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

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT (type of survey(s))	**TOTAL COST**	**$19,991.60**
Geochemical Sampling and Mapping		

AUTHOR(S) R. T. Henneberry

SIGNATURE(S) "signed and sealed"

NOTICE OF WORK NUMBER(S) / DATE(S)

YEAR OF WORK 2015

STATEMENT OF WORK – CASH PAYMENT EVENT NUMBERS / DATE(S) 5592575, 5592576

PROPERTY NAME Princeton Project

CLAIM NAME(S) (on which work was done) Placer Creek 4 577668, Placer Mt NW 1036473, 1036477, Placer Mt NE 1036483, North Block 1037290

COMMODITIES SOUGHT Gold

MINERAL INVENTORY MINFILE NUMBERS, IF KNOWN

MINING DIVISION Similkameen

NTS: 092H/01, 092H/02 TRIM 092H018, 092H028

LATITUDE LONGITUDE (at centre of work)
NORTHING 5451500 EASTING 685500 UTM ZONE 10 MAP DATUM NAD 83

OWNER 1
Sydney WIlson

OWNER 2

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OPERATORS (who paid for work)
1007879 B.C. Ltd.

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PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size, attitude)
The Princeton Project is largely underlain by Eocene Princeton volcaniclastics and intrusives with Triassic Ncola Group volcaniclastics and clastics in two outliers in the northern section of the claim block. Mapping and sampling was completed over newly acquired tenures to the north. Quartz float sampling suggests the known quartz zones may Extend onto the new northern claims.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS
30654, 31762, 31933, 31962, 32838, 34468, 35073

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (In Metric Units)	On Which Claims	Project Costs Apportioned
GEOLOGICAL (scale, area)			
Ground, mapping		577668, 1036473, 1036477, 1036483	
Photo Interpretation			
GEOPHYSICAL (line kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Siesmic			
Other			
Airborne			
GEOCHEMICAL (number of samples analyzed for)			
Soil	38	1036477, 1036483	
Silt			
Rock	35	1036473, 1036477, 1037290	
Other			
DRILLING (total metres, number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / assaying			
Petrographic			
Mineralogical			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATION / PHYSICAL			
Line/grid (kilometres)			
Topographic / Photogrammatic (scale, area)			
Legal Surveys (scale, area)			
Road, local access (kilometres)			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	**$19,991.60**

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2015 GEOLOGICAL AND GEOCHEMICAL REPORT

PRINCETON PROJECT

Located in the Princeton Area, British Columbia
Similkameen Mining Division
TRIM Sheets 092H018, 092H028
UTM (NAD 83) ZONE 10 684500E 5448000N

FOR

1007879 B.C. Ltd.
Suite 1780 - 400 Burrard Street
Vancouver, BC V6C 3A6

By: R. Tim Henneberry, P.Geo.
September 28, 2015

SUMMARY

The Princeton Property is being explored for auriferous, polymetallic, quartz vein mineralization. The 4,583 hectare property is road accessible and located approximately 35 kilometres south of Princeton, British Columbia. 1007879 B.C. Ltd. is earning a 100% interest, subject to a 2% Net Smelter Return (NSR) royalty by issuing 2,500,000 shares and completing $2,000,000 in exploration expenditures over the next 4 years.

The Princeton Project lies within an area of high geological potential in the Princeton area. While most of the focus has been on porphyry copper, prior exploration conducted by the property vendor and on the vendor's behalf by Windfire Capital Corp., suggests that the Princeton Project and surrounding area have excellent potential to host vein-hosted gold mineralization.

The property is largely underlain by Eocene Princeton Group volcaniclastics with lesser Triassic Nicola Group rocks. The andesitic volcaniclastics and fine clastic sediments of the Nicola Group outcrop as two distinct outliers in the northern section of the property: predominantly andesitic volcaniclastics in the northwest and interbedded andesitic volcaniclastics and fine clastic sediments in the northeast. The Princeton Group rocks outcrop through most of the claim block and consist largely of andesitic volcaniclastics, ranging from fine grained through fragmental to agglomeratic, and a dacitic intrusive. In addition, smaller areas are underlain by rhyolite and tephra units and mafic and granodiorite intrusives.

The 2015 program that forms the basis of this report was directed at a preliminary evaluation of the four new claims added to the northern boundary of the claim group. The July 2015 program consisted of geological mapping and the collection of 38 road soil samples and 29 quartz float samples. Two of the 29 quartz float samples returned significant gold values: 25,278 ppb Au and 1012 ppb Au, from the same general area. The 29 quartz float samples were generally centralized to the north of Area 2, designated Area 2a, and suggest a possible quartz corridor extending north to the new claims from Area 2.

The target on the Princeton Project remains Area 2, where 2010 and 2011 grab and chip rock sampling found 13 of 36 samples returning gold values in excess of 10,000 ppb gold, or 10 grams per tonne, to a maximum of 66,237 ppb or 66.2 grams per tonne gold. The samples were collected from three separate areas enclosing sub rounded to angular quartz float and outcrop comprising rusty weathered, limonite stained quartz with trace to 5%, very fine grain, disseminated pyrite. Several of the samples exhibit remnant vugs or cellular box work structure. Follow up 2011 grid soil sampling surveys indicate Area 2 hosts multiple, linear, parallel gold-in-soil anomalies with the strongest anomaly striking a minimum of 500 metres to a maximum of 650 metres in a northwestern direction.

Further exploration, consisting of prospecting and hand trenching of the other 2011 anomalies and excavator trenching of the Area 2 veins is recommended at a cost of $200,000. Diamond drilling will follow based on the trenching results.

The cost of the July 2015 mapping and sampling program was $19,991.60.

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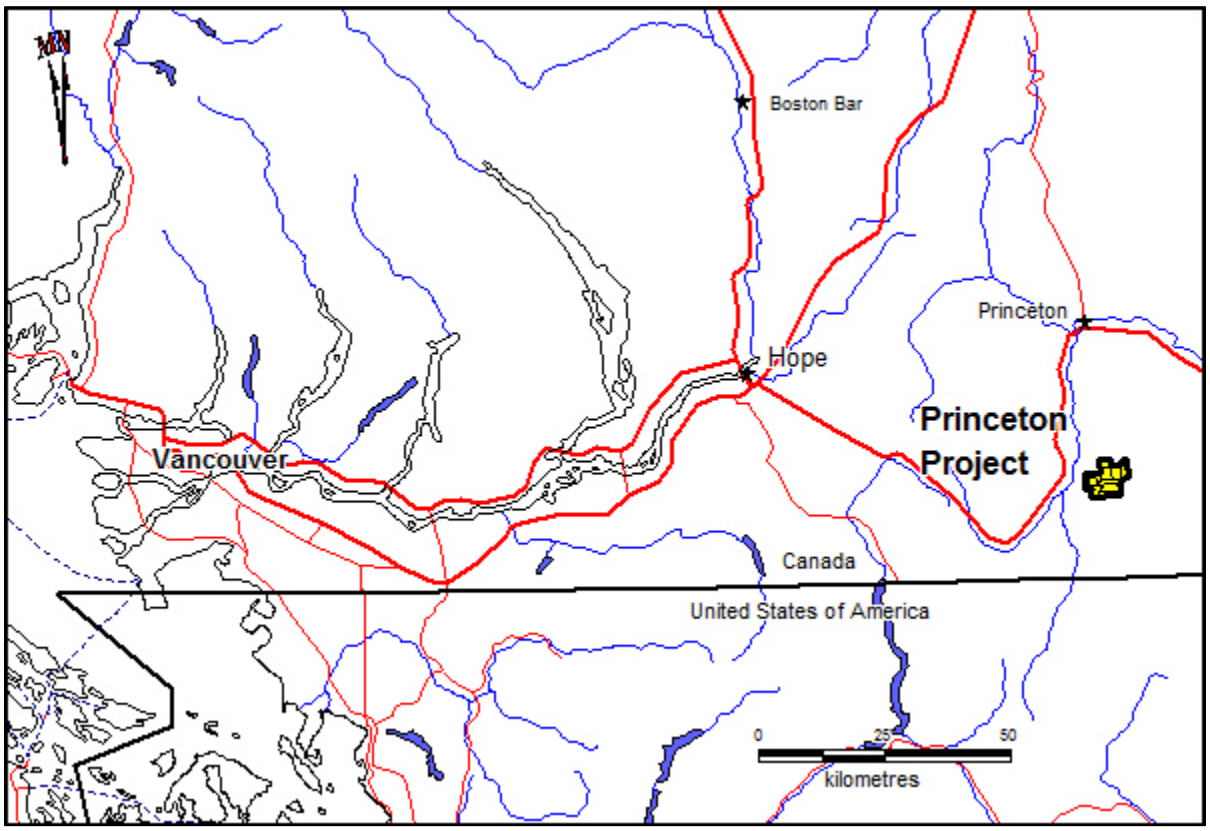
INTRODUCTION

The purpose of this Technical Report is to compile the results from the 2015 exploration program for assessment credits and make recommendations for further exploration. This report was commissioned by Mr. Sydney Wilson, the principal of 1007879 B.C. Ltd...

The author's geological consulting company completed a program of road soil sampling, rock sampling and mapping over the claims recently added to the Princeton Project during mid July 2015. The data presented in this report was collected during this program.

The author, R. Tim Henneberry, P.Geo., who serves as the Qualified Person for this technical report, undertook the 2015 program assisted by Gary Wesa, F.G.A.C. between July 5 and July 10, 2015.



Projection NAD 83 Zone 10

Figure 1. Property Location

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 surrounding claims has been taken from the Mineral Titles Online database maintained by the British Columbia Ministry of Energy and Mines. The database was examined on September 28, 2015 and data on this site is assumed to be correct.

The section concerning 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 in accordance with the industry standards of the day. Lithogeochemical, soil and stream silt analyses were completed by reputable Canadian assay labs, also, in accordance with industry standards of the day.

Table 1. Current List of Tenures

Tenure Number	Claim Name	Owner	Issue Date	Good To Date	Area (ha)
577664	PLACER CREEK 1	129188 (100%)	2008/mar/01	2016/nov/15	126.70
577665	PLACER CREEK 2	129188 (100%)	2008/mar/01	2016/nov/15	126.68
577668	PLACER CREEK 4	129188 (100%)	2008/mar/01	2016/nov/15	232.28
577671	PLACER MOUNTAIN 1	129188 (100%)	2008/mar/01	2016/nov/15	211.29
577672	PLACER MOUNTAIN 2	129188 (100%)	2008/mar/01	2016/nov/15	211.29
577679	PLACER MOUNTAIN 6	129188 (100%)	2008/mar/01	2016/nov/15	506.99
600232	PLACER MOUNTAIN 4	129188 (100%)	2009/mar/02	2016/nov/15	338.02
629212	PLACER CREEK EAST	129188 (100%)	2009/sep/06	2016/nov/15	190.07
706153	PLACER MOUNTAIN A	129188 (100%)	2010/feb/12	2016/nov/15	443.53
712302	PLACER CREEK 3	129188 (100%)	2010/mar/03	2016/nov/15	211.23
1036473	PLACER MT NW	129188 (100%)	2015/jun/02	2016/jun/02	527.84
1036477		129188 (100%)	2015/jun/02	2016/jun/02	506.71
1036483	PLACER MT NE	129188 (100%)	2015/jun/02	2016/jun/02	527.79
1037290	NORTH BLOCK	129188 (100%)	2015/jul/12	2016/jul/12	422.10
	14 claims				**4582.52**

PROPERTY DESCRIPTION AND LOCATION

The Princeton Project is located south of Princeton, British Columbia (Figure 1) on TRIM claim sheets 092H018 and 092H028 in the Similkameen Mining Division. The property currently consists of 14 claims totaling 4,582.52 hectares as shown in Table 1 and in yellow on Figure 2.

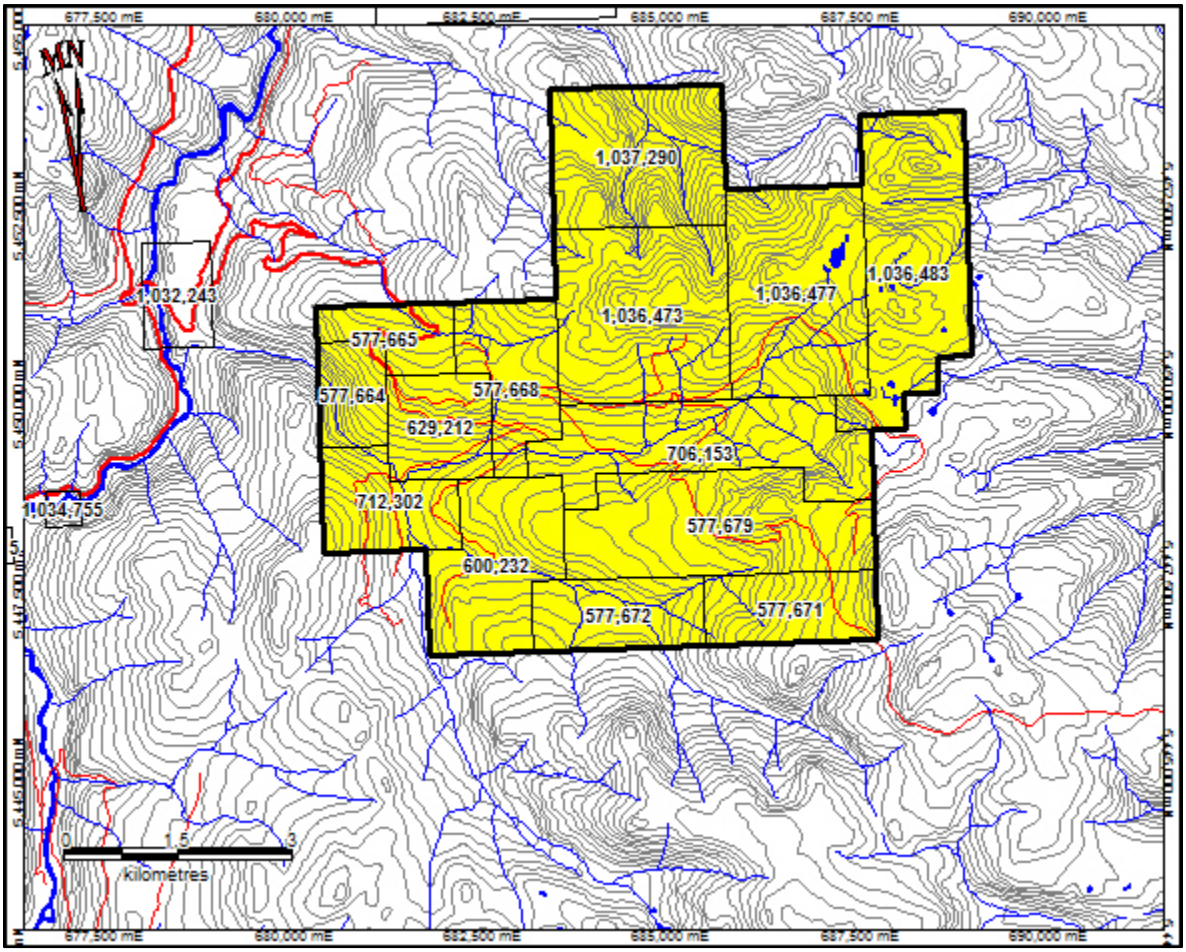
Table 2. 1007879 B.C. Ltd. Princeton Project Agreement Terms

Payments			Work Commitments	
Date	**Cash**	**Shares**	**Expenditures of**	**Completed by**
14-Jul-2014			$25,000	14-Oct-2014
14-Jul-2015		250,000	$50,000	14-Jul-2015
14-Jul-2016		500,000	$250,000	14-Jul-2016
14-Jul-2017		750,000	$500,000	14-Jul-2017
14-Jul-2018		1,000,000	$1,175,000	14-Jul-2018
Totals		**2,500,000**	**$2,000,000**	

All claims are held 100% by Mr. Sydney Wilson of Vancouver, B.C. Details pertaining to the claims are summarized in Table 1 and shown in Figure 2. Mr. Sydney Wilson is not arm's length to 1007879 B.C. Ltd.

100879 B.C. Ltd. is earning a 100% interest, subject to a 2% Net Smelter Return (NSR) royalty, in the Princeton Project by making cash payments and share issuances and completing exploration expenditures under the terms outlined in Table 2:

1007879 B.C. Ltd. has the option to purchase up to ½ of the NSR in two increments (each 0.5%) for $500,000 each, leaving Mr. Wilson with a 1% NSR.



Projection NAD 83 Zone 10

Figure 2: Claim Location (092H018, 092H028)

The author is not aware of any environmental liabilities associated with the Princeton property. The next phase of exploration for the Princeton property will involve mechanical trenching followed by diamond drilling. These exploration activities require a permit obtained through the British Columbia Ministry of Energy and Mines Notice of Work process. A Mines Permit (MX-4-619) for the trenching and drilling was approved 27-February-2012 but has subsequently lapsed. The Company initiated a new permit application in May 2015.

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

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Princeton Project is located approximately 35 kilometres south of Princeton, British Columbia. Road access is via Highway 3 south from Princeton to the Placer Mountain Forest Service Road a distance of approximately 37 kilometres, thence approximately 13 kilometres along the Placer Mountain Forest Service Road in a generally easterly direction to the 2011 discovery site.

Topographic relief on the Princeton Project is moderate to steep with elevations ranging from 1220 metres above sea level (ASL) on Placer Creek at the western claim boundary to 2105 metres ASL on Placer Mountain on the eastern claim boundary. Vegetation consists of thick stands of jack pine and spruce on north facing slopes and significantly sparser vegetation on remaining slopes. Jack pine stands are locally falling victim to the Mountain Pine Beetle infestation. Underbrush is limited but heavy deadfall is prevalent in many areas. Rock outcrops are rare except on ridges, in deep cut valleys and where recent clear cut logging and road building has exposed previously covered bedrock. Much of the property and surrounding region has been clear cut logged.

Climate conditions typify continental type characterized by generally warm, dry summers with field seasons extending from mid-May through to mid-October. Winters are cold with significant snow accumulations and temperatures dipping to minus 20^{o} 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 property is relatively close to the producing Copper Mountain Mine, lying 18 kilometres to the north. The claims are on crown land, so the surface rights are held by the crown. Power lines run down Highway 3 so power is within 13 kilometre of the property. Water is available from the numerous creeks throughout the claim block. Mining personnel, accommodation, heavy equipment, supplies and fuel are readily available locally in Princeton.

HISTORY

According to the British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report Database, the ground presently comprising the Princeton Project has little exploration history prior to the work programs completed since 2008 by Mr. Sydney Wilson, the property vendor.

In the western part of the Princeton property, known as the Placer Creek Block, a three year program of Mobile Metal Ion (MMI) soil sampling was completed. A total of 296 samples were obtained over a 1000 metre long by 1500 metre grid. This program was successful in locating an open 1300 metre long by 50 to 500 metre wide silver anomaly and a two line Au cluster anomaly 250 metres wide by 300 metres long (Henneberry and Wesa, 2010b).

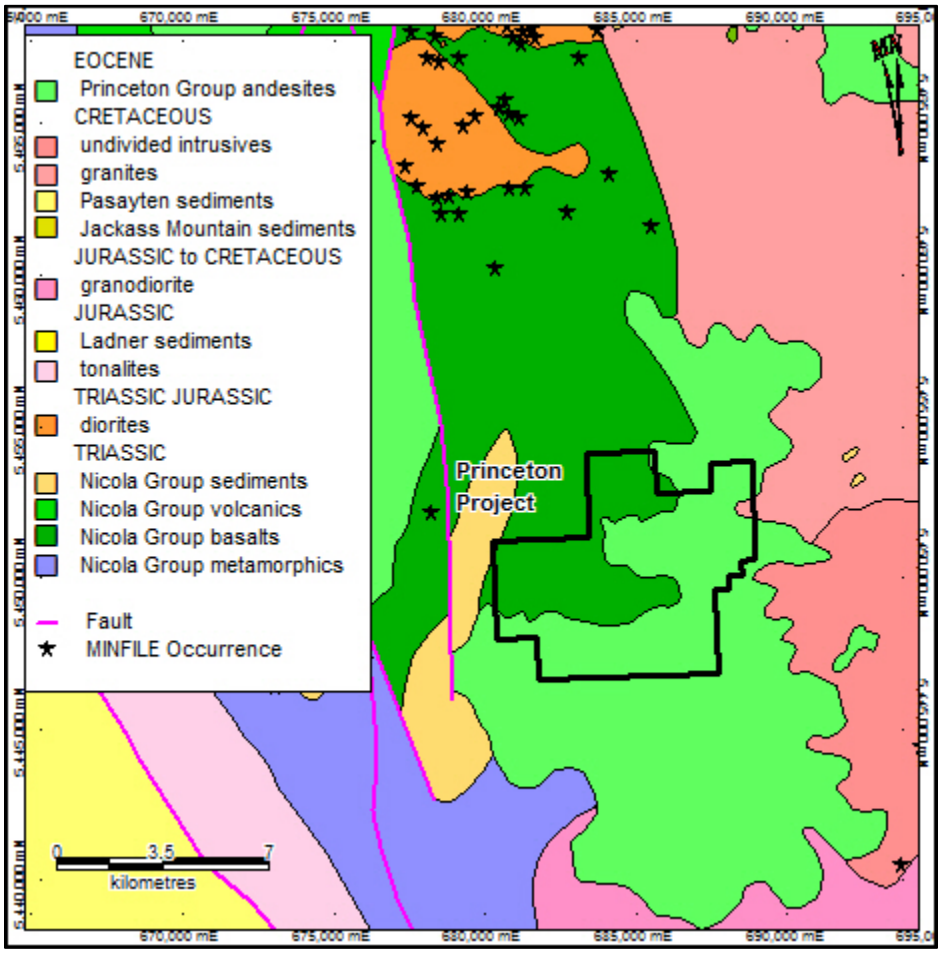
In the southern part of the Princeton property, known as the Placer Mountain Block, a north-south and an east-west reconnaissance MMI soil line was completed resulting in the collection of 59 Mobile Metal Ion (MMI) soil samples. Several multi-element spot anomalies and small cluster anomalies were located (Henneberry, 2008). A second phase of MMI soil sampling, consisting of four lines totaling 50 samples, was completed in the summer of 2010. This survey was followed by prospecting later in the fall resulting in discovery of quartz vein float that returned analytical values ranging from 10.3 ppb Au to 21 grams per tonne Au (Henneberry and Wesa, 2010c).

Wilson subsequently optioned the Placer Creek and Placer Mountain blocks, along with the expired Willis Creek block to the north, collectively the Princeton Project, to Windfire Capital Corp. in 2011 as Windfire's Qualifying Transaction for the TSX Venture Exchange. Windfire completed a two stage exploration program of grid soil sampling and rock sampling concentrating on the quartz vein float area on the Placer Mountain Block in 2011. The rock sampling included Area 2, where 13 of 36 samples of sub rounded to angular quartz float and outcrop comprising rusty weathered, limonite stained quartz with trace to 5%, very fine grain, disseminated pyrite returned gold values in excess of 10,000 ppb gold, or 10 grams per tonne, to a maximum of 66,237 ppb or 66.2 grams per tonne gold from three separate locations. Two phases of initial broad then follow up tighter grid soil sampling suggest that Area 2 hosts multiple, linear, parallel gold-in-soil anomalies with the strongest anomaly striking a minimum of 500 metres to a maximum of 650 metres in a northwestern direction. Road soil and rock geochemistry surveys and prospecting identified several other areas that also require follow up. (Henneberry and Wesa, 2012).

Windfire allowed it option to lapse in late 2013 and Wilson subsequently downsized the property to the key Placer Creek and Placer Mountain blocks and optioned the revised Princeton Project to 1007879 B.C. Ltd in July 2014. The numbered company completed a small program later in July to maintain the claims in good standing.

The 2014 1007879 B.C. Ltd. program consisted of property mapping and road soil sampling over the outlying areas of the property. The mapping indicated the property is by underlain Triassic Nicola Group volcaniclastics in the northwest and Eocene Princeton Group volcaniclastics and intrusives throughout the remainder of the property. The road soil sampling suggested the Nicola volcaniclastics were anomalous in gold and copper, with a large 300 metre by 300 metre area of anomalous copper soil values highlighted. Gold anomalies in the Nicola volcaniclastics consisted of numerous spot anomalies. Very few gold anomalies and minimal copper anomalies were located in the Princeton Group rocks. The rock sampling found one weakly anomalous gold value in a bleached area within Princeton volcaniclastics. (Henneberry, 2014).

Ramani (1974) completed a fluxgate magnetometer and copper soil geochemistry survey over the Holt and Davis claims for Cascadia Resources Ltd. These claims appear to cover parts of recently added tenures 1036473 and 1036477. Weak anomalies were identified, but do not appear to have been followed up. Supreme Resources Ltd. held the ground underlying the three new claims, tenures 1036473, 1036477 and 1036483 from October 2009 through to June 2015 as part of their Verde project south of Copper Mountain, but the location of the actual exploration programs (Crocker, 2010 and Crocker, 2011) are well to the north of the new Princeton Property boundary and little appears to have been done on the ground underlying the new 1007879 tenures.



UTM NAD 83 Zone 10
Geology from Cui et al (2013) August 2015

Regional Geology
Figure 3

GEOLOGICAL SETTING
(Summarized from MINFILE 092HSE)

The Princeton Project is located at the southern end of the Intermontane Belt and the adjoining eastern margin of the Coast Belt. The southern Intermontane Belt is dominated by volcanic rocks and sediments of the Upper Triassic Nicola Group, comprising the Quesnel Terrane. These rocks are intruded by co-magmatic plutons of the Late Triassic and Early Jurassic Copper Mountain and Hedley intrusions, and comprise a west-facing magmatic arc. The island arc assemblage is cut by post-accretionary intrusions of the Late Jurassic and Cretaceous Eagle Plutonic Complex and Osprey Lake Batholith, and is unconformably overlain by volcanic rocks and clastic sediments of the Cretaceous and Tertiary Spences Bridge and Princeton groups. This post-accretionary volcanism and sedimentation is, in part, controlled by a system of northerly striking strike-slip faults.

The Methow Terrane lies across the Pasayten fault to the west and occupies the eastern margin of the Coast Belt in the Princeton map area. This terrane comprises a wedge of clastic sediments derived in part from Quesnellia rocks to the east. The sequence consists of fine grain sediments and mafic volcanics of the Lower to Middle Jurassic Ladner Group, overlain by a thin section of sandstone and conglomerate of the Upper Jurassic "Thunder Lake Sequence", which is, in turn, followed by a thick section of coarse clastics of the partly coeval Cretaceous Jackass Mountain and Pasayten Groups.

The oldest rocks in the Placer Mountain area belong to the Triassic Nicola Group. They consist of basaltic and undivided volcanics and overlying clastic sediments which are metamorphosed to amphibolite grade in the central portion of the map area.

The Nicola Group rocks have been intruded by early Jurassic granites and undivided intrusives, Jurassic tonalites and Jurassic to Cretaceous granodiorites. The youngest units are Eocene andesites of the Princeton Group.

The southwestern corner of the map area is transected by the Pasayten Fault and is underlain by clastic sediments of the Jurassic Ladner and Jackass Mountain Groups and the Cretaceous Pasayten Group.

Princeton Property Area Geology

With the exception of government geological surveys there has been no mapping on the Princeton property, prior to the mapping completed by the author as part of the 2014 exploration program. The following unit descriptions are taken from the British Columbia Ministry of Energy, Mines and Petroleum Resources Digital Geology Release 2.2 (Cui, Y., Katay, F. and Sinclair, L.; 2013).

The oldest rocks are the Triassic Nicola Group which consists of three main units: a sedimentary unit comprised of shale, argillite, siltstone, sandstone, phyllite, tuff, local polymict conglomerate, limestone, greenstone and chloritic phyllite; the Eastern Volcanic Facies comprised of basaltic mafic breccia and tuff with augite and hornblende-phyric clasts; and local intercalated argillite and amphibolite, foliated diorite, mylonite and chlorite schist derived from Nicola Group.

The Nicola Group rocks have been intruded by Jurassic to Cretaceous and Cretaceous intrusives. The Jurassic to Cretaceous intrusions consist of granodioritic rocks, and the Cretaceous intrusions comprise granite and alkali feldspar granite rocks.

The youngest rocks on the property are the Eocene Princeton Group, consisting of intermediate, locally mafic and felsic, flows and volcaniclastic rocks.

The geological map of the area from the 2013 Digital Geology of British Columbia (Ciu et al, 2013) (Figure 4) shows the Princeton Property is underlain largely by Eocene Princeton Group andesites and Triassic Nicola Group Eastern Facies basaltic rocks.

Princeton Property Geology

Mapping in 2015 was extended onto the three new tenures acquired in June. Upon mapping of a logging road immediately north of the new boundary a tephra horizon with the Princeton Group was located and one further claim was added to include this claim. A further 61 outcrop locations were documented in 2015 bringing the two year total to 179. Reinterpretation of some of the units from 2015 was implemented resulting in the new revised geology map shown as Figure 4.

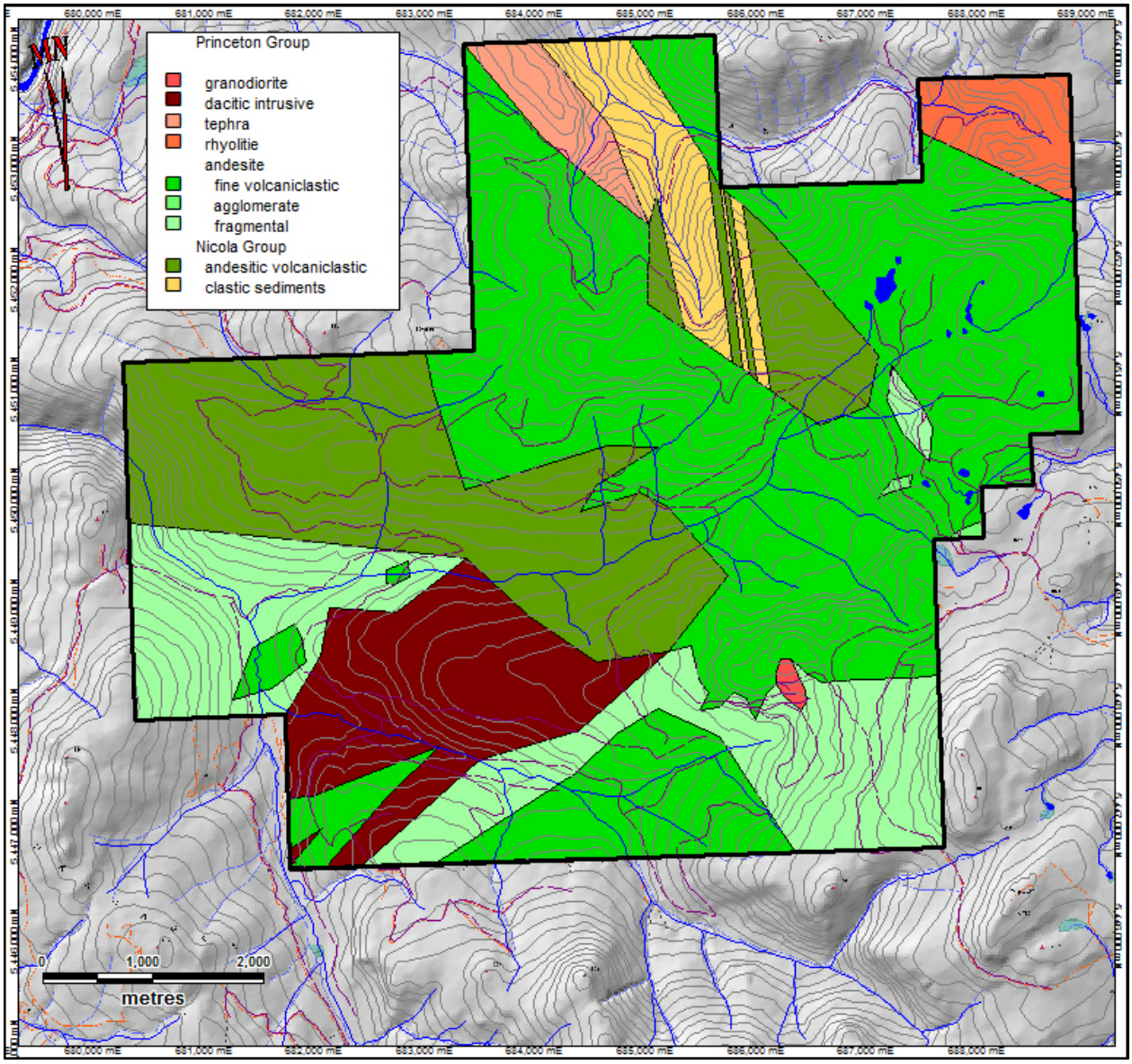
The dominant unit remains the Eocene Princeton Group, predominantly fine, fragmental and agglomeratic volcaniclastics on an andesitic affinity and a dacitic intrusive. Nicola Group rocks, andesitic volcaniclastics and fine clastic sediments outcrop as two distinct areas in the northern section of the property, separate by the Eocene volcaniclastics. The mapping appears to show the Nicola Group rocks are significantly more aerially restricted then in the latest version of the British Columbia Geological Survey Digital Geology (Cui et al, 2013).

Plate 1. Nicola Group

platy volcaniclastics

bedded argillites and siltstones

The Nicola Group rocks were mapped as two outliers through the northern section of the claim group. The western outlier is comprised predominantly of grey weathering, dark grey green fine grained andesitic volcaniclastics. Outcrop exposures varied from blocky to platy and fissile. Limonite and iron oxides were noted in most exposures, with the rock appearing almost gossanous in some locations. A few instances of bull quartz blow outs were noted with quartz approximately 1 to 4 metres long by 20 to 50 centimetres wide. Mineralization ranged from nothing to disseminated pyrite in concentrations ranging from trace to 2% to 3%.



UTM NAD 83 Zone 10 **Princeton Project Geology Figure 4**

The northeastern outlier is comprised of the same andesitic volcanic along with interbedded fine clastic sediments. The sediments are rusty weathering, largely argillaceous rocks, with some siltstone interbeds. These units strike 158° to 160° and dip 73° E with one exception, were a 020° /60° W strike and dip were recorded. The beds range from centimetres to tens of centimetres in thickness and carry traces to less than ½% pyrite.

The Princeton Group rocks outcrop through most of the claim block and consist largely of andesitic volcaniclastics and a dacitic intrusive. Small units include rhyolite and tephra units and mafic and granodiorite intrusives. The 2015 mapping combined with a reexamination of some of the 2014 outcrops suggests the basalt exposure mapped in 2014 may be closer to andesitic or basaltic andesitic in composition as shown in the new map.

Plate 2. Princeton Group

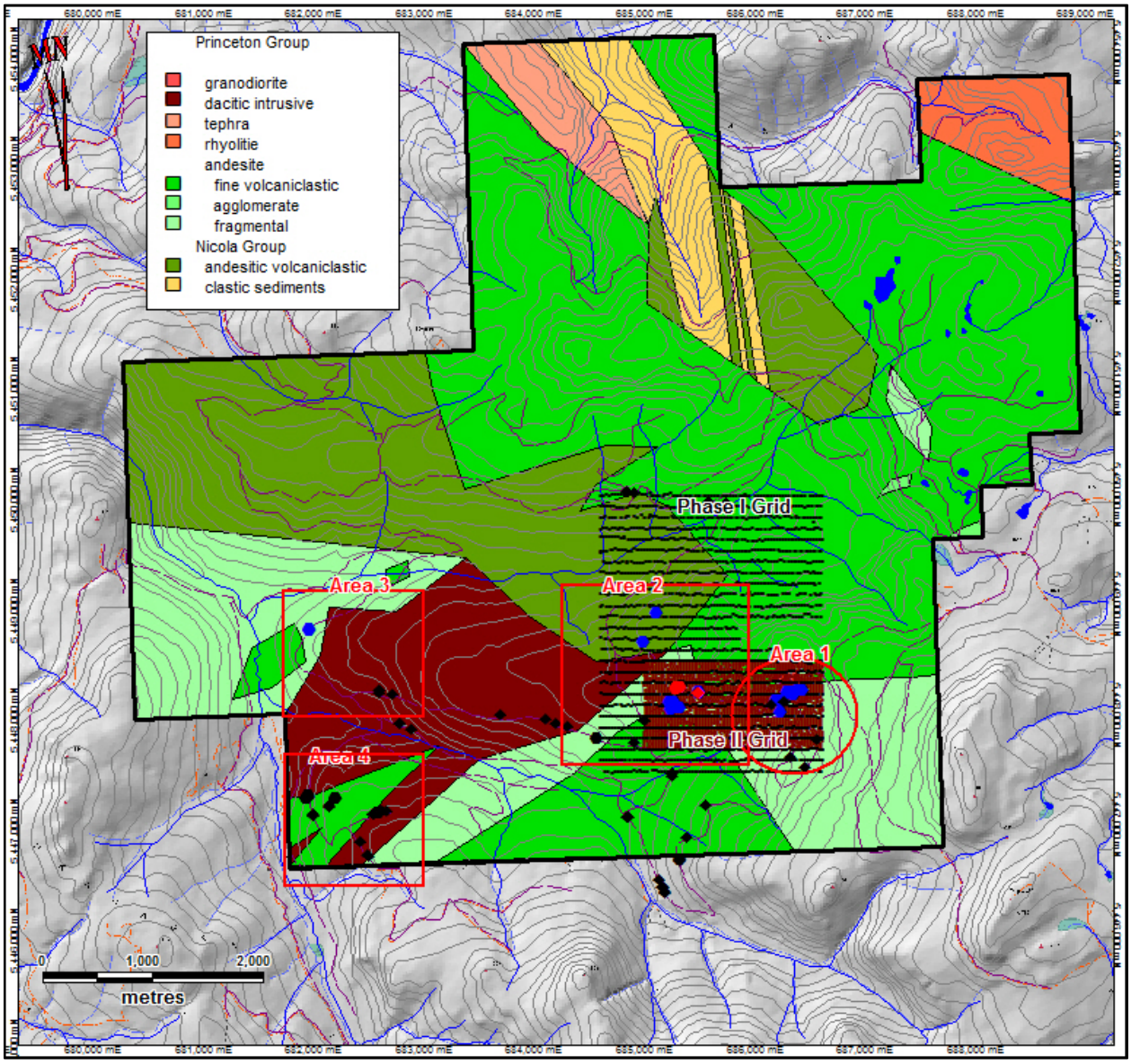
fine grained andesite

platy andesite

tephra

hematitic andesite

The andesitic volcaniclastics are the most widespread, occurring throughout the claim block and consisting largely of two units: a finer grained dark grey black green unit and a similar unit with fragments to clasts of plagioclase or more typical porphyritic andesite. These units weather grey brown to tan brown and locally show weak to strong groundmass hematite. Exposures range from blocky to platy to shattered. Locally, the fragmental contains larger clast and bombs to the point where it is agglomeratic. Commonly, the agglomerate shows varying hues of pink red due to hematite content. Bombs from 10 to 20 centimetres in size were noted.



UTM NAD 83 Zone 10

Figure 5. Mineralized Areas

The dacitic intrusive is a dull grey brown color on weathered surface and cleaner grey brown on fresh surface. The rock displays plagioclase laths to 5 millimetres and hornblende laths to 5 millimetres. Biotite is also observed, though it has been weathered to limonite in some instances. Quartz eyes to 7 millimetres were also observed. Outcrop is typically blocky.

One exposure of grey white weathering, grey white quartz eye rhyolite was noted in the northeast corner of the claim block. Clay was noted along fractures along with iron oxides and limonite.

An ash flow tuff or tephra unit was mapped along a 300 metre stretch of logging road in the northern part of the claim block. The unit is cream to grey white in color and fine grained and almost appears rhyolitic in texture in one exposure. Local organic fragments were noted within the unit. The Cation Exchange Capacity was tested and found to be low in the mapped exposures.

Two exposures of a grey black, fine to medium grained intrusive dyke were noted in the southwest section of the claim block. No contacts were noted.

A small granodiorite plug, which may be a more granodioritic phase of the Princeton Group dacitic intrusive, was noted in the eastern section of the claim block. The rock is grey white on both the weathered and fresh surface. It is coarse grained and carries quartz and feldspar. Hornblende laths to 1 centimetre were observed. The one exposed contact has considerable associated limonite and iron oxides.

Table 3. 2011 Rock Sampling Highlights

Sample	Area	Description	ppb Au
PM11-EBR02	1	angular quartz boulder float	396.6
PM11-EBR03	1	angular quartz boulder float	272.2
PM11-EBR04	1	quartz vein in outcrop	102.3
PM11-EBR07	1	sub-angular quartz boulder float	332.5
PM11-EBR09	1	quartz vein in altered granodiorite	163.4
PM11-GWR01	2	0.65 m wide quartz vein	14937.1
PM11-GWR02	2	0.5 m wide quartz vein	23149.2
PM11-GWR03	2	0.55 m wide quartz vein	315.4
PM11-GWR04	2	0.55 m wide quartz vein	4477.5
PM11-GWR05	2	quartz vein grab	10074.9
PM11-GWR06	2	1.0 m wide quartz vein	2606.7
PM11-GWR07	2	quartz vein grab	9769.4
PM11-GWR08	2	2.5 m wide quartz vein	13831
PM11-GWR09	2	0.5 m wide quartz vein	782
PM11-GWR24	2	sub angular quartz vein float	1123.1
PM11GWR65	2	angular quartz vein float	5535.7
PM11GWR66	2	angular quartz vein float	25653.3
PM11GWR67	2	angular quartz vein float	60707.5
PM11GWR68	2	angular quartz vein float	65938.5
PM11GWR69	2	angular quartz vein float	47900.1
14806	2	0.5 m wide quartz vein	476.4
PM11-EBR14	2	see Ed's notes	1644.8
PM11-EBR15	2	angular quartz vein float	115.2
PM11-EBR16	2	sub angular quartz vein float	12545.7
PM11-EBR17	2	sub angular quartz vein float	3500.4
PM11-EBR18	2	sub angular quartz vein float	1549.7
PM11-EBR19	2	angular quartz vein float	1971.4
PM11-EBR20	2	angular quartz vein float	3395.1
PM11-EBR22	2	angular quartz vein float	5028.4
PM11-EBR25	2	angular quartz vein float	30547.4
PM11-EBR26	2	angular quartz vein float	19002.1
PM11-GWR01A	2	angular quartz vein float	5128.5
PM11-GWR02A	2	quartz vein grab	8569
PM11-GWR02B	2	0.19 m brecciated andesite	600.5
PM11-GWR02C	2	0.31 wide quartz vein	43799.2
PM11-GWR02D	2	0.18 m altered andesite	322.8
PM11-GWR02E	2	0.20 m altered argillite	166.5
PM11-GWR02F	2	0.48 m wide quartz vein	66236.9
PM11-EBR28	3	angular argillite float with quartz	934.5
PM11GWR70	4	sub angular quartz vein float	176.2
PM11GWR71	4	sub angular quartz vein float	106

Mineralization

The Princeton Project is currently being explored for auriferous quartz vein mineralization. Grid soil sampling, road soil sampling and lithogeochemical sampling in 2011 was successful in locating three areas of anomalous gold-sulphide mineralization.

Table 3 presents highlights of the lithogeochemical analytical results within the claim block. Figure 5 shows the location of the mineralized areas relative to the property boundaries. Area 2 represents the dominant area on the property where 13 samples, collected from outcrop and sub angular to angular quartz float boulders, returned gold values in excess of 10 grams per tonne. Prospecting outlined three distinct areas of quartz float and outcrop composed of rusty weathered, limonite stained quartz with trace to 5%, very fine grain, disseminated pyrite. Quartz vein material locally exhibits remnant vugs and cellular box work texture.

Soil geochemistry conducted over Area 2 was successful in highlighting multiple, linear, parallel gold-in-soil anomalies with the largest being 500 to 650 metres in length.

DEPOSIT TYPES

The Princeton Project is being explored for polymetallic quartz veins and porphyry Cu – Mo deposits. The following description of polymetallic quartz veins is condensed from British Columbia Ore Deposit Models (Lefebure and Church, 1996).

Polymetallic veins occur in virtually all tectonic settings except oceanic, including continental margins, island arcs, continental volcanics and cratonic sequences. They are usually divided into metasediment hosted veins and igneous hosted veins. The polymetallic veins at Princeton would be classified as igneous. Veins typically occur in country rock marginal to an intrusive stock. Typically veins crosscut volcanic sequences and follow volcano- tectonic structures, such as caldera ring-faults or radial faults. In some cases the veins cut older intrusions. The age of these vein is Proterozoic or younger, though mainly Cretaceous to Tertiary in British Columbia.

Polymetallic veins are typically steeply dipping, narrow, tabular or splayed. They commonly occur as sets of parallel and offset veins. Individual veins vary from centimetres up to more than 3 metres wide and can be followed from a few hundred to more than 1000 metres in length and depth. Veins may widen to tens of metres in stockwork zones. Compound veins with a complex paragenetic sequence are common. The veins display a wide variety of textures, including cockade texture, colloform banding and crustifications and locally drusy. Veins may grade into broad zones of stockwork or breccia. Coarse grain sulphides occur as patches and pods, and fine grain disseminations are confined to veins.

Regional faults, fault sets and fractures are an important ore control; however, veins are typically associated with second order structures. Significant polymetallic veins are often restricted to competent lithologies. Dikes are often emplaced along the same faults and in some camps are believed to be roughly contemporaneous with mineralization. Some polymetallic veins are found surrounding intrusions with porphyry deposits or prospects.

Igneous hosted polymetallic veins are generally comprised of quartz, carbonate (rhodochrosite, siderite, calcite, dolomite), sometimes specular hematite, hematite, barite, fluorite. Carbonate species may correlate with distance from source of hydrothermal fluids with proximal calcium and magnesium-rich carbonates and distal iron and manganese-rich species.

Mineralization within the veins consists of: galena, sphalerite, tetrahedrite-tennantite, with lesser sulphosalts including pyrargyrite, stephanite, bournonite and acanthite, native silver, chalcopyrite, pyrite, arsenopyrite and stibnite. Silver minerals often occur as inclusions in galena. Some deposits include native gold and electrum. Rhythmic compositional banding is sometimes present in sphalerite. Some veins contain more chalcopyrite and gold at depth and Au grades are normally low for the amount of sulphides present.

Wall rock alteration is typically limited in extent (measured in metres or less). Metasediments typically display sericitization, silicification and pyritization. Thin veining of siderite or ankerite may be locally developed adjacent to veins.

Black manganese oxide stains are common weathering products and can be used as guide for prospecting. Polymetallic veins are generally strongly structurally controlled and commonly occur in clusters; therefore, the best place to explore for new veins is in the area of known veins. Geochemically, there are generally elevated levels of Zn, Pb, Ag, Mn, Cu, Ba and As associated with the veins. Geophysically, polymetallic veins may have elongate zones of low magnetic response and/or electromagnetic, self-potential or induced polarization anomalies related to ore zones.

Individual vein systems range from several hundred to several million tonnes grading from 5 to 1500 g/t Ag, 0.5 to 20% Pb and 0.5 to 8% Zn. Average grades are strongly influenced by the minimum size of deposit included in the population. For B.C. deposits larger than 20,000 t the average size is 161,000 t with grades of 304 g/t Ag, 3.47 % Pb and 2.66 % Zn. Copper and gold are reported in less than half the occurrences, with average grades of 0.09 % Cu and 4.0 g/t Au.

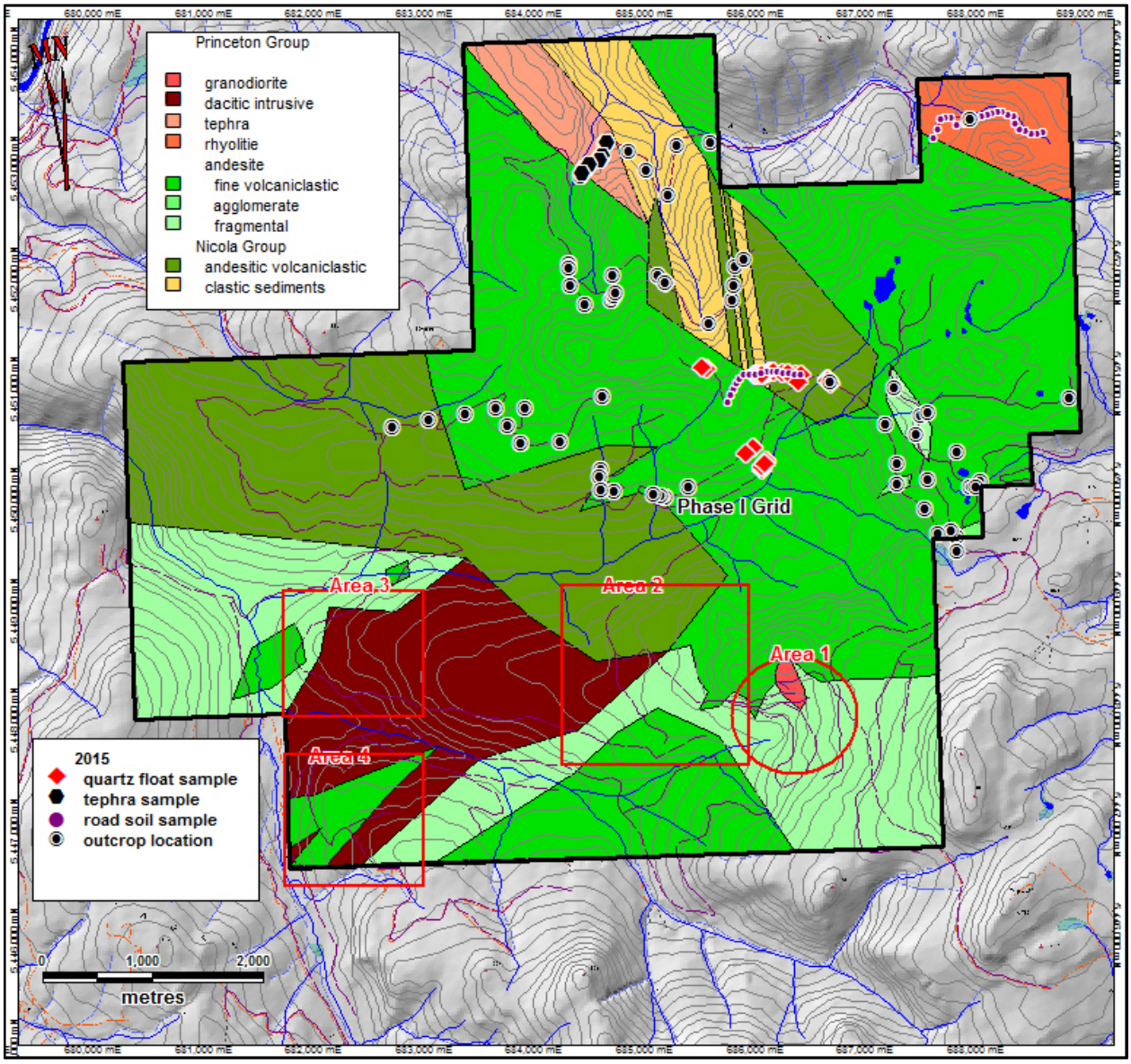
Polymetallic veins usually support small to medium-size underground mines. The mineralization may contain arsenic which typically reduces smelting credits.

British Columbia examples of metasediment hosted polymetallic vein deposits include: the Slocan-New Denver-Ainsworth district, the Trout Lake Camp and St. Eugene Mine. Other examples are the Mayo District in the Yukon and the Couer d'Alene District in Idaho.

EXPLORATION

The 2015 exploration program on the Princeton Project consisted of roadside soil sampling, rock sampling and mapping, concentrating on the three newly acquired claims. A total of 38 road soil samples from two separate locations and 29 quartz float samples were collected. Additionally, 6 samples were taken from the ash fall tuff or tephra unit for whole rock, ICP and Cation Exchange Capacity analysis.

The road soil sampling concentrated in an area of abundant quartz float and over the area suspected to be underlain by rhyolite in the northeast corner of the claim block. Road soil samples were obtained from cut banks above the road at 50 metre intervals measured with a Garmin GPS unit. A 500 to 1000 gram sample was collected from the "B" horizon and placed in pre-numbered soil bags. Each sample location was recorded as a waypoint in a GPS unit in the map datum NAD 83. Sample sites were then flagged with fluorescent ribbon and marked with the sample number.



UTM NAD 83 Zone 10

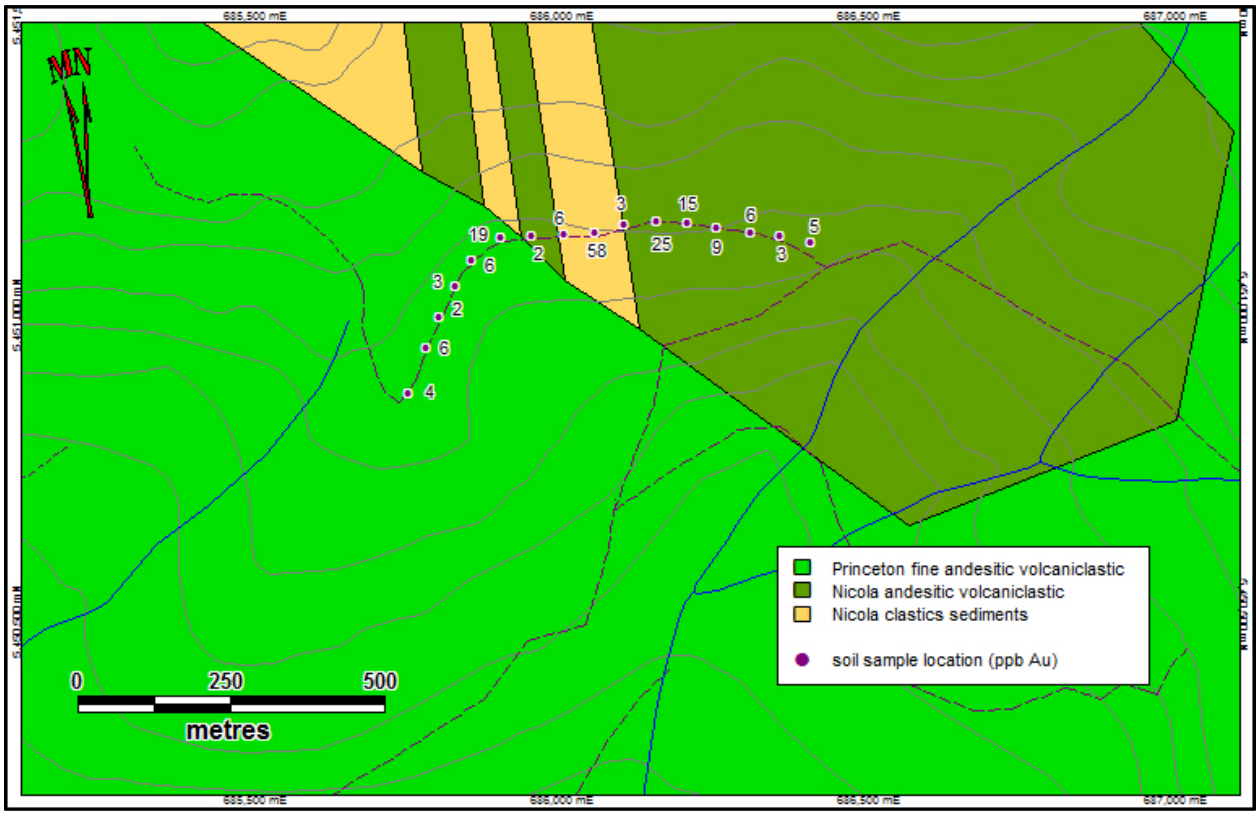
Figure 6. 2015 Sample Locations

The ash fall tuff or tephra samples, ranging in weight from 1-3 kilograms, were collected from outcrop. Each sample was placed in a 6 mil poly sample bag along with a pre-numbered assay ticket. The sample site was marked with the assay ticket number on blue and orange flagging. The sample locations were recorded as waypoints in a Garmin GPS unit.

The quartz float samples also ranged from 1 to 3 kilograms in weight. Where quartz float was noted, all pieces of quartz float within a 1 to 5 metre area where collected, measured and photographed and then in a 6 mil poly sample bag along with a pre-numbered assay ticket. The sample site was marked with the assay ticket number on blue and orange flagging. The sample locations were recorded as waypoints in a Garmin GPS unit.

A total of 67 outcrop locations were logged. The location and outcrop particulars were logged into a Trimble Juno unit running Discover Mobile 3.6 with additional hand notes and Garmin GPS waypoint backup also recorded. All sample and outcrop data was downloaded nightly into a computer. All samples were delivered to ACME Analytical Laboratories in Vancouver for analysis, with the exception of the 6 ash fall tuff samples delivered to ALS Minerals in North Vancouver.

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 to be representative and does not feel there are any factors that would cause sample bias.



UTM NAD 83 Zone 10

Figure 7a. Road Soils Quartz Float Area

The gold road soil results for the quartz float area Group are displayed in Figure 7a. Values of 15, 19, 25 and 58 parts per billion gold were recorded over 300 metre distance with values of 2, 3 and 6 ppb intermixed. This area will need to be followed up with prospecting.

The road soil samples taken over the rhyolite exposure followed more of a skidder trail than a road. The results are plotted as Figure 7b. The maximum value was 4 ppb Au suggesting there is no gold associated with the rhyolite in the area tested.

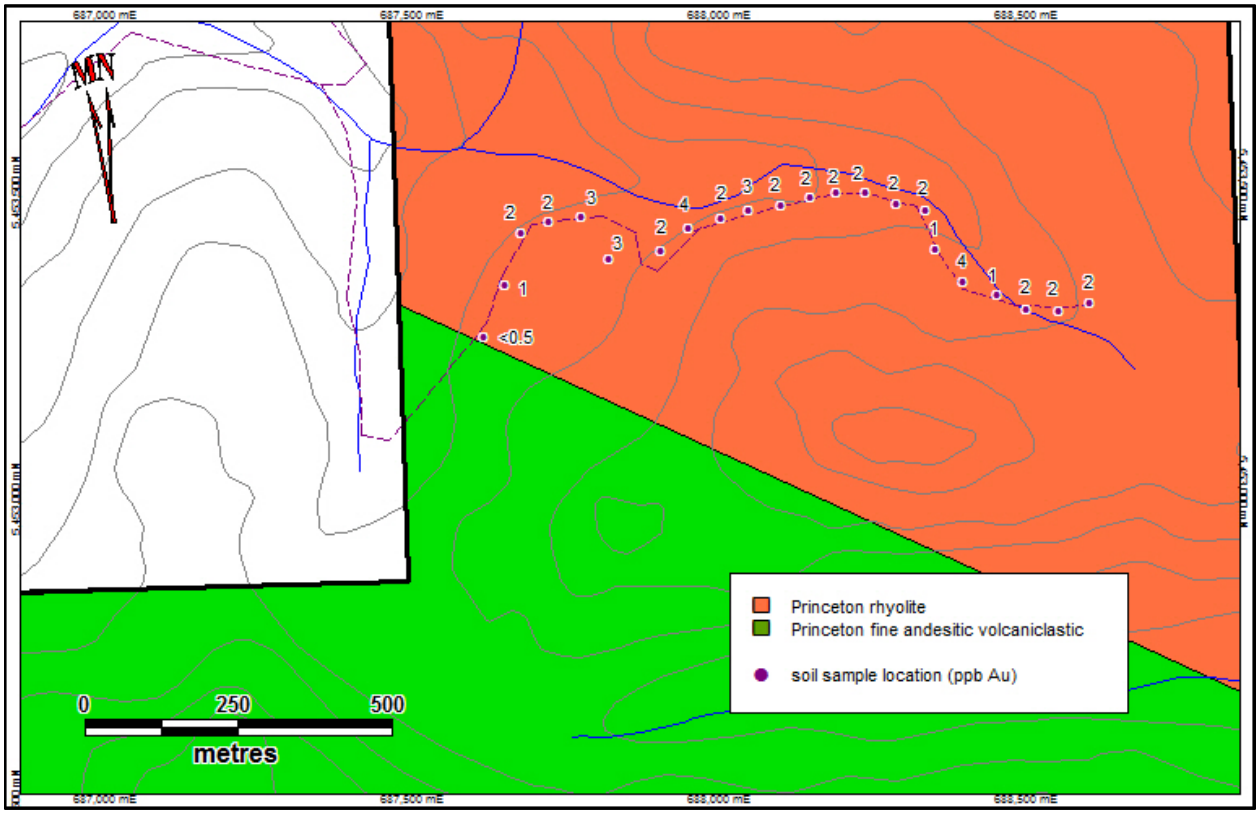


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Figure 7b. Road Soils Rhyolite Area

Plate 3. Anomalous Quartz Float Samples

838462 – 25278 ppb Au

838488 – 1012 ppb Au

The rock sampling was concentrated on quartz float with the aim of locating additional quartz vein structures to complement those found during the 2011 program. Any quartz float noted during the 2015 prospecting and mapping program was identified and the immediate area was prospected for additional occurrences. All individual pieces noted in a 1 to 5 metre area were gathered, measured, counted, described and photographed and then placed in individual sample bags. The quartz float ranged from angular through sub angular to sub rounded in habit. A total of 29 samples were taken. One sample returned a value of 25,273 ppb Au from heavily stained sub angular quartz float and a second sample returned a value of 1012 ppb Au. The assay results are shown in Table 4 and the locations are plotted and anomalous values are highlighted on Figure 8.

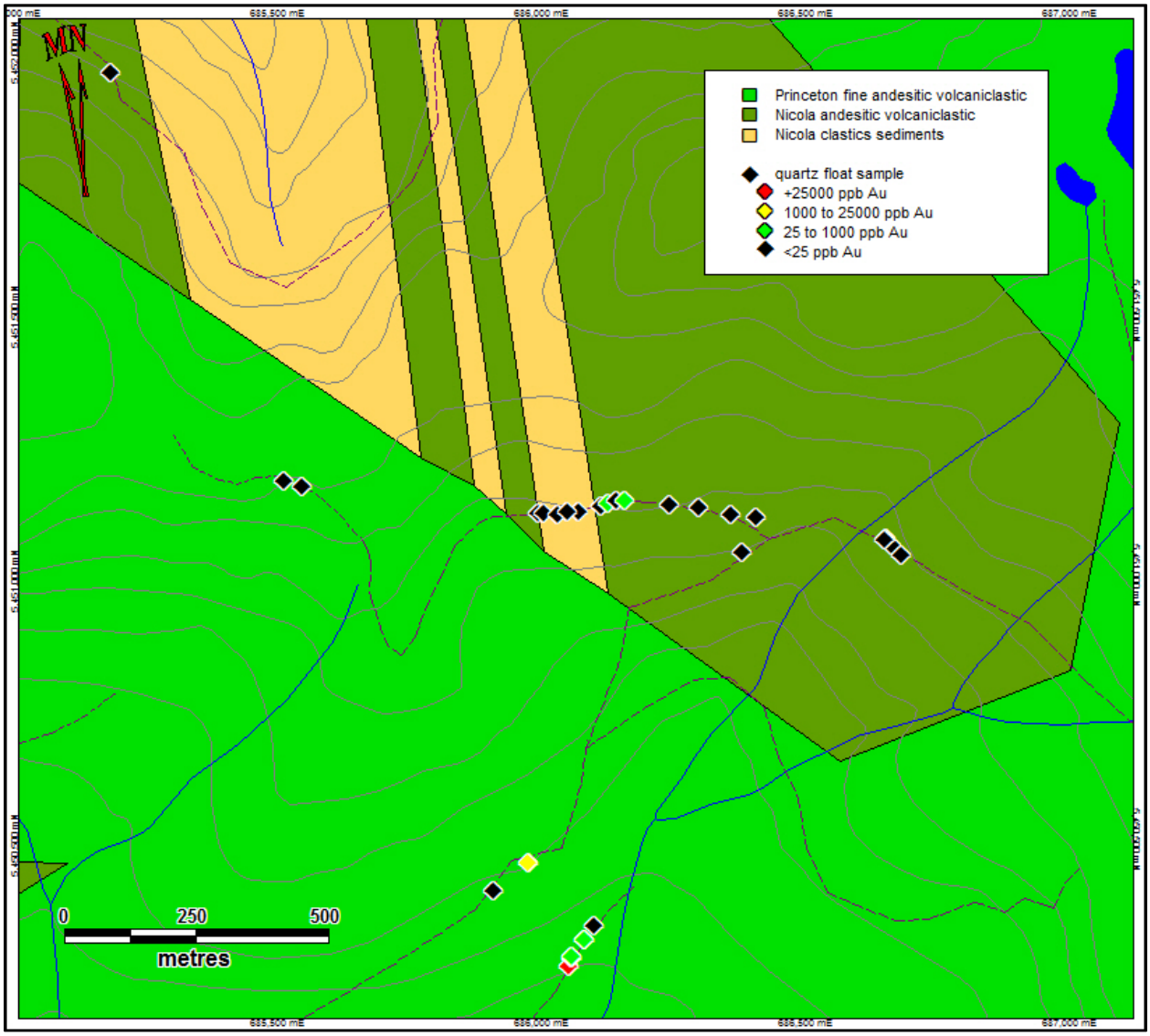

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Figure 8. Quartz Float Samples

Table 4. 2015 Quartz Float Samples

Sample	Habit	Type	ppb Au	Sample	Habit	Type	ppb Au
838462	subang to subrnd	dirty	25278	838477	ang to subang	white	1
838463	subang	dirty	46	838478	subang to subrnd	white	5
838464	subang to subrnd	dirty	96	838479	subang to subrnd	white	<0.5
838465	subang to subrnd	dirty	3	838480	ang to subang	dirty/white	150
838466	subang	dirty	27	838481	ang to subang	white	1
838467	subang	white	5	838482	ang to subang	white	52
838468	ang	dirty	11	838483	ang to subang	white	1
838469	ang to subang	dirty	26	838484	ang to subang	dirty/white	2
838470	ang to subang	dirty	5	838485	ang to subang	dirty/white	1
838471	ang to subang	dirty	1	838486	ang to subang	white	1
838472	ang to subang	dirty	2	838487	ang to subang	white	<0.5
838473	subang to subrnd	dirty	5	838488	ang to subang	dirty/white	1012
838474	ang to subang	white	5	838489	ang	white	28
838475	ang to subang	white	3	838490	ang to subang	dirty/white	2
838476	subang to subrnd	white	1				

ang – angular, subang – subangular, subrnd – subrounded

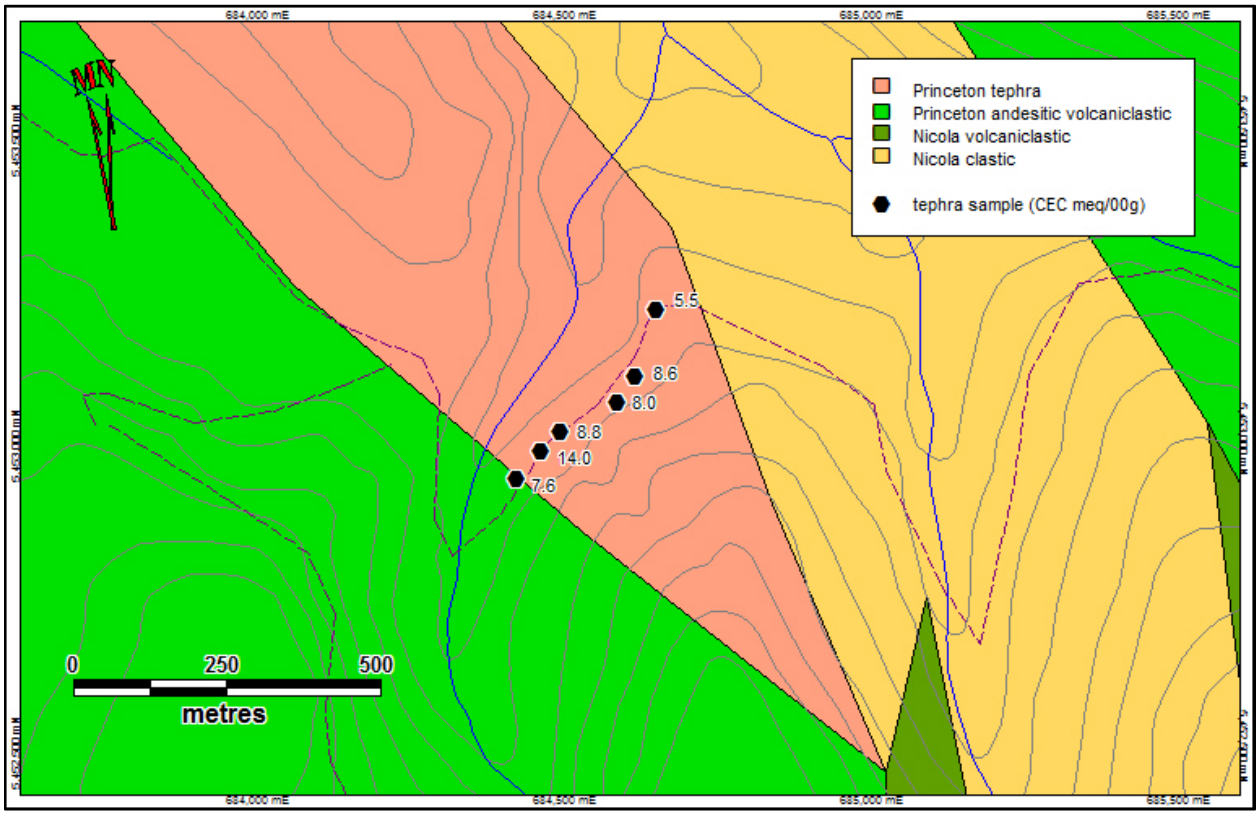

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Figure 9. Tephra Samples

The ash fall tuff or tephra units in the Princeton Group have a tendency to carry zeolites, so six rock samples were taken from the ash fall tuff or tephra unit to test the Cation Exchange Capacity of the tephra. In addition, these samples also received whole rock analyses and ICP analyses. The sample locations with the CEC values are shown in Figure 9. The CEC values are too low to have any economic potential, though the tephra should be sampled along strike, especially to the north as the zeolite content can vary significantly along strike in these units.

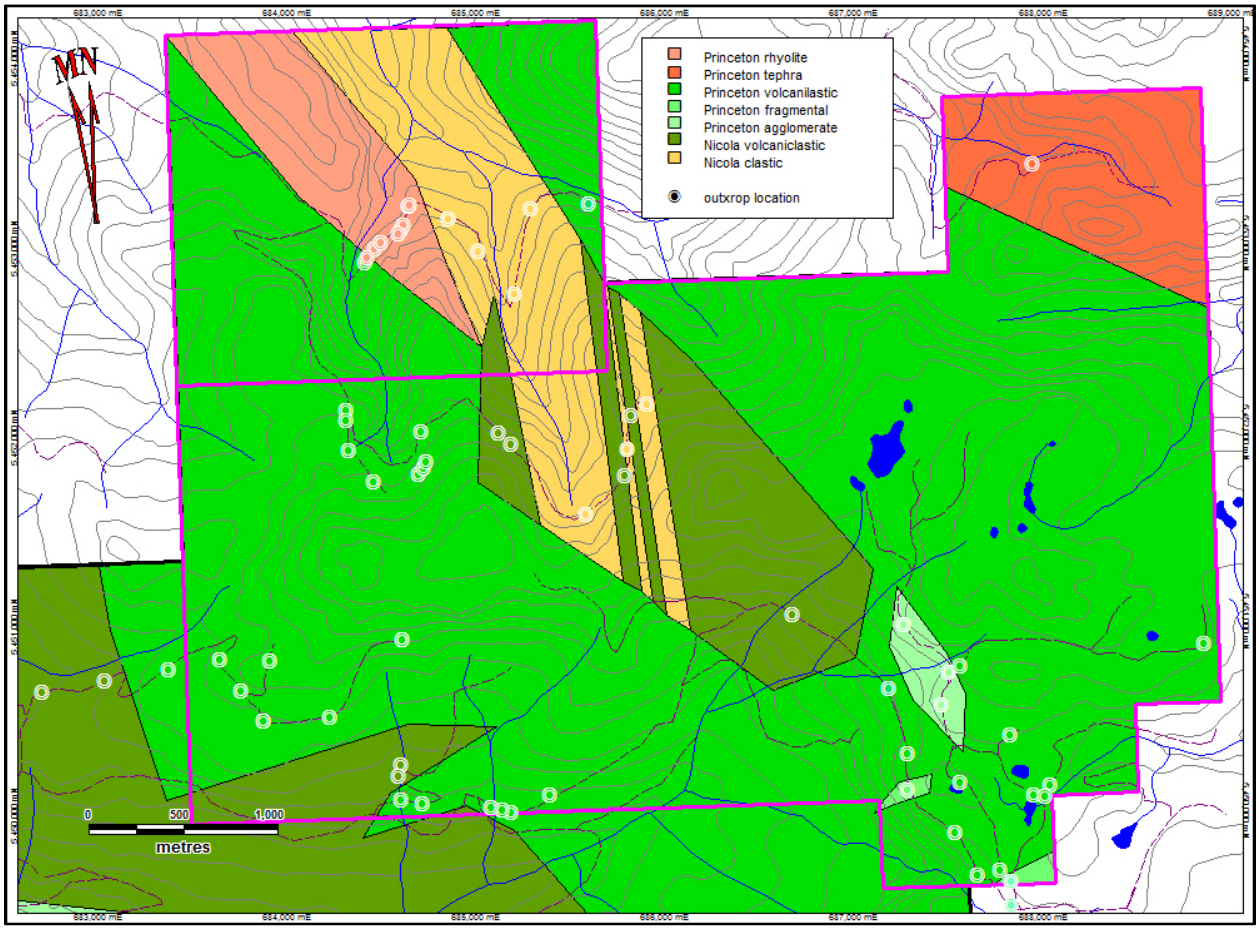

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Figure 10. Outcrop Locations

The mapping resulted in the logging of 67 separate outcrop locations as shown on Figure 9. The pink outline is the boundary of the three recently added claims and the fourth claim added to cover the tephra exposure. The mapping was discussed under the property geology section.

DRILLING

There is no record of diamond drilling on the Princeton Project.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

Samples were returned to Princeton on a daily basis where they were bagged and secured in the motel room. Upon returning to town daily, road soil samples were laid out in numbered sequence, to confirm complete sample succession, and placed in large plastic sample bags in groups of 10 to 15 per bag. Three to five plastic bags were then placed in a rice bag which was secured with a plastic ladder lock strap. The rock samples were similarly checked and placed sequentially into a rice bag which was secured with a plastic ladder lock strap. All samples were delivered by the author at the completion of the program to Bureau Veritas Commodities Canada Ltd. in Vancouver, B.C., with the exception of the six tephra samples delivered to ALS Mineral in North Vancouver, B.C.

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.

No sample splitting or reduction was required since this program represented a preliminary survey.

The road soil and quartz float samples were analyzed at Bureau Veritas Commodities Canada Ltd. in Vancouver, which is certified compliant with the International Standards Organization (ISO) 9001:2000 Model for Quality Assurance.

Wet or damp soil 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.

Rock and Drill Core crushed to 70% passing 10 mesh (2mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis. 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 1007879 B.C. 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 soil and quartz float sample streams. CDN-BL-10 was assayed 120 times, repeated 10 times at 12 different labs. Values ranged from <0.01 ppm (10 ppb) to 0.02 ppm (20 ppb). The 4 analyses ranged from 1.4 ppb Au to 11.6 ppb Au (Table 6).

Table 5. CDN Blank Standard Performance

Sample No	ppb Au	Sample No	ppb Au
838467B	11.6	PPRTH15-005B	2.7
838487B	1.4	PPRTH15-032B	2.3

The 6 tephra samples were analyzed at ALS Minerals in North Vancouver, B.C., which is certified compliant and accredited with the Standards Council of Canada ISO/IEC 17025:2005 International Standards Organization Model for Quality Assurance.

At the ALS Minerals North Vancouver Lab each sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. In the ME-XRF26 whole rock analysis, a calcined or ignited sample (0.9 g) is added to 9.0g of Lithium Borate Flux (50 % - 50 % Li2 B4 O7 – LiBO 2), mixed well and fused in an auto fluxer between 1050 - 1100°C. A flat molten glass disc is prepared from the resulting melt. This disc is then analysed by X-ray fluorescence spectrometry to determine the whole rock analysis values. In the ME-ICP61 analysis, a prepared sample (0.25 g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and the resulting solution is analyzed by inductively coupled plasma-atomic emission spectrometry. Results are corrected for spectral interelement interferences.

A pulp from each of the samples was sent to the ALS Environmental Lab in Saskatoon, Saskatchewan for Cation Exchange Capacity determination. Cation Exchange Capacity is determined by NH_4OAC extraction. The sample is saturated with ammonium, then displaced with sodium. Ammonium in the extract is determined colorimetrically and the values are reported in milliequivalents per 100 grams.

Since there are no commercial CEC standards available to the best of the author's knowledge, a standard was not included. Therefore, the author is relying on the quality control procedures of the ALS Environmental Lab in Saskatoon.

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

DATA VERIFICATION

The author applied minimal verification procedures as he conducted the exploration program. The author either took the samples or supervised Gary Wesa as he took them. A review of the assay data shows no irregularities. The author is therefore satisfied that the data is adequate for the exploration programs it supports for the purpose of this technical report.

MINERAL PROCESSING AND METALLURGICAL TESTING

There has been no mineral processing or metallurgical testing undertaken on the Princeton Project.

MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES

There are presently no mineral reserves or mineral resources on the Princeton Project.

ADJACENT PROPERTIES

This report is not relying on information from adjacent properties.

OTHER RELEVANT DATA AND INFORMATION

There is no additional relevant data or information known that is not disclosed on the Princeton Project.

INTERPRETATION AND CONCLUSIONS

The purpose of the July 2015 program was to prospect and map the new claims added to the northern end of the claim block earlier in 2015. This was accomplished by limited road soil sampling and quartz float sampling. The road soil sampling was confined to an area of abundant quartz float located during the program and a second area over a rhyolite flow located in the northeastern corner of the new claims. The road soiling over the area of abundant quartz float located several anomalous values and this area needs to be followed up. The values from the sampling over the rhyolite returned low gold values.

In addition to the four areas previously identified for follow up exploration from the 2011 program, a fifth area (2a) was identified. This is the area of abundant quartz float located during the 2015 program. Area 2a appears to be the continuation of Area 2 northward along a suspected corridor of abundant quartz as shown in Figure 11. This area should be the main focus of future exploration programs as first detailed in the report on the 2011 exploration program (Henneberry and Wesa, 2012). The conclusion from that report remains valid as the subsequent exploration programs have done nothing to diminish the potential of the quartz targets with the 2015 program suggesting there may be a structurally controlled, deeper gold bearing system as indicated by the quartz corridor.

A brief summary of the other three areas is as follows:

- Area 1 is underlain by Eocene volcaniclastic and basaltic rocks intruded by a small granodioritic plug. The contacts of the plug appear to be gossanous suggesting the presence of iron oxides. The sampling in 2011 located angular quartz cobbles and boulders. Very little quartz was noted in outcrop, suggesting the quartz was transported, though the angular nature of the quartz suggests a relatively proximal source.

- Area 3 is underlain by Eocene volcaniclastics and dacites. Two samples of quartz veinlets within rusty volcaniclastics were taken. The 2014 road soil sampling in the area did not locate any significant anomalies.

- Area 4 is underlain by the Eocene dacites and volcaniclastics. Zones of quartz veins up to 40 centimetres were sampled in 2011 with one returning a value in excess of 150 ppb Au. The area was not road soil sampled in the 2014 program as it was done in 2011, where anomalies along both roads sampled in the area could suggest linear structure. The anomalies need to be field checked.

The author is not aware of any significant risks and uncertainties that could reasonably be expected to affect the reliability or confidence in the exploration information.

RECOMMENDATIONS

The recommendations from Henneberry and Wesa's (2012) report remain more or less valid, though have been modified as some have been completed and are summarized below:

1) *Preliminary mapping to prepare a geological map and to establish the host lithology enclosing the quartz veins discovered during the 2011 field program* (completed)
2) *Prospect Areas 1 and 3, and a gold-in-soil anomaly in the northern portion of Phase I grid.* (partially completed as Areas 1 and 3 were prospected)
3) Excavator trench to bedrock in the vicinity of Area 2 quartz veins and quartz float boulders, and possibly over other zones of elevated gold-in-soil values within the grid area. Chip sample all exposures.
4) Diamond drilling should follow up favourable chip sampling results.
5) Grid Induced Polarization (IP) survey the entire Phase 1 grid to detect buried structural features.

The accompanying budget (Table 6) is for the remainder of the prospecting program and the excavator trenching program (recommendations 2 and 3). It is based on a 30 days program for a field crew of three and includes the permitting for trenching, 200 hours of excavator trenching and analysis of samples. The cost is estimated at $200,000.

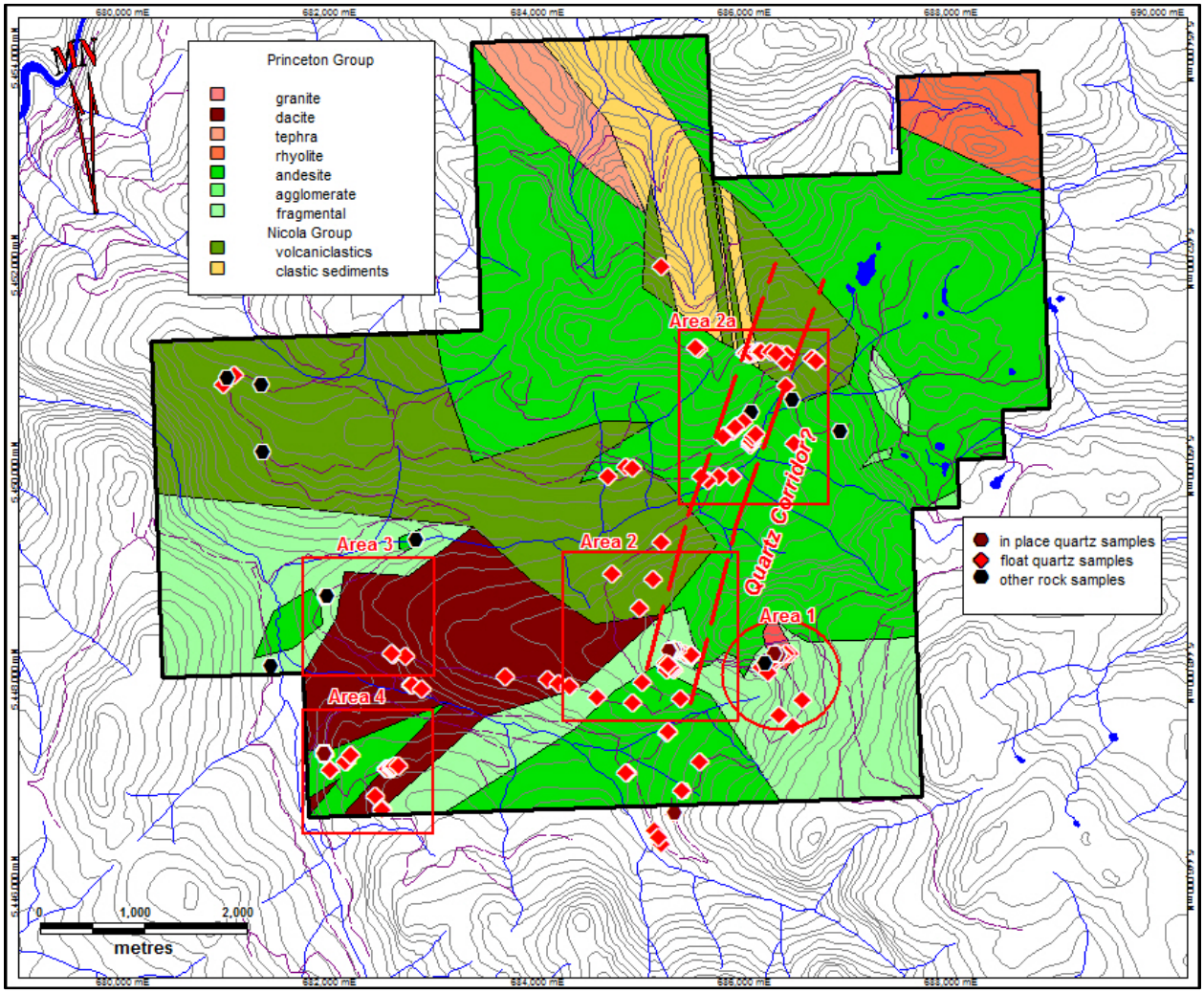

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Figure 11. Quartz Corridor

Table 6. 2016 Budget

Supervision	$16,000
Field Personnel	$49,500
Room and Board	$11,000
Sundries	$5,000
Vehicles and Fuel	$10,000
Excavator	$42,500
Analysis	$31,750
Permitting	$5,000
Documentation	$10,000
Contingency	$19,250
Total	**$200,000**

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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 do hereby certify that: I am the Qualified Person for:

1007879 B.C. Ltd.
1780 - 400 Burrard Street
Vancouver, B.C. V6C 3A6

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

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

I have practiced my profession continuously for 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:

- 35 years of exploration experience for base and precious metals in the Western Cordillera
- Continuing association with the various claim blocks of the Princeton Project since 2008

I am responsible for the preparation of the technical report titled "2015 Geological and Geochemical Report Princeton Project" and dated September 28, 2015 relating to the Princeton Project. I conducted the exploration program documented in this report between July 5 and July 10, 2015.

I have reviewed the data and written the assessment reports for the various clams of the Princeton Project since 2008, so I have had prior involvement with the property that is the subject of the Technical Report.

As of September 28, 2015, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

I am independent of the issuer after applying all of the tests in section 1.4 of NI 43-101.

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 September 28, 2015.

R Tim Henneberry

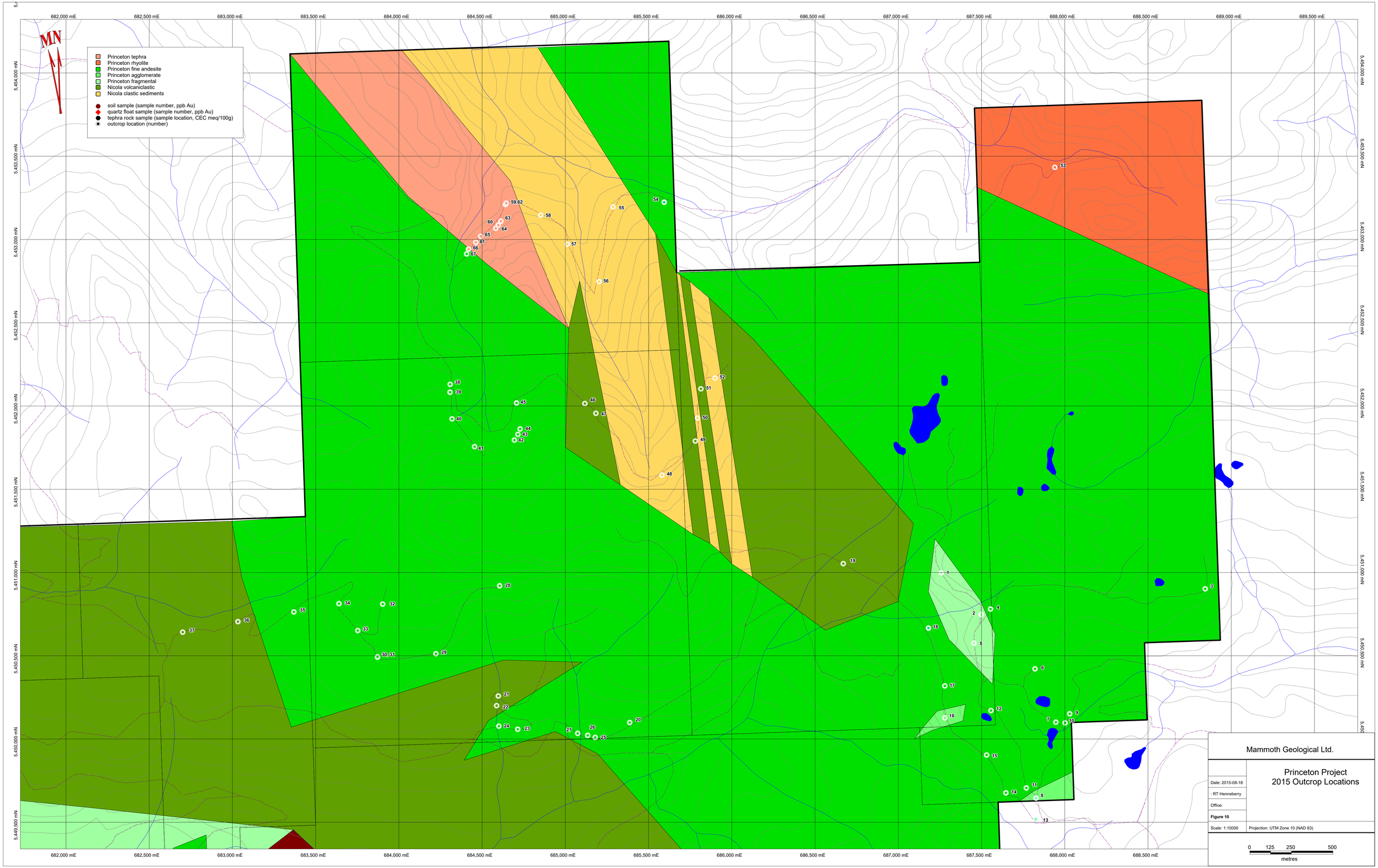
_____

R.Tim Henneberry, P.Geo

STATEMENT OF COSTS

Field work was completed between July 5 and July 10, 2015.
Zeolite assays were completed after July 12, 2015

						pre Jul 12	post Jul 12
Field Crew							
Tim Henneberry	6	days	@	$800	/day	$4,800	
Gary Wesa	5.5	days	@	$650	/day	$3,575	
Vehicle Rentals							
Mammoth	6	days	@	$100	/day	$600	
Supervision							
Tim Henneberry	10	hours	@	$125	/hour	$1,250	
Documentation							
Tim Henneberry	30	hours	@	$125	/hour	$3,750	
Tim Henneberry	10	hours	@	$125	/hour		$1,250
Expenses							
Travel						$216.65	
Hotel						$1,290.90	
Meals						$524.35	
Fuel						$251.26	
Supplies						$93.19	
Service charge						$237.64	
Analysis							
Work Order	Invoice						
VAN15001685	VANI231725					$717.60	
VAN15001686	VANI232033					$692.41	
VA15102687	3384793						$360.01
VA15102687	E1292204						$186.90
Service (10%)						$141.00	$54.69
GST (GST Number 133959049)						$907.00	$92.58
Total Program						**$19,047.00**	**$1,944.18**
Less GST (Filed)						**$18,140.00**	**$1,851.60**


MN
Princeton tephra
Princeton rhyolite
Princeton fine andesite
Princeton agglomerate
Princeton fragmental
Nicola volcaniclastic
Nicola clastic sediments
soil sample (sample number, ppb Au)
quartz float sample (sample number, ppb Au)
tephra rock sample (sample location, CEC meq/100g)
outcrop location (number)
682,000 mE
682,500 mE
683,000 mE
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689,500 mE
5,454,000 mN
5,453,500 mN
5,453,000 mN
5,452,500 mN
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5,450,500 mN
5,450,000 mN
5,449,500 mN
Mammoth Geological Ltd.
Princeton Project
2015 Outcrop Locations
Date: 2015-08-18
: RT Henneberry
Office:
Figure 10
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)
0 125 250 500
metres

2015 Outcrops

OC #	Outcrop ID.	83Z10E	83Z10N	Group	Lithology	Lithofacies	Texture	Alteration_Mineralogy	Alteration_Distribution	Sulfides	Strike/Dip	Weathered	Fresh	Form	Size
1	07-06-01	687258.7	5451001	Princeton	volcaniclastic	schistose tuff	medium	limonite, manganese	weak	NVM		brown	grey brown	broken	30m
2	07-06-02	687497.4	5450749	Princeton	volcaniclastic	schistose tuff	medium	fresh		NVM		brown	grey brown	broken	10m
3	07-06-03	688843.6	5450904	Princeton	volcaniclastic	fine andesite	fine	silicified, manganese	weak	NVM		grey brown	dark grey		10m
4	07-06-04	687553.8	5450783	Princeton	volcaniclastic	fine andesite	fine	silicified Mn	weak	NVM		grey brown	dark grey		50m discontinuous
5	07-06-05	687453.9	5450578	Princeton	volcaniclastic	schistose tuff	medium	none		NVM		brown	grey brown	massive	20m
6	07-06-06	687821.2	5450424	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		6m
7	07-06-07	687946.3	5450103	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	grey green	broken	
8	07-06-08	687827.5	5449647	Princeton	volcaniclastic	agglomerate	medium	hematite	medium	NVM		grey red		bombs to 15cm	3m
9	07-06-09	688029.6	5450154	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		155m
10	07-06-10	688002.3	5450099	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		5m
11	07-06-11	687769.3	5449708	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		30m discontinuous
12	07-06-12	687556.7	5450173	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		10m
13	07-06-13	687825.6	5449521	Princeton	volcaniclastic	agglomerate	medium	hematite	medium	NVM		grey red		bombs to 15cm	5m
14	07-06-14	687646.3	5449679	Princeton	volcaniclastic	fine andesite	fine	fracture limonite		NVM		grey brown	dark grey		7m
15	07-06-15	687530.1	5449906	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		3m
16	07-06-16	687279.8	5450129	Princeton	volcaniclastic	agglomerate	medium	hematite	pervasive	NVM		grey red		bombs to 15cm	100m discontinuous
17	07-06-17	687279.4	5450321	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey		100m discontinuous
18	07-06-18	687181.4	5450668	Princeton	volcaniclastic	fine andesite	fine	epidote	weak	NVM		grey brown	dark grey	blocky	20m
19	07-06-19	686669.5	5451055	Nicola	volcaniclastic	fine andesite	fine	limonite, FeOx	medium	NVM		rusty brown	grey black	broken	2m
20	07-07-01	685386.8	5450101	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	
21	07-07-02	684597.3	5450261	Nicola	volcaniclastic	fine andesite	fine	limonite fracs	medium	trace pyrite		rusty brown	grey green	broken	30m discontinuous
22	07-07-03	684587.1	5450203	Nicola	volcaniclastic	fine andesite	fine	limonite fracs	medium	trace pyrite		rusty brown	grey green	broken	8m
23	07-07-04	684714	5450061	Princeton	volcaniclastic	fine andesite	fine	chloritized hornblende		NVM		grey brown	dark grey	blocky	10m
24	07-07-05	684600.3	5450079	Princeton	volcaniclastic	fine andesite	fine	limonite, FeOx, manganese	pervasive	trace pyrite		brown	brown		
25	07-07-06	685179.3	5450012	Princeton	volcaniclastic	agglomerate	fine	none		NVM		grey red		bombs to 15cm	
26	07-07-07	685134.2	5450024	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	10m
27	07-07-08	685074	5450036	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	5m
28	07-07-09	684605.1	5450922	Princeton	volcaniclastic	fine andesite	fine	hematite	medium	NVM		grey brown	dark grey	blocky	15m
29	07-07-10	684222.3	5450514	Princeton	volcaniclastic	fine andesite	fine	hematite	medium	NVM		grey brown	dark grey	blocky	30m
30	07-07-11a	683871.7	5450494	Princeton	volcaniclastic	fine andesite	fine	none		NVM		grey brown	dark grey	blocky	
31	07-07-11b	683871.7	5450496	Princeton	volcaniclastic	agglomerate	fine	hematite	medium	NVM		grey red		bombs to 15cm	
32	07-07-12	683902.6	5450812	Princeton	volcaniclastic	fine andesite	fine	silicified, hematite	weak	NVM		grey brown	dark grey	blocky	75m discontinuous
33	07-07-13	683752.9	5450654	Princeton	volcaniclastic	fine andesite	fine	limonite, Mn fracs	weak	NVM		grey brown	dark grey	platy	50m discontinuous
34	07-07-14	683640	5450815	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	50m discontinuous
35	07-07-15	683369.2	5450766	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	25m
36	07-07-16	683033	5450707	Nicola	volcaniclastic	fine andesite	fine	silicified limFeox	weak	NVM		rusty brown	grey green	shattered	30m discontinuous
37	07-07-17	682701.4	5450644	Nicola	volcaniclastic	conglomerate	fine	limonite, clay		NVM		light brown			15m
38	07-09-01	684307.9	5452132	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	2m
39	07-09-02	684307.2	5452085	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	2m
40	07-09-03	684319.3	5451925	Princeton	volcaniclastic	fine andesite	fine	fresh		NVM		grey brown	dark grey	blocky	6m
41	07-09-04	684454.6	5451758	Princeton	volcaniclastic	fine andesite	fine	hematite	pervasive	NVM		pink	brick red	blocky	2m
42	07-09-05	684694	5451797	Princeton	volcaniclastic	fine andesite	fine	sericite	medium	NVM		grey brown	dark grey	blocky	10m
43	07-09-06	684714.9	5451831	Princeton	volcaniclastic	fine andesite	fine	sericite	medium	NVM		grey brown	dark grey	blocky	2m
44	07-09-07	684728.2	5451864	Princeton	volcaniclastic	fine andesite	fine	hematite	pervasive	NVM		pink	brick red	blocky	2m
45	07-09-08	684706.7	5452020	Princeton	volcaniclastic	fine andesite	fine	limonite fracs	weak	NVM		grey brown	black	shattered	20m discontinuous
46	07-09-09	685117.3	5452017	Nicola	volcaniclastic	fine andesite	fine	limonite fracs	medium	NVM		grey brown	grey black	shattered	7m
47	07-09-10	685183.6	5451958	Nicola	volcaniclastic	local shards	medium	limonite, FeOx	medium	NVM		grey brown	grey black	shattered	7m
48	07-09-11	685580.2	5451587	Nicola	argillite	fine grained	fine	limonite, FeOx	weak	NVM		grey brown	grey black	shattered	25m discontinuous
49	07-09-12	685780.7	5451792	Nicola	volcaniclastic	fine andesite	fine	limonite, FeOx, hematite	medium	NVM		grey brown	grey black	broken	75m discontinuous
50	07-09-13	685793.7	5451930	Nicola	argillite	fine grained	fine	limonite, FeOx	medium	NVM	158/73NE	grey brown	grey black	shattered	50m discontinuous
51	07-09-14	685814.4	5452105	Nicola	volcaniclastic	fine andesite	fine	limonite, FeOx	weak	NVM		grey brown	grey black	broken	20m discontinuous
52	07-09-15	685898.6	5452170	Nicola	argillite	fine grained	fine	limonite, FeOx	medium	NVM	020/60W	grey brown	grey black	shattered	15m
53	07-09-16	687940.6	5453435	Princeton	rhyolite volcaniclastic	porphyritic	fine	clay	medium	NVM		bleached tan	light brown	broken	4m subcrop knob
54	07-09-17	685593.8	5453226	Princeton	volcaniclastic	fine andesite	fine	limonite, FeOx	weak	NVM		grey brown	dark grey	blocky	20m discontinuous

2015 Outcrops

55	07-09-18	685286.1	5453198	Nicola	argillite	fine grained	fine	silicic limonite, Feox	weak	NVM	160/73E	grey brown	grey black	banded	50m discontinuous
56	07-09-19	685202.4	5452749	Nicola	argillite	fine grained	fine	limonite, FeOx	weak	NVM		grey brown	grey black	banded	sporadic from 18
57	07-09-20	685011.4	5452974	Nicola	argillite	fine grained	fine	limonite, FeOx	weak	NVM		grey brown	grey black	banded	7m discontinuous
58	07-09-21	684851.7	5453149	Nicola	argillite	fine grained	fine	fresh		NVM		grey brown	grey black	blocky	50m discontinuous
59	07-09-22	684640	5453212	Princeton	rhyolite volcaniclastic	rhyolite flow	fine	bleached silicified	weak	NVM		grey white	grey white	broken	8m
60	07-09-23	684597	5453088	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 22
61	07-09-24	684461.8	5452985	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 23
62	07-09-24a	684645	5453220	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 24
63	07-09-24b	684613	5453112	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 24a
64	07-09-24c	684582	5453069	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 24b
65	07-09-24d	684491	5453021	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 24c
66	07-09-24e	684418	5452944	Princeton	tephra	ash fall tuff	fine	bleached silicified	weak	NVM		grey white	grey white	broken	discontinuous from 24d
67	07-09-25	684407.1	5452916	Princeton	volcaniclastic	lapilli tuff	fine	fresh		NVM		grey brown	grey	broken	100m discontinuous

MN

- Princeton tephra
- Princeton rhyolite
- Princeton fine andesite
- Princeton agglomerate
- Princeton fragmental
- Nicola volcaniclastic
- Nicola clastic sediments

- soil sample (sample number, ppb Au)
- quartz float sample (sample number, ppb Au)
- tephra rock sample (sample location, CEC meq/100g)
- outcrop location (number)

682,000 mE | 682,500 mE | 683,000 mE | 683,500 mE | 684,000 mE | 684,500 mE | 685,000 mE | 685,500 mE | 686,000 mE | 686,500 mE | 687,000 mE | 687,500 mE | 688,000 mE | 688,500 mE | 689,000 mE | 689,500 mE

5,454,000 mN | 5,453,500 mN | 5,453,000 mN | 5,452,500 mN | 5,452,000 mN | 5,451,500 mN | 5,451,000 mN | 5,450,500 mN | 5,450,000 mN | 5,449,500 mN

RTH15-038, 4
RTH15-037, 1
RTH15-036, 2
RTH15-035, 2
RTH15-034, 3
RTH15-033, 3
RTH15-032, 2
RTH15-031, 4
RTH15-030, 2
RTH15-029, 3
RTH15-028, 2
RTH15-027, 2
RTH15-026, 2
RTH15-025, 2
RTH15-024, 2
RTH15-023, 2
RTH15-022, 1
RTH15-021, 2
RTH15-020, 4
RTH15-019, 1
RTH15-018, 2
RTH15-017, 2

RTH15-001, 4
RTH15-002, 8
RTH15-003, 2
RTH15-004, 3
RTH15-005, 16
RTH15-006, 19
RTH15-007, 2
RTH15-008, 6
RTH15-009, 58
RTH15-010, 5
RTH15-011, 25
RTH15-012, 35
RTH15-013, 9
RTH15-014, 6
RTH15-015, 5
RTH15-016, 5

Mammoth Geological Ltd.

Princeton Project
2015 Soil Samples

Date: 2015-08-18
: RT Henneberry
Office:
Figure 7
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

2015 Soil Samples

Description	83Z10E	83Z10N	Altitude	Depth	Colour	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
RTH15-001	685747	5450871	1751	10	brown	VAN15001685	3.7	27.8	6.4	97	0.3	20.4	7.6	383	2.4	8	3.8	1.6	38	0.4	0.7
RTH15-002	685775	5450943	1752	10	brown	VAN15001685	2	19.8	7.3	102	0.4	20.2	7.4	441	2.14	6.3	5.9	1	34	0.5	0.4
RTH15-003	685797	5450995	1749	10	brown	VAN15001685	1.8	23.9	5.7	117	0.3	22.1	8.8	341	2.56	5.7	2.1	1.5	36	0.4	0.4
RTH15-004	685824	5451045	1745	10	brown	VAN15001685	1.3	23.6	7.4	124	0.4	20.5	7.5	387	2.14	7.2	3.1	1.1	33	0.4	0.3
RTH15-005	685850	5451087	1743	10	brown	VAN15001685	5.3	26.2	6.5	315	0.4	29.2	10.5	399	2.31	15.5	5.7	1	25	2	1.1
RTH15-006	685898	5451123	1742	10	brown	VAN15001685	6.6	30.2	7.4	330	0.7	34	11.3	505	2.56	18.1	19.2	1.2	24	2.9	1.3
RTH15-007	685948	5451127	1735	10	brown	VAN15001685	4.4	31.4	7.5	213	0.9	27.7	10	313	2.71	12.7	2.3	1.3	27	0.8	1.1
RTH15-008	686000	5451128	1727	10	brown	VAN15001685	3.2	22.5	6.6	156	0.5	19.3	7.9	392	2.25	18.1	6.1	1.1	28	0.9	0.6
RTH15-009	686050	5451132	1721	10	brown	VAN15001685	2.2	20	6.9	190	0.6	18.5	8.2	370	2.16	18.2	58.1	0.8	23	1	0.5
RTH15-010	686098	5451144	1718	10	brown	VAN15001685	3.6	24.9	6.7	143	0.3	18.5	7.8	281	2.35	13.7	3.4	1.3	25	0.6	0.5
RTH15-011	686151	5451151	1718	10	grey	VAN15001685	4.7	54.6	7.7	132	0.5	32.8	11.9	643	3.5	50.7	25.3	2.2	46	1	1.9
RTH15-012	686203	5451148	1715	10	grey	VAN15001685	9.7	58.5	8.8	158	0.9	29.8	12	552	3.74	30.7	14.6	2.2	43	1.2	2.6
RTH15-013	686249	5451139	1711	10	grey	VAN15001685	4.8	36	7.9	160	0.6	22.3	8.7	581	2.63	16.3	8.6	1.6	34	0.9	0.8
RTH15-014	686306	5451132	1703	10	grey	VAN15001685	2.6	28.2	7.1	133	0.7	21.8	7.5	480	2.17	11.1	6	1.4	41	0.8	0.5
RTH15-015	686353	5451126	1696	10	grey	VAN15001685	2.9	24.5	6.2	113	0.3	19.5	8.1	258	2.3	11.8	2.6	1.4	31	0.4	0.5
RTH15-016	686404	5451116	1690	10	grey	VAN15001685	3.9	28.7	5.6	75	0.2	16.2	8.8	413	2.55	14.7	4.9	1.6	51	0.2	0.8
RTH15-017	688603	5453318	1804	10	red	VAN15001685	1.2	13.7	15.4	72	0.2	9.5	3	110	1.67	2.7	1.9	1.2	13	0.2	<0.1
RTH15-018	688551	5453303	1803	10	brown	VAN15001685	2.3	20.5	25.3	107	0.2	16.4	5.8	283	2.06	2.7	2.1	1.1	34	0.4	0.1
RTH15-019	688499	5453306	1801	10	grey	VAN15001685	3	30.5	38	124	0.1	18.8	9.2	524	2.53	3.4	1.7	2	60	0.6	0.1
RTH15-020	688452	5453331	1798	10	brown	VAN15001685	2.5	22.8	26.5	125	0.2	21.2	6.3	161	2.53	4.6	0.9	2.3	19	0.5	0.1
RTH15-021	688396	5453351	1795	10	grey	VAN15001685	2	25.3	25.1	97	0.3	16.1	5	177	2.15	3.7	3.5	1.5	24	0.3	0.1
RTH15-022	688350	5453404	1790	10	grey brown	VAN15001685	2	22.7	27.8	90	0.1	13.9	6.1	197	2.07	3.2	1.3	2	34	0.2	<0.1
RTH15-023	688335	5453467	1784	10	brown	VAN15001685	2.5	25.5	32.3	111	0.2	16.3	6.9	272	2.37	3.9	1.6	1.9	36	0.2	<0.1
RTH15-024	688286	5453480	1781	10	brown	VAN15001685	2	23.1	29.4	103	0.3	14.7	5.7	207	2.06	2.5	2.2	1.1	36	0.2	<0.1
RTH15-025	688236	5453498	1774	10	brown	VAN15001685	2.2	23.1	30.1	106	0.2	16.7	6.1	317	2.06	3.1	2	1.9	36	0.3	<0.1
RTH15-026	688190	5453497	1769	10	brown	VAN15001685	1.1	18.9	24.9	79	0.3	12.2	3.5	142	1.41	2.5	1.6	0.8	28	0.3	<0.1
RTH15-027	688147	5453488	1766	10	grey	VAN15001685	1.9	22.2	53.1	142	0.3	17.2	5.9	355	1.98	3.4	1.6	1	42	0.4	0.1
RTH15-028	688099	5453476	1762	10	brown	VAN15001685	2.4	33	35.7	158	0.2	22	7.5	386	2.31	5.8	2	1.7	34	0.7	0.2
RTH15-029	688047	5453469	1758	10	brown	VAN15001685	2.5	38.9	34.6	166	0.2	20.3	7.6	372	2.18	5.6	3	2.1	30	1.1	0.2
RTH15-030	688000	5453454	1754	10	brown	VAN15001685	2.4	35.5	36.3	172	0.2	20	7.8	463	2.12	6.4	1.5	2	29	1.4	0.2
RTH15-031	687948	5453439	1751	10	brown	VAN15001685	7.3	72.6	132.7	140	0.3	19.2	8.1	366	3.42	13.4	3.8	3.2	35	0.5	0.1
RTH15-032	687902	5453402	1748	10	brown	VAN15001685	3.4	22.3	64.6	113	0.3	13.1	6	182	2.22	6.8	1.6	1.8	16	0.4	<0.1
RTH15-033	687818	5453390	1742	10	brown	VAN15001685	2.1	20.6	20.7	144	0.4	20.6	6.8	229	2.05	3.4	3.2	1.4	22	0.7	0.1
RTH15-034	687774	5453457	1730	10	grey	VAN15001685	2.8	43.4	28.7	130	0.3	26	10.6	390	2.88	7.7	2.9	2.8	43	0.7	0.1
RTH15-035	687721	5453449	1729	10	brown	VAN15001685	1.8	6.9	12.4	58	0.4	4.5	4.1	362	1.49	2.3	1.6	1.4	5	0.4	<0.1
RTH15-036	687675	5453432	1728	10	brown	VAN15001685	2.5	11.6	19.3	112	0.3	8.3	4.4	649	1.58	2.8	1.7	1.6	13	0.9	<0.1
RTH15-037	687650	5453347	1724	10	red	VAN15001685	3.1	5.2	11.2	62	0.1	5.5	3.2	215	1.98	2.6	0.6	2	7	0.2	0.1
RTH15-038	687614	5453263	1720	10	red	VAN15001685	2.1	13.7	15.9	113	0.3	10.9	4.7	180	2.07	3.4	<0.5	2	13	0.4	0.1

2015 Soil Samples

Description	ppm Bi	ppm V	% Ca	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
RTH15-001	0.1	68	0.19	0.088	8	31	0.43	234	0.085	1	2.28	0.018	0.08	<0.1	0.04	4.3	0.1	<0.05	6	1.1	<0.2
RTH15-002	0.1	54	0.26	0.079	6	25	0.36	283	0.082	2	2.1	0.02	0.07	<0.1	0.06	2.9	<0.1	<0.05	6	0.5	<0.2
RTH15-003	0.1	64	0.21	0.072	7	35	0.52	255	0.1	1	2.35	0.023	0.08	<0.1	0.03	4.4	<0.1	<0.05	7	<0.5	<0.2
RTH15-004	0.1	52	0.24	0.091	6	26	0.4	181	0.095	2	2.44	0.022	0.06	<0.1	0.05	3.1	<0.1	<0.05	7	<0.5	<0.2
RTH15-005	0.1	71	0.32	0.112	6	24	0.43	172	0.064	2	1.99	0.019	0.06	0.1	0.06	3.5	0.1	<0.05	6	1.1	<0.2
RTH15-006	0.1	73	0.17	0.078	6	23	0.41	164	0.072	1	2.08	0.015	0.09	0.1	0.04	3.5	0.2	<0.05	6	1.3	<0.2
RTH15-007	0.1	77	0.26	0.06	8	27	0.48	216	0.079	<1	2.54	0.02	0.09	<0.1	0.04	3.9	0.1	<0.05	7	1	<0.2
RTH15-008	0.1	57	0.3	0.076	6	22	0.44	160	0.073	1	1.99	0.022	0.06	<0.1	0.06	3.6	<0.1	<0.05	6	1.1	<0.2
RTH15-009	0.1	55	0.22	0.086	6	19	0.39	162	0.08	1	1.9	0.017	0.06	<0.1	0.04	3.1	<0.1	<0.05	6	0.6	<0.2
RTH15-010	0.1	55	0.23	0.068	7	19	0.35	168	0.073	<1	1.99	0.018	0.1	<0.1	0.03	3.1	0.1	<0.05	6	1	<0.2
RTH15-011	0.1	93	0.57	0.068	10	36	0.83	149	0.099	<1	2.01	0.05	0.22	<0.1	0.02	6.9	0.2	<0.05	6	1.7	<0.2
RTH15-012	0.1	90	0.42	0.086	12	36	0.67	161	0.081	1	2.03	0.029	0.27	0.1	0.05	6.3	0.2	<0.05	6	3.5	<0.2
RTH15-013	0.1	67	0.28	0.09	8	25	0.46	178	0.087	<1	2.22	0.019	0.15	<0.1	0.04	4.4	0.2	<0.05	6	1.2	<0.2
RTH15-014	0.1	58	0.3	0.072	15	21	0.36	203	0.086	<1	2.81	0.019	0.08	<0.1	0.04	4.2	0.1	<0.05	7	<0.5	<0.2
RTH15-015	0.1	65	0.14	0.09	8	22	0.39	175	0.084	<1	2.08	0.022	0.09	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
RTH15-016	<0.1	79	0.28	0.027	10	30	0.54	179	0.099	<1	1.42	0.031	0.2	<0.1	0.04	5.7	0.2	<0.05	5	1	<0.2
RTH15-017	0.3	37	0.1	0.076	6	14	0.13	74	0.068	<1	1.97	0.013	0.04	<0.1	0.04	1.9	<0.1	<0.05	7	<0.5	<0.2
RTH15-018	0.4	48	0.26	0.049	11	23	0.3	120	0.069	<1	2.03	0.021	0.06	<0.1	0.04	2.9	<0.1	<0.05	7	0.6	<0.2
RTH15-019	0.5	57	0.35	0.038	16	32	0.52	110	0.076	<1	1.76	0.021	0.1	<0.1	0.02	4.8	0.2	<0.05	6	0.6	0.2
RTH15-020	0.5	57	0.09	0.057	12	26	0.29	126	0.082	<1	2.75	0.014	0.05	<0.1	0.03	3.3	<0.1	<0.05	8	0.6	<0.2
RTH15-021	0.3	48	0.14	0.061	10	26	0.25	104	0.075	<1	2.28	0.015	0.05	<0.1	0.04	2.5	<0.1	<0.05	7	0.6	<0.2
RTH15-022	0.3	48	0.19	0.031	14	26	0.34	111	0.08	<1	1.89	0.016	0.05	<0.1	0.02	3.2	0.1	<0.05	6	0.7	<0.2
RTH15-023	0.4	53	0.19	0.044	14	27	0.37	116	0.077	<1	2.19	0.018	0.06	<0.1	0.03	3.4	0.1	<0.05	7	0.8	<0.2
RTH15-024	0.3	47	0.18	0.034	14	24	0.33	125	0.078	<1	2.3	0.017	0.04	<0.1	0.02	3.3	<0.1	<0.05	7	0.6	<0.2
RTH15-025	0.3	44	0.2	0.043	14	24	0.29	125	0.069	<1	1.95	0.013	0.06	<0.1	0.04	3.3	0.1	<0.05	6	0.5	<0.2
RTH15-026	0.3	31	0.17	0.036	11	16	0.19	96	0.068	<1	1.73	0.018	0.04	<0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
RTH15-027	0.3	50	0.29	0.042	11	25	0.36	112	0.07	<1	1.82	0.015	0.06	<0.1	0.04	3	0.1	<0.05	6	<0.5	<0.2
RTH15-028	0.3	62	0.27	0.059	11	29	0.42	126	0.074	<1	1.99	0.013	0.09	<0.1	0.03	3.8	0.2	<0.05	6	0.8	<0.2
RTH15-029	0.2	59	0.24	0.057	11	26	0.4	125	0.077	<1	1.95	0.013	0.08	0.1	0.04	4.5	0.2	<0.05	6	<0.5	<0.2
RTH15-030	0.3	58	0.23	0.071	10	25	0.36	111	0.083	<1	1.97	0.015	0.08	0.1	0.05	4.6	0.2	<0.05	6	<0.5	<0.2
RTH15-031	1.1	63	0.19	0.083	13	29	0.53	214	0.092	<1	2.1	0.015	0.26	<0.1	0.05	7.6	0.4	<0.05	6	1.2	0.4
RTH15-032	0.6	43	0.07	0.066	8	15	0.18	95	0.069	<1	2.11	0.016	0.05	<0.1	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
RTH15-033	0.3	46	0.13	0.076	6	21	0.24	135	0.1	<1	2.6	0.013	0.08	<0.1	0.06	2.8	<0.1	<0.05	8	<0.5	<0.2
RTH15-034	0.4	61	0.21	0.06	14	29	0.49	234	0.107	<1	2.92	0.016	0.11	<0.1	0.03	5.9	0.3	<0.05	8	<0.5	<0.2
RTH15-035	0.2	34	0.04	0.096	4	7	0.05	32	0.08	1	2.55	0.012	0.03	<0.1	0.04	1.3	<0.1	<0.05	7	<0.5	<0.2
RTH15-036	0.2	34	0.11	0.084	5	10	0.11	77	0.077	<1	2.22	0.012	0.03	0.1	0.08	1.7	<0.1	<0.05	7	<0.5	<0.2
RTH15-037	0.2	45	0.05	0.117	4	7	0.07	33	0.106	1	2.32	0.015	0.03	0.2	0.05	1.5	<0.1	<0.05	8	<0.5	<0.2
RTH15-038	0.2	42	0.09	0.103	8	15	0.19	69	0.069	1	2.28	0.013	0.04	<0.1	0.05	2.2	<0.1	<0.05	7	0.6	<0.2

2015 Quartz Float Samples

Description	Type	83Z10E	83Z10N	Altitude	Habit	Number	Largest	Type	Limonite	FeOx	Hematite	Geothite	Vugs	Inclusions	**Certificate**	**ppm Mo**	**ppm Cu**	**ppm Pb**	**ppm Zn**	**ppm Ag**	**ppm Ni**	**ppm Co**	**ppm Mn**
838462	quartz float	686048	5450268	1544	sub angular to subrounded	4	20cm	dirty	yes	yes				yes	VAN15001686	5.5	166.8	10.3	19	>100.0	2.1	2.7	45
838463	quartz float	686053	5450285	1547	sub angular	2	15cm	dirty		yes					VAN15001686	0.6	11.9	1.2	9	0.7	5.1	1	86
838464	quartz float	686053	5450287	1546	sub angular to subrounded	9	8cm	dirty	yes	yes	yes				VAN15001686	0.9	41.1	9.5	36	0.8	2.2	3.2	180
838465	quartz float	686078	5450317	1553	sub angular to subrounded	6	6cm	dirty	yes	yes					VAN15001686	0.2	13.3	0.9	10	0.1	3.3	2.5	111
838466	quartz float	686078	5450317	1553	sub angular	4	20cm	dirty		yes					VAN15001686	10.2	19.9	8.3	69	0.7	19.2	7.2	438
838467	quartz float	686097	5450344	1556	sub angular	4	8cm	white	yes						VAN15001686	0.2	1.3	0.6	2	<0.1	0.9	0.4	55
838468	quartz float	686660	5451063	1697	angular	9	15cm	dirty	yes	yes					VAN15001686	0.2	3.9	0.7	3	<0.1	3.5	0.8	112
838469	quartz float	686648	5451078	1697	angular to sub angular	9	15cm	dirty	yes	yes					VAN15001686	0.2	4.5	1.7	3	<0.1	2.8	1.1	110
838470	quartz float	686646	5451075	1698	angular to sub angular	6	15cm	dirty	yes	yes					VAN15001686	0.1	1.3	0.9	1	<0.1	0.8	0.2	44
838471	quartz float	686679	5451045	1701	angular to sub angular	6	15cm	dirty	yes	yes					VAN15001686	0.3	2.8	0.3	3	<0.1	2.5	0.5	270
838472	quartz float	685544	5451176	1791	angular to sub angular	2	20cm	dirty	yes	yes				breccia 60% qtz	VAN15001686	0.2	4.8	3.2	33	<0.1	9.6	8.2	761
838473	quartz float	685510	5451186	1793	sub angular to subrounded	1	20cm	dirty	yes					breccia 80% qtz	VAN15001686	4.8	74.7	27.9	27	1.6	5.9	1.6	91
838474	quartz float	685991	5451125	1723	angular to sub angular	13	15cm	white	yes				yes	yes	VAN15001686	0.4	4.6	1.8	9	0.2	2.4	0.9	124
838475	quartz float	686002	5451125	1722	angular to sub angular	11	10cm	white	yes				yes	yes	VAN15001686	0.4	6.7	0.5	15	<0.1	2.9	1.4	103
838476	quartz float	686028	5451122	1720	sub angular to subrounded	34	6cm	white	yes	yes					VAN15001686	0.5	3.8	0.4	7	<0.1	1.9	0.8	99
838477	quartz float	686066	5451128	1715	angular to sub angular	10	15cm	white	yes		yes			yes	VAN15001686	0.4	4.6	0.5	10	<0.1	2.2	1	91
838478	quartz float	686047	5451127	1718	sub angular to subrounded	10	10cm	white	yes				yes		VAN15001686	0.4	10.9	1.4	22	<0.1	5.5	2	182
838479	quartz float	686108	5451138	1715	sub angular to subrounded	7	15cm	white	yes	yes			yes		VAN15001686	1.1	2.4	0.2	11	<0.1	2.6	0.5	90
838480	quartz float	686122	5451143	1714	angular to sub angular	3	18cm	dirty/white	yes	yes			yes		VAN15001686	0.4	55.2	11.2	170	1.2	9.9	3.7	183
838481	quartz float	686138	5451150	1715	angular to sub angular	8	20cm	white	yes				yes		VAN15001686	0.3	4.6	0.9	8	<0.1	4.7	1.7	97
838482	quartz float	686154	5451150	1714	angular to sub angular	7	15cm	white	yes	yes			yes	yes	VAN15001686	0.5	4.1	1.3	9	0.2	9.5	5.4	129
838483	quartz float	686239	5451142	1706	angular to sub angular	4	20cm	white	yes						VAN15001686	0.3	1.3	0.2	6	<0.1	1.3	0.3	56
838484	quartz float	686355	5451123	1694	angular to sub angular	4	15cm	dirty/white	yes				yes	yes	VAN15001686	1.2	2	0.6	18	<0.1	1.3	0.5	89
838485	quartz float	686295	5451135	1701	angular to sub angular	23	6cm	dirty/white	yes	yes			yes	yes	VAN15001686	0.5	4.1	0.2	11	<0.1	1.9	0.4	72
838486	quartz float	686404	5451117	1689	angular to sub angular	4	12cm	white	yes	yes			yes	yes	VAN15001686	0.6	6.5	0.5	5	<0.1	1.9	0.7	48
838487	quartz float	686377	5451050	1675	angular to sub angular	7	15cm	white	yes	yes			yes		VAN15001686	0.9	1.7	0.5	11	<0.1	1.7	0.5	68
838488	quartz float	685973	5450463	1620	angular to sub angular	18	10cm	dirty/white	yes	yes			yes		VAN15001686	0.4	11.2	35.2	17	4.7	5.1	2.2	244
838489	quartz float	685906	5450412	1613	angular	5	20cm	white	yes	yes			yes		VAN15001686	1.1	13.3	2.8	11	0.2	10.1	2.3	2176
838490	quartz float	685181	5451958	1711	angular to sub angular	22	8cm	dirty/white	yes	yes			yes		VAN15001686	0.2	12.1	1.8	5	<0.1	4.2	1.8	93

2015 Quartz Float Samples

Description	% Fe	ppm As	ppb Au	ppm Th	ppm Sr	ppm Cd	ppm Sb	ppm Bi	ppm V	% Ca	% P	ppm La	ppm Cr	% Mg	ppm Ba	% Ti	ppm B	% Al	% Na	% K	ppm W	ppm Hg	ppm Sc	ppm Tl	% S	ppm Ga	ppm Se	ppm Te
838462	1.69	169.6	25278.3	<0.1	2	0.2	109.9	0.6	5	0.01	0.007	<1	5	<0.01	8	0.001	<1	0.03	0.002	<0.01	<0.1	0.07	0.2	<0.1	0.1	<1	3	38.4
838463	0.66	4.8	45.5	0.2	1	<0.1	0.5	3.3	16	0.01	0.005	<1	8	0.19	32	0.002	<1	0.21	0.014	0.03	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	3.2
838464	1.35	61.1	96.1	4.7	2	0.5	1.6	0.2	3	0.01	0.009	3	2	<0.01	18	0.002	<1	0.07	0.016	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	1.3	0.5
838465	0.65	2.2	3.2	0.2	5	<0.1	<0.1	<0.1	16	0.12	0.015	2	6	0.12	18	0.035	<1	0.16	0.03	0.01	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
838466	1.68	79.2	26.5	1.2	28	1.1	0.4	0.1	30	0.82	0.088	5	17	0.3	113	0.097	<1	0.86	0.05	0.12	0.4	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
838467	0.39	1.5	4.5	0.5	<1	<0.1	<0.1	<0.1	<2	<0.01	0.002	<1	3	<0.01	6	<0.001	<1	0.03	0.005	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838468	0.48	6	10.8	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1	3	0.02	8	<0.001	<1	0.03	0.004	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838469	0.46	2.2	26	<0.1	2	<0.1	<0.1	<0.1	4	0.02	0.002	<1	4	0.02	36	0.001	<1	0.05	0.006	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838470	0.38	2.6	5.1	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1	3	<0.01	2	<0.001	<1	0.01	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
838471	0.53	3.5	1.4	<0.1	2	<0.1	0.1	<0.1	5	<0.01	0.002	<1	3	<0.01	12	<0.001	<1	0.03	0.003	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838472	1.1	3.8	1.7	0.3	23	<0.1	0.2	<0.1	32	1.69	0.063	2	18	0.32	96	0.081	532	0.7	0.051	0.12	<0.1	<0.01	2.2	<0.1	<0.05	1	<0.5	<0.2
838473	0.82	74.7	4.9	0.3	3	0.2	0.8	0.2	19	0.04	0.007	3	6	0.13	36	<0.001	2	0.22	0.001	0.07	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	1
838474	0.56	16.7	5	<0.1	2	0.1	0.2	<0.1	3	0.03	0.007	<1	4	0.06	9	0.001	5	0.09	0.003	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838475	0.48	3.1	3	<0.1	2	0.2	0.2	<0.1	3	0.01	0.003	1	3	0.01	7	<0.001	2	0.04	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838476	0.57	5.7	1.1	<0.1	2	<0.1	0.1	<0.1	3	0.02	0.006	<1	4	0.03	8	0.003	1	0.07	0.002	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838477	0.46	1.8	0.6	<0.1	1	0.1	0.1	<0.1	3	0.01	0.004	<1	3	0.03	8	<0.001	1	0.07	0.002	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838478	1.3	17.4	5.3	0.2	6	0.1	0.2	<0.1	16	0.15	0.053	1	6	0.39	27	0.009	2	0.5	0.007	0.06	<0.1	<0.01	1	<0.1	<0.05	2	<0.5	<0.2
838479	0.46	36.4	<0.5	<0.1	2	0.1	0.2	<0.1	<2	0.01	0.002	<1	3	<0.01	9	<0.001	<1	0.03	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838480	1.17	408.5	150.3	0.4	7	1.4	1.2	<0.1	18	0.19	0.031	3	11	0.19	52	0.032	<1	0.41	0.006	0.09	0.2	<0.01	1.9	<0.1	<0.05	1	<0.5	<0.2
838481	0.58	11.9	1	0.1	2	0.1	0.4	<0.1	4	0.05	0.015	<1	6	0.06	7	0.002	<1	0.13	0.002	0.02	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
838482	0.88	89.4	51.7	<0.1	3	0.2	2.8	<0.1	5	0.06	0.017	<1	4	0.08	14	0.005	<1	0.13	0.003	0.02	<0.1	<0.01	0.4	<0.1	0.06	<1	<0.5	<0.2
838483	0.38	1.5	1.1	<0.1	2	<0.1	<0.1	<0.1	<2	0.02	0.002	<1	3	<0.01	5	<0.001	<1	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838484	0.49	2.9	2.2	<0.1	3	0.2	0.2	<0.1	5	0.01	0.004	<1	4	0.02	13	<0.001	<1	0.07	0.007	0.02	0.1	0.02	0.3	<0.1	<0.05	<1	<0.5	<0.2
838485	0.5	5.9	1.1	<0.1	2	0.2	0.2	<0.1	2	0.01	0.003	<1	4	0.02	9	0.005	<1	0.06	0.004	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838486	0.41	4.9	0.9	<0.1	2	0.8	0.2	<0.1	4	0.01	0.003	<1	3	0.03	10	0.002	<1	0.08	0.005	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838487	0.45	8.9	<0.5	<0.1	2	<0.1	0.2	<0.1	2	0.02	0.003	<1	3	<0.01	9	<0.001	<1	0.04	0.004	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838488	0.77	24.2	1012.2	0.2	3	0.2	0.3	2.7	11	0.05	0.007	1	6	0.12	24	0.007	<1	0.19	0.007	0.03	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	4.6
838489	1.79	32.7	27.7	<0.1	6	0.3	0.9	<0.1	11	0.02	0.005	2	4	0.03	85	<0.001	<1	0.09	0.003	0.03	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	0.2
838490	0.48	1.3	2	<0.1	8	<0.1	<0.1	<0.1	7	0.14	0.012	<1	7	0.08	251	0.019	1	0.18	0.019	0.03	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2

2015 Tephra Samples

Sample	83Z10E	83Z10N	WP2	Certificate	%Al2O3	%BaO	%CaO	%Cr2O3	%Fe2O3	%K2O	%MgO	%MnO	%Na2O	%P2O5	%SO3	%SiO2	%SrO	%TiO2	Total	%LOI 1000
26303	684457	5452990	tephra	VA15102687	15.84	0.16	1.74	0.01	1.51	2.81	0.43	0.05	4.45	0.07	<0.01	71.23	0.06	0.17	99.66	1.10
26304	684645	5453220	tephra	VA15102687	15.76	0.16	1.96	0.01	1.54	2.81	0.38	0.05	4.89	0.07	0.01	70.85	0.07	0.17	99.31	0.55
26305	684613	5453112	tephra	VA15102687	15.82	0.16	1.81	0.01	1.55	2.80	0.47	0.07	4.37	0.09	0.01	71.09	0.07	0.17	99.61	1.08
26306	684582	5453069	tephra	VA15102687	15.92	0.17	1.83	0.01	1.56	2.83	0.36	0.07	4.69	0.06	<0.01	71.17	0.07	0.17	99.79	0.84
26307	684491	5453021	tephra	VA15102687	15.78	0.16	1.83	0.01	1.50	2.82	0.34	0.04	4.67	0.07	<0.01	70.79	0.07	0.17	99.09	0.81
26308	684418	5452944	tephra	VA15102687	15.79	0.19	1.92	0.01	1.34	2.93	0.46	0.05	4.56	0.07	<0.01	71.03	0.09	0.17	99.42	0.79

Sample	83Z10E	83Z10N	WP2	Certificate	ppm Ag	% Al	ppm As	ppm Ba	ppm Be	ppm Bi	% Ca	ppm Cd	ppm Co	ppm Cr	ppm Cu	% Fe	ppm Ga	% K	ppm La
26303	684457	5452990	tephra	VA15102687	<0.5	7.46	<5	1340	1.4	<2	1.16	<0.5	1	2	1	0.95	20	2.24	30
26304	684645	5453220	tephra	VA15102687	<0.5	7.69	<5	1420	1.4	<2	1.37	<0.5	1	4	1	1.02	20	2.30	30
26305	684613	5453112	tephra	VA15102687	<0.5	7.34	<5	1370	1.0	<2	1.13	<0.5	1	2	<1	0.98	20	2.23	30
26306	684582	5453069	tephra	VA15102687	<0.5	7.23	<5	1380	1.2	<2	1.19	<0.5	1	2	<1	0.94	20	2.22	20
26307	684491	5453021	tephra	VA15102687	<0.5	7.19	<5	1320	1.4	3	1.19	<0.5	1	1	<1	0.92	20	2.20	20
26308	684418	5452944	tephra	VA15102687	<0.5	7.32	<5	1560	1.4	<2	1.26	<0.5	1	2	<1	0.82	20	2.31	20

Sample	% Mg	ppm Mn	ppm Mo	% Na	ppm Ni	ppm P	ppm Pb	% S	ppm Sb	ppm Sc	ppm Sr	ppm Th	% Ti	ppm Tl	ppm U	ppm V	ppm W	ppm Zn
26303	0.22	373	<1	3.03	<1	280	17	<0.01	6	2	518	<20	0.10	<10	<10	8	<10	52
26304	0.20	353	<1	3.46	<1	320	16	<0.01	<5	2	647	<20	0.10	<10	<10	9	<10	46
26305	0.24	487	<1	2.97	<1	250	15	<0.01	<5	2	532	<20	0.10	10	<10	8	<10	50
26306	0.18	490	<1	3.13	<1	250	16	<0.01	<5	1	568	<20	0.09	10	<10	8	<10	46
26307	0.18	270	<1	3.10	<1	280	18	<0.01	<5	1	553	<20	0.09	<10	<10	7	<10	48
26308	0.24	333	<1	3.07	<1	260	14	<0.01	<5	1	762	<20	0.10	<10	<10	8	<10	33

Sample	83Z10E	83Z10N	WP2	Certificate	CEC (meq/100g)
26303	684457	5452990	tephra	L1645016	13.9
26304	684645	5453220	tephra	L1645016	5.45
26305	684613	5453112	tephra	L1645016	8.63
26306	684582	5453069	tephra	L1645016	7.99
26307	684491	5453021	tephra	L1645016	8.83
26308	684418	5452944	tephra	L1645016	7.55

ALS Canada Ltd.

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www.alsglobal.com

To: MAMMOTH GEOLOGICAL LTD.
2446 BIDSTON ROAD
MILL BAY BC V0R 2P4

Finalized Date: 24- JUL- 2015
Account: MAMGEO

CERTIFICATE VA15102687

Project: Princeton Project

This report is for 6 Rock samples submitted to our lab in Vancouver, BC, Canada on 13- JUL- 2015.

The following have access to data associated with this certificate:

R.TIM HENNEBERRY		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SPLIT- Z	Pulp split for send out
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um

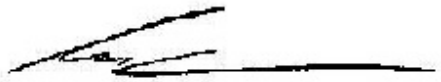
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME- ICP61	33 element four acid ICP- AES	ICP- AES
ME- XRF26	Whole Rock By Fusion/XRF	XRF
OA- GRA05x	LOI for XRF	WST- SEQ

To: MAMMOTH GEOLOGICAL LTD.
ATTN: R.TIM HENNEBERRY
2446 BIDSTON ROAD
MILL BAY BC V0R 2P4

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature: 
Colin Ramshaw, Vancouver Laboratory Manager

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2446 BIDSTON ROAD
MILL BAY BC V0R 2P4

Finalized Date: 24- JUL- 2015
Account: MAMGEO

Project: Princeton Project

CERTIFICATE OF ANALYSIS VA15102687

Sample Description	Method / Analyte / Units / LOR	WEI- 21 Recvd Wt. kg 0.02	ME- XRF26 Al2O3 % 0.01	ME- XRF26 BaO % 0.01	ME- XRF26 CaO % 0.01	ME- XRF26 Cr2O3 % 0.01	ME- XRF26 Fe2O3 % 0.01	ME- XRF26 K2O % 0.01	ME- XRF26 MgO % 0.01	ME- XRF26 MnO % 0.01	ME- XRF26 Na2O % 0.01	ME- XRF26 P2O5 % 0.01	ME- XRF26 SO3 % 0.01	ME- XRF26 SiO2 % 0.01	ME- XRF26 SrO % 0.01	ME- XRF26 TiO2 % 0.01
26303		1.94	15.84	0.16	1.74	0.01	1.51	2.81	0.43	0.05	4.45	0.07	<0.01	71.23	0.06	0.17
26304		1.68	15.76	0.16	1.96	0.01	1.54	2.81	0.38	0.05	4.89	0.07	0.01	70.85	0.07	0.17
26305		1.64	15.82	0.16	1.81	0.01	1.55	2.80	0.47	0.07	4.37	0.09	0.01	71.09	0.07	0.17
26306		1.76	15.92	0.17	1.83	0.01	1.56	2.83	0.36	0.07	4.69	0.06	<0.01	71.17	0.07	0.17
26307		1.96	15.78	0.16	1.83	0.01	1.50	2.82	0.34	0.04	4.67	0.07	<0.01	70.79	0.07	0.17
26308		1.60	15.79	0.19	1.92	0.01	1.34	2.93	0.46	0.05	4.56	0.07	<0.01	71.03	0.09	0.17

***** See Appendix Page for comments regarding this certificate *****

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2446 BIDSTON ROAD
MILL BAY BC V0R 2P4

Finalized Date: 24- JUL- 2015
Account: MAMGEO

Project: Princeton Project

CERTIFICATE OF ANALYSIS VA15102687

Sample Description	Method Analyte Units LOR	ME- XRF26 Total % 0.01	OA- GRA05x LOI 1000 % 0.01	ME- ICP61 Ag ppm 0.5	ME- ICP61 Al % 0.01	ME- ICP61 As ppm 5	ME- ICP61 Ba ppm 10	ME- ICP61 Be ppm 0.5	ME- ICP61 Bi ppm 2	ME- ICP61 Ca % 0.01	ME- ICP61 Cd ppm 0.5	ME- ICP61 Co ppm 1	ME- ICP61 Cr ppm 1	ME- ICP61 Cu ppm 1	ME- ICP61 Fe % 0.01	ME- ICP61 Ga ppm 10
26303		99.66	1.10	<0.5	7.46	<5	1340	1.4	<2	1.16	<0.5	1	2	1	0.95	20
26304		99.31	0.55	<0.5	7.69	<5	1420	1.4	<2	1.37	<0.5	1	4	1	1.02	20
26305		99.61	1.08	<0.5	7.34	<5	1370	1.0	<2	1.13	<0.5	1	2	<1	0.98	20
26306		99.79	0.84	<0.5	7.23	<5	1380	1.2	<2	1.19	<0.5	1	2	<1	0.94	20
26307		99.09	0.81	<0.5	7.19	<5	1320	1.4	3	1.19	<0.5	1	1	<1	0.92	20
26308		99.42	0.79	<0.5	7.32	<5	1560	1.4	<2	1.26	<0.5	1	2	<1	0.82	20

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MILL BAY BC V0R 2P4

Finalized Date: 24- JUL- 2015
Account: MAMGEO

Project: Princeton Project

CERTIFICATE OF ANALYSIS VA15102687

Sample Description	Method / Analyte / Units / LOR	ME- ICP61 K % 0.01	ME- ICP61 La ppm 10	ME- ICP61 Mg % 0.01	ME- ICP61 Mn ppm 5	ME- ICP61 Mo ppm 1	ME- ICP61 Na % 0.01	ME- ICP61 Ni ppm 1	ME- ICP61 P ppm 10	ME- ICP61 Pb ppm 2	ME- ICP61 S % 0.01	ME- ICP61 Sb ppm 5	ME- ICP61 Sc ppm 1	ME- ICP61 Sr ppm 1	ME- ICP61 Th ppm 20	ME- ICP61 Ti % 0.01
26303		2.24	30	0.22	373	<1	3.03	<1	280	17	<0.01	6	2	518	<20	0.10
26304		2.30	30	0.20	353	<1	3.46	<1	320	16	<0.01	<5	2	647	<20	0.10
26305		2.23	30	0.24	487	<1	2.97	<1	250	15	<0.01	<5	2	532	<20	0.10
26306		2.22	20	0.18	490	<1	3.13	<1	250	16	<0.01	<5	1	568	<20	0.09
26307		2.20	20	0.18	270	<1	3.10	<1	280	18	<0.01	<5	1	553	<20	0.09
26308		2.31	20	0.24	333	<1	3.07	<1	260	14	<0.01	<5	1	762	<20	0.10

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MILL BAY BC V0R 2P4

Finalized Date: 24- JUL- 2015
Account: MAMGEO

Project: Princeton Project

CERTIFICATE OF ANALYSIS VA15102687

Sample Description	Method Analyte Units LOR	ME- ICP61 Tl ppm 10	ME- ICP61 U ppm 10	ME- ICP61 V ppm 1	ME- ICP61 W ppm 10	ME- ICP61 Zn ppm 2
26303		<10	<10	8	<10	52
26304		<10	<10	9	<10	46
26305		10	<10	8	<10	50
26306		10	<10	8	<10	46
26307		<10	<10	7	<10	48
26308		<10	<10	8	<10	33

***** See Appendix Page for comments regarding this certificate *****

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24- JUL- 2015
Account: MAMGEO

Project: Princeton Project

CERTIFICATE OF ANALYSIS VA15102687

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
CRU- 31	LOG- 22	ME- ICP61	ME- XRF26
OA- GRA05x	PUL- 31	SPL- 21	SPLIT- Z
WEI- 21			

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Submitted By: R. Tim Hennberry
Receiving Lab: Canada-Vancouver
Received: July 13, 2015
Report Date: July 21, 2015
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN15001685.1

CLIENT JOB INFORMATION

Project: Princeton
Shipment ID:
P.O. Number
Number of Samples: 40

SAMPLE DISPOSAL

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

Bureau Veritas 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	40	Dry at 60C			VAN
SS80	40	Dry at 60C sieve 100g to -80 mesh			VAN
AQ201	40	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	40	Warehouse handling / disposition of pulps			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. Bureau Veritas 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.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Project: Princeton
Report Date: July 21, 2015

CERTIFICATE OF ANALYSIS VAN15001685.1

	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
PPRTH15-001	Soil	3.7	27.8	6.4	97	0.3	20.4	7.6	383	2.40	8.0	3.8	1.6	38	0.4	0.7	0.1	68	0.19	0.088	8
PPRTH15-002	Soil	2.0	19.8	7.3	102	0.4	20.2	7.4	441	2.14	6.3	5.9	1.0	34	0.5	0.4	0.1	54	0.26	0.079	6
PPRTH15-003	Soil	1.8	23.9	5.7	117	0.3	22.1	8.8	341	2.56	5.7	2.1	1.5	36	0.4	0.4	0.1	64	0.21	0.072	7
PPRTH15-004	Soil	1.3	23.6	7.4	124	0.4	20.5	7.5	387	2.14	7.2	3.1	1.1	33	0.4	0.3	0.1	52	0.24	0.091	6
PPRTH15-005	Soil	5.3	26.2	6.5	315	0.4	29.2	10.5	399	2.31	15.5	5.7	1.0	25	2.0	1.1	0.1	71	0.32	0.112	6
PPRTH15-005B	Rock Pulp	5.8	49.0	4.3	42	0.1	32.7	9.1	479	2.86	4.7	2.7	1.1	49	0.2	0.6	<0.1	65	1.10	0.055	5
PPRTH15-006	Soil	6.6	30.2	7.4	330	0.7	34.0	11.3	505	2.56	18.1	19.2	1.2	24	2.9	1.3	0.1	73	0.17	0.078	6
PPRTH15-007	Soil	4.4	31.4	7.5	213	0.9	27.7	10.0	313	2.71	12.7	2.3	1.3	27	0.8	1.1	0.1	77	0.26	0.060	8
PPRTH15-008	Soil	3.2	22.5	6.6	156	0.5	19.3	7.9	392	2.25	18.1	6.1	1.1	28	0.9	0.6	0.1	57	0.30	0.076	6
PPRTH15-009	Soil	2.2	20.0	6.9	190	0.6	18.5	8.2	370	2.16	18.2	58.1	0.8	23	1.0	0.5	0.1	55	0.22	0.086	6
PPRTH15-010	Soil	3.6	24.9	6.7	143	0.3	18.5	7.8	281	2.35	13.7	3.4	1.3	25	0.6	0.5	0.1	55	0.23	0.068	7
PPRTH15-011	Soil	4.7	54.6	7.7	132	0.5	32.8	11.9	643	3.50	50.7	25.3	2.2	46	1.0	1.9	0.1	93	0.57	0.068	10
PPRTH15-012	Soil	9.7	58.5	8.8	158	0.9	29.8	12.0	552	3.74	30.7	14.6	2.2	43	1.2	2.6	0.1	90	0.42	0.086	12
PPRTH15-013	Soil	4.8	36.0	7.9	160	0.6	22.3	8.7	581	2.63	16.3	8.6	1.6	34	0.9	0.8	0.1	67	0.28	0.090	8
PPRTH15-014	Soil	2.6	28.2	7.1	133	0.7	21.8	7.5	480	2.17	11.1	6.0	1.4	41	0.8	0.5	0.1	58	0.30	0.072	15
PPRTH15-015	Soil	2.9	24.5	6.2	113	0.3	19.5	8.1	258	2.30	11.8	2.6	1.4	31	0.4	0.5	0.1	65	0.14	0.090	8
PPRTH15-016	Soil	3.9	28.7	5.6	75	0.2	16.2	8.8	413	2.55	14.7	4.9	1.6	51	0.2	0.8	<0.1	79	0.28	0.027	10
PPRTH15-017	Soil	1.2	13.7	15.4	72	0.2	9.5	3.0	110	1.67	2.7	1.9	1.2	13	0.2	<0.1	0.3	37	0.10	0.076	6
PPRTH15-018	Soil	2.3	20.5	25.3	107	0.2	16.4	5.8	283	2.06	2.7	2.1	1.1	34	0.4	0.1	0.4	48	0.26	0.049	11
PPRTH15-019	Soil	3.0	30.5	38.0	124	0.1	18.8	9.2	524	2.53	3.4	1.7	2.0	60	0.6	0.1	0.5	57	0.35	0.038	16
PPRTH15-020	Soil	2.5	22.8	26.5	125	0.2	21.2	6.3	161	2.53	4.6	0.9	2.3	19	0.5	0.1	0.5	57	0.09	0.057	12
PPRTH15-021	Soil	2.0	25.3	25.1	97	0.3	16.1	5.0	177	2.15	3.7	3.5	1.5	24	0.3	0.1	0.3	48	0.14	0.061	10
PPRTH15-022	Soil	2.0	22.7	27.8	90	0.1	13.9	6.1	197	2.07	3.2	1.3	2.0	34	0.2	<0.1	0.3	48	0.19	0.031	14
PPRTH15-023	Soil	2.5	25.5	32.3	111	0.2	16.3	6.9	272	2.37	3.9	1.6	1.9	36	0.2	<0.1	0.4	53	0.19	0.044	14
PPRTH15-024	Soil	2.0	23.1	29.4	103	0.3	14.7	5.7	207	2.06	2.5	2.2	1.1	36	0.2	<0.1	0.3	47	0.18	0.034	14
PPRTH15-025	Soil	2.2	23.1	30.1	106	0.2	16.7	6.1	317	2.06	3.1	2.0	1.9	36	0.3	<0.1	0.3	44	0.20	0.043	14
PPRTH15-026	Soil	1.1	18.9	24.9	79	0.3	12.2	3.5	142	1.41	2.5	1.6	0.8	28	0.3	<0.1	0.3	31	0.17	0.036	11
PPRTH15-027	Soil	1.9	22.2	53.1	142	0.3	17.2	5.9	355	1.98	3.4	1.6	1.0	42	0.4	0.1	0.3	50	0.29	0.042	11
PPRTH15-028	Soil	2.4	33.0	35.7	158	0.2	22.0	7.5	386	2.31	5.8	2.0	1.7	34	0.7	0.2	0.3	62	0.27	0.059	11
PPRTH15-029	Soil	2.5	38.9	34.6	166	0.2	20.3	7.6	372	2.18	5.6	3.0	2.1	30	1.1	0.2	0.2	59	0.24	0.057	11

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Project: Princeton
Report Date: July 21, 2015

CERTIFICATE OF ANALYSIS VAN15001685.1

	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
PPRTH15-001	Soil	31	0.43	234	0.085	1	2.28	0.018	0.08	<0.1	0.04	4.3	0.1	<0.05	6	1.1	<0.2
PPRTH15-002	Soil	25	0.36	283	0.082	2	2.10	0.020	0.07	<0.1	0.06	2.9	<0.1	<0.05	6	0.5	<0.2
PPRTH15-003	Soil	35	0.52	255	0.100	1	2.35	0.023	0.08	<0.1	0.03	4.4	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-004	Soil	26	0.40	181	0.095	2	2.44	0.022	0.06	<0.1	0.05	3.1	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-005	Soil	24	0.43	172	0.064	2	1.99	0.019	0.06	0.1	0.06	3.5	0.1	<0.05	6	1.1	<0.2
PPRTH15-005B	Rock Pulp	37	0.77	108	0.143	4	1.50	0.098	0.11	0.5	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
PPRTH15-006	Soil	23	0.41	164	0.072	1	2.08	0.015	0.09	0.1	0.04	3.5	0.2	<0.05	6	1.3	<0.2
PPRTH15-007	Soil	27	0.48	216	0.079	<1	2.54	0.020	0.09	<0.1	0.04	3.9	0.1	<0.05	7	1.0	<0.2
PPRTH15-008	Soil	22	0.44	160	0.073	1	1.99	0.022	0.06	<0.1	0.06	3.6	<0.1	<0.05	6	1.1	<0.2
PPRTH15-009	Soil	19	0.39	162	0.080	1	1.90	0.017	0.06	<0.1	0.04	3.1	<0.1	<0.05	6	0.6	<0.2
PPRTH15-010	Soil	19	0.35	168	0.073	<1	1.99	0.018	0.10	<0.1	0.03	3.1	0.1	<0.05	6	1.0	<0.2
PPRTH15-011	Soil	36	0.83	149	0.099	<1	2.01	0.050	0.22	<0.1	0.02	6.9	0.2	<0.05	6	1.7	<0.2
PPRTH15-012	Soil	36	0.67	161	0.081	1	2.03	0.029	0.27	0.1	0.05	6.3	0.2	<0.05	6	3.5	<0.2
PPRTH15-013	Soil	25	0.46	178	0.087	<1	2.22	0.019	0.15	<0.1	0.04	4.4	0.2	<0.05	6	1.2	<0.2
PPRTH15-014	Soil	21	0.36	203	0.086	<1	2.81	0.019	0.08	<0.1	0.04	4.2	0.1	<0.05	7	<0.5	<0.2
PPRTH15-015	Soil	22	0.39	175	0.084	<1	2.08	0.022	0.09	<0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
PPRTH15-016	Soil	30	0.54	179	0.099	<1	1.42	0.031	0.20	<0.1	0.04	5.7	0.2	<0.05	5	1.0	<0.2
PPRTH15-017	Soil	14	0.13	74	0.068	<1	1.97	0.013	0.04	<0.1	0.04	1.9	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-018	Soil	23	0.30	120	0.069	<1	2.03	0.021	0.06	<0.1	0.04	2.9	<0.1	<0.05	7	0.6	<0.2
PPRTH15-019	Soil	32	0.52	110	0.076	<1	1.76	0.021	0.10	<0.1	0.02	4.8	0.2	<0.05	6	0.6	0.2
PPRTH15-020	Soil	26	0.29	126	0.082	<1	2.75	0.014	0.05	<0.1	0.03	3.3	<0.1	<0.05	8	0.6	<0.2
PPRTH15-021	Soil	26	0.25	104	0.075	<1	2.28	0.015	0.05	<0.1	0.04	2.5	<0.1	<0.05	7	0.6	<0.2
PPRTH15-022	Soil	26	0.34	111	0.080	<1	1.89	0.016	0.05	<0.1	0.02	3.2	0.1	<0.05	6	0.7	<0.2
PPRTH15-023	Soil	27	0.37	116	0.077	<1	2.19	0.018	0.06	<0.1	0.03	3.4	0.1	<0.05	7	0.8	<0.2
PPRTH15-024	Soil	24	0.33	125	0.078	<1	2.30	0.017	0.04	<0.1	0.02	3.3	<0.1	<0.05	7	0.6	<0.2
PPRTH15-025	Soil	24	0.29	125	0.069	<1	1.95	0.013	0.06	<0.1	0.04	3.3	0.1	<0.05	6	0.5	<0.2
PPRTH15-026	Soil	16	0.19	96	0.068	<1	1.73	0.018	0.04	<0.1	0.03	2.1	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-027	Soil	25	0.36	112	0.070	<1	1.82	0.015	0.06	<0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
PPRTH15-028	Soil	29	0.42	126	0.074	<1	1.99	0.013	0.09	<0.1	0.03	3.8	0.2	<0.05	6	0.8	<0.2
PPRTH15-029	Soil	26	0.40	125	0.077	<1	1.95	0.013	0.08	0.1	0.04	4.5	0.2	<0.05	6	<0.5	<0.2

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Project: Princeton
Report Date: July 21, 2015

CERTIFICATE OF ANALYSIS VAN15001685.1

	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
PPRTH15-030	Soil	2.4	35.5	36.3	172	0.2	20.0	7.8	463	2.12	6.4	1.5	2.0	29	1.4	0.2	0.3	58	0.23	0.071	10
PPRTH15-031	Soil	7.3	72.6	132.7	140	0.3	19.2	8.1	366	3.42	13.4	3.8	3.2	35	0.5	0.1	1.1	63	0.19	0.083	13
PPRTH15-032	Soil	3.4	22.3	64.6	113	0.3	13.1	6.0	182	2.22	6.8	1.6	1.8	16	0.4	<0.1	0.6	43	0.07	0.066	8
PPRTH15-032B	Rock Pulp	5.6	48.7	4.4	45	0.1	33.6	9.3	508	3.01	4.6	2.3	1.2	50	0.1	0.7	<0.1	65	1.12	0.058	5
PPRTH15-033	Soil	2.1	20.6	20.7	144	0.4	20.6	6.8	229	2.05	3.4	3.2	1.4	22	0.7	0.1	0.3	46	0.13	0.076	6
PPRTH15-034	Soil	2.8	43.4	28.7	130	0.3	26.0	10.6	390	2.88	7.7	2.9	2.8	43	0.7	0.1	0.4	61	0.21	0.060	14
PPRTH15-035	Soil	1.8	6.9	12.4	58	0.4	4.5	4.1	362	1.49	2.3	1.6	1.4	5	0.4	<0.1	0.2	34	0.04	0.096	4
PPRTH15-036	Soil	2.5	11.6	19.3	112	0.3	8.3	4.4	649	1.58	2.8	1.7	1.6	13	0.9	<0.1	0.2	34	0.11	0.084	5
PPRTH15-037	Soil	3.1	5.2	11.2	62	0.1	5.5	3.2	215	1.98	2.6	0.6	2.0	7	0.2	0.1	0.2	45	0.05	0.117	4
PPRTH15-038	Soil	2.1	13.7	15.9	113	0.3	10.9	4.7	180	2.07	3.4	<0.5	2.0	13	0.4	0.1	0.2	42	0.09	0.103	8

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Project: Princeton
Report Date: July 21, 2015

CERTIFICATE OF ANALYSIS VAN15001685.1

	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
PPRTH15-030	Soil	25	0.36	111	0.083	<1	1.97	0.015	0.08	0.1	0.05	4.6	0.2	<0.05	6	<0.5	<0.2
PPRTH15-031	Soil	29	0.53	214	0.092	<1	2.10	0.015	0.26	<0.1	0.05	7.6	0.4	<0.05	6	1.2	0.4
PPRTH15-032	Soil	15	0.18	95	0.069	<1	2.11	0.016	0.05	<0.1	0.03	2.6	0.1	<0.05	7	<0.5	<0.2
PPRTH15-032B	Rock Pulp	37	0.80	112	0.144	3	1.52	0.109	0.11	0.4	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
PPRTH15-033	Soil	21	0.24	135	0.100	<1	2.60	0.013	0.08	<0.1	0.06	2.8	<0.1	<0.05	8	<0.5	<0.2
PPRTH15-034	Soil	29	0.49	234	0.107	<1	2.92	0.016	0.11	<0.1	0.03	5.9	0.3	<0.05	8	<0.5	<0.2
PPRTH15-035	Soil	7	0.05	32	0.080	1	2.55	0.012	0.03	<0.1	0.04	1.3	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-036	Soil	10	0.11	77	0.077	<1	2.22	0.012	0.03	0.1	0.08	1.7	<0.1	<0.05	7	<0.5	<0.2
PPRTH15-037	Soil	7	0.07	33	0.106	1	2.32	0.015	0.03	0.2	0.05	1.5	<0.1	<0.05	8	<0.5	<0.2
PPRTH15-038	Soil	15	0.19	69	0.069	1	2.28	0.013	0.04	<0.1	0.05	2.2	<0.1	<0.05	7	0.6	<0.2

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Project: Princeton
Report Date: July 21, 2015

QUALITY CONTROL REPORT VAN15001685.1

	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																					
PPRTH15-016	Soil	3.9	28.7	5.6	75	0.2	16.2	8.8	413	2.55	14.7	4.9	1.6	51	0.2	0.8	<0.1	79	0.28	0.027	10
REP PPRTH15-016	QC	4.1	28.8	5.7	73	0.2	16.3	9.2	408	2.55	14.8	10.7	1.7	52	0.2	0.9	<0.1	79	0.29	0.027	10
PPRTH15-038	Soil	2.1	13.7	15.9	113	0.3	10.9	4.7	180	2.07	3.4	<0.5	2.0	13	0.4	0.1	0.2	42	0.09	0.103	8
REP PPRTH15-038	QC	2.1	15.0	16.0	116	0.3	11.5	4.8	177	2.09	3.2	<0.5	2.0	13	0.4	0.1	0.3	42	0.10	0.103	9
Reference Materials																					
STD DS10	Standard	15.1	154.9	162.0	373	1.9	74.6	12.9	886	2.83	45.0	80.6	8.2	73	2.5	10.0	13.3	46	1.06	0.076	19
STD DS10	Standard	15.0	163.2	164.3	385	2.0	78.6	13.5	886	2.85	46.4	74.8	8.1	73	2.6	10.3	13.3	48	1.10	0.076	19
STD OXC129	Standard	1.2	26.5	6.7	39	<0.1	76.6	19.6	407	2.97	0.5	197.6	1.9	181	<0.1	<0.1	<0.1	53	0.67	0.100	13
STD OXC129	Standard	1.3	29.3	6.9	40	<0.1	84.8	21.7	430	3.16	1.0	197.6	2.0	193	<0.1	<0.1	<0.1	56	0.69	0.102	14
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 OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
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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Project: Princeton
Report Date: July 21, 2015

QUALITY CONTROL REPORT VAN15001685.1

	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																	
PPRTH15-016	Soil	30	0.54	179	0.099	<1	1.42	0.031	0.20	<0.1	0.04	5.7	0.2	<0.05	5	1.0	<0.2
REP PPRTH15-016	QC	29	0.55	180	0.103	<1	1.46	0.031	0.20	<0.1	0.34	5.9	0.2	<0.05	5	1.0	<0.2
PPRTH15-038	Soil	15	0.19	69	0.069	1	2.28	0.013	0.04	<0.1	0.05	2.2	<0.1	<0.05	7	0.6	<0.2
REP PPRTH15-038	QC	16	0.19	70	0.072	1	2.31	0.010	0.04	<0.1	0.04	2.2	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	56	0.80	361	0.087	6	1.06	0.068	0.34	3.2	0.27	3.1	5.3	0.25	4	2.1	5.2
STD DS10	Standard	59	0.81	360	0.090	6	1.06	0.068	0.35	3.4	0.29	3.2	5.4	0.27	4	2.7	5.3
STD OXC129	Standard	52	1.55	48	0.419	<1	1.52	0.582	0.40	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.60	51	0.442	<1	1.56	0.607	0.42	<0.1	<0.01	1.5	<0.1	<0.05	6	<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 OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
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

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Submitted By: R. Tim Hennberry
Receiving Lab: Canada-Vancouver
Received: July 13, 2015
Report Date: July 27, 2015
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN15001686.1

CLIENT JOB INFORMATION

Project: Princeton
Shipment ID:
P.O. Number
Number of Samples: 31

SAMPLE DISPOSAL

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

Bureau Veritas 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
PRP70-250	29	Crush, split and pulverize 250 g rock to 200 mesh			VAN
AQ201	31	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
DRPLP	31	Warehouse handling / disposition of pulps			VAN
DRRJT	29	Warehouse handling / Disposition of reject			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. Bureau Veritas 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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2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: Princeton
Report Date: July 27, 2015

CERTIFICATE OF ANALYSIS VAN15001686.1

Method		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
838462	Rock	2.01	5.5	166.8	10.3	19	>100	2.1	2.7	45	1.69	169.6	25278.3	<0.1	2	0.2	109.9	0.6	5	0.01	0.007
838463	Rock	1.04	0.6	11.9	1.2	9	0.7	5.1	1.0	86	0.66	4.8	45.5	0.2	1	<0.1	0.5	3.3	16	0.01	0.005
838464	Rock	1.42	0.9	41.1	9.5	36	0.8	2.2	3.2	180	1.35	61.1	96.1	4.7	2	0.5	1.6	0.2	3	0.01	0.009
838465	Rock	0.52	0.2	13.3	0.9	10	0.1	3.3	2.5	111	0.65	2.2	3.2	0.2	5	<0.1	<0.1	<0.1	16	0.12	0.015
838466	Rock	1.69	10.2	19.9	8.3	69	0.7	19.2	7.2	438	1.68	79.2	26.5	1.2	28	1.1	0.4	0.1	30	0.82	0.088
838467	Rock	0.70	0.2	1.3	0.6	2	<0.1	0.9	0.4	55	0.39	1.5	4.5	0.5	<1	<0.1	<0.1	<0.1	<2	<0.01	0.002
838467B	Rock Pulp		6.0	51.7	4.4	47	0.1	35.0	9.5	525	3.03	5.2	11.6	1.1	49	0.2	0.6	<0.1	62	1.18	0.061
838468	Rock	2.45	0.2	3.9	0.7	3	<0.1	3.5	0.8	112	0.48	6.0	10.8	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001
838469	Rock	2.45	0.2	4.5	1.7	3	<0.1	2.8	1.1	110	0.46	2.2	26.0	<0.1	2	<0.1	<0.1	<0.1	4	0.02	0.002
838470	Rock	2.91	0.1	1.3	0.9	1	<0.1	0.8	0.2	44	0.38	2.6	5.1	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
838471	Rock	2.96	0.3	2.8	0.3	3	<0.1	2.5	0.5	270	0.53	3.5	1.4	<0.1	2	<0.1	0.1	<0.1	5	<0.01	0.002
838472	Rock	2.24	0.2	4.8	3.2	33	<0.1	9.6	8.2	761	1.10	3.8	1.7	0.3	23	<0.1	0.2	<0.1	32	1.69	0.063
838473	Rock	1.38	4.8	74.7	27.9	27	1.6	5.9	1.6	91	0.82	74.7	4.9	0.3	3	0.2	0.8	0.2	19	0.04	0.007
838474	Rock	2.31	0.4	4.6	1.8	9	0.2	2.4	0.9	124	0.56	16.7	5.0	<0.1	2	0.1	0.2	<0.1	3	0.03	0.007
838475	Rock	1.10	0.4	6.7	0.5	15	<0.1	2.9	1.4	103	0.48	3.1	3.0	<0.1	2	0.2	0.2	<0.1	3	0.01	0.003
838476	Rock	1.85	0.5	3.8	0.4	7	<0.1	1.9	0.8	99	0.57	5.7	1.1	<0.1	2	<0.1	0.1	<0.1	3	0.02	0.006
838477	Rock	2.50	0.4	4.6	0.5	10	<0.1	2.2	1.0	91	0.46	1.8	0.6	<0.1	1	0.1	0.1	<0.1	3	0.01	0.004
838478	Rock	1.51	0.4	10.9	1.4	22	<0.1	5.5	2.0	182	1.30	17.4	5.3	0.2	6	0.1	0.2	<0.1	16	0.15	0.053
838479	Rock	1.96	1.1	2.4	0.2	11	<0.1	2.6	0.5	90	0.46	36.4	<0.5	<0.1	2	0.1	0.2	<0.1	<2	0.01	0.002
838480	Rock	1.94	0.4	55.2	11.2	170	1.2	9.9	3.7	183	1.17	408.5	150.3	0.4	7	1.4	1.2	<0.1	18	0.19	0.031
838481	Rock	2.29	0.3	4.6	0.9	8	<0.1	4.7	1.7	97	0.58	11.9	1.0	0.1	2	0.1	0.4	<0.1	4	0.05	0.015
838482	Rock	2.58	0.5	4.1	1.3	9	0.2	9.5	5.4	129	0.88	89.4	51.7	<0.1	3	0.2	2.8	<0.1	5	0.06	0.017
838483	Rock	1.82	0.3	1.3	0.2	6	<0.1	1.3	0.3	56	0.38	1.5	1.1	<0.1	2	<0.1	<0.1	<0.1	<2	0.02	0.002
838484	Rock	2.25	1.2	2.0	0.6	18	<0.1	1.3	0.5	89	0.49	2.9	2.2	<0.1	3	0.2	0.2	<0.1	5	0.01	0.004
838485	Rock	2.99	0.5	4.1	0.2	11	<0.1	1.9	0.4	72	0.50	5.9	1.1	<0.1	2	0.2	0.2	<0.1	2	0.01	0.003
838486	Rock	2.17	0.6	6.5	0.5	5	<0.1	1.9	0.7	48	0.41	4.9	0.9	<0.1	2	0.8	0.2	<0.1	4	0.01	0.003
838487	Rock	2.53	0.9	1.7	0.5	11	<0.1	1.7	0.5	68	0.45	8.9	<0.5	<0.1	2	<0.1	0.2	<0.1	2	0.02	0.003
838487B	Rock Pulp		5.4	50.5	4.1	43	<0.1	32.7	9.2	502	2.88	4.7	1.4	1.1	44	0.2	0.5	<0.1	59	1.13	0.062
838488	Rock	2.64	0.4	11.2	35.2	17	4.7	5.1	2.2	244	0.77	24.2	1012.2	0.2	3	0.2	0.3	2.7	11	0.05	0.007
838489	Rock	1.96	1.1	13.3	2.8	11	0.2	10.1	2.3	2176	1.79	32.7	27.7	<0.1	6	0.3	0.9	<0.1	11	0.02	0.005

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

Project: Princeton
Report Date: July 27, 2015

CERTIFICATE OF ANALYSIS VAN15001686.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
838462	Rock	<1	5	<0.01	8	0.001	<1	0.03	0.002	<0.01	<0.1	0.07	0.2	<0.1	0.10	<1	3.0	38.4
838463	Rock	<1	8	0.19	32	0.002	<1	0.21	0.014	0.03	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5	3.2
838464	Rock	3	2	<0.01	18	0.002	<1	0.07	0.016	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	1.3	0.5
838465	Rock	2	6	0.12	18	0.035	<1	0.16	0.030	0.01	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
838466	Rock	5	17	0.30	113	0.097	<1	0.86	0.050	0.12	0.4	<0.01	2.7	<0.1	<0.05	3	<0.5	<0.2
838467	Rock	<1	3	<0.01	6	<0.001	<1	0.03	0.005	0.02	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838467B	Rock Pulp	5	39	0.80	116	0.131	4	1.53	0.097	0.11	0.4	0.02	4.9	<0.1	0.06	5	<0.5	<0.2
838468	Rock	<1	3	0.02	8	<0.001	<1	0.03	0.004	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838469	Rock	<1	4	0.02	36	0.001	<1	0.05	0.006	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838470	Rock	<1	3	<0.01	2	<0.001	<1	0.01	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
838471	Rock	<1	3	<0.01	12	<0.001	<1	0.03	0.003	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838472	Rock	2	18	0.32	96	0.081	532	0.70	0.051	0.12	<0.1	<0.01	2.2	<0.1	<0.05	1	<0.5	<0.2
838473	Rock	3	6	0.13	36	<0.001	2	0.22	0.001	0.07	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	1.0
838474	Rock	<1	4	0.06	9	0.001	5	0.09	0.003	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838475	Rock	1	3	0.01	7	<0.001	2	0.04	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838476	Rock	<1	4	0.03	8	0.003	1	0.07	0.002	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838477	Rock	<1	3	0.03	8	<0.001	1	0.07	0.002	0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838478	Rock	1	6	0.39	27	0.009	2	0.50	0.007	0.06	<0.1	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
838479	Rock	<1	3	<0.01	9	<0.001	<1	0.03	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838480	Rock	3	11	0.19	52	0.032	<1	0.41	0.006	0.09	0.2	<0.01	1.9	<0.1	<0.05	1	<0.5	<0.2
838481	Rock	<1	6	0.06	7	0.002	<1	0.13	0.002	0.02	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
838482	Rock	<1	4	0.08	14	0.005	<1	0.13	0.003	0.02	<0.1	<0.01	0.4	<0.1	0.06	<1	<0.5	<0.2
838483	Rock	<1	3	<0.01	5	<0.001	<1	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838484	Rock	<1	4	0.02	13	<0.001	<1	0.07	0.007	0.02	0.1	0.02	0.3	<0.1	<0.05	<1	<0.5	<0.2
838485	Rock	<1	4	0.02	9	0.005	<1	0.06	0.004	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
838486	Rock	<1	3	0.03	10	0.002	<1	0.08	0.005	0.02	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
838487	Rock	<1	3	<0.01	9	<0.001	<1	0.04	0.004	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
838487B	Rock Pulp	5	36	0.76	115	0.128	4	1.45	0.093	0.10	0.4	0.02	4.4	<0.1	0.06	5	<0.5	<0.2
838488	Rock	1	6	0.12	24	0.007	<1	0.19	0.007	0.03	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	4.6
838489	Rock	2	4	0.03	85	<0.001	<1	0.09	0.003	0.03	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	0.2

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2446 Bidston Road
Mill Bay BC V0R 2P4 CANADA

Project: Princeton
Report Date: July 27, 2015

CERTIFICATE OF ANALYSIS VAN15001686.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
838490	Rock	1.72	0.2	12.1	1.8	5	<0.1	4.2	1.8	93	0.48	1.3	2.0	<0.1	8	<0.1	<0.1	<0.1	7	0.14	0.012

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CERTIFICATE OF ANALYSIS VAN15001686.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
838490	Rock	<1	7	0.08	251	0.019	1	0.18	0.019	0.03	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2

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QUALITY CONTROL REPORT VAN15001686.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
838464	Rock	1.42	0.9	41.1	9.5	36	0.8	2.2	3.2	180	1.35	61.1	96.1	4.7	2	0.5	1.6	0.2	3	0.01	0.009
REP 838464	QC		0.7	41.5	9.4	36	0.8	2.0	3.2	176	1.33	59.0	94.6	4.7	2	0.4	1.8	0.1	3	0.01	0.009
838465	Rock	0.52	0.2	13.3	0.9	10	0.1	3.3	2.5	111	0.65	2.2	3.2	0.2	5	<0.1	<0.1	<0.1	16	0.12	0.015
REP 838465	QC		0.2	12.3	0.9	9	<0.1	3.1	2.5	116	0.66	2.0	5.1	0.2	4	<0.1	<0.1	<0.1	16	0.13	0.014
Reference Materials																					
STD DS10	Standard		15.9	155.9	149.0	376	1.9	76.9	12.9	898	2.83	48.6	77.4	7.4	70	2.8	9.2	12.2	43	1.10	0.081
STD DS10	Standard		13.0	152.1	149.3	367	1.8	73.6	12.7	893	2.74	43.6	71.5	7.3	71	2.6	9.6	12.7	44	1.06	0.074
STD OXC129	Standard		1.3	26.8	5.8	42	<0.1	79.6	21.1	438	3.12	0.9	186.9	1.8	190	<0.1	<0.1	<0.1	53	0.71	0.105
STD OXC129	Standard		1.4	27.2	5.8	42	<0.1	78.1	19.8	423	3.04	<0.5	190.7	2.0	200	<0.1	<0.1	<0.1	53	0.67	0.099
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
STD OXC129 Expected			1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102
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
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
Prep Wash																					
ROCK-VAN	Prep Blank		0.6	3.3	0.9	26	<0.1	0.8	3.5	452	1.80	6.6	1.5	2.2	32	<0.1	<0.1	<0.1	25	0.71	0.040
ROCK-VAN	Prep Blank		0.7	2.4	1.0	28	<0.1	0.8	3.3	460	1.79	1.0	<0.5	2.1	32	<0.1	<0.1	<0.1	25	0.68	0.037

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Project: Princeton
Report Date: July 27, 2015

QUALITY CONTROL REPORT VAN15001686.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
838464	Rock	3	2	<0.01	18	0.002	<1	0.07	0.016	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	1.3	0.5
REP 838464	QC	3	2	<0.01	17	0.002	<1	0.07	0.015	0.03	<0.1	<0.01	0.3	<0.1	<0.05	<1	1.5	0.6
838465	Rock	2	6	0.12	18	0.035	<1	0.16	0.030	0.01	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
REP 838465	QC	2	6	0.10	16	0.034	<1	0.15	0.031	0.01	<0.1	<0.01	1.4	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS10	Standard	19	57	0.80	343	0.080	5	1.09	0.072	0.35	3.3	0.33	3.0	4.9	0.28	4	2.5	5.3
STD DS10	Standard	18	54	0.77	348	0.079	7	1.05	0.067	0.32	3.2	0.28	2.8	5.0	0.28	4	2.0	5.0
STD OXC129	Standard	13	51	1.58	49	0.388	<1	1.60	0.622	0.38	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	50	1.55	50	0.402	<1	1.56	0.589	0.35	<0.1	<0.01	0.7	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		17.5	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 OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
ROCK-VAN	Prep Blank	6	2	0.42	68	0.075	<1	1.05	0.122	0.10	<0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
ROCK-VAN	Prep Blank	6	2	0.42	68	0.078	1	1.04	0.123	0.11	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2