.058	2	1.92	0.012	0.11	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT030	0.072	6	15	0.29	244	0.076	2	1.49	0.014	0.1	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT031	0.108	11	15	0.47	281	0.059	4	1.87	0.011	0.2	<0.1	0.05	6.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT032	0.036	8	12	0.18	217	0.078	2	0.96	0.012	0.17	<0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14JT033	0.034	8	10	0.15	228	0.064	3	1	0.013	0.1	<0.1	0.02	2	<0.1	<0.05	3	<0.5	<0.2
BM14JT034	0.245	21	12	0.17	561	0.021	3	1.99	0.009	0.12	<0.1	0.09	0.6	<0.1	<0.05	7	<0.5	<0.2
BM14JT035	0.079	10	16	0.24	310	0.075	2	1.44	0.016	0.12	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT036	0.048	15	16	0.25	225	0.066	4	1.39	0.014	0.12	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT037	0.096	46	21	0.42	330	0.026	4	2.87	0.016	0.2	<0.1	0.08	7.7	<0.1	<0.05	7	0.5	<0.2
BM14JT038	0.06	25	18	0.34	229	0.047	2	1.98	0.015	0.15	<0.1	0.05	5.6	<0.1	<0.05	5	0.7	<0.2
BM14JT039	0.054	11	16	0.28	230	0.069	4	1.78	0.018	0.16	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2

Sample	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
BM14JT040	0.064	8	18	0.33	146	0.081	3	1.21	0.011	0.14	<0.1	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT041	0.027	7	14	0.22	226	0.08	2	1.26	0.019	0.11	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
BM14JT042	0.016	10	13	0.21	182	0.072	2	1.31	0.014	0.13	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT043	0.024	13	17	0.25	193	0.079	1	1.49	0.016	0.09	<0.1	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT044	0.093	9	17	0.28	172	0.073	2	1.24	0.012	0.14	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT045	0.083	23	18	0.36	332	0.04	4	2.31	0.014	0.17	<0.1	0.07	6.2	<0.1	<0.05	6	0.7	<0.2
BM14JT046	0.062	9	20	0.34	146	0.078	2	1.34	0.012	0.09	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT047	0.055	10	16	0.25	237	0.075	3	1.25	0.012	0.17	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT048	0.085	7	19	0.35	172	0.088	2	1.27	0.016	0.1	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT049	0.056	8	16	0.24	245	0.078	3	1.23	0.017	0.09	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT050	0.046	13	14	0.25	202	0.062	4	1.4	0.011	0.15	<0.1	0.05	3.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT051	0.038	13	16	0.28	227	0.072	4	1.4	0.011	0.18	<0.1	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT052	0.056	17	15	0.3	233	0.068	2	1.52	0.011	0.19	0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT053	0.07	15	17	0.32	309	0.094	2	1.65	0.011	0.18	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT054	0.058	10	15	0.26	286	0.09	2	1.31	0.012	0.17	<0.1	0.01	4	<0.1	<0.05	4	<0.5	<0.2
BM14JT055	0.096	21	11	0.31	236	0.051	2	1.56	0.009	0.15	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14JT056	0.089	14	14	0.29	278	0.072	<1	1.73	0.011	0.13	0.1	0.06	3.6	<0.1	<0.05	5	0.6	<0.2
BM14JT057	0.092	15	7	0.23	403	0.037	2	1.79	0.017	0.15	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14JT058	0.074	19	16	0.32	285	0.082	2	2.04	0.01	0.19	<0.1	0.03	5	<0.1	<0.05	5	<0.5	<0.2
BM14JT059	0.037	17	18	0.32	276	0.087	1	1.72	0.011	0.16	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT060	0.028	10	21	0.39	227	0.107	2	1.67	0.012	0.13	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM14JT063	0.052	11	16	0.3	333	0.091	2	1.48	0.013	0.14	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT064	0.116	17	14	0.34	383	0.05	3	1.42	0.011	0.17	<0.1	0.04	4.3	<0.1	<0.05	4	0.5	<0.2
BM14JT065	0.187	18	3	0.12	549	0.009	2	0.96	0.005	0.16	0.2	0.05	1.5	<0.1	0.06	3	<0.5	<0.2
BM14JT066	0.049	14	18	0.31	223	0.092	3	1.56	0.011	0.18	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT067	0.091	16	21	0.38	318	0.095	3	1.93	0.011	0.22	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
BM14JT068	0.06	20	19	0.33	300	0.087	2	1.98	0.012	0.19	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
BM14JT069	0.087	18	18	0.34	301	0.1	2	1.98	0.012	0.16	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
BM14JT070	0.087	15	14	0.32	282	0.079	3	1.83	0.012	0.18	<0.1	0.04	4	<0.1	<0.05	5	<0.5	<0.2
BM14JT071	0.069	11	11	0.26	226	0.07	3	1.13	0.009	0.2	0.2	0.05	3	<0.1	<0.05	4	<0.5	<0.2
BM14JT072	0.027	9	14	0.25	239	0.095	2	1.24	0.014	0.12	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT073	0.032	9	15	0.27	211	0.087	2	1.41	0.016	0.11	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT074	0.084	7	14	0.24	229	0.079	3	1.19	0.016	0.12	<0.1	0.03	3	<0.1	<0.05	4	<0.5	<0.2
BM14JT075	0.062	7	14	0.25	280	0.078	3	1.1	0.012	0.1	0.1	0.06	2.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT076	0.063	8	17	0.29	186	0.097	2	1.22	0.016	0.1	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT077	0.044	30	16	0.3	223	0.068	3	1.95	0.02	0.1	<0.1	0.05	5.2	<0.1	<0.05	5	0.6	<0.2
BM14JT078	0.068	28	19	0.37	387	0.057	3	2.6	0.021	0.12	<0.1	0.08	8	<0.1	<0.05	6	0.7	<0.2
BM14JT079	0.091	12	14	0.3	226	0.049	2	1.49	0.014	0.14	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
BM14JT080	0.093	30	19	0.38	385	0.034	3	2.77	0.012	0.37	<0.1	0.06	7.4	<0.1	<0.05	6	<0.5	<0.2
BM14JT081	0.153	10	17	0.35	322	0.062	2	1.62	0.012	0.17	<0.1	0.03	3	<0.1	<0.05	4	<0.5	<0.2
BM14JT082	0.105	8	13	0.27	276	0.062	3	1.04	0.011	0.15	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14JT083	0.036	7	12	0.21	225	0.082	1	1.04	0.016	0.12	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT084	0.11	7	13	0.25	215	0.069	1	1.28	0.015	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2

Sample	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
BM14JT085	0.098	6	11	0.21	224	0.064	1	1.18	0.012	0.09	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT086	0.018	14	16	0.27	202	0.079	1	1.33	0.02	0.09	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT087	0.058	13	14	0.25	236	0.058	2	1.38	0.015	0.09	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT088	0.099	13	13	0.26	349	0.056	3	1.28	0.014	0.14	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT089	0.048	14	15	0.31	190	0.061	2	1.58	0.014	0.12	<0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14JT090	0.071	25	14	0.29	270	0.035	4	1.62	0.01	0.18	<0.1	0.08	4	<0.1	0.09	4	<0.5	<0.2
BM14JT091	0.025	20	19	0.36	188	0.085	3	1.6	0.015	0.14	<0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT092	0.022	9	9	0.17	203	0.061	3	0.82	0.008	0.11	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14JT093	0.027	14	14	0.25	192	0.077	2	1.07	0.012	0.15	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
BM14JT094	0.025	11	17	0.29	124	0.086	1	1.05	0.014	0.1	<0.1	0.02	4.2	<0.1	<0.05	3	<0.5	<0.2

651,250 mE | 651,500 mE | 651,750 mE | 652,000 mE | 652,250 mE | 652,500 mE | 652,750 mE | 653,000 mE | 653,2

5,524,000 mN | 5,523,750 mN | 5,523,500 mN | 5,523,250 mN | 5,523,000 mN

MN

rhyolite
dacite
andesite

2014 Grid Soils
+23 ppb Au
14 to 23 ppb Au
10 to 14 ppb Au

2007 Showing

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TH063, <0.5, 3.3
TH062, 0.8, 4.6
TH061, 4, 1.8

Mammoth Geological Ltd.

Date: 2014-11-21	BM Property 2014 Soil Samples Number, ppb Au, ppm As
Author: Henneberry	
Office:	
Figure 7	
Scale: 1:5000	Projection: UTM Zone 10 (NAD 83)

0 | 50 | 100 | 200
metres

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PHONE (604) 253-3158

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: October 22, 2014
Report Date: November 15, 2014
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN14003472.1

CLIENT JOB INFORMATION

Project: BM
Shipment ID:
P.O. Number
Number of Samples: 186

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	182	Dry at 60C			VAN
SS80	182	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	186	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DISP2	186	Heat treatment of Soils and Sediments			VAN

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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

Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 001	Soil	0.6	22.9	10.3	84	0.1	8.8	7.7	997	2.20	4.4	1.1	0.6	58	0.4	0.4	0.1	48	0.76	0.077	18
BM14TH 002	Soil	0.8	22.5	9.2	90	0.1	9.0	8.3	936	2.27	4.0	2.3	0.7	59	0.4	0.4	0.1	58	0.71	0.074	21
BM14TH 003	Soil	0.9	18.5	8.6	90	<0.1	6.7	7.3	1133	2.05	3.8	1.8	0.4	57	0.5	0.4	<0.1	43	0.67	0.072	13
BM14TH 004	Soil	0.7	18.6	9.4	84	<0.1	7.2	7.5	1059	2.33	3.6	0.7	1.0	46	0.5	0.4	0.1	49	0.61	0.045	18
BM14TH 005	Soil	0.7	19.2	11.7	80	<0.1	7.0	9.1	1269	2.40	2.6	<0.5	0.6	49	0.4	0.2	0.1	44	0.67	0.060	24
BM14TH 006	Soil	0.7	21.4	10.4	105	<0.1	9.4	6.9	1727	1.83	3.0	1.1	0.4	57	0.4	0.3	0.1	50	0.91	0.127	7
BM14TH 007	Soil	0.8	14.6	7.3	43	<0.1	8.5	7.0	1253	1.92	1.8	<0.5	1.0	50	0.1	0.3	<0.1	50	0.58	0.025	10
BM14TH 008	Soil	0.7	13.7	7.2	57	<0.1	7.9	6.9	846	2.06	2.9	1.6	0.9	40	0.1	0.4	<0.1	58	0.54	0.055	9
BM14TH 009	Soil	0.7	24.3	6.7	56	0.1	11.4	7.9	439	2.27	2.5	1.4	1.0	67	0.3	0.3	<0.1	57	0.83	0.026	21
BM14TH 010	Soil	0.6	21.3	7.7	68	<0.1	8.9	8.7	865	2.38	3.3	0.8	1.0	46	0.2	0.3	<0.1	59	0.54	0.055	16
BM14TH 011	Soil	0.9	28.1	10.6	91	<0.1	10.2	10.7	1447	2.59	2.5	0.6	0.8	53	0.6	0.2	0.1	52	1.06	0.073	16
BM14TH 012	Soil	0.7	22.3	12.1	74	<0.1	8.8	9.1	1161	2.46	4.3	2.7	1.0	47	0.3	0.3	<0.1	52	0.86	0.065	26
BM14TH 013	Soil	0.9	29.4	12.9	140	0.1	7.1	7.2	1468	1.58	1.9	1.9	0.3	94	0.9	0.2	0.1	27	1.79	0.138	29
BM14TH 014	Soil	0.9	24.8	8.4	70	<0.1	11.5	9.7	988	2.55	3.2	0.9	1.0	47	0.3	0.3	0.1	61	0.68	0.054	21
BM14TH 015	Soil	0.6	22.3	7.3	93	<0.1	13.3	9.0	1187	2.51	3.1	2.0	1.1	51	0.3	0.3	<0.1	65	0.62	0.065	13
BM14TH 016	Soil	1.1	17.3	7.3	52	<0.1	8.5	6.5	1002	1.76	2.4	1.1	0.9	57	0.1	0.2	<0.1	51	0.65	0.037	15
BM14TH 017	Soil	0.9	12.6	6.2	45	<0.1	7.9	6.7	1194	1.92	1.9	0.9	0.8	43	0.1	0.2	<0.1	53	0.40	0.023	9
BM14TH 018	Soil	0.9	22.2	9.5	84	<0.1	9.8	7.8	1234	2.21	3.6	5.6	0.7	58	0.2	0.3	<0.1	60	0.62	0.066	14
BM14TH 019	Soil	0.7	16.7	7.4	62	<0.1	9.0	7.0	956	1.97	2.8	2.1	1.2	47	0.2	0.3	<0.1	55	0.51	0.029	10
BM14TH 020	Soil	0.8	21.9	8.7	79	<0.1	10.3	8.3	1218	2.20	4.1	4.8	0.6	58	0.2	0.3	<0.1	56	0.66	0.062	11
BM14TH 021	Soil	0.7	43.0	8.0	58	0.3	14.2	5.4	464	1.85	3.3	2.2	0.8	129	0.4	0.4	0.1	36	1.73	0.084	35
BM14TH 022	Soil	1.0	14.7	6.3	54	<0.1	9.9	7.2	649	2.08	2.9	3.6	0.7	41	0.2	0.3	<0.1	62	0.44	0.031	8
BM14TH 023	Soil	1.1	16.7	10.7	134	<0.1	8.7	6.6	2283	2.16	3.4	1.3	0.8	48	0.4	0.3	0.1	48	0.59	0.097	11
BM14TH 024	Soil	0.9	14.9	6.6	66	<0.1	10.7	7.5	922	2.24	2.6	2.0	1.2	40	0.1	0.3	<0.1	57	0.40	0.051	8
BM14TH 025	Soil	0.8	9.7	5.7	76	<0.1	9.1	4.9	870	1.65	1.9	2.6	1.0	30	0.2	0.2	<0.1	45	0.31	0.060	5
BM14TH 026	Soil	0.9	8.4	5.4	54	<0.1	6.3	4.7	663	1.71	2.2	3.4	0.8	37	0.1	0.3	<0.1	47	0.35	0.040	6
BM14TH 027	Soil	0.8	10.0	5.4	68	<0.1	6.4	4.6	723	1.67	2.1	21.3	0.9	37	0.1	0.2	<0.1	48	0.35	0.033	9
BM14TH 028	Soil	0.7	19.4	5.1	50	<0.1	12.8	7.8	368	2.56	4.5	4.8	1.4	42	<0.1	0.4	<0.1	73	0.39	0.044	9
BM14TH 029	Soil	1.0	10.6	5.5	77	<0.1	6.8	4.5	834	1.71	2.4	3.3	0.9	43	0.2	0.2	<0.1	45	0.44	0.032	8
BM14TH 030	Soil	0.7	13.6	5.2	53	<0.1	7.5	5.2	303	2.15	4.0	4.6	1.3	36	<0.1	0.4	<0.1	61	0.34	0.034	10

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 001	Soil	13	0.31	293	0.057	4	1.32	0.008	0.26	<0.1	0.03	3.5	<0.1	0.07	4	<0.5	<0.2
BM14TH 002	Soil	16	0.32	228	0.069	3	1.48	0.009	0.21	<0.1	0.04	4.4	<0.1	0.06	5	<0.5	<0.2
BM14TH 003	Soil	11	0.26	256	0.051	4	1.18	0.010	0.19	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
BM14TH 004	Soil	12	0.27	274	0.063	4	1.09	0.009	0.20	<0.1	0.03	3.6	<0.1	<0.05	4	0.6	<0.2
BM14TH 005	Soil	11	0.34	317	0.041	1	1.33	0.007	0.20	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
BM14TH 006	Soil	14	0.31	464	0.064	3	1.27	0.010	0.23	<0.1	0.08	2.4	<0.1	0.05	4	<0.5	<0.2
BM14TH 007	Soil	14	0.28	219	0.084	2	1.21	0.011	0.12	<0.1	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH 008	Soil	14	0.28	215	0.089	2	1.23	0.011	0.13	<0.1	0.06	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 009	Soil	16	0.32	154	0.068	2	1.84	0.017	0.11	<0.1	0.03	4.7	<0.1	<0.05	5	0.5	<0.2
BM14TH 010	Soil	15	0.28	272	0.083	3	1.26	0.010	0.18	<0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
BM14TH 011	Soil	14	0.36	375	0.055	4	1.65	0.008	0.24	<0.1	0.06	5.0	<0.1	0.08	5	<0.5	<0.2
BM14TH 012	Soil	14	0.35	295	0.056	3	1.42	0.007	0.17	<0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
BM14TH 013	Soil	10	0.30	352	0.025	6	1.27	0.006	0.19	<0.1	0.08	2.7	<0.1	0.13	4	<0.5	<0.2
BM14TH 014	Soil	19	0.38	279	0.087	2	1.54	0.011	0.22	<0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH 015	Soil	22	0.36	317	0.106	2	1.55	0.013	0.20	<0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH 016	Soil	15	0.27	230	0.087	3	1.18	0.011	0.15	<0.1	0.05	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 017	Soil	15	0.23	176	0.086	2	1.22	0.013	0.15	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 018	Soil	17	0.31	324	0.081	3	1.67	0.010	0.17	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14TH 019	Soil	16	0.29	237	0.096	3	1.27	0.011	0.14	<0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
BM14TH 020	Soil	17	0.30	282	0.069	4	1.25	0.009	0.19	<0.1	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 021	Soil	19	0.33	287	0.033	3	2.39	0.012	0.13	<0.1	0.09	6.6	<0.1	0.06	6	0.8	<0.2
BM14TH 022	Soil	17	0.31	181	0.088	3	1.22	0.011	0.13	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH 023	Soil	13	0.25	481	0.058	3	1.68	0.011	0.12	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH 024	Soil	19	0.30	215	0.096	2	1.43	0.012	0.14	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 025	Soil	15	0.26	252	0.082	1	1.31	0.012	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH 026	Soil	13	0.23	160	0.089	1	0.91	0.011	0.11	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
BM14TH 027	Soil	13	0.21	172	0.091	3	1.04	0.017	0.11	<0.1	0.04	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH 028	Soil	22	0.45	137	0.118	1	1.28	0.016	0.10	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH 029	Soil	13	0.22	199	0.088	2	0.86	0.013	0.12	<0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH 030	Soil	15	0.26	126	0.096	2	0.88	0.018	0.11	<0.1	0.02	3.5	<0.1	<0.05	3	<0.5	<0.2

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 031	Soil	0.5	17.6	5.8	73	<0.1	9.1	7.0	519	2.15	2.3	4.0	0.9	47	0.1	0.3	<0.1	54	0.51	0.039	12
BM14TH 032	Soil	0.8	15.0	7.3	67	<0.1	8.3	7.4	1079	2.15	2.5	0.6	0.9	25	0.1	0.3	<0.1	53	0.24	0.060	8
BM14TH 033	Soil	1.0	25.2	11.3	129	<0.1	11.0	8.3	2204	2.27	3.7	2.3	0.6	55	0.4	0.3	0.1	53	0.60	0.117	9
BM14TH 034	Soil	0.8	17.5	7.9	68	<0.1	9.4	7.9	1100	2.32	2.8	0.8	1.0	46	0.2	0.3	0.1	59	0.43	0.040	11
BM14TH 035	Soil	1.1	19.8	7.7	87	<0.1	8.6	7.4	909	2.08	3.8	1.1	0.7	61	0.1	0.4	<0.1	56	0.61	0.094	10
BM14TH 036	Soil	0.7	17.1	7.8	63	<0.1	7.8	7.5	980	2.15	3.5	3.4	1.0	42	0.2	0.4	<0.1	57	0.53	0.059	10
BM14TH 037	Soil	0.5	14.6	8.1	75	<0.1	9.0	7.0	1324	2.14	3.2	1.9	1.3	42	0.2	0.4	0.2	54	0.50	0.080	8
BM14TH 038	Soil	0.7	15.4	8.6	86	<0.1	8.7	8.0	1791	2.27	2.4	6.2	1.0	36	0.2	0.3	0.1	55	0.48	0.069	10
BM14TH 039	Soil	0.6	13.5	7.0	99	<0.1	8.6	6.5	1341	2.14	2.1	1.0	0.9	38	0.3	0.3	<0.1	51	0.49	0.054	7
BM14TH 040	Soil	0.6	16.9	6.3	89	<0.1	9.1	7.5	1065	2.23	1.8	1.1	0.9	47	0.2	0.2	<0.1	54	0.51	0.046	7
BM14TH 041	Soil	0.3	82.0	8.2	31	0.5	33.0	6.0	278	2.59	3.4	15.0	2.2	94	0.4	0.2	0.2	41	1.02	0.044	53
BM14TH 042	Soil	0.6	18.1	7.1	69	0.1	11.9	8.1	877	2.22	2.3	<0.5	1.1	53	0.2	0.2	0.1	59	0.55	0.031	12
BM14TH 043	Soil	0.6	15.1	6.0	71	<0.1	9.7	6.9	1239	1.97	2.1	<0.5	0.9	55	0.2	0.2	<0.1	54	0.48	0.032	9
BM14TH 044	Soil	1.1	15.0	6.8	66	<0.1	10.4	6.9	872	2.00	1.8	1.2	1.1	52	0.1	0.2	<0.1	54	0.51	0.036	10
BM14TH 045	Soil	0.6	15.4	6.5	54	<0.1	10.5	7.0	610	2.16	2.5	1.6	1.3	49	0.1	0.3	<0.1	63	0.43	0.035	10
BM14TH 045B	Rock Pulp	5.1	47.6	4.1	45	<0.1	32.7	9.1	479	2.93	4.3	1.6	1.1	51	0.1	0.5	<0.1	61	1.11	0.053	5
BM14TH 046	Soil	0.6	15.7	6.5	73	<0.1	8.9	6.5	1238	1.81	2.7	0.7	1.0	64	0.2	0.3	<0.1	47	0.59	0.041	10
BM14TH 047	Soil	0.7	21.2	7.1	80	<0.1	10.0	8.5	853	2.29	3.3	0.8	0.8	60	0.3	0.3	<0.1	56	0.72	0.052	16
BM14TH 048	Soil	0.7	23.5	7.0	118	<0.1	11.8	8.3	849	2.10	4.1	<0.5	0.6	105	0.6	0.3	<0.1	48	1.28	0.074	14
BM14TH 049	Soil	1.2	22.4	8.1	90	<0.1	11.7	8.7	1000	2.30	4.0	3.3	0.6	64	0.3	0.3	<0.1	53	0.69	0.070	14
BM14TH 050	Soil	1.1	21.3	7.5	90	0.1	11.9	8.2	892	2.18	3.2	20.0	0.6	62	0.4	0.3	<0.1	50	0.75	0.063	13
BM14TH 051	Soil	1.0	35.8	7.7	83	0.2	16.1	7.9	894	2.15	3.2	1.5	0.5	87	0.3	0.3	0.1	44	1.02	0.073	22
BM14TH 052	Soil	0.8	19.5	6.3	105	0.1	9.4	7.1	1053	1.84	2.9	2.3	0.6	66	0.3	0.2	<0.1	47	0.75	0.063	8
BM14TH 053	Soil	0.7	23.9	7.3	125	<0.1	7.9	6.1	1146	1.34	2.9	2.9	0.5	116	0.5	0.2	<0.1	31	1.13	0.039	8
BM14TH 054	Soil	1.2	15.7	6.8	115	0.1	8.1	5.9	1335	1.72	2.5	1.7	0.4	51	0.4	0.3	0.1	43	0.48	0.071	12
BM14TH 055	Soil	0.7	8.1	6.3	86	<0.1	5.3	3.8	1423	1.53	2.1	3.3	0.7	35	0.2	0.3	<0.1	40	0.36	0.031	6
BM14TH 056	Soil	0.5	11.0	5.6	58	<0.1	7.2	4.7	360	2.04	2.7	7.3	1.3	37	<0.1	0.4	<0.1	54	0.31	0.045	8
BM14TH 057	Soil	0.7	9.2	5.1	58	<0.1	6.4	4.2	521	1.72	2.1	9.8	1.1	33	0.1	0.3	<0.1	47	0.23	0.044	7
BM14TH 058	Soil	1.2	10.0	5.8	71	<0.1	6.9	5.2	850	1.76	2.3	3.7	0.8	41	<0.1	0.3	<0.1	46	0.33	0.035	12
BM14TH 059	Soil	0.8	8.7	5.8	60	<0.1	5.8	4.1	778	1.55	2.4	8.3	0.7	45	0.1	0.3	<0.1	43	0.40	0.038	8

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 031	Soil	18	0.32	183	0.073	1	1.31	0.015	0.07	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH 032	Soil	15	0.28	172	0.081	2	1.42	0.011	0.12	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14TH 033	Soil	17	0.34	455	0.075	2	1.54	0.010	0.17	<0.1	0.05	3.3	<0.1	<0.05	6	0.6	<0.2
BM14TH 034	Soil	18	0.32	242	0.095	2	1.45	0.011	0.18	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14TH 035	Soil	15	0.32	245	0.072	3	1.32	0.010	0.22	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14TH 036	Soil	14	0.30	218	0.075	3	1.38	0.009	0.15	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
BM14TH 037	Soil	16	0.31	250	0.085	<1	1.44	0.010	0.14	<0.1	0.05	3.1	<0.1	<0.05	5	<0.5	<0.2
BM14TH 038	Soil	16	0.34	292	0.078	2	1.53	0.009	0.18	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH 039	Soil	15	0.29	289	0.067	2	1.21	0.012	0.11	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 040	Soil	17	0.22	235	0.064	2	0.93	0.009	0.16	<0.1	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
BM14TH 041	Soil	26	0.42	511	0.042	<1	4.07	0.027	0.10	<0.1	0.04	10.9	<0.1	<0.05	10	<0.5	<0.2
BM14TH 042	Soil	20	0.36	261	0.097	<1	1.49	0.014	0.12	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
BM14TH 043	Soil	17	0.29	266	0.098	1	1.22	0.012	0.14	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 044	Soil	18	0.31	265	0.105	1	1.39	0.013	0.16	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH 045	Soil	19	0.36	165	0.116	1	1.32	0.013	0.17	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14TH 045B	Rock Pulp	37	0.77	106	0.135	3	1.45	0.104	0.11	0.3	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
BM14TH 046	Soil	15	0.26	320	0.087	1	1.08	0.012	0.15	<0.1	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
BM14TH 047	Soil	16	0.33	259	0.079	<1	1.29	0.011	0.18	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH 048	Soil	18	0.37	289	0.061	5	1.53	0.010	0.21	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 049	Soil	19	0.37	325	0.072	2	1.63	0.011	0.23	<0.1	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH 050	Soil	18	0.35	247	0.071	2	1.44	0.019	0.17	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 051	Soil	17	0.33	330	0.043	2	1.76	0.012	0.13	<0.1	0.04	3.6	<0.1	0.05	5	<0.5	<0.2
BM14TH 052	Soil	14	0.28	250	0.069	3	1.09	0.011	0.12	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH 053	Soil	9	0.24	253	0.044	3	0.89	0.008	0.14	0.1	0.06	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14TH 054	Soil	13	0.25	251	0.070	2	1.18	0.010	0.17	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH 055	Soil	10	0.16	247	0.078	<1	0.85	0.012	0.12	<0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
BM14TH 056	Soil	15	0.24	161	0.102	<1	1.02	0.012	0.15	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
BM14TH 057	Soil	12	0.19	158	0.093	<1	1.05	0.014	0.11	<0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14TH 058	Soil	13	0.21	168	0.075	1	1.08	0.013	0.11	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH 059	Soil	12	0.21	181	0.078	<1	0.86	0.011	0.16	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 060	Soil	0.9	7.5	5.1	67	<0.1	5.4	3.4	761	1.50	1.8	<0.5	0.8	38	0.1	0.2	<0.1	38	0.28	0.026	7
BM14TH 061	Soil	0.9	16.4	6.5	51	<0.1	10.4	7.8	1057	2.09	1.8	4.0	1.2	50	0.1	0.3	<0.1	57	0.41	0.023	14
BM14TH 062	Soil	1.1	18.3	9.1	63	<0.1	9.7	7.3	1025	2.37	4.6	0.8	1.0	37	0.2	0.4	<0.1	58	0.43	0.049	16
BM14TH 063	Soil	0.6	18.6	9.2	88	<0.1	10.5	8.1	1465	2.47	3.3	<0.5	1.2	39	0.2	0.4	<0.1	58	0.43	0.100	12
BM14TH 064	Soil	0.6	11.6	6.2	72	<0.1	7.8	5.6	839	1.79	2.2	2.6	1.0	34	0.1	0.3	<0.1	47	0.32	0.054	7
BM14TH 065	Soil	0.3	24.1	6.7	42	0.2	10.8	4.7	312	1.45	2.0	1.4	0.6	46	<0.1	0.2	<0.1	37	0.39	0.032	24
BM14TH 066	Soil	0.7	14.3	6.4	48	<0.1	8.9	6.1	790	1.76	1.9	1.0	0.9	54	0.1	0.2	<0.1	47	0.49	0.028	13
BM14TH 067	Soil	0.7	15.1	7.5	57	<0.1	8.7	6.9	1036	1.98	2.2	<0.5	1.1	62	0.2	0.3	<0.1	51	0.57	0.031	12
BM14TH 068	Soil	0.6	22.1	7.1	67	<0.1	11.4	7.9	793	2.21	2.9	1.9	1.1	59	0.2	0.3	<0.1	58	0.53	0.038	16
BM14TH 069	Soil	0.7	18.0	6.6	59	<0.1	10.0	7.2	913	2.17	2.9	0.8	0.7	60	0.2	0.3	<0.1	59	0.51	0.057	10
BM14TH 070	Soil	0.8	14.9	6.6	59	<0.1	9.8	7.4	975	2.17	2.6	3.2	1.1	50	0.1	0.3	<0.1	59	0.41	0.037	8
BM14TH 071	Soil	0.6	26.0	6.7	58	<0.1	16.7	9.7	473	2.93	4.8	4.4	1.6	53	0.1	0.4	<0.1	79	0.43	0.043	12
BM14TH 072	Soil	1.2	20.8	7.1	72	<0.1	11.8	8.6	945	2.35	2.8	6.4	1.1	68	0.3	0.3	0.2	59	0.52	0.075	12
BM14TH 073	Soil	0.7	17.0	6.8	72	<0.1	9.3	7.2	1119	2.18	3.0	1.1	1.0	52	0.3	0.3	0.1	59	0.51	0.060	9
BM14TH 074	Soil	0.6	18.7	7.0	67	<0.1	12.9	8.5	861	2.52	3.2	<0.5	1.3	42	0.1	0.3	0.1	62	0.45	0.072	11
BM14TH 075	Soil	0.7	36.1	7.3	72	0.1	14.9	7.5	857	2.03	2.6	0.7	0.9	123	0.4	0.3	0.1	48	1.38	0.067	24
BM14TH 076	Soil	1.0	26.7	13.6	103	0.1	8.8	8.0	1493	2.27	3.7	35.6	0.8	73	0.3	0.3	0.1	50	0.94	0.111	23
BM14TH 077	Soil	0.7	22.6	8.2	61	<0.1	14.4	9.6	783	2.54	3.3	0.7	1.7	48	0.1	0.3	<0.1	64	0.55	0.043	17
BM14TH 078	Soil	0.9	39.8	11.5	91	0.1	14.2	13.9	2020	3.02	7.6	5.3	1.0	61	0.5	0.4	0.1	60	0.90	0.131	20
BM14TH 079	Soil	1.2	29.0	8.3	74	<0.1	13.3	13.5	1132	2.80	5.7	1.4	1.3	57	0.3	0.2	0.1	53	0.79	0.068	19
BM14TH 080	Soil	0.9	27.6	7.6	85	0.1	13.3	9.1	877	2.32	3.5	0.9	1.0	61	0.4	0.3	<0.1	58	0.84	0.067	14
BM14TH 081	Soil	0.9	24.1	7.9	94	<0.1	8.7	6.3	640	1.96	3.8	1.3	0.6	66	0.4	0.3	<0.1	44	0.92	0.093	16
BM14TH 082	Soil	0.9	20.4	7.7	70	<0.1	8.6	7.2	821	2.02	4.5	1.3	0.7	58	0.3	0.4	<0.1	50	0.84	0.068	13
BM14TH 083	Soil	1.1	23.0	7.2	69	<0.1	10.2	8.0	842	1.99	3.3	0.7	0.8	60	0.3	0.3	<0.1	54	0.84	0.043	14
BM14TH 084	Soil	0.8	37.3	7.5	134	0.2	14.3	6.5	775	1.76	3.2	1.8	0.7	118	0.4	0.3	<0.1	39	1.47	0.066	19
BM14TH 085	Soil	0.6	41.5	7.5	84	0.3	16.6	6.9	579	2.12	4.3	5.5	0.8	120	0.4	0.4	<0.1	47	1.27	0.098	28
BM14TH 086	Soil	0.9	28.9	6.8	54	0.2	12.1	6.8	1018	1.90	3.5	2.3	0.7	89	0.2	0.3	<0.1	50	0.84	0.056	20
BM14TH 087	Soil	1.3	23.0	6.4	92	0.1	12.0	7.3	1152	1.88	2.8	0.8	0.7	70	0.6	0.3	<0.1	49	0.70	0.048	15
BM14TH 088	Soil	1.1	19.2	7.1	88	0.1	9.7	6.6	907	1.87	3.7	7.9	0.7	62	0.3	0.3	<0.1	49	0.72	0.055	13
BM14TH 089	Soil	1.1	15.2	6.8	91	<0.1	7.3	5.5	1061	1.59	2.5	1.9	0.5	65	0.5	0.3	0.1	42	0.75	0.051	9

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
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
BM14TH 060	Soil	11	0.18	195	0.080	<1	0.86	0.012	0.13	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
BM14TH 061	Soil	18	0.33	184	0.100	<1	1.27	0.012	0.14	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
BM14TH 062	Soil	17	0.33	338	0.090	<1	1.43	0.011	0.19	<0.1	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14TH 063	Soil	18	0.33	370	0.088	<1	1.86	0.011	0.14	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
BM14TH 064	Soil	13	0.24	234	0.089	<1	1.26	0.012	0.11	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14TH 065	Soil	15	0.30	158	0.049	<1	1.81	0.016	0.06	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14TH 066	Soil	14	0.27	185	0.079	<1	1.37	0.013	0.08	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 067	Soil	15	0.28	264	0.091	1	1.33	0.011	0.13	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH 068	Soil	20	0.37	222	0.092	1	1.54	0.011	0.15	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH 069	Soil	19	0.36	250	0.083	<1	1.35	0.014	0.18	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 070	Soil	17	0.32	252	0.103	<1	1.38	0.011	0.18	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
BM14TH 071	Soil	27	0.57	160	0.125	<1	1.91	0.016	0.14	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
BM14TH 072	Soil	20	0.39	256	0.099	3	1.65	0.010	0.30	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
BM14TH 073	Soil	17	0.31	240	0.093	4	1.19	0.011	0.18	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14TH 074	Soil	22	0.40	192	0.102	3	1.88	0.011	0.17	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14TH 075	Soil	20	0.37	245	0.062	3	1.98	0.015	0.13	0.4	0.05	5.7	<0.1	0.06	5	<0.5	<0.2
BM14TH 076	Soil	15	0.31	381	0.049	3	1.57	0.009	0.20	0.2	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
BM14TH 077	Soil	24	0.40	264	0.104	1	1.90	0.014	0.23	0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
BM14TH 078	Soil	23	0.45	423	0.057	3	2.06	0.010	0.26	0.2	0.04	7.7	<0.1	<0.05	6	<0.5	<0.2
BM14TH 079	Soil	20	0.35	284	0.069	3	1.56	0.011	0.21	0.2	0.05	6.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 080	Soil	21	0.39	260	0.077	4	1.54	0.014	0.25	0.2	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 081	Soil	13	0.32	248	0.050	2	1.43	0.011	0.17	0.3	0.04	3.3	<0.1	0.07	4	<0.5	<0.2
BM14TH 082	Soil	13	0.28	183	0.065	3	1.30	0.010	0.15	0.2	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 083	Soil	16	0.32	169	0.072	2	1.40	0.015	0.10	0.4	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
BM14TH 084	Soil	15	0.33	291	0.048	4	1.66	0.011	0.19	0.3	0.07	4.0	<0.1	0.08	4	<0.5	<0.2
BM14TH 085	Soil	18	0.38	337	0.039	3	2.19	0.016	0.15	0.2	0.06	6.4	<0.1	0.07	5	<0.5	<0.2
BM14TH 086	Soil	15	0.30	244	0.064	3	1.40	0.014	0.14	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14TH 087	Soil	16	0.29	217	0.083	2	1.19	0.014	0.21	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14TH 088	Soil	15	0.28	197	0.075	2	1.17	0.012	0.17	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14TH 089	Soil	12	0.22	226	0.069	3	0.97	0.011	0.16	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2

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Project: BM
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CERTIFICATE OF ANALYSIS VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14TH 090	Soil	0.7	12.4	6.0	60	0.1	7.4	5.0	546	1.88	3.2	6.5	1.0	38	<0.1	0.3	<0.1	50	0.32	0.056	11
BM14TH 090B	Rock Pulp	5.7	50.9	4.1	43	0.1	33.0	9.1	465	2.84	4.4	<0.5	1.1	51	0.1	0.6	<0.1	61	1.08	0.055	5
BM14JT 001	Soil	0.8	8.6	5.2	58	<0.1	5.8	3.9	633	1.61	1.9	<0.5	1.0	35	0.2	0.3	<0.1	44	0.29	0.027	9
BM14JT 002	Soil	0.8	7.9	5.4	63	<0.1	5.4	4.2	662	1.57	2.3	5.0	0.9	35	0.2	0.2	<0.1	42	0.31	0.040	8
BM14JT 003	Soil	0.7	10.7	5.5	71	0.1	7.7	4.6	543	1.72	2.6	3.1	0.9	42	0.1	0.2	<0.1	46	0.38	0.069	9
BM14JT 004	Soil	0.9	16.2	6.2	71	0.1	9.9	6.3	825	1.88	3.3	6.2	0.6	59	0.1	0.2	<0.1	49	0.58	0.087	13
BM14JT 005	Soil	0.9	40.1	8.1	83	0.4	16.2	7.4	794	2.43	4.9	8.0	1.2	71	0.3	0.4	0.1	48	0.78	0.093	43
BM14JT 006	Soil	0.7	23.6	6.4	73	<0.1	10.9	7.1	623	2.24	3.6	2.2	1.0	49	0.2	0.3	<0.1	57	0.61	0.072	11
BM14JT 007	Soil	0.6	15.1	5.5	80	<0.1	7.1	5.0	620	1.84	3.0	<0.5	1.2	43	0.2	0.3	<0.1	50	0.40	0.145	7
BM14JT 008	Soil	0.7	20.6	7.4	59	<0.1	9.4	7.9	937	2.33	2.7	<0.5	1.4	39	0.2	0.3	<0.1	62	0.53	0.028	14
BM14JT 009	Soil	0.6	12.3	5.5	59	<0.1	8.3	5.8	484	2.04	2.0	<0.5	1.3	28	<0.1	0.3	<0.1	55	0.28	0.042	8
BM14JT 010	Soil	0.5	10.6	6.0	86	<0.1	6.8	4.8	805	1.87	2.1	<0.5	1.1	32	0.2	0.3	<0.1	51	0.37	0.060	6
BM14JT 011	Soil	1.1	14.4	7.4	55	<0.1	8.1	6.9	623	2.28	3.7	<0.5	1.4	32	0.1	0.3	<0.1	59	0.36	0.025	11
BM14JT 012	Soil	1.0	16.2	7.2	64	<0.1	7.4	7.2	830	2.29	3.3	<0.5	0.8	27	0.2	0.3	<0.1	53	0.35	0.038	12
BM14JT 013	Soil	0.8	16.9	8.1	102	<0.1	6.5	7.1	1466	2.21	3.4	<0.5	0.8	31	0.3	0.2	<0.1	44	0.53	0.144	15
BM14JT 014	Soil	0.8	30.0	9.1	128	0.2	6.2	7.1	2107	2.14	5.6	0.5	0.4	58	0.6	0.2	0.1	37	1.16	0.146	25
BM14JT 015	Soil	1.6	25.2	8.2	87	0.3	11.5	7.7	1186	2.39	4.6	1.8	1.3	76	0.2	0.3	0.1	42	0.85	0.042	27
BM14JT 016	Soil	0.6	11.1	5.3	54	<0.1	7.6	4.9	386	2.07	2.3	<0.5	1.2	30	0.1	0.3	<0.1	60	0.26	0.027	6
BM14JT 017	Soil	0.6	12.3	5.2	67	<0.1	7.4	5.4	845	2.08	2.2	<0.5	1.0	35	0.1	0.3	<0.1	59	0.48	0.066	6
BM14JT 018	Soil	0.6	7.9	5.0	65	<0.1	5.3	4.2	829	1.71	3.0	1.1	0.7	30	0.2	0.2	<0.1	46	0.38	0.068	5
BM14JT 019	Soil	0.7	10.0	5.9	45	<0.1	6.4	4.7	628	1.75	1.8	2.6	0.7	32	0.1	0.2	<0.1	49	0.47	0.025	6
BM14JT 020	Soil	0.6	12.2	5.9	70	<0.1	9.9	6.3	688	2.18	3.0	6.0	1.2	22	0.1	0.2	<0.1	49	0.33	0.066	9
BM14JT 021	Soil	0.9	11.7	6.3	67	<0.1	8.2	6.6	909	2.21	2.3	<0.5	1.1	25	0.2	0.2	<0.1	49	0.45	0.054	9
BM14JT 022	Soil	1.1	16.6	7.6	94	0.1	6.1	8.1	1579	2.50	3.7	<0.5	0.9	35	0.4	0.2	<0.1	39	0.91	0.114	15
BM14JT 023	Soil	0.9	14.7	7.5	81	<0.1	5.1	10.3	1502	3.54	3.8	1.7	1.2	22	0.2	0.2	<0.1	45	0.44	0.089	20
BM14JT 024	Soil	0.6	21.6	11.6	91	0.1	5.0	10.2	2741	3.62	4.3	4.9	0.9	24	0.5	0.2	0.1	44	0.65	0.152	27
BM14JT 025	Soil	0.5	13.7	7.2	116	<0.1	9.3	6.7	1781	2.23	2.5	<0.5	1.0	20	0.3	0.1	0.1	45	0.33	0.262	6
BM14JT 026	Soil	0.6	10.5	5.1	52	<0.1	7.8	5.4	571	1.96	1.8	<0.5	1.2	24	<0.1	0.2	<0.1	53	0.28	0.031	5
BM14JT 027	Soil	0.7	15.5	6.2	83	<0.1	10.2	8.0	770	2.66	3.0	<0.5	1.4	21	0.2	0.2	<0.1	61	0.34	0.072	9
BM14JT 028	Soil	1.2	17.2	7.7	63	<0.1	8.2	9.0	1307	2.51	2.4	1.5	1.3	29	0.1	0.2	<0.1	46	0.58	0.032	16

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
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
BM14TH 090	Soil	13	0.21	206	0.083	1	1.18	0.013	0.13	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
BM14TH 090B	Rock Pulp	37	0.74	107	0.138	4	1.45	0.096	0.11	0.9	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT 001	Soil	11	0.18	183	0.085	2	0.85	0.013	0.12	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14JT 002	Soil	11	0.20	195	0.076	1	0.96	0.014	0.11	<0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
BM14JT 003	Soil	13	0.22	224	0.081	1	1.14	0.014	0.11	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT 004	Soil	16	0.29	256	0.075	3	1.40	0.015	0.14	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT 005	Soil	21	0.39	274	0.041	2	2.46	0.012	0.31	<0.1	0.05	7.9	<0.1	<0.05	6	<0.5	<0.2
BM14JT 006	Soil	17	0.30	193	0.081	2	1.34	0.014	0.12	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT 007	Soil	13	0.21	271	0.079	2	1.09	0.013	0.11	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 008	Soil	18	0.30	191	0.104	2	1.51	0.014	0.17	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT 009	Soil	16	0.27	173	0.098	<1	1.42	0.015	0.12	0.2	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 010	Soil	14	0.22	221	0.092	1	1.17	0.013	0.10	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT 011	Soil	16	0.27	212	0.101	<1	1.22	0.013	0.13	<0.1	0.02	4.1	<0.1	<0.05	4	0.5	<0.2
BM14JT 012	Soil	14	0.29	209	0.065	1	1.31	0.011	0.11	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 013	Soil	11	0.30	295	0.050	2	1.60	0.011	0.14	0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT 014	Soil	10	0.26	322	0.038	2	1.64	0.011	0.12	0.2	0.06	3.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT 015	Soil	16	0.34	348	0.044	1	2.15	0.012	0.14	0.2	0.05	6.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT 016	Soil	15	0.25	191	0.100	1	1.22	0.014	0.08	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 017	Soil	15	0.22	219	0.089	4	1.11	0.012	0.15	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 018	Soil	12	0.16	220	0.063	3	0.87	0.012	0.08	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
BM14JT 019	Soil	12	0.18	222	0.063	3	1.05	0.012	0.08	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 020	Soil	16	0.27	190	0.068	3	1.73	0.012	0.13	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
BM14JT 021	Soil	14	0.25	243	0.069	3	1.57	0.014	0.11	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT 022	Soil	9	0.26	390	0.044	4	1.71	0.020	0.15	<0.1	0.05	3.7	<0.1	<0.05	5	<0.5	<0.2
BM14JT 023	Soil	8	0.42	201	0.046	<1	2.06	0.013	0.13	0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
BM14JT 024	Soil	7	0.43	313	0.045	3	2.18	0.009	0.17	0.2	0.05	6.0	<0.1	<0.05	6	<0.5	<0.2
BM14JT 025	Soil	13	0.24	426	0.060	3	2.28	0.015	0.10	<0.1	0.04	2.6	<0.1	<0.05	7	<0.5	<0.2
BM14JT 026	Soil	15	0.25	185	0.090	3	1.08	0.011	0.10	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT 027	Soil	17	0.32	263	0.078	2	1.81	0.011	0.16	<0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT 028	Soil	13	0.26	257	0.065	2	1.76	0.013	0.15	<0.1	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
BM14JT 029	Soil		1.3	18.5	8.7	94	<0.1	9.1	8.9	1432	3.02	4.6	1.3	1.1	33	0.3	0.2	0.1	62	0.72	0.090	11
BM14JT 030	Soil		0.8	16.2	5.2	104	<0.1	9.3	7.0	1361	2.21	2.3	0.9	0.8	35	0.3	0.1	<0.1	52	0.59	0.072	6
BM14JT 031	Soil		0.7	37.9	6.6	98	0.1	11.3	13.9	1590	3.48	6.5	<0.5	0.9	41	0.3	0.2	<0.1	75	0.78	0.108	11
BM14JT 032	Soil		0.9	9.2	5.5	78	<0.1	6.1	4.8	901	1.74	2.4	1.6	0.9	34	0.2	0.3	<0.1	45	0.38	0.036	8
BM14JT 033	Soil		0.9	8.0	4.9	66	<0.1	5.1	3.7	867	1.45	2.3	<0.5	0.6	33	0.2	0.2	<0.1	37	0.33	0.034	8
BM14JT 034	Soil		2.4	23.7	13.2	200	0.3	8.5	7.4	5938	2.08	8.0	21.2	0.1	24	0.9	0.2	0.1	40	0.33	0.245	21
BM14JT 035	Soil		0.9	14.5	6.8	80	<0.1	9.5	6.8	1270	2.33	4.3	2.2	1.1	24	0.2	0.3	<0.1	55	0.31	0.079	10
BM14JT 036	Soil		0.9	17.3	5.8	48	0.2	9.5	7.1	800	2.21	4.1	11.9	0.6	53	0.1	0.2	<0.1	55	0.59	0.048	15
BM14JT 037	Soil		0.7	49.4	6.7	85	0.6	19.6	7.1	789	2.33	4.7	5.4	0.9	88	0.5	0.4	<0.1	39	1.25	0.096	46
BM14JT 038	Soil		0.8	34.8	6.8	67	0.3	14.5	6.7	634	2.28	4.6	7.8	1.0	53	0.3	0.4	<0.1	52	0.75	0.060	25
BM14JT 039	Soil		0.8	18.7	6.8	90	0.1	9.9	7.1	882	2.18	3.2	0.7	0.7	41	0.3	0.2	<0.1	53	0.75	0.054	11
BM14JT 040	Soil		0.7	17.2	5.3	59	<0.1	10.1	6.6	406	2.53	5.0	1.6	1.1	32	<0.1	0.3	<0.1	68	0.39	0.064	8
BM14JT 041	Soil		0.8	12.1	6.3	54	<0.1	7.6	5.7	763	2.03	3.3	47.2	1.1	34	0.1	0.3	<0.1	55	0.48	0.027	7
BM14JT 042	Soil		1.0	12.8	5.7	39	<0.1	6.2	5.6	625	2.03	2.2	0.9	1.1	33	0.2	0.2	<0.1	51	0.63	0.016	10
BM14JT 043	Soil		0.9	17.8	6.2	51	<0.1	8.5	6.6	640	2.40	3.7	1.7	1.3	30	0.2	0.3	<0.1	57	0.50	0.024	13
BM14JT 044	Soil		1.1	19.3	5.4	75	<0.1	9.2	7.1	718	2.34	4.7	1.6	0.9	32	0.2	0.3	<0.1	62	0.49	0.093	9
BM14JT 045	Soil		1.5	29.0	7.4	98	0.4	12.5	7.6	1098	2.61	6.4	44.9	0.8	80	0.3	0.4	<0.1	46	1.15	0.083	23
BM14JT 046	Soil		0.9	20.6	5.1	48	0.1	10.2	6.4	363	2.70	6.4	3.0	1.0	31	<0.1	0.3	<0.1	80	0.38	0.062	9
BM14JT 047	Soil		1.7	16.9	6.2	60	<0.1	8.1	7.0	890	2.41	4.3	2.5	1.1	46	0.2	0.2	<0.1	64	0.58	0.055	10
BM14JT 048	Soil		0.7	17.8	5.2	51	<0.1	10.0	6.0	266	2.69	5.0	5.6	1.3	32	<0.1	0.4	<0.1	77	0.40	0.085	7
BM14JT 049	Soil		0.9	15.5	5.8	50	<0.1	7.7	5.9	750	2.31	3.0	2.1	1.1	39	<0.1	0.2	<0.1	64	0.56	0.056	8
BM14JT 050	Soil		1.9	16.9	7.2	55	0.1	7.9	6.8	883	2.03	4.1	<0.5	0.8	41	0.1	0.2	<0.1	49	0.73	0.046	13
BM14JT 050A	Rock Pulp		5.4	49.8	3.9	46	0.1	35.1	9.3	499	2.98	4.6	1.3	1.1	42	0.1	0.5	<0.1	62	1.14	0.053	5
BM14JT 051	Soil		1.4	20.3	7.3	66	<0.1	9.1	7.9	984	2.31	4.9	0.6	1.0	40	0.2	0.2	<0.1	57	0.69	0.038	13
BM14JT 052	Soil		1.2	21.2	8.2	60	<0.1	9.0	7.7	949	2.22	5.7	2.2	0.9	48	0.3	0.3	0.2	51	0.81	0.056	17
BM14JT 053	Soil		1.0	19.7	8.3	80	<0.1	10.1	8.5	1248	2.43	3.9	<0.5	1.4	40	0.3	0.3	0.1	58	0.56	0.070	15
BM14JT 054	Soil		0.7	16.7	6.2	101	<0.1	8.5	6.7	1051	2.12	2.7	1.1	1.3	35	0.5	0.2	0.1	52	0.52	0.058	10
BM14JT 055	Soil		1.0	23.5	9.4	67	0.1	6.9	7.9	1548	2.28	4.0	1.8	0.6	41	0.4	0.2	0.1	43	1.10	0.096	21
BM14JT 056	Soil		1.0	16.6	8.7	78	<0.1	8.9	8.5	1878	2.38	4.0	<0.5	0.9	33	0.2	0.3	0.1	54	0.54	0.089	14
BM14JT 057	Soil		1.0	13.7	11.6	87	<0.1	6.1	8.4	905	2.94	3.6	0.8	1.1	28	0.2	0.2	0.3	38	0.45	0.092	15

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14JT 029	Soil	16	0.32	336	0.058	2	1.92	0.012	0.11	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
BM14JT 030	Soil	15	0.29	244	0.076	2	1.49	0.014	0.10	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 031	Soil	15	0.47	281	0.059	4	1.87	0.011	0.20	<0.1	0.05	6.6	<0.1	<0.05	6	<0.5	<0.2
BM14JT 032	Soil	12	0.18	217	0.078	2	0.96	0.012	0.17	<0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14JT 033	Soil	10	0.15	228	0.064	3	1.00	0.013	0.10	<0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
BM14JT 034	Soil	12	0.17	561	0.021	3	1.99	0.009	0.12	<0.1	0.09	0.6	<0.1	<0.05	7	<0.5	<0.2
BM14JT 035	Soil	16	0.24	310	0.075	2	1.44	0.016	0.12	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT 036	Soil	16	0.25	225	0.066	4	1.39	0.014	0.12	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT 037	Soil	21	0.42	330	0.026	4	2.87	0.016	0.20	<0.1	0.08	7.7	<0.1	<0.05	7	0.5	<0.2
BM14JT 038	Soil	18	0.34	229	0.047	2	1.98	0.015	0.15	<0.1	0.05	5.6	<0.1	<0.05	5	0.7	<0.2
BM14JT 039	Soil	16	0.28	230	0.069	4	1.78	0.018	0.16	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT 040	Soil	18	0.33	146	0.081	3	1.21	0.011	0.14	<0.1	0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT 041	Soil	14	0.22	226	0.080	2	1.26	0.019	0.11	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
BM14JT 042	Soil	13	0.21	182	0.072	2	1.31	0.014	0.13	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT 043	Soil	17	0.25	193	0.079	1	1.49	0.016	0.09	<0.1	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT 044	Soil	17	0.28	172	0.073	2	1.24	0.012	0.14	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 045	Soil	18	0.36	332	0.040	4	2.31	0.014	0.17	<0.1	0.07	6.2	<0.1	<0.05	6	0.7	<0.2
BM14JT 046	Soil	20	0.34	146	0.078	2	1.34	0.012	0.09	<0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 047	Soil	16	0.25	237	0.075	3	1.25	0.012	0.17	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 048	Soil	19	0.35	172	0.088	2	1.27	0.016	0.10	<0.1	0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT 049	Soil	16	0.24	245	0.078	3	1.23	0.017	0.09	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 050	Soil	14	0.25	202	0.062	4	1.40	0.011	0.15	<0.1	0.05	3.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT 050A	Rock Pulp	38	0.77	117	0.119	3	1.52	0.102	0.11	0.4	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT 051	Soil	16	0.28	227	0.072	4	1.40	0.011	0.18	<0.1	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
BM14JT 052	Soil	15	0.30	233	0.068	2	1.52	0.011	0.19	0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 053	Soil	17	0.32	309	0.094	2	1.65	0.011	0.18	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT 054	Soil	15	0.26	286	0.090	2	1.31	0.012	0.17	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 055	Soil	11	0.31	236	0.051	2	1.56	0.009	0.15	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
BM14JT 056	Soil	14	0.29	278	0.072	<1	1.73	0.011	0.13	0.1	0.06	3.6	<0.1	<0.05	5	0.6	<0.2
BM14JT 057	Soil	7	0.23	403	0.037	2	1.79	0.017	0.15	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
BM14JT 058	Soil		1.0	22.0	9.3	90	<0.1	9.5	9.4	1409	2.68	4.6	1.0	1.2	39	0.2	0.2	0.1	54	0.56	0.074	19
BM14JT 059	Soil		1.0	22.2	7.8	77	<0.1	10.2	8.5	1176	2.27	3.1	1.3	1.2	44	0.2	0.3	<0.1	56	0.62	0.037	17
BM14JT 060	Soil		1.0	17.9	6.8	58	<0.1	12.6	8.4	904	2.56	2.7	2.9	1.3	41	0.2	0.3	0.1	65	0.44	0.028	10
BM14JT 063	Soil		1.1	15.0	8.0	83	<0.1	9.0	7.3	1269	2.36	3.0	1.0	1.3	36	0.2	0.3	0.1	56	0.47	0.052	11
BM14JT 064	Soil		1.5	27.4	8.6	82	0.2	8.3	10.7	1509	2.91	11.8	2.8	0.5	48	0.3	0.4	<0.1	55	0.80	0.116	17
BM14JT 065	Soil		4.8	22.3	14.9	139	0.2	2.9	14.3	2882	2.60	20.3	5.5	0.2	52	0.7	0.4	0.3	18	0.93	0.187	18
BM14JT 066	Soil		1.3	20.2	7.4	81	0.1	9.9	8.7	983	2.31	3.8	197.9	1.1	41	0.2	0.3	<0.1	59	0.62	0.049	14
BM14JT 067	Soil		1.5	27.1	9.0	98	0.1	11.8	10.5	1370	2.64	5.4	0.6	1.1	49	0.3	0.3	0.1	64	0.68	0.091	16
BM14JT 068	Soil		1.3	27.5	8.3	80	0.1	11.7	10.0	1163	2.45	4.3	1.8	1.2	50	0.3	0.3	0.1	57	0.68	0.060	20
BM14JT 069	Soil		1.1	22.5	9.2	90	0.1	10.4	9.6	1421	2.74	4.9	0.6	1.6	36	0.3	0.3	0.1	63	0.56	0.087	18
BM14JT 070	Soil		1.3	17.9	9.2	81	<0.1	8.5	8.2	1289	2.51	4.0	<0.5	1.6	40	0.2	0.3	<0.1	54	0.66	0.087	15
BM14JT 071	Soil		1.0	15.4	7.9	85	<0.1	6.6	6.6	1190	2.00	3.8	0.9	0.9	40	0.3	0.2	<0.1	44	0.73	0.069	11
BM14JT 072	Soil		1.0	14.3	7.6	58	<0.1	8.3	6.1	816	2.09	2.7	3.9	1.3	36	0.3	0.2	<0.1	54	0.46	0.027	9
BM14JT 073	Soil		0.9	16.1	6.8	58	<0.1	9.0	6.6	796	2.05	2.6	<0.5	0.8	36	0.2	0.2	<0.1	53	0.59	0.032	9
BM14JT 074	Soil		0.7	15.3	5.9	74	<0.1	7.8	5.5	717	2.04	2.8	0.6	0.9	36	0.2	0.2	<0.1	55	0.48	0.084	7
BM14JT 075	Soil		1.0	15.5	7.3	69	<0.1	7.7	6.0	955	1.92	2.8	1.3	0.8	49	0.1	0.3	<0.1	50	0.71	0.062	7
BM14JT 076	Soil		0.7	15.4	5.5	55	<0.1	9.1	6.2	544	2.23	2.8	0.7	1.4	34	0.2	0.2	<0.1	61	0.40	0.063	8
BM14JT 077	Soil		1.0	48.8	7.5	77	0.3	12.1	6.7	1116	2.31	3.1	4.8	1.2	56	0.3	0.3	<0.1	53	1.02	0.044	30
BM14JT 078	Soil		1.7	71.3	8.7	92	0.6	17.1	7.5	1861	2.45	4.6	2.8	1.3	96	0.4	0.4	0.1	47	1.30	0.068	28
BM14JT 079	Soil		1.5	21.4	8.3	76	0.2	8.7	6.8	656	2.12	5.0	1.6	0.3	61	0.2	0.2	<0.1	48	0.56	0.091	12
BM14JT 080	Soil		1.2	49.0	7.5	107	0.6	17.0	5.9	675	2.24	5.0	3.5	1.0	116	0.3	0.4	0.1	34	1.28	0.093	30
BM14JT 081	Soil		1.1	23.7	7.2	108	0.2	10.9	7.7	1020	2.16	3.7	0.9	0.4	65	0.3	0.2	<0.1	51	0.71	0.153	10
BM14JT 082	Soil		1.7	14.9	6.0	71	<0.1	7.3	6.0	870	1.85	4.6	1.2	0.4	60	0.2	0.2	<0.1	46	0.73	0.105	8
BM14JT 083	Soil		0.6	10.1	5.6	55	<0.1	6.5	5.0	828	1.79	2.4	1.4	1.0	34	0.1	0.3	<0.1	45	0.33	0.036	7
BM14JT 084	Soil		0.9	9.9	6.3	82	<0.1	7.4	5.1	929	1.85	2.6	7.8	0.9	29	0.1	0.3	<0.1	47	0.28	0.110	7
BM14JT 085	Soil		0.7	9.0	5.7	81	<0.1	6.4	5.0	809	1.75	2.5	2.4	0.8	27	<0.1	0.3	<0.1	44	0.26	0.098	6
BM14JT 086	Soil		0.7	15.7	6.7	58	<0.1	9.2	6.5	328	2.29	2.4	2.3	1.6	48	<0.1	0.3	<0.1	59	0.44	0.018	14
BM14JT 087	Soil		1.3	24.1	7.2	65	0.1	9.3	6.9	971	1.97	4.4	4.1	0.6	68	0.2	0.2	<0.1	46	0.65	0.058	13
BM14JT 088	Soil		1.0	22.4	8.7	74	0.1	8.9	7.6	1160	1.98	4.7	7.5	0.8	74	0.2	0.2	<0.1	45	0.90	0.099	13
BM14JT 089	Soil		0.9	23.1	8.2	60	0.1	10.7	7.2	868	2.08	4.4	9.8	0.8	57	0.2	0.3	<0.1	46	0.71	0.048	14

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Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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
BM14JT 058	Soil		16	0.32	285	0.082	2	2.04	0.010	0.19	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
BM14JT 059	Soil		18	0.32	276	0.087	1	1.72	0.011	0.16	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT 060	Soil		21	0.39	227	0.107	2	1.67	0.012	0.13	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
BM14JT 063	Soil		16	0.30	333	0.091	2	1.48	0.013	0.14	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
BM14JT 064	Soil		14	0.34	383	0.050	3	1.42	0.011	0.17	<0.1	0.04	4.3	<0.1	<0.05	4	0.5	<0.2
BM14JT 065	Soil		3	0.12	549	0.009	2	0.96	0.005	0.16	0.2	0.05	1.5	<0.1	0.06	3	<0.5	<0.2
BM14JT 066	Soil		18	0.31	223	0.092	3	1.56	0.011	0.18	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
BM14JT 067	Soil		21	0.38	318	0.095	3	1.93	0.011	0.22	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
BM14JT 068	Soil		19	0.33	300	0.087	2	1.98	0.012	0.19	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
BM14JT 069	Soil		18	0.34	301	0.100	2	1.98	0.012	0.16	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
BM14JT 070	Soil		14	0.32	282	0.079	3	1.83	0.012	0.18	<0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
BM14JT 071	Soil		11	0.26	226	0.070	3	1.13	0.009	0.20	0.2	0.05	3.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 072	Soil		14	0.25	239	0.095	2	1.24	0.014	0.12	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT 073	Soil		15	0.27	211	0.087	2	1.41	0.016	0.11	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 074	Soil		14	0.24	229	0.079	3	1.19	0.016	0.12	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 075	Soil		14	0.25	280	0.078	3	1.10	0.012	0.10	0.1	0.06	2.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT 076	Soil		17	0.29	186	0.097	2	1.22	0.016	0.10	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT 077	Soil		16	0.30	223	0.068	3	1.95	0.020	0.10	<0.1	0.05	5.2	<0.1	<0.05	5	0.6	<0.2
BM14JT 078	Soil		19	0.37	387	0.057	3	2.60	0.021	0.12	<0.1	0.08	8.0	<0.1	<0.05	6	0.7	<0.2
BM14JT 079	Soil		14	0.30	226	0.049	2	1.49	0.014	0.14	0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
BM14JT 080	Soil		19	0.38	385	0.034	3	2.77	0.012	0.37	<0.1	0.06	7.4	<0.1	<0.05	6	<0.5	<0.2
BM14JT 081	Soil		17	0.35	322	0.062	2	1.62	0.012	0.17	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
BM14JT 082	Soil		13	0.27	276	0.062	3	1.04	0.011	0.15	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
BM14JT 083	Soil		12	0.21	225	0.082	1	1.04	0.016	0.12	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
BM14JT 084	Soil		13	0.25	215	0.069	1	1.28	0.015	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
BM14JT 085	Soil		11	0.21	224	0.064	1	1.18	0.012	0.09	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT 086	Soil		16	0.27	202	0.079	1	1.33	0.020	0.09	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
BM14JT 087	Soil		14	0.25	236	0.058	2	1.38	0.015	0.09	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
BM14JT 088	Soil		13	0.26	349	0.056	3	1.28	0.014	0.14	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT 089	Soil		15	0.31	190	0.061	2	1.58	0.014	0.12	<0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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
BM14JT 090	Soil	1.2	35.0	7.0	90	0.3	13.0	5.8	880	1.73	3.2	10.2	0.5	83	0.4	0.3	0.1	33	1.13	0.071	25
BM14JT 091	Soil	0.9	25.2	6.3	55	0.2	12.6	7.8	823	2.22	3.0	5.3	1.1	52	0.2	0.2	0.1	51	0.59	0.025	20
BM14JT 092	Soil	0.9	10.3	6.3	39	<0.1	5.4	4.4	853	1.48	1.7	1.8	0.7	39	<0.1	0.2	<0.1	37	0.42	0.022	9
BM14JT 093	Soil	0.9	15.3	6.2	54	0.1	7.9	6.1	856	1.96	3.4	5.6	0.8	42	0.2	0.3	<0.1	49	0.43	0.027	14
BM14JT 094	Soil	1.0	15.0	5.8	45	<0.1	9.1	5.8	328	2.38	5.9	18.0	1.3	35	<0.1	0.5	<0.1	64	0.31	0.025	11
BM14JT 094A	Rock Pulp	5.6	47.5	3.9	41	0.1	32.0	8.8	473	2.79	4.0	3.6	1.0	42	0.2	0.6	<0.1	58	1.03	0.051	5

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

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

Project: BM
Report Date: November 15, 2014

CERTIFICATE OF ANALYSIS VAN14003472.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
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
BM14JT 090	Soil	14	0.29	270	0.035	4	1.62	0.010	0.18	<0.1	0.08	4.0	<0.1	0.09	4	<0.5	<0.2
BM14JT 091	Soil	19	0.36	188	0.085	3	1.60	0.015	0.14	<0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
BM14JT 092	Soil	9	0.17	203	0.061	3	0.82	0.008	0.11	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
BM14JT 093	Soil	14	0.25	192	0.077	2	1.07	0.012	0.15	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
BM14JT 094	Soil	17	0.29	124	0.086	1	1.05	0.014	0.10	<0.1	0.02	4.2	<0.1	<0.05	3	<0.5	<0.2
BM14JT 094A	Rock Pulp	35	0.74	103	0.118	3	1.35	0.075	0.10	0.4	0.02	4.2	<0.1	0.05	5	<0.5	<0.2

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QUALITY CONTROL REPORT VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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																					
BM14TH 009	Soil	0.7	24.3	6.7	56	0.1	11.4	7.9	439	2.27	2.5	1.4	1.0	67	0.3	0.3	<0.1	57	0.83	0.026	21
REP BM14TH 009	QC	0.6	24.8	6.5	57	<0.1	11.4	7.2	464	2.18	2.3	1.0	1.0	68	0.3	0.4	<0.1	54	0.81	0.025	21
BM14TH 045	Soil	0.6	15.4	6.5	54	<0.1	10.5	7.0	610	2.16	2.5	1.6	1.3	49	0.1	0.3	<0.1	63	0.43	0.035	10
REP BM14TH 045	QC	0.6	15.5	6.3	51	<0.1	10.5	6.9	643	2.23	2.5	1.1	1.2	48	0.2	0.3	<0.1	64	0.42	0.036	10
BM14TH 074	Soil	0.6	18.7	7.0	67	<0.1	12.9	8.5	861	2.52	3.2	<0.5	1.3	42	0.1	0.3	0.1	62	0.45	0.072	11
REP BM14TH 074	QC	0.6	19.2	7.2	68	<0.1	12.8	8.4	844	2.46	3.0	0.7	1.5	43	0.1	0.4	0.1	64	0.44	0.074	11
BM14JT 019	Soil	0.7	10.0	5.9	45	<0.1	6.4	4.7	628	1.75	1.8	2.6	0.7	32	0.1	0.2	<0.1	49	0.47	0.025	6
REP BM14JT 019	QC	0.7	10.1	5.8	47	<0.1	6.7	4.9	621	1.87	2.0	<0.5	0.7	32	0.1	0.2	<0.1	50	0.48	0.025	6
BM14JT 054	Soil	0.7	16.7	6.2	101	<0.1	8.5	6.7	1051	2.12	2.7	1.1	1.3	35	0.5	0.2	0.1	52	0.52	0.058	10
REP BM14JT 054	QC	0.7	16.0	6.4	102	<0.1	8.2	6.8	1062	2.10	2.8	6.4	1.4	35	0.5	0.2	<0.1	51	0.51	0.056	10
BM14JT 092	Soil	0.9	10.3	6.3	39	<0.1	5.4	4.4	853	1.48	1.7	1.8	0.7	39	<0.1	0.2	<0.1	37	0.42	0.022	9
REP BM14JT 092	QC	1.1	11.3	6.3	40	<0.1	5.2	4.1	876	1.49	1.8	1.3	0.8	39	0.1	0.2	<0.1	37	0.40	0.021	9
Reference Materials																					
STD DS10	Standard	14.5	152.0	153.6	371	1.8	76.4	12.8	844	2.69	44.5	73.9	8.3	72	2.5	9.6	12.6	45	1.03	0.074	19
STD DS10	Standard	15.1	166.0	152.6	372	1.8	74.7	12.7	806	2.68	47.2	76.4	7.8	66	2.6	8.9	12.4	45	1.07	0.074	18
STD DS10	Standard	14.5	147.4	152.3	361	1.8	75.0	12.6	859	2.71	42.9	71.9	8.1	71	2.4	9.7	12.7	43	1.02	0.070	19
STD DS10	Standard	14.4	149.6	150.5	370	2.0	75.6	12.8	890	2.77	47.1	104.6	7.8	62	2.8	8.5	10.8	43	1.09	0.079	17
STD DS10	Standard	15.1	147.1	152.4	354	1.8	75.8	12.9	850	2.73	43.0	68.7	8.3	71	2.3	9.0	12.7	43	1.02	0.071	19
STD DS10	Standard	14.1	148.7	149.2	362	1.8	75.8	12.8	855	2.72	42.0	74.1	7.5	62	2.5	9.1	11.3	42	1.03	0.067	17
STD OXC109	Standard	1.6	33.5	11.8	39	<0.1	74.2	19.0	389	2.75	0.6	197.4	1.6	144	<0.1	<0.1	<0.1	47	0.64	0.100	13
STD OXC109	Standard	1.4	36.2	11.3	39	<0.1	71.0	19.2	373	2.82	<0.5	200.6	1.5	140	<0.1	<0.1	<0.1	49	0.65	0.098	13
STD OXC109	Standard	1.5	34.9	11.9	39	<0.1	70.3	18.8	388	2.79	0.6	201.9	1.6	144	<0.1	<0.1	<0.1	47	0.66	0.098	13
STD OXC109	Standard	1.7	33.9	10.6	41	<0.1	73.2	19.0	398	2.81	0.8	206.6	1.4	121	<0.1	<0.1	<0.1	44	0.69	0.103	12
STD OXC109	Standard	1.5	33.6	11.1	38	<0.1	72.4	19.0	397	2.84	0.7	194.0	1.5	148	<0.1	<0.1	<0.1	48	0.67	0.099	13
STD OXC109	Standard	1.5	33.0	10.7	39	<0.1	71.1	17.8	385	2.73	0.6	206.9	1.4	124	<0.1	<0.1	<0.1	44	0.59	0.093	12
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	17.5
STD OXC109 Expected												201									
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

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

Project: BM
Report Date: November 15, 2014

QUALITY CONTROL REPORT VAN14003472.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	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																	
BM14TH 009	Soil	16	0.32	154	0.068	2	1.84	0.017	0.11	<0.1	0.03	4.7	<0.1	<0.05	5	0.5	<0.2
REP BM14TH 009	QC	16	0.31	150	0.068	1	1.66	0.015	0.10	<0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
BM14TH 045	Soil	19	0.36	165	0.116	1	1.32	0.013	0.17	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
REP BM14TH 045	QC	20	0.35	164	0.119	<1	1.27	0.016	0.17	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
BM14TH 074	Soil	22	0.40	192	0.102	3	1.88	0.011	0.17	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
REP BM14TH 074	QC	22	0.39	193	0.101	3	1.79	0.011	0.18	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
BM14JT 019	Soil	12	0.18	222	0.063	3	1.05	0.012	0.08	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
REP BM14JT 019	QC	12	0.18	229	0.064	2	1.05	0.012	0.08	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
BM14JT 054	Soil	15	0.26	286	0.090	2	1.31	0.012	0.17	<0.1	0.01	4.0	<0.1	<0.05	4	<0.5	<0.2
REP BM14JT 054	QC	15	0.27	288	0.092	2	1.32	0.011	0.17	<0.1	<0.01	3.8	<0.1	<0.05	4	<0.5	<0.2
BM14JT 092	Soil	9	0.17	203	0.061	3	0.82	0.008	0.11	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
REP BM14JT 092	QC	10	0.16	205	0.061	2	0.84	0.008	0.11	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	54	0.78	333	0.086	7	1.04	0.069	0.33	3.3	0.30	2.9	5.1	0.27	4	2.5	4.9
STD DS10	Standard	56	0.79	335	0.087	8	1.01	0.065	0.35	3.3	0.30	3.3	5.2	0.27	5	2.2	5.0
STD DS10	Standard	55	0.77	350	0.085	6	1.06	0.074	0.34	3.3	0.26	3.1	5.0	0.25	4	1.5	4.8
STD DS10	Standard	55	0.80	370	0.078	8	1.12	0.079	0.35	3.6	0.26	3.0	5.3	0.25	5	2.0	4.9
STD DS10	Standard	54	0.78	356	0.085	5	1.01	0.074	0.34	3.2	0.29	3.2	4.9	0.25	4	2.1	4.6
STD DS10	Standard	54	0.75	353	0.074	5	0.99	0.060	0.32	3.6	0.28	2.9	5.0	0.31	4	2.3	4.8
STD OXC109	Standard	55	1.41	54	0.390	1	1.42	0.681	0.40	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	56	1.40	57	0.368	2	1.38	0.655	0.41	0.2	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	57	1.39	56	0.376	2	1.43	0.665	0.41	0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	55	1.46	54	0.336	2	1.46	0.686	0.44	0.2	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	58	1.41	57	0.385	2	1.42	0.640	0.41	0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC109	Standard	53	1.39	51	0.343	<1	1.32	0.617	0.41	0.2	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OXC109 Expected																	
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

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QUALITY CONTROL REPORT VAN14003472.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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

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		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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