BRITISH COLUMBIA

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**	**$29,046.71**
Geochemical Sampling		

AUTHOR(S) R. T. Henneberry, G.L.Wesa

SIGNATURE(S) "signed and sealed"

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

YEAR OF WORK 2010

STATEMENT OF WORK – CASH PAYMENT EVENT NUMBERS / DATE(S) 4821453

PROPERTY NAME Placer Mountain

CLAIM NAME(S) (on which work was done)
Placer Mountain 1, Placer Mountain 2, Placer Mountain 3, Placer Mountain 6, Placer Mountain A

COMMODITIES SOUGHT Porphyry copper, gold

MINERAL INVENTORY MINFILE NUMBERS, IF KNOWN

MINING DIVISION Similkameen

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

LATITUDE
NORTHING 5446250 EASTING 685400 LONGITUDE UTM ZONE 10 MAP DATUM NAD 83 (at centre of work)

OWNER 1
Sydney WIlson

OWNER 2

MAILING ADDRESS
4766 West 4th Avenue
Vancouver, B.C. V6T 1C2

OPERATORS (who paid for work)
same

MAILING ADDRESS

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size, attitude)
The claims are largely underlain by Eocene Princeton Group volcanics masking suspected Triassic Nicola Group volcanics and Cretaceous intrusives. A follow up Mobile Metal Ion (MMI) survey was completed. An Au, Ag, Cu, Mo anomaly was detected. Prospecting located angular quartz float to 21 gpt Au in the anomalous area. Further exploration is recommended.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS
30654

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (In Metric Units)	On Which Claims	Project Costs Apportioned
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo Interpretation			
GEOPHYSICAL (line kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Siesmic			
Other			
Airborne			
GEOCHEMICAL			
(number of samples analyzed for)			
Soil	50	Placer Mountain 1,2,3	
Silt	4	Placer Mountain 6, A	
Rock	10	Placer Mountain 6, A	
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	**$29,046.71**

MAMMOTH
GEOLOGICAL LTD.
2446 Bidston Road
Mill Bay, B.C. Canada V0R 2P4
Phone : (250) 743-8228 Fax : (250) 743-4430
email : mammothgeo@shaw.ca

2010 GEOCHEMICAL REPORT

PLACER MOUNTAIN PROJECT

Similkameen Mining Division
TRIM Sheet 092H008, 092H018
UTM (NAD 83) ZONE 10 685400E 5446250N

FOR

Mr. Sydney Wilson.
4766 West 4th Avenue
Vancouver, B.C. V6T 1C2

By: R.Tim Henneberry, P.Geo.
Gary L. Wesa, B.Sc., FGAC
December 31, 2010

SUMMARY

Mr. Sydney Wilson is exploring the Placer Mountain property for its porphyry copper-molybdenum and precious metal potential. The 4,797 hectare property is road accessible and is situated 37 kilometres south of Princeton, British Columbia. The Placer Mountain claims are currently held by map staking by Mr. Sydney Wilson of Vancouver, B.C.

The Placer Mountain property is underlain by Eocene Princeton Group andesiteswhich appear to be masking the suspected contact between Triassic Nicola Group volcanics and metamorphics, and Jurassic to Cretaceous granodiorites. Bedrock mineralization has not yet been found on the Placer Mountain property.

The two-year sampling program on the Placer Mountain block consists of completion of reconnaissance MMI soil lines in 2008 and a 1200 metre wide by 1300 metre long soil grid in 2010. Current analytical data suggests that the north and central portions of the grid are moderately anomalous in copper, molybdenum, gold and silver. These areas require methodical detailed prospecting to verify anomalies.

Stream sediment sampling and prospecting along the north fork of Placer Creek, in the northern portion of the claim block, and upstream from an 86 ppb Au RGS (Regional Geochemical Sample) site resulted in the discovery of abundant vein quartz float returning a maximum value of 21 gpt Au.

Further exploration on the Placer Mountain Property is strongly warranted in the northern portion of the property to evaluate an area delineated by a MMI Ag, Au, Cu and Mo MMI soil anomaly that also includes auriferous bearing quartz vein float found in streams and along road cuts. Further prospecting and conventional soil geochemistry is required to locate bedrock sources of the quartz float. Ten days of prospecting, and 27 days of soil sampling, based on two two-man sampling crews, is recommended for the 2011 follow-up program. A soil grid measuring 1500 metres wide by 2500 metres long is recommended, to be sampled at initial intervals of 50 metres along 100 metre spaced lines, resulting in the collection of 800 soil samples. This program is estimated to cost $150,000.

The cost of the 2010 exploration program was $29,046.71. This sum, combined with $11,076.74 incurred in the July 2008 MMI sampling program, results in a total current expenditure of $40,123.45 on the Placer Mountain Property.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICIES

INTRODUCTION

The purpose of this Technical Report is to compile the results of the 2010 MMI soil sampling and prospecting program on the Placer Mountain Property for assessment credit.

This report was commissioned by Mr. Sydney Wilson, the property owner.

R.Tim Henneberry, P.Geo., serves as the Qualified Person responsible for preparing the Technical Report.

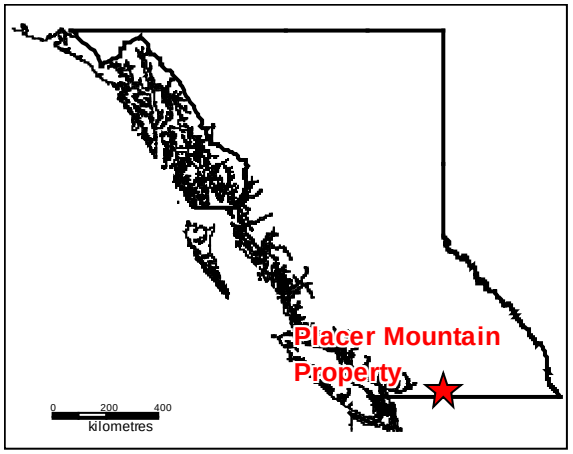
In preparing this report, the authors referred to geological reports listed in the References section and on their years of extensive mineral exploration experience in British Columbia. Mr. Henneberry supervised the 2010 exploration program completed by Mammoth Geological Ltd. of Mill Bay, B.C.

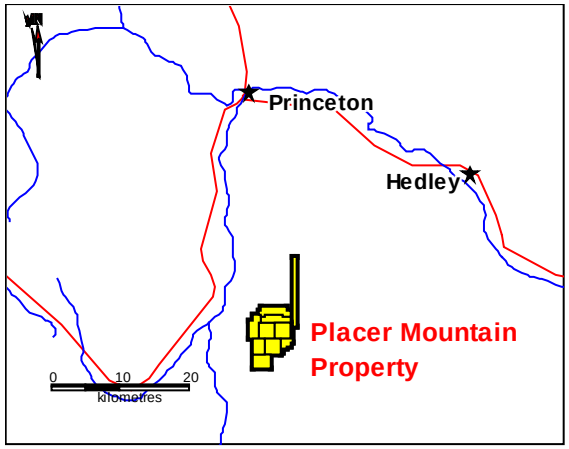
Mr. Gary Wesa and Mr. Evan Henneberry completed MMI soil sampling on the property from August 10 to August 17, 2010, and Mr. Wesa and Mr. Ed Balon, P.Geo., completed a prospecting program on the property from August 21 to August 29, 2010. Mr. Henneberry has not yet visited the Placer Mountain Property.

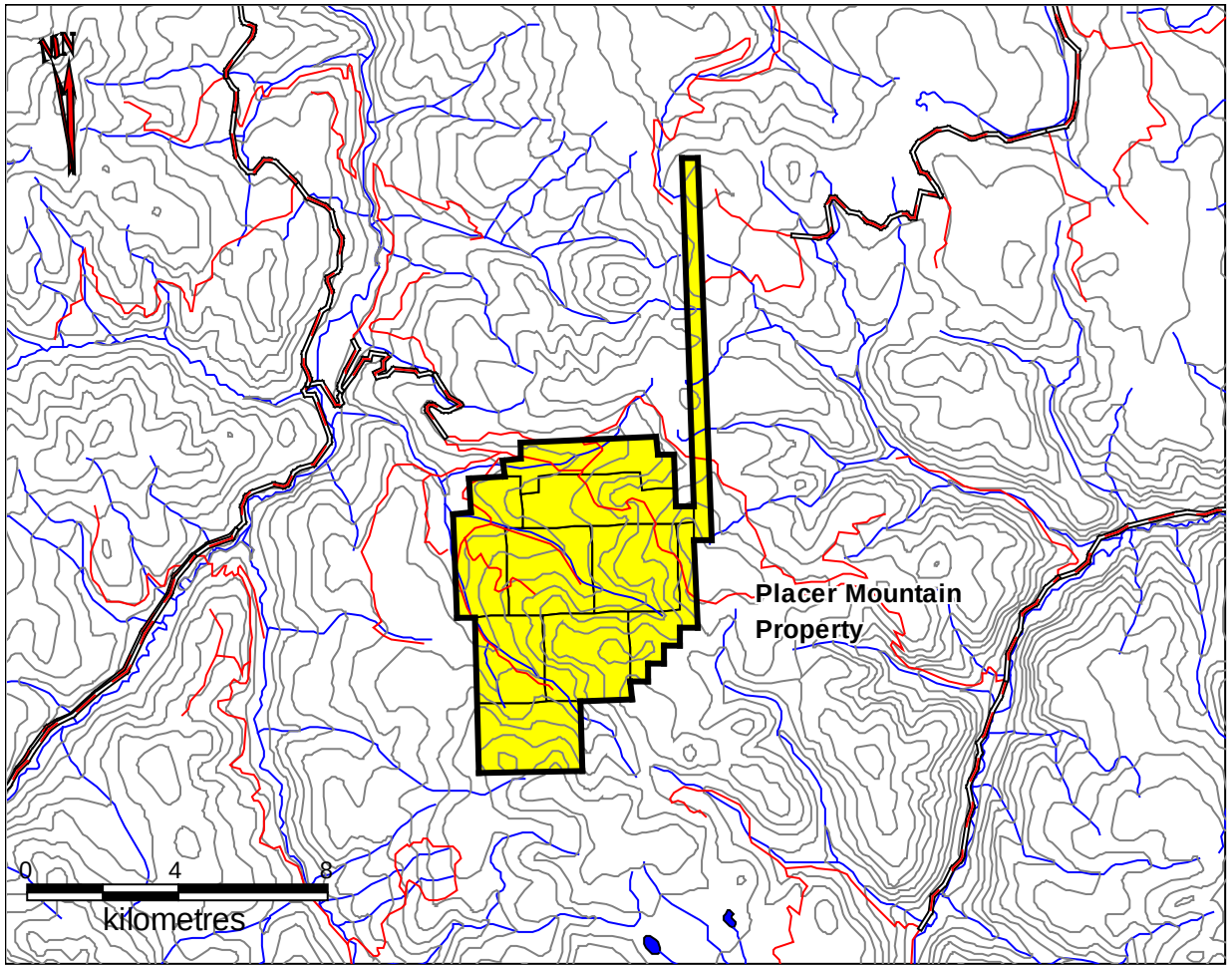
RELIANCE ON OTHER EXPERTS

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

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







Projection is UTM NAD83 Zone 10

PLACER MOUNTAIN PROJECT
LOCATION
Figure 1

PROPERTY DESCRIPTION AND LOCATION

The Placer Mountain property is located on TRIM claim sheets 092H008, 092H018 in the Similkameen Mining Division. The property consists of 11 claims totaling 4,796.77 hectares. The geographic center of the property is approximately 685400E 5446250N in UTM ZONE 10 (NAD 83).

All claims are held 100% by Mr. Sydney Wilson of Vancouver, B.C.

Table 1. List of Tenures

Tenure Number	Claim Name	Owner	Map Number	Issue Date	Good To Date	Area (ha)
577671	PLACER MOUNTAIN 1	129188 (100%)	092H	2008/mar/01	2012/jun/12*	528.289
577672	PLACER MOUNTAIN 2	129188 (100%)	092H	2008/mar/01	2012/jun/12*	528.289
577674	PLACER MOUNTAIN 3	129188 (100%)	092H	2008/mar/01	2012/jun/12*	528.511
577679	PLACER MOUNTAIN 6	129188 (100%)	092H	2008/mar/01	2012/jun/12*	528.118
600232	PLACER MOUNTAIN 4	129188 (100%)	092H	2009/mar/02	2012/jun/12*	528.220
706153	PLACER MOUNTAIN A	129188 (100%)	092H	2010/feb/12	2012/jun/12*	443.529
712262	PLACER LAKE	129188 (100%)	092H	2010/mar/03	2012/jun/12*	507.562
712282	PLACER MOUNTAIN 5	129188 (100%)	092H	2010/mar/03	2012/jun/12*	422.808
712322	PLACER MOUNTAIN 7	129188 (100%)	092H	2010/mar/03	2012/jun/12*	317.044
826602	CONNECTOR	129188 (100%)	092H	2010/jul/25	2012/jun/12*	464.402
	10 claims					**4796.773**

* pending approval of 2010 work program for assessment credit

The Placer Mountain property is surrounded by unstaked ground except to the north where Tenures 647289, 647291, 647304, 647306 and 647307 are held by Supreme Resources Ltd. Tenures 577668, 629212 and 712302 are held by Mr. Sydney Wilson, the owner of the Placer Mountain Property.

There is currently no known bedrock mineralization on the Placer Mountain Property, however, a multi-element MMI soil geochemical anomaly in an area of auriferous quartz float has been delineated on the property as shown in Figure 5.

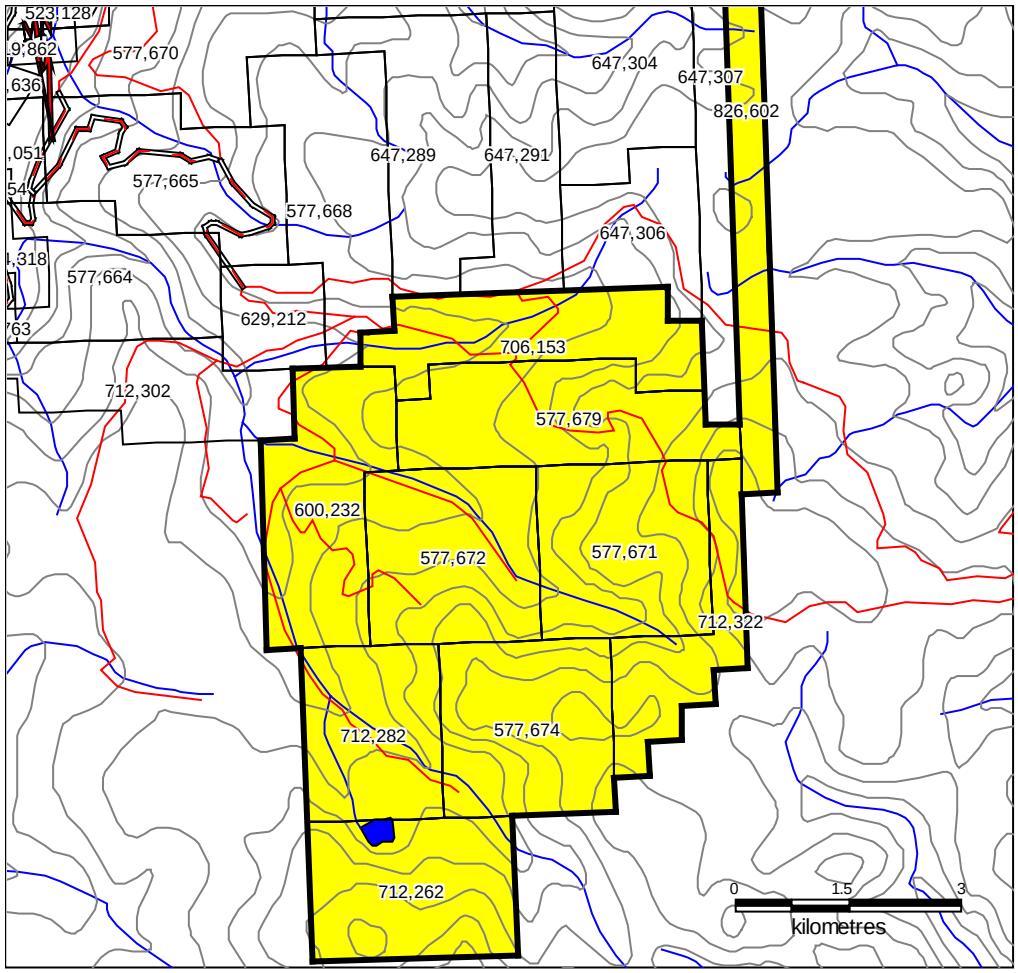
To the best of the author's knowledge, there are no environmental liabilities associated with the Placer Mountain property.

It is recommended that the next phase of exploration on the Placer Mountain Property be further prospecting and MMI or conventional soil geochemistry for which an exploration permit is not required.

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The Placer Mountain property is situated 37 kilometres south of Princeton, British Columbia. Road access is via Highway 3 south from Princeton to Placer Mountain Forest Service Road which connects to several active and abandoned logging roads. Placer Mountain property is situated approximately 13 kilometres along the Placer Mountain Forest Service Road.

Topography relief on the Placer Mountain property is steep ranging from 1300 metres above sea level (ASL) at the extreme northwestern corner of the property to 2100 metres ASL at the extreme southeastern corner of the property. Vegetation consists of thick stands of jack pine and spruce on north facing slopes with significantly sparser vegetation on remaining slopes. Jack pine is locally falling victim to the Mountain Pine Beetle infestation. Undergrowth is limited but heavy deadfall is prevalent in many areas. Rock outcrops are rare except along ridges, road cuts and within incised valleys. Large areas of the property are currently experiencing active logging.



UTM NAD 83 Zone 10

PLACER MOUNTAIN PROPERTY
Claim Location (092H008, 092H018)
Figure 2

The climate in this region is 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. Precipitation is light, averaging 40 to 50 cm per annum, with seasonal temperatures ranging between -35°C in winter to >30°C during summer.

The logistics of working in this part of the province are excellent. Gravel logging road access allows for movement of supplies and equipment by truck transport. Heavy equipment, supplies, fuel and accommodation are available in Princeton.

HISTORY

According to the British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report Database, the ground presently covered by the Placer Mountain property has no exploration history prior to acquisition by Mr. Sydney Wilson.

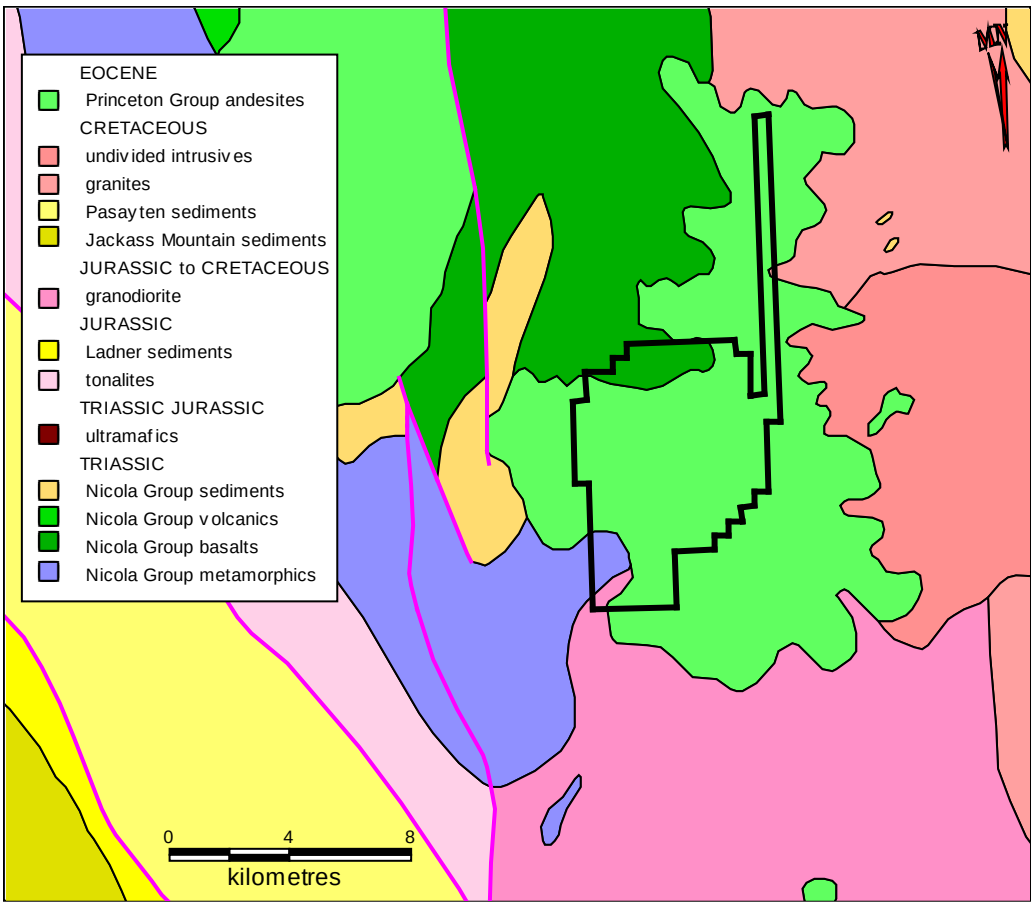
A preliminary MMI soil survey consisting of a north-south and an east-west reconnaissance line was completed within the central core of the property in 2008. This survey (Henneberry, 2008) located several spot anomalies that were followed up with the current program.

Mr. Wilson has also been exploring the Placer Creek property to the northwest for gold over the last three years: Henneberry (2008b); Butrenchuk et al (2009); Henneberry and Wesa (2010). This property is contiguous to the northwestern boundaries of the Placer Mountain property.

GEOLOGICAL SETTING
(Summarized from MINFILE 092HSE)

The Placer Mountain property 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 comagmatic 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 overlain by a thick section of coarse clastics of the partly coeval Cretaceous Jackass Mountain and Pasayten Groups.



UTM NAD 83 Zone 10
Geology from MapPlace

PLACER MOUNTAIN PROPERTY
Regional Geology
Figure 3

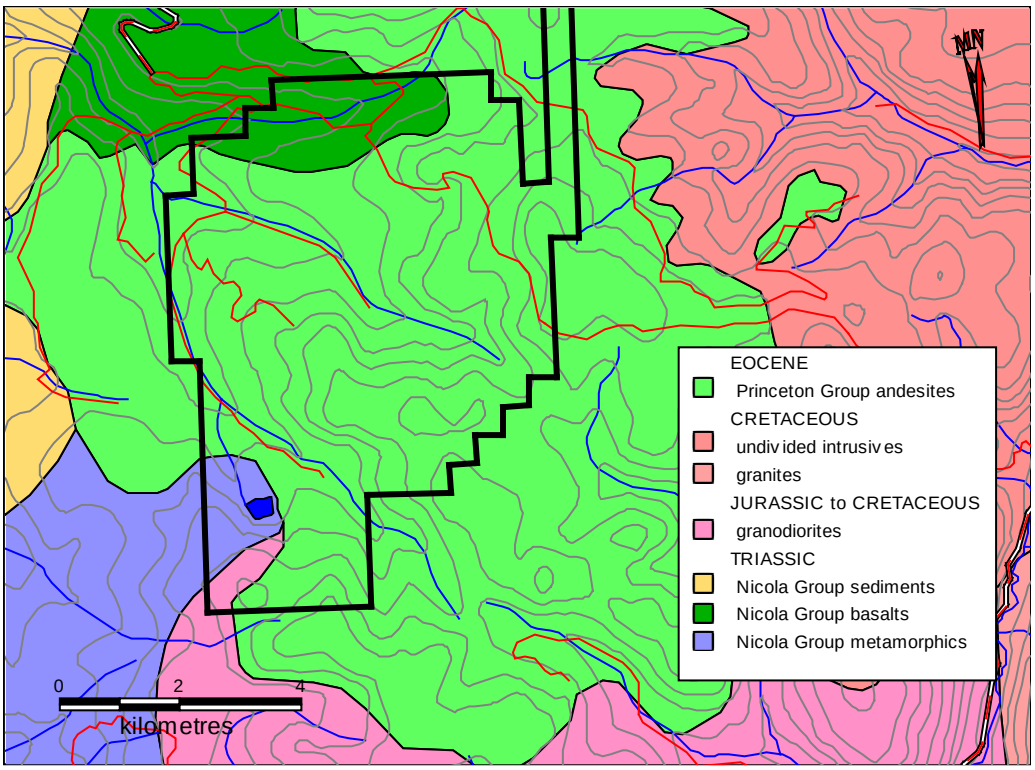
The oldest rocks in the Placer Mountain area belong to the Triassic Nicola Group consisting of basaltic and undivided volcanics and overlying clastic sediments. These rocks are metamorphosed to amphibolite grade in the central portion of the map area.

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.

Placer Mountain Property Geology

The Placer Mountain property has not yet been mapped.



UTM NAD 83 Zone 10
Geology from MapPlace

PLACER MOUNTAIN PROPERTY
Preliminary Property Geology
Figure 4

The geological map of the area, derived from the British Columbia Ministry of Energy and Mines MapPlace website (Figure 4), shows that Placer Mountain Property is underlain primarily by Eocene Princeton andesitic flows which mask a possible contact between Nicola andesitic and metamorphic units and Jurassic to Cretaceous granodiorites.

DEPOSIT TYPES

The Placer Mountain Property is being explored for porphyry Cu – Mo deposits. The following description is summarized from the British Columbia Ore Deposit Models (Panteleyev, 1995).

Porphyry Cu±Mo deposits consist of stockworks of quartz veinlets, quartz veins, closely spaced fractures and breccias containing pyrite and chalcopyrite with lesser molybdenite, bornite and magnetite occurring in large zones of economically bulk-mineable mineralization in or adjoining porphyritic intrusions and related breccia bodies. Disseminated sulphide minerals are present, generally in subordinate amounts. The mineralization is spatially, temporally and genetically associated with hydrothermal alteration of the host rock intrusions and wallrocks. In British Columbia, porphyry deposits are either Triassic-Jurassic or Cretaceous-Tertiary in age.

Porphyry Cu-Mo deposits are typically hosted in orogenic belts at convergent plate boundaries, commonly linked to subduction-related magmatism or in association with the emplacement of high-level stocks during extensional tectonism related to strike-slip faulting and back-arc spreading following continent margin accretion. They are associated with high-level (epizonal) stocks within volcano-plutonic arcs. Virtually any type of country rock can be mineralized, but commonly the high-level stocks and related dikes intrude their coeval and cogenetic volcanic pile. These intrusions range from coarse-grained phaneritic to porphyritic stocks, batholiths and dike swarms. Compositions range from calcalkaline quartz diorite to granodiorite and quartz monzonite. Commonly there is multiple emplacement of successive intrusive phases and a wide variety of breccias.

Porphyry Cu-Mo deposits consist of large zones of hydrothermally altered rock containing quartz veins and stockworks, sulphide-bearing veinlets; fractures and lesser disseminations in areas up to 10 km2 in size, commonly coincident wholly or in part with hydrothermal or intrusion breccias and dike swarms. Deposit boundaries are determined by economic factors that outline ore zones within larger areas of low-grade, concentrically zoned mineralization. Ore grade mineralization is often controlled by igneous contacts. Breccias, mainly early formed intrusive and hydrothermal types also commonly host ore-grade mineralization. Zones of intensely developed fracturing give rise to ore-grade vein stockworks, notably where there are coincident or intersecting multiple mineralized fracture sets.

Alteration mineralogy consists of quartz, sericite, biotite, K-feldspar, albite, anhydrite /gypsum, magnetite, actinolite, chlorite, epidote, calcite, clay minerals, tourmaline. Early formed alteration can be overprinted by younger assemblages. Central and early formed potassic zones (K-feldspar and biotite) commonly coincide with ore. This alteration can be flanked in volcanic hostrocks by biotite-rich rocks that grade outward into propylitic rocks. The biotite is a fine-grained, 'shreddy' looking secondary mineral that is commonly referred to as an early developed biotite (EDB) or a 'biotite hornfels'. These older alteration assemblages in cupriferous zones can be partially to completely overprinted by later biotite and K-feldspar and then phyllic (quartz-sericite-pyrite) alteration, less commonly argillic, and rarely, in the uppermost parts of some ore deposits, advanced argillic alteration (kaolinite-pyrophyllite)

Local swarms of dikes, many with associated breccias, and fault zones are sites of mineralization. Orebodies around silicified alteration zones tend to occur as diffuse vein stockworks carrying chalcopyrite, bornite and minor pyrite in intensely fractured rocks but, overall, sulphide minerals are sparse. Much of the early potassic and phyllic alteration in central parts of orebodies is restricted to the margins of mineralized fractures as selvages. Later phyllic-argillic alteration forms envelopes on the veins and fractures and is more pervasive and widespread. Propylitic alteration is widespread but unobtrusive and is indicated by the presence of rare pyrite with chloritized mafic minerals, saussuritized plagioclase and small amounts of epidote.

Pyrite is the predominant sulphide mineral; in some deposits the Fe oxide minerals magnetite, and rarely hematite, are abundant. Ore minerals are chalcopyrite; molybdenite, lesser bornite and rare (primary) chalcocite. Subordinate minerals are tetrahedrite/tennantite, enargite and minor gold, electrum and arsenopyrite. In many deposits late veins commonly contain galena and sphalerite in a gangue of quartz, calcite and barite. Gangue minerals in mineralized veins are mainly quartz with lesser biotite, sericite, K-feldspar, magnetite, chlorite, calcite, epidote, anhydrite and tourmaline. Many of these minerals are also pervasive alteration products of primary igneous mineral grains.

Geochemically, calcalkalic systems can be zoned with a Cu$\pm$Mo ore zone having a 'barren', low-grade pyritic core and surrounded by a pyritic halo with peripheral base and precious metal-bearing veins. Central zones with Cu commonly have coincident Mo, Au and Ag with possibly Bi, W, B and Sr. Peripheral enrichment in Pb, Zn, Mn, V, Sb, As, Se, Te, Co, Ba, Rb and possibly Hg is documented. Overall the deposits are large-scale repositories of sulphur, mainly in the form of metal sulphides, chiefly pyrite. Geophysically, ore zones, particularly those with higher Au content, can be associated with magnetite-rich rocks and are indicated by magnetic surveys. Alternatively the more intensely hydrothermally altered rocks, particularly those with quartz-pyrite-sericite (phyllic) alteration produce magnetic and resistivity lows. Pyritic haloes surrounding cupriferous rocks respond well to induced polarization (I.P.) surveys but in sulphide-poor systems the ore itself provides the only significant IP response.

British Columbia porphyry Cu $\pm$ Mo ± Au deposits range from 50 to 900 million tonnes grading 0.2 to 0.5 % Cu, <0.1 to 0.6 grams/tonne Au, and 1 to 3 grams/tonne Ag. Mo grades range from negligible to 0.04 % Mo. Median values for 40 B.C. deposits with reported reserves are: 115 Mt with 0.37 % Cu, *0.01 % Mo, 0.3g /t Au and 1.3 g/t Ag.

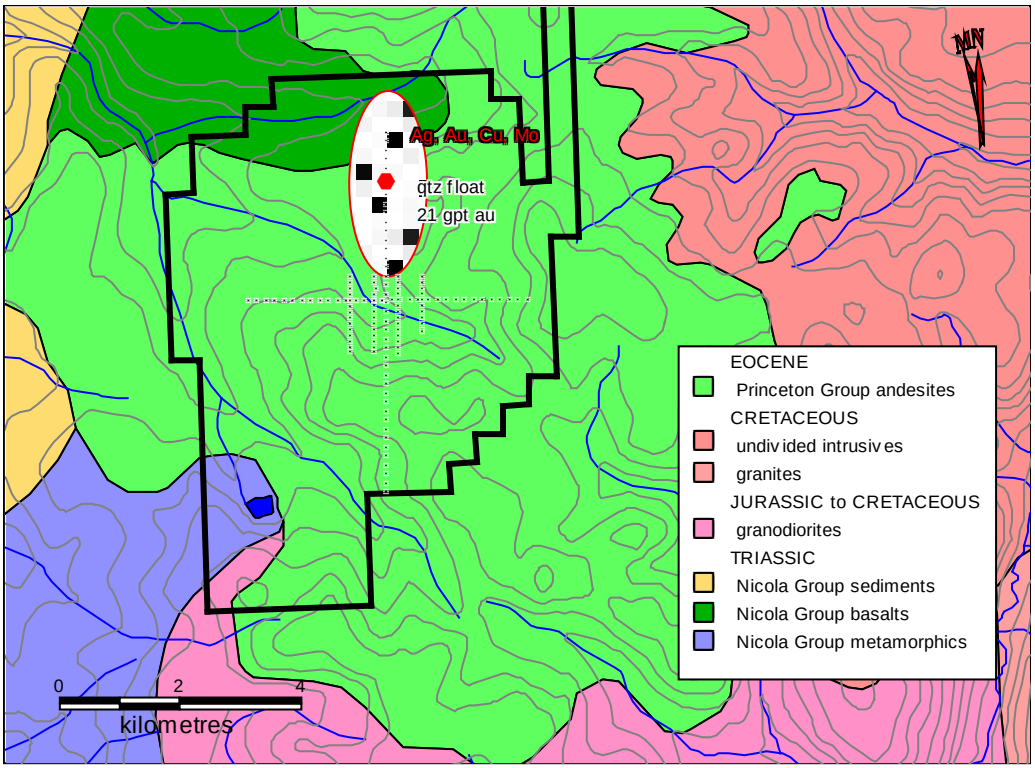
Mine production in British Columbia is from primary (hypogene) ores. Rare exceptions are Afton mine where native copper was recovered from an oxide zone, and Gibraltar and Bell mines where incipient supergene enrichment has provided some economic benefits.

Porphyry deposits contain the largest reserves of Cu, significant Mo resources and close to 50 % of Au reserves in British Columbia.

MINERALIZATION

The Placer Mountain Property is being explored for porphyry copper - molybdenum mineralization, however, the results of the 2010 prospecting program suggest there is also good potential for quartz vein hosted precious metal mineralization. While there presently is no bedrock mineralization on the Placer Mountain Property, the geological setting is promising for porphyry style mineralization as suggested by the suspected western contact between granitic intrusives with the older Nicola Group basaltic volcanics and metamorphics.

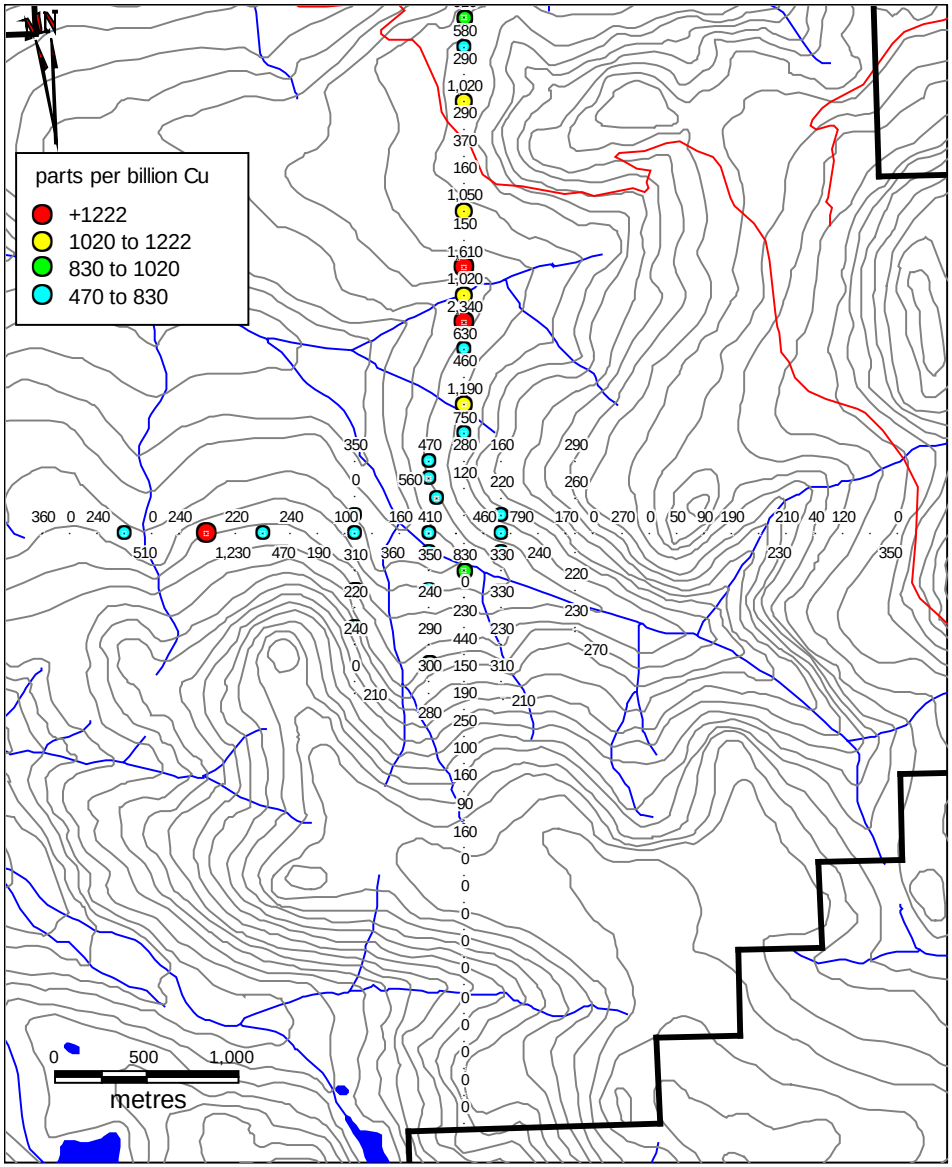
The 2010 MMI soil sampling program outlined anomalous lead and zinc values within the four north-south lines comprising the 2010 grid (Figure 5). The combined 2008 and 2010 soil geochem analytical statistics (Table 2, Pg. 22) have enhanced the economic mineralogical character of the northern portion of the 2008 north-south reconnaissance line as evidenced by elevated Ag, Au, Cu and Mo values.



UTM NAD 83 Zone 10
Geology from MapPlace

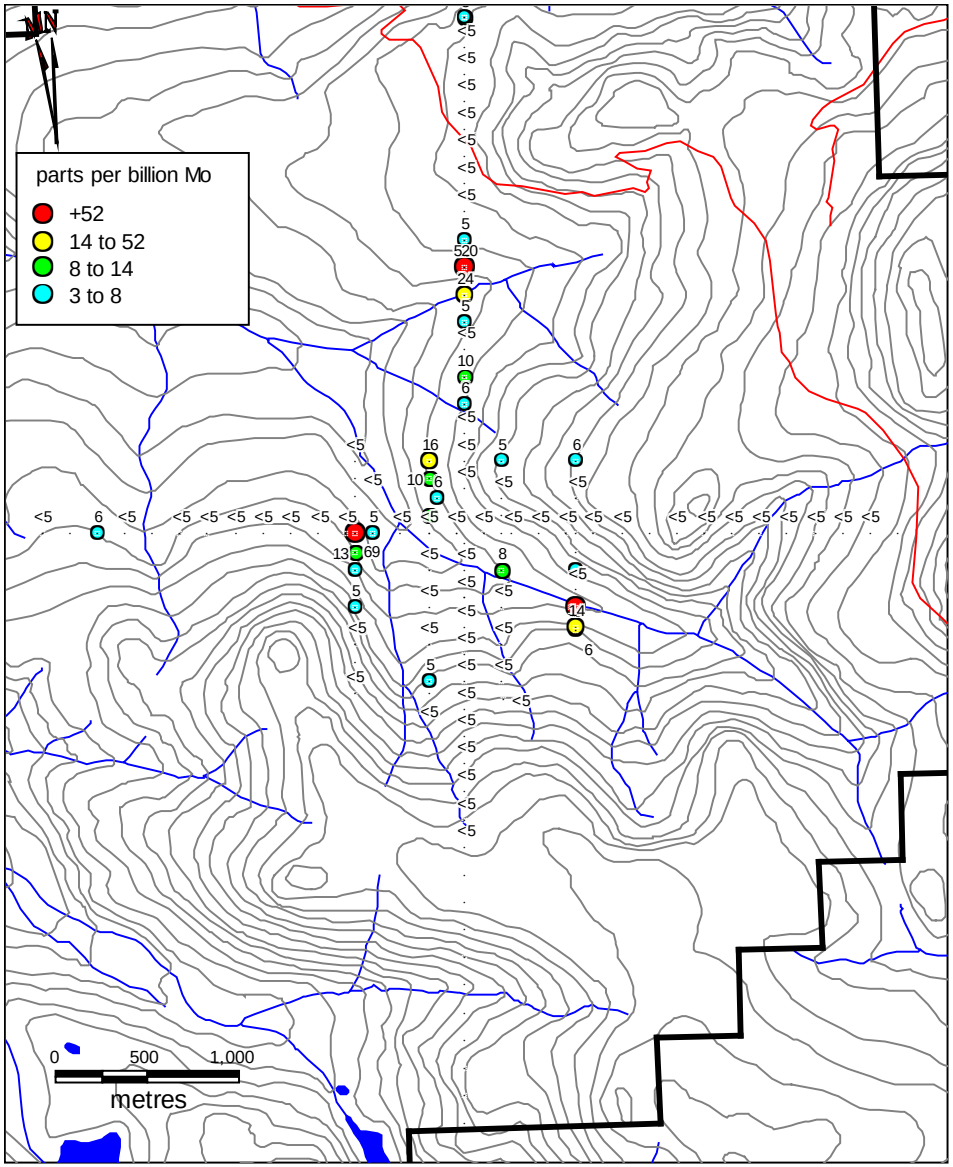
PLACER MOUNTAIN PROPERTY
Anomalous Zones
Figure 5

The 2010 prospecting survey resulted in the discovery of angular to rounded vein quartz float boulders, hosting finely disseminated to coarse grain pyrite, within a narrow drainage in the anomalous area illustrated in Figure 5, that returned a strongly anomalous value of 21 gpt gold.



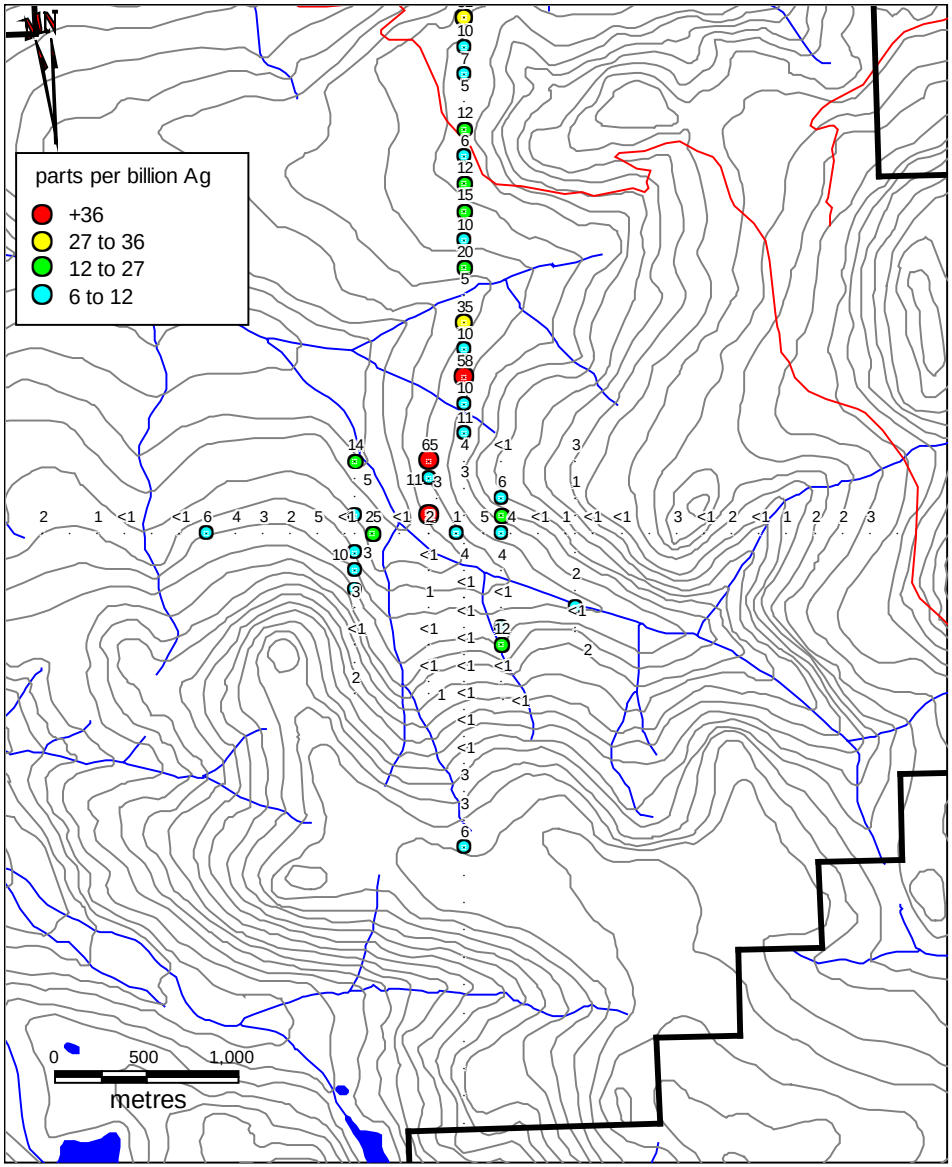
Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Cu
Figure 6a



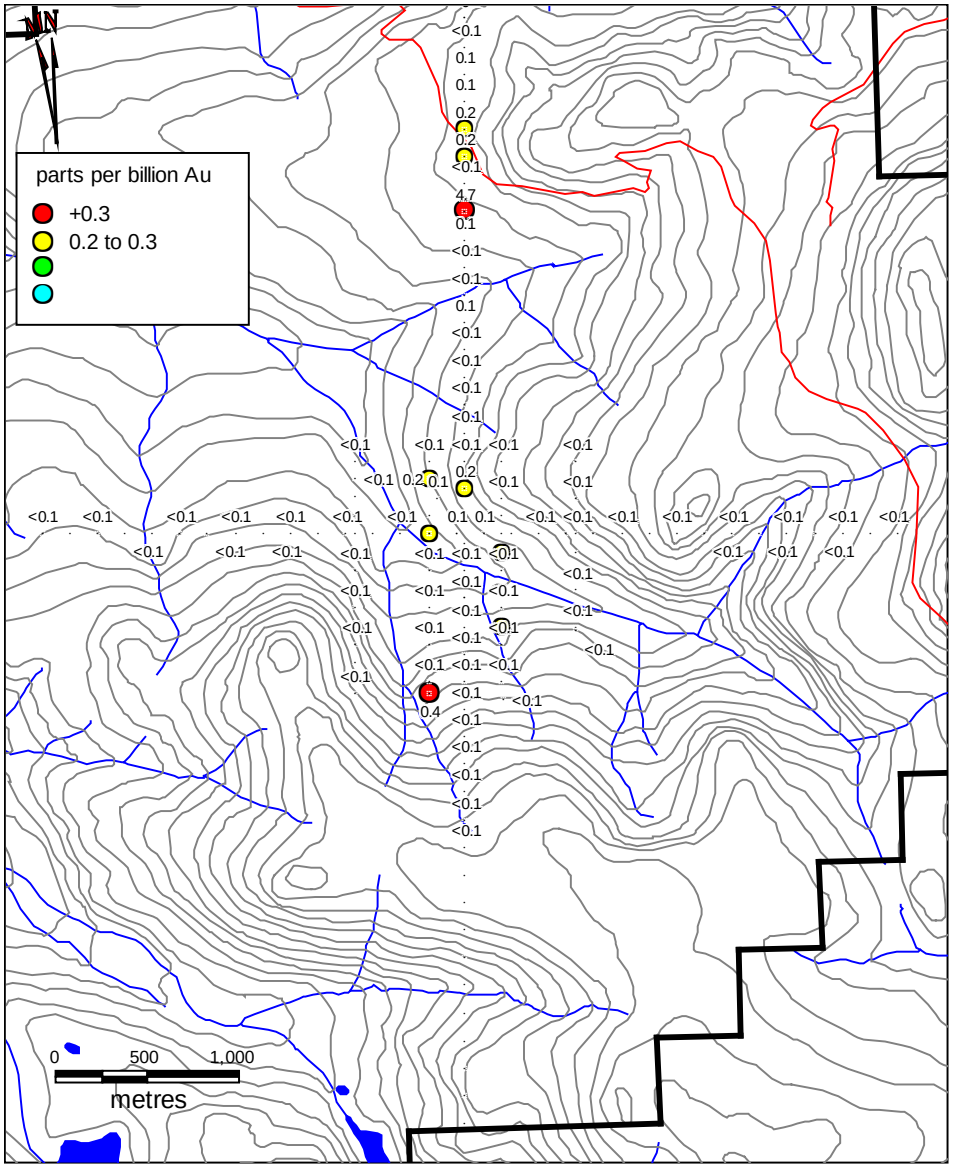
Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Mo
Figure 6b



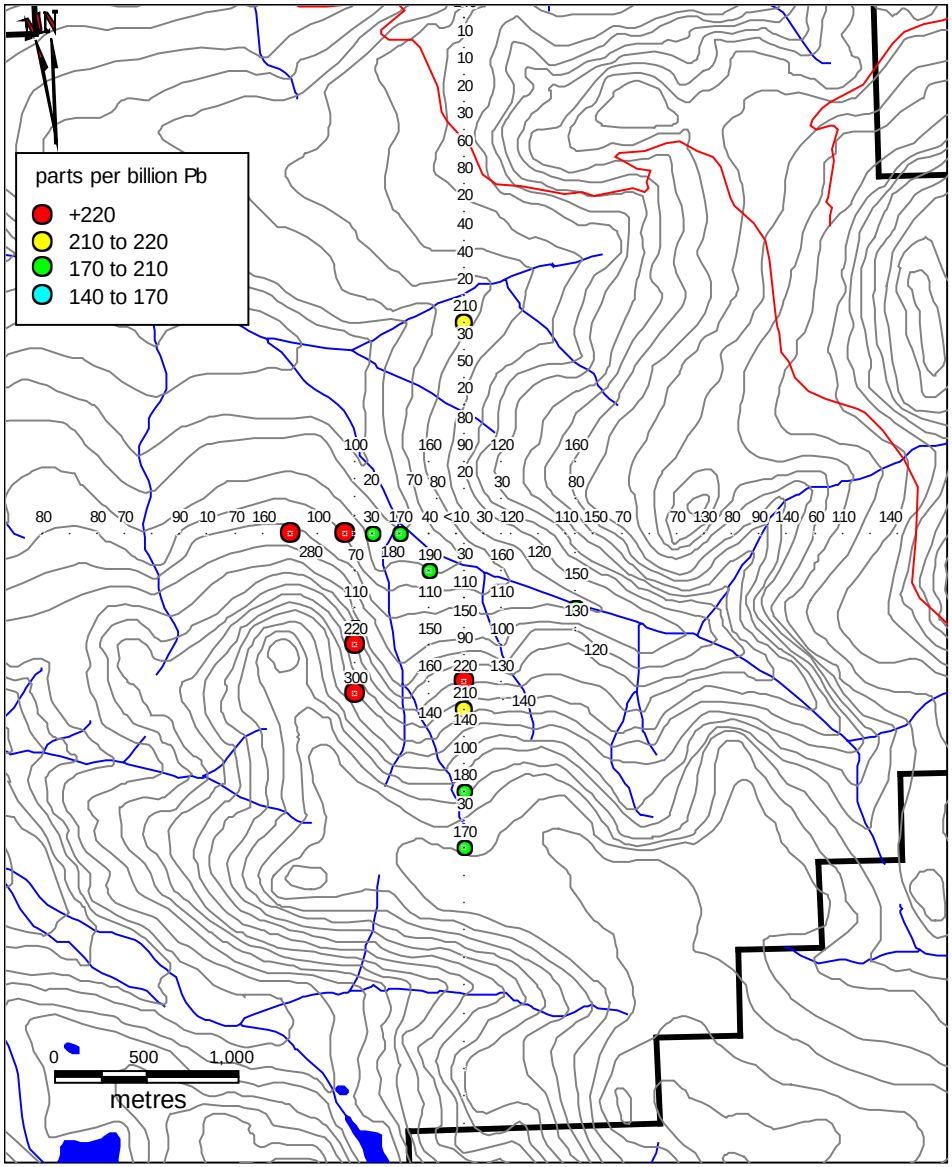
Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Ag
Figure 6c



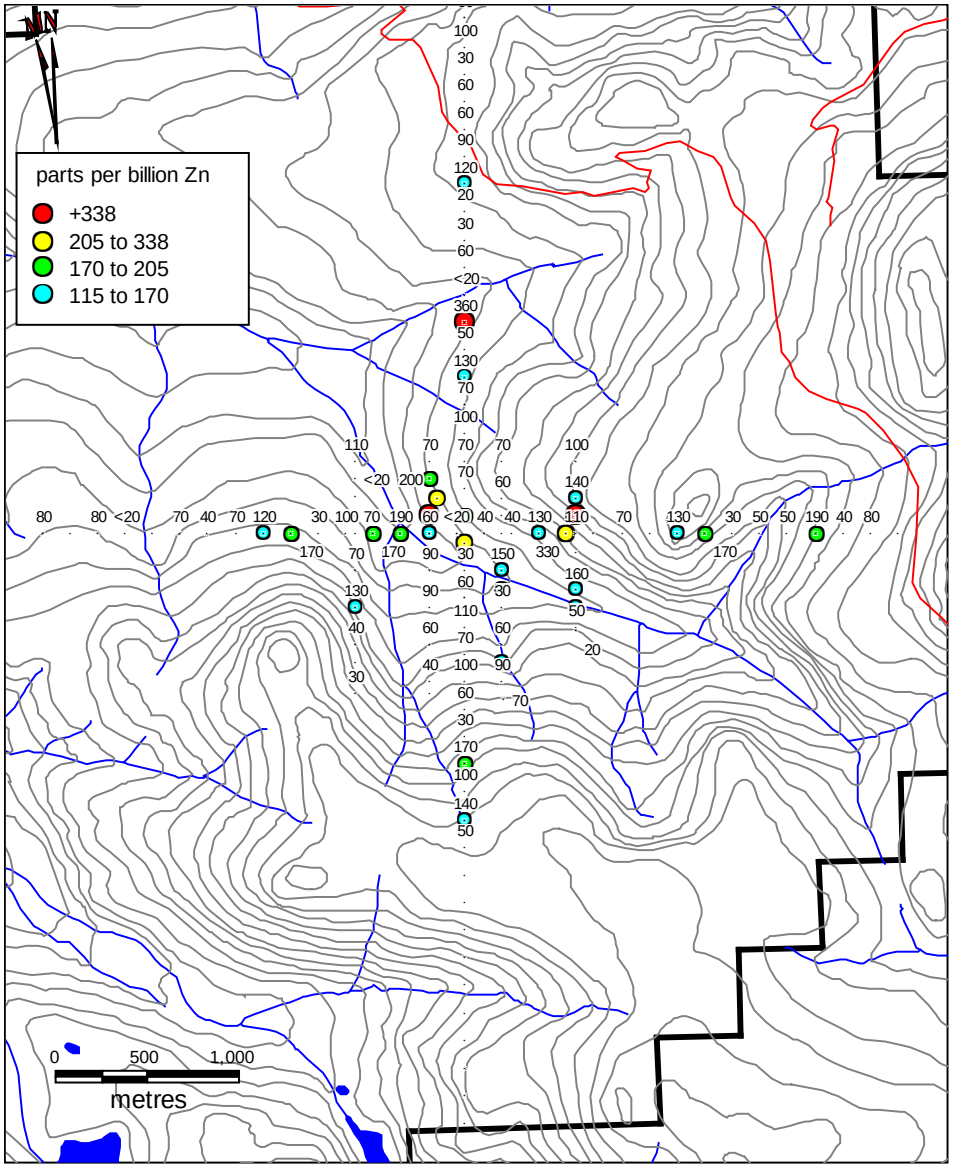
Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Au
Figure 6d



Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Pb
Figure 6e



Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT
MMI ppb Zn
Figure 6f

EXPLORATION

The 2010 exploration program consisted of two phases: a MMI soil sampling survey over the centre of the two cross-cutting 2008 reconnaissance soil lines; and a preliminary prospecting program following up a government Regional Geochemistry Survey (RGS) gold anomaly.

MMI was utilized over conventional geochemistry as it has been proven to see deeper mineralization, including that masked by barren overlying rock units. Mobile Metal Ion (MMI) technology is a relatively new geochemical process. It is based on the widely held belief that mobile metal ions are transported from deeply buried ore bodies to the surface. These mobile metal ions move into the weathering zone and become weakly or loosely attached to surface soil particles. Complete details on the MMI theory can be found in Henneberry (2008) and on the MMI website (www.mmigeochem.com).

The 2010 MMI survey consisted of establishing four north-south trending, flagged soil lines, measuring 1300 metres in length and spaced at 400 metre intervals, which were sampled at 100 metre intervals. A total of 50 samples were collected from a consistent depth of 10 to 25 centimetres below the organics / inorganic interface and were analyzed for the MMI-M multi element suite.

Bubble plots were completed for copper, molybdenum, silver, gold, lead, and zinc (Figure 6a through 6g) utilizing the 90th, 95th and 98th percentiles (Table 2).

Copper – The copper plot (Figure 6a) shows the northern two-thirds of the 2008 north-south line to be fairly continuously anomalous in copper with values ranging from 160 to 2340 ppb Cu. The 2010 grid, however, does not appear to be anomalous in copper.

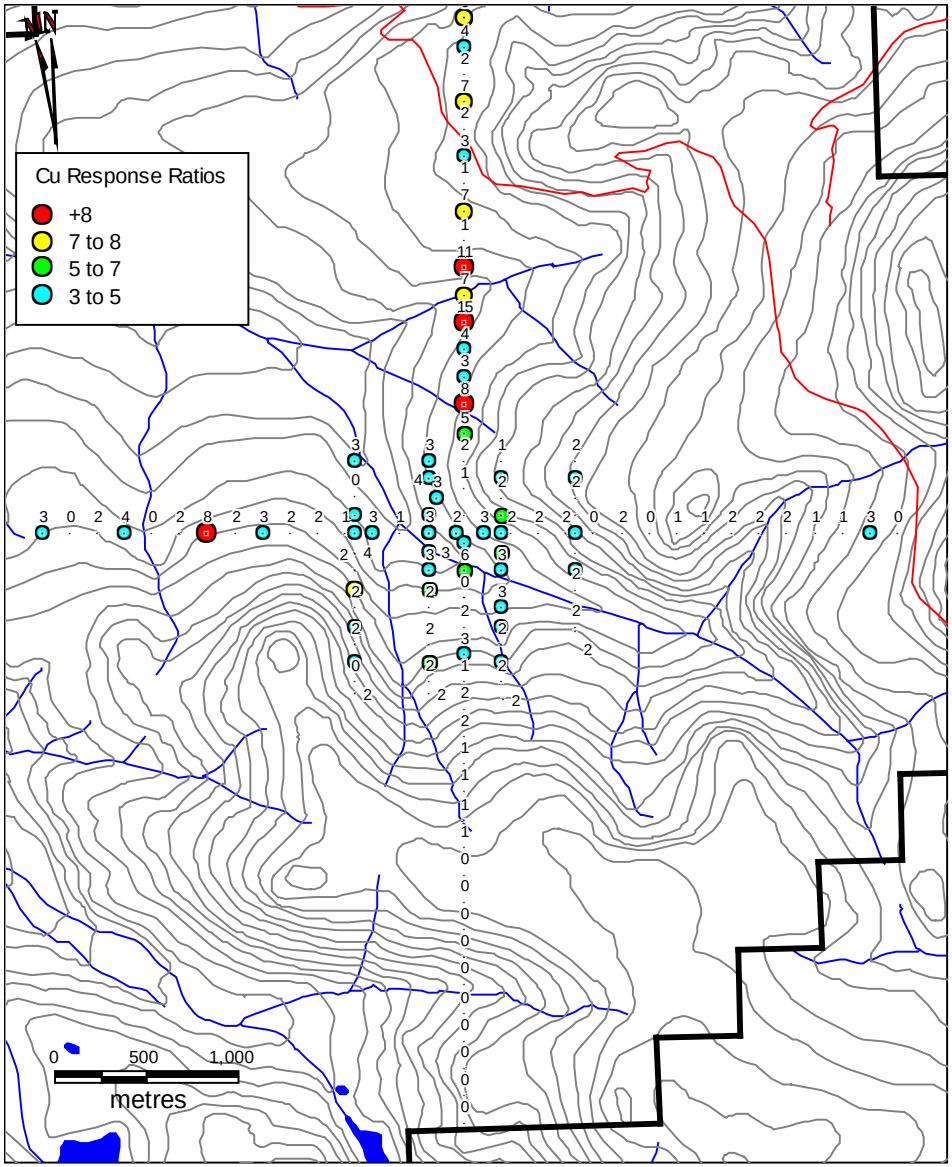
Molybdenum – The molybdenum plot (Figure 6b) shows some scatter but suggests the north-central section of the grid area is weakly to moderately anomalous in molybdenum with values ranging from 5 to 520 ppb Mo.

Silver – The silver plot (Figure 6c) shows the northern half of the 2008 north-south line is continuously anomalous in silver, and also shows the northern and west-central parts of the 2010 grid is anomalous in silver with anomalous values ranging from 7 to 65 ppb Ag.

Gold – The gold plot (Figure 6d) shows considerable scatter, with one small cluster anomaly near the northern end of the 2008 north-south line which returned 4.7 ppb Au.

Lead – The lead plot (Figure 6e) shows the southwestern portion of the grid to be anomalous in lead, however, these anomalies do not correlate with any of the other elements tested. The anomalous values range from 170 to 300 ppb Pb.

Zinc – The zinc plot (Figure 6f) shows a considerable number of anomalous values throughout the centre of the grid with anomalous values ranging from 120 to 360 ppb Zn.

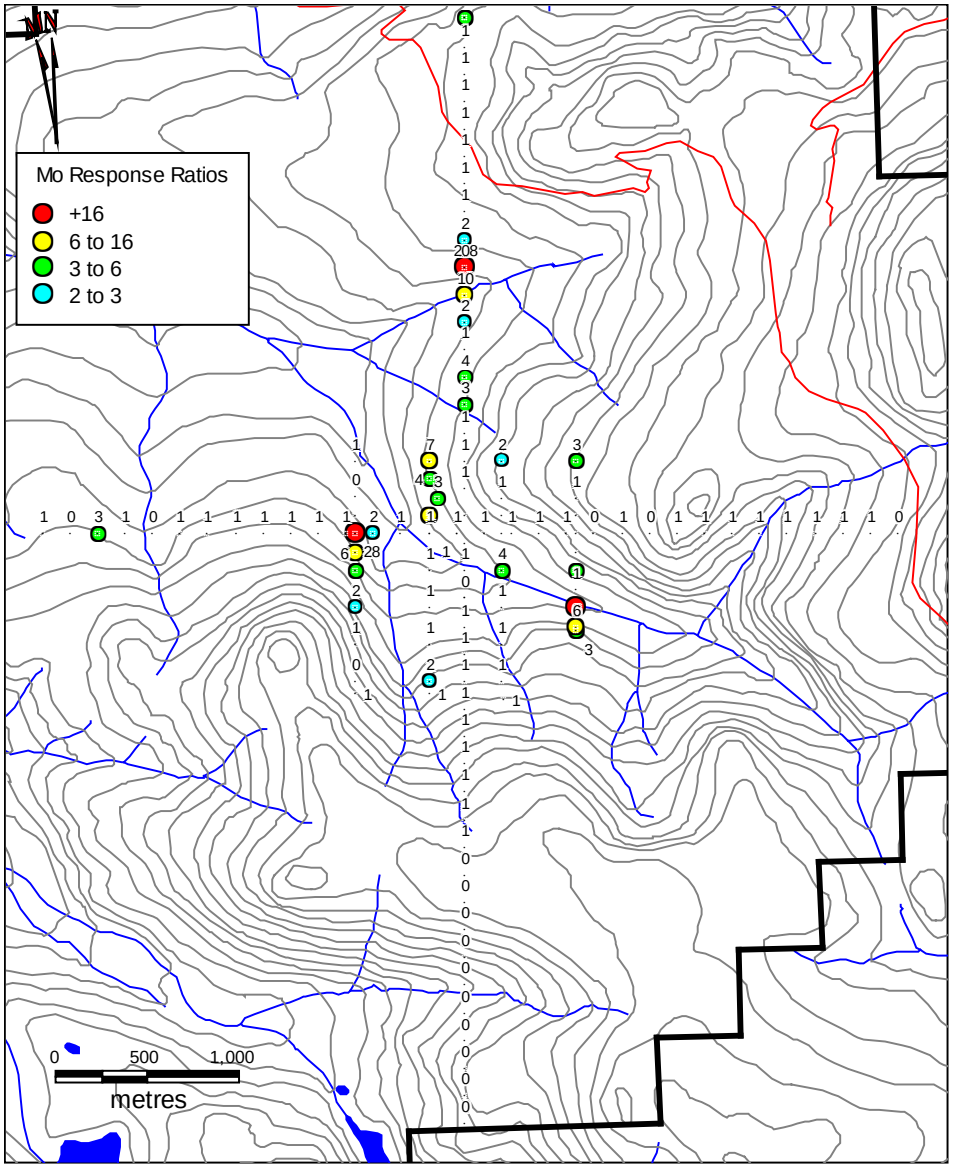


Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Cu

Figure 7a

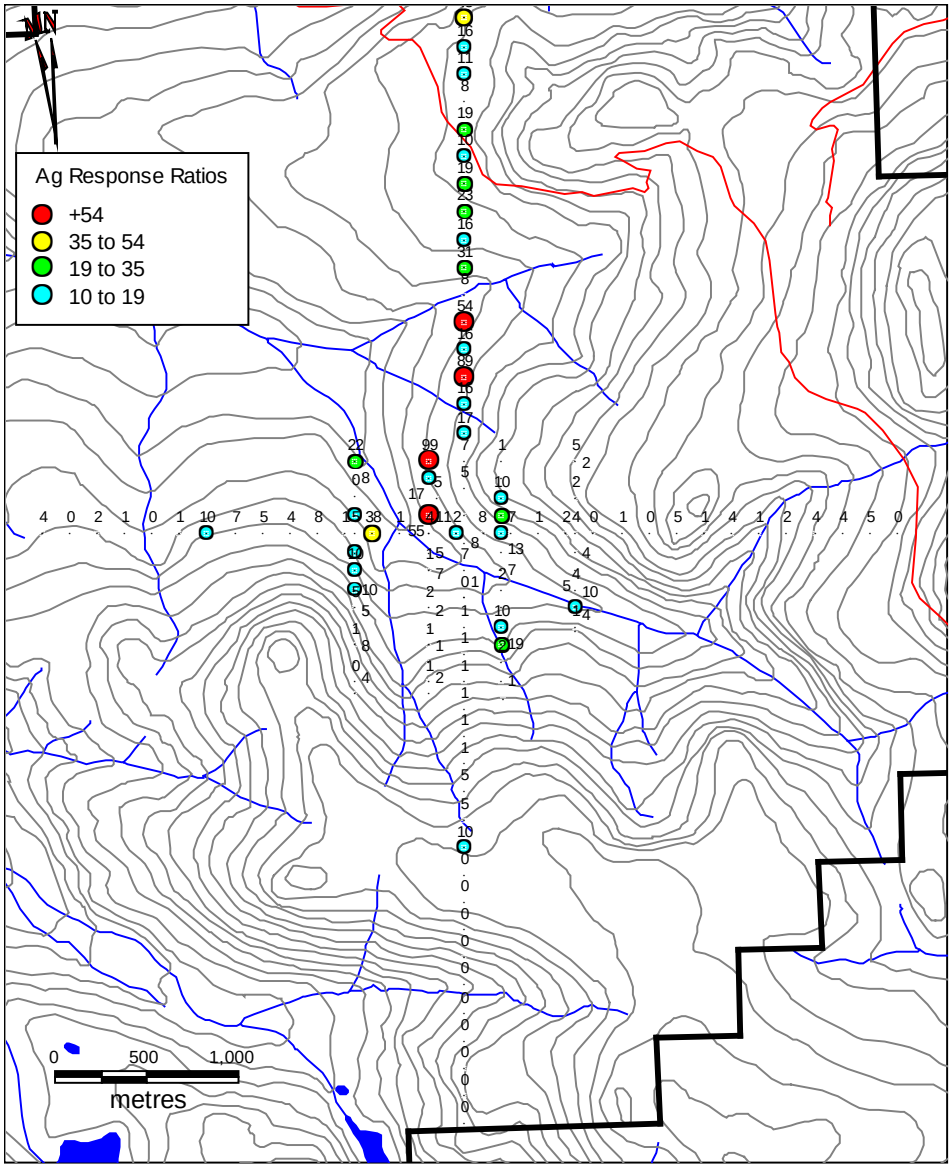


Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Mo

Figure 7b

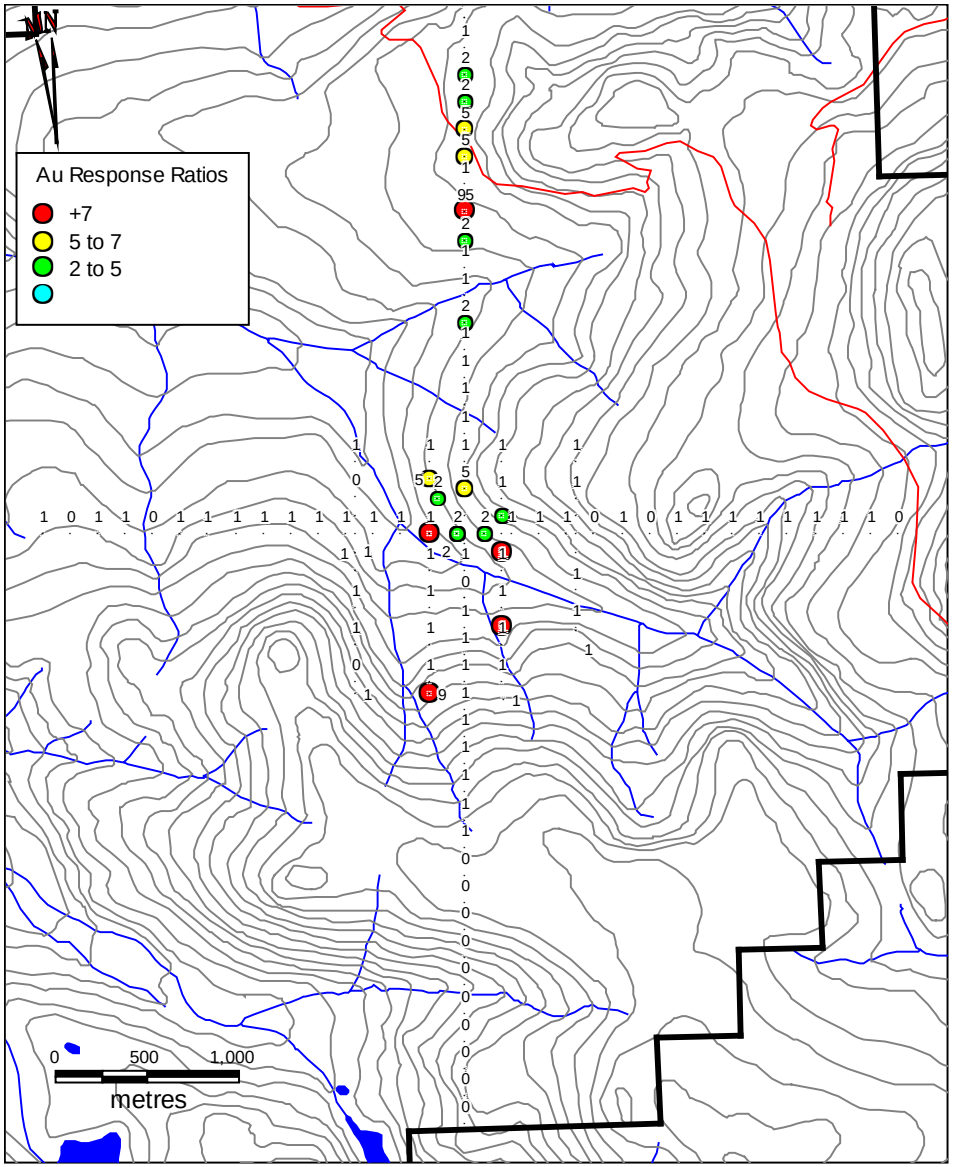


Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Ag

Figure 7c

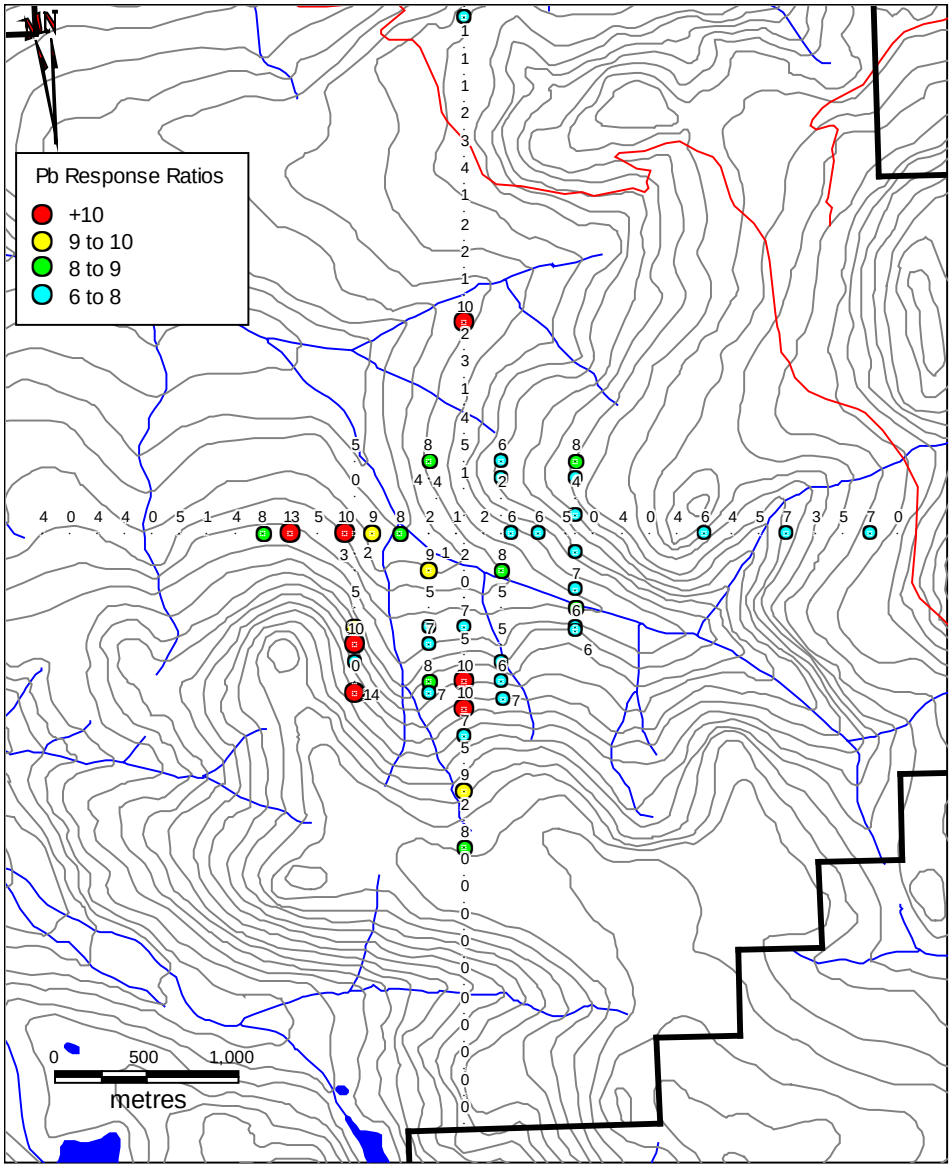


Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Au

Figure 7d

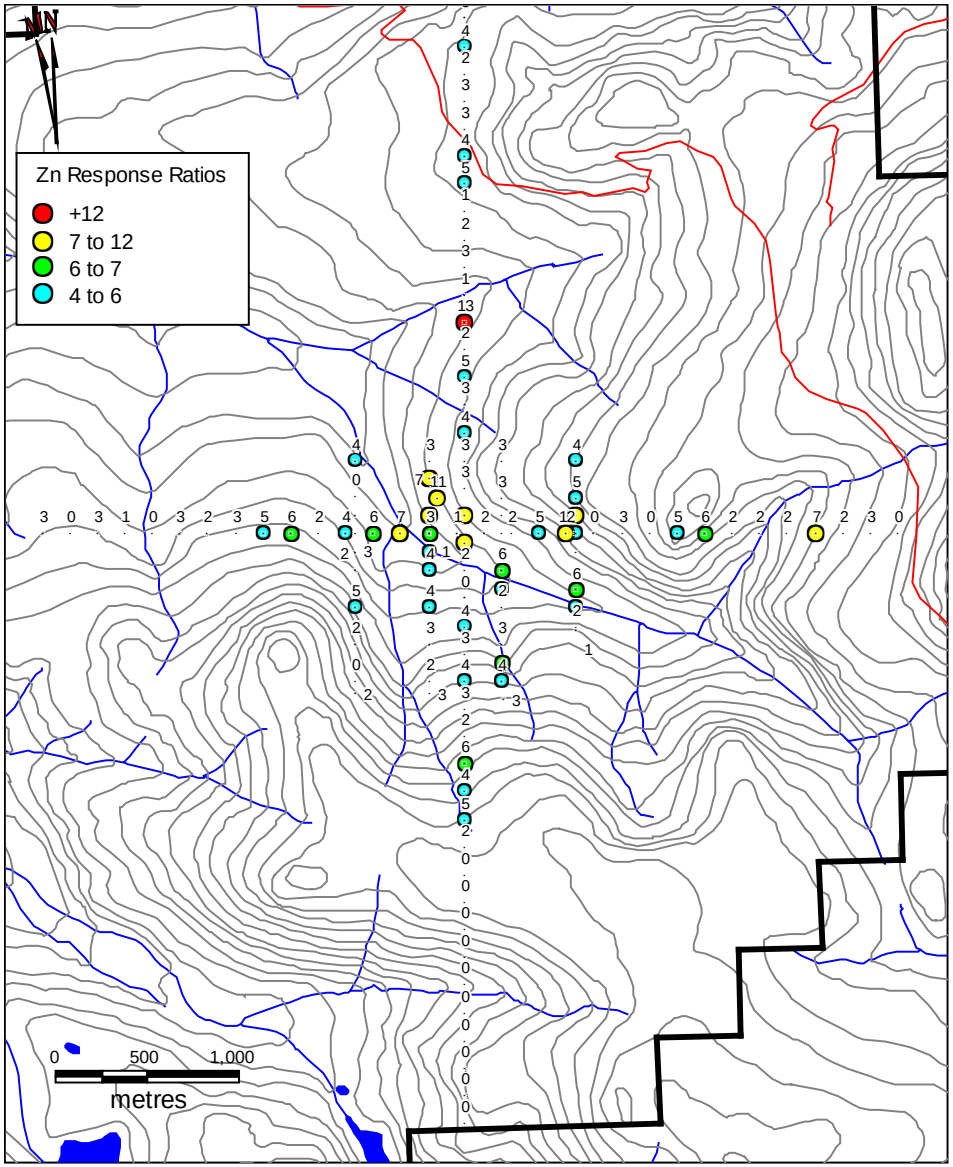


Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Pb

Figure 7e



Projection UTM NAD 83 Zone 10

PLACER MOUNTAIN PROJECT

Response Ratios ppb Zn

Figure 7f

The MMI Technology manual strongly recommends that Response Ratios be calculated for each element to facilitate interpretation. Response ratios were calculated and plotted for each of the 6 elements: Cu, Mo, Ag, Au, Pb and Zn (Figures 7a through 7f). Response ratios are calculated for each individual element as follows:

- the lowest 25% of the data for all samples in the survey area is determined
- all values less than the detection limit are included and a values of ½ the detection limit is assigned
- the average of the lowest quartile (25%) is calculated to determine the background value
- the response ratio is then calculated by dividing each sample value by the background value for that element. The numbers are then rounded to give whole numbers greater than or equal to 1
- samples with response ratios of 2 or less are considered background, while samples with response ratios greater than 5 are considered anomalous.

Table 2: Geochemical Statistics for ppb data and Response Ratio data

Percentile	Ag ppb	Au ppb	Cu ppb	Mo ppb	Pb ppb	Zn ppb		Ag RR	Au RR	Cu RR	Mo RR	Pb RR	Zn RR
25th	1	<0.1	220	<5	40	40		1	1	1	1	1	2
50th	3	<0.1	290	<5	100	70		4	1	2	1	4	3
75th	6	<0.1	470	<5	140	115		10	1	3	1	6	4
90th	12	0.1	830	8	170	170		19	2	5	3	8	6
95th	27	0.2	1020	14	210	205		35	5	7	6	10	7
98th	36	0.3	1222	52	220	338		54	7	8	16	10	12
Maximum	65	4.7	2340	520	300	740		99	95	15	208	14	26

The benefits behind response ratios as the main interpretive method for analyzing MMI data is summarized below:

- Reduce the effects of dissolution variables during extraction, for example time and temperature;
- Allow the splicing of different data batches or data from varying regolith situations;
- Reduce the effects of sampling in different regolith units; and
- Facilitate multi-element data presentations for interpretation.

Bubble plots were completed for response ratios for copper, molybdenum, silver, gold, lead, and zinc (Figure 7a through 7g) utilizing the 90th, 95th and 98th percentiles (Table 2).

Copper – The copper response ratio plot (Figure 7a) shows the northern half of the 2008 north-south line and the northern part of the 2010 grid to be fairly anomalous in copper with anomalous response ratios ranging from 3 to 15 ppb.

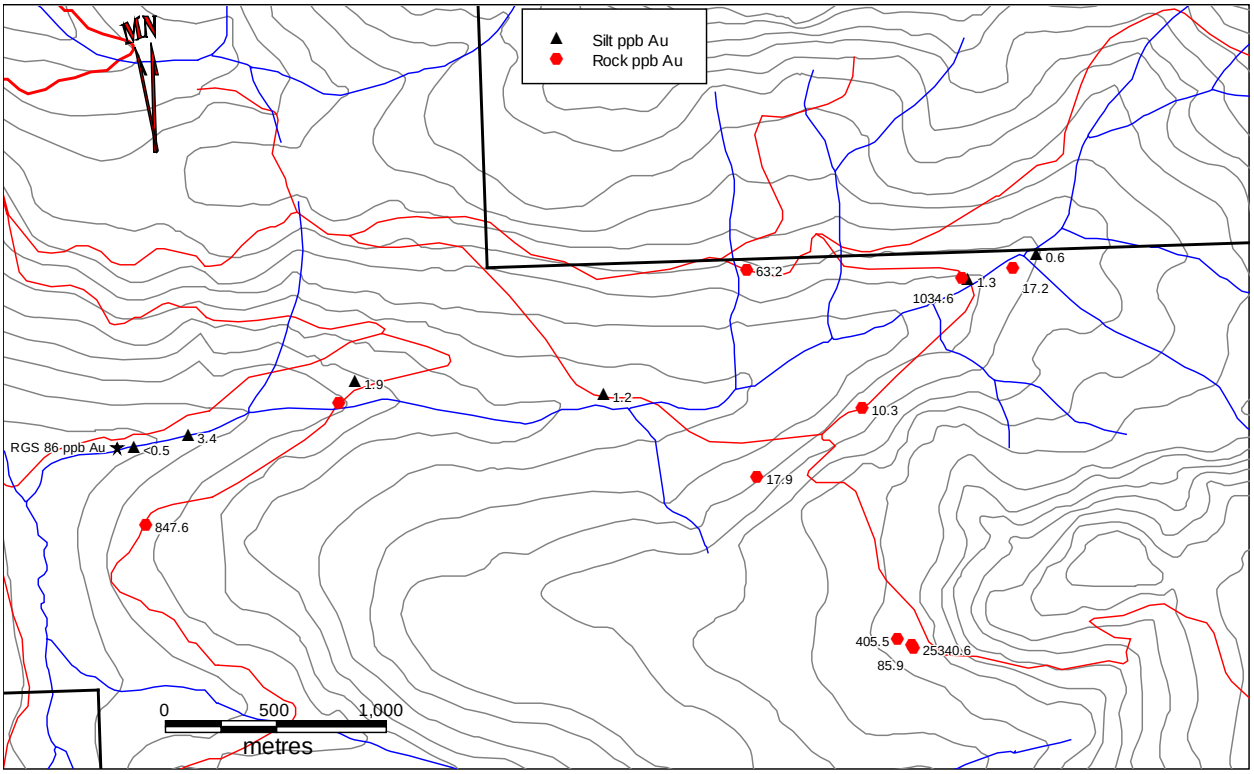
Molybdenum – The molybdenum response ratio plot (Figure 7b) shows some scatter but suggests the north-central section of the property is weakly to moderately anomalous in molybdenum with response ratios ranging from 2 to 208 ppb.

Silver – The silver response ratio plot (Figure 7c) shows the northern half of the 2008 north-south line is continuously anomalous in silver, and also shows the northern part of the 2010 grid is anomalous in silver with Ag response ratios ranging from 10 to 99 ppb .

Gold – The gold response ratio plot (Figure 7d) shows two anomalous areas on the grids: the cluster anomaly near the northern end of the 2008 north-south line, and a small cluster anomaly within the centre of the 2010 grid. Au response ratios range from 2 to 95 ppb. The spot high Mo response ratio (208 ppb) and spot high Au response ratio (95 ppb) are adjacent stations on the 2008 north-south line.

Lead – The lead response ratio plot (Figure 7e) shows the southwestern portion of the grid to be anomalous in lead which does not correlate with any of the other elements tested. Pb response ratios range from 6 to 13 ppb .

Zinc – The zinc response ratio plot (Figure 7f) shows a considerable number of anomalous values through the centre of the grid with response ratios ranging from 4 to 13 ppb .



UTM NAD 83 Zone 10

PLACER MOUNTAIN PROPERTY
Prospecting Samples
Figure 8

The 2010 prospecting program was concentrated along the southwest to westerly flowing northern tributary drainage to Placer Creek, which drains the northern portion of the claim block, with the objective of following up on a RGS gold value of 86 ppb Au (Figure 8).

A series of stream sediment samples were collected at selected intervals along the main creek, and from tributary channels, in the direction of the headwaters of the drainage. Prospecting and lithogeochemical sampling was also conducted within and proximal to this creek gully and along several active and inactive logging roads in an effort to locate the source of the anomalous gold-in-stream silt value. A total of 4 silt samples, 4 soil samples and 10 rock samples were collected with anomalous samples detailed in Table 3 and shown on Figure 8.

Table 3: 2010 Prospecting Samples

sample no.	Z83_10_E	Z83_Z10_N	elevation	type	sample	description	gpt Au	ppb Au
PM10-01	681889	5449130	1325 m	silt		active 1.5m		<0.5
PM10-02	682136	5449180	1330 m	silt		active 2.0m		3.4
PM10-03	682889	5449428	1357 m	silt		active 2.5m		1.9
PM10-04	684019	5449369	1402 m	silt		active 1.5m		1.2
PM10-06	685978	5450000	1528 m	silt		active <1m		0.6
PM10-08	685666	5449888	1502 m	silt		active 1.5m		1.3
PM10-R01	681941	5448773	1398 m	rock	select	shear		847.6
PM10-R02	682816	5449332	1367 m	rock	select	volcanic		6.1
PM10-R04	685872	5449942	1520 m	rock	float	vein quartz		17.2
PM10-R05	684669	5449938	1521 m	rock	select	vein quartz		63.2
PM10-R06	685638	5449899	1503 m	rock	float	vein quartz	1	1034.6
PM10-R07	685420	5448219	1678 m	rock	float	vein quartz	21	25340.6
PM10-R08	685413	5448230	1672 m	rock	float	vein quartz		85.9
PM10-R09	685346	5448260	1665 m	rock	float	vein quartz		405.5
PM10-R10	684714	5448997	1554 m	rock	float	vein quartz		17.9
PM10-R11	685189	5449303	1545 m	rock	float	vein quartz		10.3

Prospecting was successful in locating anomalous gold bearing vein quartz float upstream, in this northern tributary drainage, and along some of the inactive logging roads in the northern portion of claim block within 1.7 kilometres of the northern boundary. Ten float and grab samples from outcrop were taken returning values from 10.3 ppb to 25340.6 ppb Au; sample PM10-R07 was fire assayed and returned a value of 21 gpt Au.

DRILLING

There is no record of diamond drilling on the Placer Mountain property.

SAMPLING METHOD AND APPROACH

The 2010 sampling program on the Placer Mountain Property consisted of MMI soil geochemistry and preliminary rock, soil and stream silt sampling.

The 2010 MMI soil sampling program involved the collection of 50 soil samples along four 1300 metre long, north-south, GPS oriented, flagged soil lines spaced at 400 metre intervals. Samples were collected at 100 metre intervals at a consistent depth of 10 to 25 centimetres below the organic / inorganic (or true soil) interface. Each sample, weighing a minimum of 250 grams, was placed in a 170 by 220 millimetre snap seal (Ziploc) bag. Sequentially numbered assay tickets were placed in correspondingly number-coded bags. Sample locations were marked as a waypoint corresponding to a station UTM coordinate, and these were stored in the memory of a Garmin GPSmap 60CSx unit. The waypoints, UTM coordinates and assay ticket numbers were also recorded in a field notebook at the corresponding sample location as back-up. Details on sample depth, soil colour and proximal rock outcrop were also recorded in the field notes. Sample locations were flagged with fluorescent orange and blue ribbon marked with the UTM coordinates for that station. The GPS data was downloaded daily into an Excel spreadsheet which also documented sample numbers, soil colour and proximal outcrop information.

Stream sediment samples of approximately one kilogram weight, containing minimum organic matter, were collected from the finest silt or sand material available in the active channel.Sediment samples were placed in number-coded 10cm x 25cm, gussoted Kraft paper bags and sample locations were marked in the field with pink flagging and correspondingly number-coded Tyvek tags. Station waypoints, UTM coordinates and sample details were also recorded in a field notebook at the corresponding sample location as back-up

Select rock grab from outcrop and float samples, weighing 1-3 kilograms per sample, were collected along road cuts and within or proximal to drainage gullies, and were placed in number-coded plastic poly sample bags. Included in each bag was a correspondingly number-coded strip of coloured ribbon. Float samples comprised chip fragments obtained from one or more cobbles or boulders in a single area, or formed a composite of chips from several cobbles from an area of a few square meters. Sample locations in the field were marked with pink flagging and sample number-coded Tyvek tags. UTM coordinates were determined for all sample locations using a handheld Garmen GPS instrument. Station waypoints, UTM coordinates and brief descriptions of the rock sample and source outcrop were also recorded in a field notebook at the corresponding sample site as back-up.

The author is not aware of any sampling factors that could materially impact the accuracy and reliability of the MMI soil sample, stream sediment or rock sample results. At this preliminary stage of the exploration program, an MMI sample spacing of 100 metres is more than adequate for a porphyry Cu-Mo target. There is no chance of bias as the sample medium is soil collected at regular intervals along sample lines. Rock samples, consisting of grab samples from existing outcrops and float samples, are considered representative. Stream sediment sampling consisted of obtaining samples from select locations along active drainages and is also considered representative.

Bedrock mineralization has not yet been encountered on the Placer Mountain Property. This was a preliminary exploration program focused on locating soil geochemical anomalies and stream sediment anomalies for follow up. Rock types sampled include andesitic volcanics and vein quartz float which returned analytical values ranging from 10.3 to 25340.6 ppb Au with three values in excess of 400 ppb Au and two of these returning values in excess of 1 gpt Au.

SAMPLE PREPARATION, ANALYSIS AND SECURITY

MMI soil sampling was completed by Gary Wesa and Evan Henneberry who were employed as independent contractors by Mammoth Geological Ltd. under the supervision of R. Tim Henneberry, P.Geo. Stream silt and lithogeochem sampling was completed by Gary Wesa and Ed Balon, P.Geo., who were employed also as independent contractors by Mammoth Geological Ltd. under the supervision of R. Tim Henneberry, P.Geo.

All MMI soil samples were packaged and delivered to the local bus depot for shipment to SGS Minerals in Toronto, Ontario by Mr. Wesa. Stream sediment and rock samples were delivered by Mr. Wesa and Mr. Balon directly to ACME Analytical Laboratories in Vancouver, B.C.

The MMI Process uses leachant solutions which have been specially developed to selectively 'release' the adsorbed ions from the soil material. The aim of the selective leaching is to remove metals which are loosely bound on the surface of particles within existing soil profiles, without attacking or influencing the natural mineralization of the soil or specific substrates. Using sensitive ICPMS instrumentation, the MMI Process is able to detect Mobile Metal Ions in digest solutions at sub-parts per billion level. SGS Mineral Services in Toronto, Ontario is the only Canadian lab licensed to undertake Mobile Metal Ion Analysis. SGS Mineral Services is ISO/IEC 17025:2005 certified by the Standards Council of Canada.

The stream sediment sample preparation involves drying at up to 60°C and sieving up to 100 grams from each sample to -80 mesh. Depending on the amount of -80 mesh material obtained, a 7.5, 15 or 30 gram subsample was cut and then leached with 90ml or 180ml of 2-2-2 HCI-HN03-H20 solution at 95°C for one hour, followed by dilution to 300ml or 600ml and 36 element ICP-MS analysis. The rock sample preparation involves crushing to the point where 70% passes 10 mesh followed by pulverizing a 250gm split to 95% passing 150 mesh. A 30gm subsample of each was then digested and analyzed as above. Acme Labs has an ISO 9001:2000 certification from the International Standards Organization.

Although the MMI analysis is not a complete digestion, Mammoth Geological Ltd. submitted CDN Resource Labs Ltd. standards CM-5 and CGS-15 at regular intervals throughout the soil sample stream. Standard CM-5 registers 294 ppb Au $\pm$ 46 ppb (or 248 to 340 ppb Au), 0.319% Cu $\pm$ 0.02% (or 3170 to 3210 ppm Cu) and 0.050% Mo $\pm$ 0.005% (or 495 to 505 ppm Mo). Standard CGS-15 registers 570 ppb Au $\pm$ 60 ppb (or 510 to 630 ppb Au) and 0.451% Cu $\pm$ 0.02% (or 4310 to 4710 ppm Cu). A total of five analyses of this standard were completed by SGS Mineral Services. As expected, the results of the standard analyses were nowhere near the limits.

SGS Mineral Services completed six duplicate samples where they obtained two samples from the same soil sample pulp. The results are shown in Table 4. The duplicate samples performed generally quite well, as did their blanks. Background information on the ranges of the two SGS Mineral Services standards was not provided so a comment cannot be made on these standards.

Table 4a: Placer Mountain SGS Duplicate and Standard Samples

Sample	ppb Ag	ppb Au	ppb Cu	ppb Mo	ppb Pb	ppb Zn
18634	2	<0.1	760	<5	180	40
18643	6	<0.1	310	6	70	70
18661	11	0.2	560	10	70	200
18669	8	<0.1	520	<5	20	50
18684	3	<0.1	290	6	160	100
18689	2	<0.1	280	<5	120	80

Duplicate	ppb Ag	ppb Au	ppb Cu	ppb Mo	ppb Pb	ppb Zn
18634	2	<0.1	630	<5	180	50
18643	6	<0.1	310	<5	70	70
18661	11	0.2	470	9	70	210
18669	7	<0.1	490	<5	20	60
18684	3	<0.1	250	5	160	100
18689	2	<0.1	310	<5	100	60

Standard	ppb Ag	ppb Au	ppb Cu	ppb Mo	ppb Pb	ppb Zn
MMISRM16	20	26.1	640	55	60	240
AMIS0169	9	0.9	4720	<5	120	260

Blank	ppb Ag	ppb Au	ppb Cu	ppb Mo	ppb Pb	ppb Zn
Blank	<1	<0.1	<10	<5	<10	<20
Blank	<1	<0.1	<10	<5	<10	<20

Acme Analytical Laboratories completed three duplicate samples. Regarding rock samples, they completed both a pulp duplicate plus a resplit from the coarse reject; for silt samples they completed a pulp duplicate (Table 4). The duplicate samples performed generally quite well, as did their blanks and standards. Background information on the ranges of the two SGS Mineral Services standards was not provided, therefore, a comment cannot be made on these standards.

Table 4b: Placer Mountain Acme Duplicate and Standard Samples

Sample	**ppm Ag**	**ppb Au**	**ppm Cu**	**ppm Mo**	**ppm Pb**	**ppm Zn**
PM10-R18	1.2	25.3	130.5	3.3	32	35
PM10-09	0.4	5.5	42.0	2.2	5.9	315

Duplicate	**ppm Ag**	**ppb Au**	**ppm Cu**	**ppm Mo**	**ppm Pb**	**ppm Zn**
PM10-R18	1.2	32.2	124.2	3.2	30.3	37
PM10-R18	1.2	23.8	126.4	3.0	30.7	38
PM10-09	0.4	5.9	38.9	2.0	5.5	301

Standard	**ppm Ag**	**ppb Au**	**ppm Cu**	**ppm Mo**	**ppm Pb**	**ppm Zn**
STD DS7	1	65.7	114.9	19.9	67.7	396
STD DS7	1	64.1	114.7	20.9	69.9	400
STD DS7	1	71.4	113.2	21.8	70.3	411
STD DS7	1	92.3	116.1	22.5	71.6	443
STD DS7	1	68.0	98.9	20.6	61.0	392

Blank	**ppm Ag**	**ppb Au**	**ppm Cu**	**ppm Mo**	**ppm Pb**	**ppm Zn**
Blank	<0.1	<0.5	<0.1	<0.1	<0.1	<1
Blank	<0.1	<0.5	<0.1	<0.1	<0.1	<1
Blank	<0.1	<0.5	<0.1	<0.1	<0.1	<1

The authors believe that 100 metre sample spacing along the grid lines was adequate for this phase of the Placer Mountain exploration program. There are no issues regarding sample security, and sample preparation and analytical procedures were also deemed adequate for this program.

DATA VERIFICATION

The 2010 follow-up MMI soil sampling survey is a preliminary exploration program. Quality control measures for preliminary MMI soil sampling generally consist of in-house lab duplicates and standards, supplemented by client standards inserted into the sample stream. The duplicates and standards allow the authors to have confidence in the assay data.

The MMI soil, stream silt and rock sampling was completed by, or under the supervision of, Mr. Wesa. While Mr. Wesa is not a Qualified Person under NI43-101, he has close to 40 years of exploration experience and is more than qualified to undertake soil sampling, prospecting and rock sampling surveys. The authors feel no further verification of his work is required.

After reviewing the exploration program and assay results, the authors feel they have adequately verified the data.

ADJACENT PROPERTIES

This report is not relying on information from adjacent properties.

MINERAL PROCESSING AND METALLURGICAL TESTING

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

MINERAL RESOURCES AND MINERAL RESERVE ESTIMATES

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

OTHER RELEVANT DATA AND INFORMATION

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

INTERPRETATION AND CONCLUSIONS

The Placer Mountain property is situated within an area of high geological potential in the Princeton area. The claims cover the suspected western contact between a large Jurassic to Cretaceous granodiorite batholith and Triassic Nicola Group volcanics and metamorphics. The contact is masked by Eocene Princeton Group andesites necessitating the use of MMI soil geochemistry to attempt to detect Mobile Metal Ions beneath the andesiteic strata.

The two year soil geochemical program on the Placer Mountain block consisted of reconnaissance MMI lines in 2008 and a limited 1200 metre wide by 1300 metre long soil grid in 2010. The results to date suggest that the northern and central portion of the grid is moderately anomalous in copper, molybdenum, gold and silver and requires methodical, detailed prospecting to verify the anomaly.

Stream sediment sampling and prospecting, along the north fork of Placer Creek in the northern portion of the Placer Mountain block, was successful in following up the 86 ppb Au-in-stream silt Regional Geochemical Sample and resulted in the discovery of vein quartz float which returned a maximum lithogeochemical analytical value of 21 gpt Au. This target area warrants follow-up work with further prospecting and establishment of a conventional soil geochemistry grid to locate the bedrock source of vein quartz float boulders.

RECOMMENDATIONS

Follow-up exploration on the Placer Mountain Property is strongly warranted with the focus on the northern portion of the property to evaluate a Ag, Au, Cu and Mo MMI soil anomaly and coincident auriferous-bearing quartz vein float. Additional prospecting and conventional soil geochemistry is required to locate the bedrock source of quartz float material. It is recommended that the target area be covered by a soil grid measuring 1500 metres wide by 2500 metres long with preliminary sample spacings of 50 metres along 100 metre spaced lines, resulting in the collection of 800 soil samples. Ten days of prospecting, and twenty-seven days of soil sampling, based on two, two-man crews, is recommended at a proposed budget estimated at $150,000.

Table 5. Placer Mountain 2011 Budget

	Contract geologist	37	days	@	$ 600	/day	$ 22,200
	Contract geologist	37	days	@	$ 600	/day	$ 22,200
	Assistant geologist	27	days	@	$ 400	/day	$ 10,800
	Assistant geologist	27	days	@	$ 400	/day	$ 10,800
	Room & Board	128	days	@	$ 125	/day	$ 16,000
	Vehicle + Fuel	64	days	@	$ 200	/day	$ 12,800
	Analysis - soil	800	sample	@	$ 35	/sample	$ 28,000
	Analysis - rock	100	sample	@	$ 35	/sample	$ 3,500
	Data verification	45	sample	@	$ 30	/sample	$ 1,350
	Sundries						$ 7,500
	Documentation						$ 7,500
	Contingency						$ 7,350
Total budget							**$ 150,000**

Total current expenditures on the Placer Mountain Property are $40,123.45, with $11,076.74 spent on the July 2008 MMI sampling program and $29,046.71 expended on the 2010 MMI and prospecting surveys.

www.em.gov.bc.ca/Mining/Geolsurv/Minfile/default.htm. The British Columbia Ministry of Energy and Mines Minfile website provided a geological summary on the 092HSE map sheet.

www.em.gov.bc.ca/Mining/Geolsurv/MapPlace/default.htm. The British Columbia Ministry of Energy and Mines MapPlace website provided the regional geological map and legend.

MMI Manual for Mobile Metal Ion Geochemical Soil Surveys. Version 5.04. Wamtech Pty. Ltd. 2004. Found at www.mmigeochem.com.

Butrenchuk, S.B., Henneberry, R.T. and Wesa, G.L. (2009). 2009 Geological Report Placer Creek Project. BC Ministry of Energy, Mines and Petroleum Resources Assessment Report 31491.

Henneberry, R.T. (2008b). Geological Report Placer Creek Project. BC Ministry of Energy, Mines and Petroleum Resources Assessment Report 30652.

Henneberry, R.T. (2008). Geological Report Placer Mountain Project. BC Ministry of Energy, Mines and Petroleum Resources Assessment Report 30654.

Henneberry, R.T. and Wesa, G.L. (2010). 2010 Geochemical Report Placer Creek Project. BC Ministry of Energy, Mines and Petroleum Resources Assessment Report .

Panteleyev, A. (1995): Porphyry Cu+/-Mo+/-Au, in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallics and Coal, Lefebure, D.V. and Ray, G.E., Editors, British Columbia Ministry of Energy of Employment and Investment, Open File 1995-20, pages 87-92.

Tribe, N.L. (2007). Geological Mapping Report on the Ash Mineral Claim. British Columbia Ministry of Energy, Mines and Petroleum Resources Assessment Report 29314.

2010 STATEMENT OF COSTS

	Dates Worked
Evan Henneberry	Aug 10,11,12,13,14,15,16,17
Gary Wesa	Aug 10,11,12,13,14,15,16,17,21,22,23,24,28,29
Ed Balon	Aug 21,22,23,24

Field Crew								
	Evan Henneberry	8	days	@	$ 400	/day	$	3,200.00
	Gary Wesa	14	days	@	$ 500	/day	$	7,000.00
	Ed Balon	4	days	@	$ 500	/day	$	2,000.00
Supervision								
	Tim Henneberry	4	hours	@	$ 100	/hour	$	400.00
Documentation								
	Tim Henneberry	20	hours	@	$ 100	/hour	$	2,000.00
Total Services							$	14,600.00
	HST on Services						$	1,752.00
Expenses							$	8,847.08
	Motel					$ 1,694.00		
	Meals					$ 1,116.67		
	Supplies					$ 197.78		
	Vehicle rental					$ 2,138.38		
	ATV Rental					$ 2,420.00		
	Fuel					$ 306.46		
	Sample shipment					$ 59.25		
	HST					$ 914.55		
Analysis							$	3,847.62
	SGS - TO111598					$ 2,925.05		
	Acme - VANI058918					$ 100.97		
	Acme - VANI059265					$ 328.35		
	Acme - VANI059730					$ 143.47		
	Service (10%)					$ 349.78		
Total Expenditures							**$**	**29,046.71**

CERTIFICATE FOR R. TIMOTHY HENNEBERRY

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

Mr. Sydney Wilson
4766 West 4th Avenue
Vancouver, B.C. V6T 1C2

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 30 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:

- 30 years of exploration experience for base and precious metals in the Canadian Cordillera

I am responsible for the preparation of the technical report titled "2010 Geochemical Report, Placer Mountain Project" and dated December 31, 2010 relating to the Placer Mountain property. I supervised and directed the exploration programs described in this report on behalf of Mr. Sydney Wilson. I have not yet visited the Placer Mountain property.

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

As of December 31, 2010, 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 consent to the public filing of the Technical Report with the British Columbia Ministry of Energy and Mines in support of assessment work requirements.

I make this Technical Report effective December 31, 2010.

"signed and sealed"

_____

R.Tim Henneberry, P.Geo

STATEMENT OF QUALIFICATIONS FOR GARY L. WESA

I, Gary L. Wesa ,B.Sc.. of 309 – 6669 Telford Street, Burnaby, British Columbia, V5H 4A1 do hereby certify that:

I hold a Bachelor of Science degree in Geology from the University of Saskatchewan, awarded in 1974.

I am registered as a Fellow of the Geological Association of Canada and work professionally as a Geologist.

I have worked in the mineral exploration and mining industry for over 40 years in Canada, parts of the western United States, Brazil and British Guyana. Duties and responsibilities have included direct involvement in all phases of regional mineral exploration, base metal and precious metal property examinations and evaluations, regional and property scale mapping, and supervision of regional and property scale exploration programs and diamond drilling programs.

I supervised and completed the 2010 MMI soil program on the Placer Mountain Property with the assistance of Evan Henneberry between August 10 and August 17, 2010, and I supervised and completed the 2010 prospecting program on the Placer Mountain Property with the assistance of Ed Balon, P.Geo., between August 17 and August 29, 2010.

I have no interest, direct, indirect or contingent in the Placer Mountain claims nor do I expect to acquire any such interest in the future.

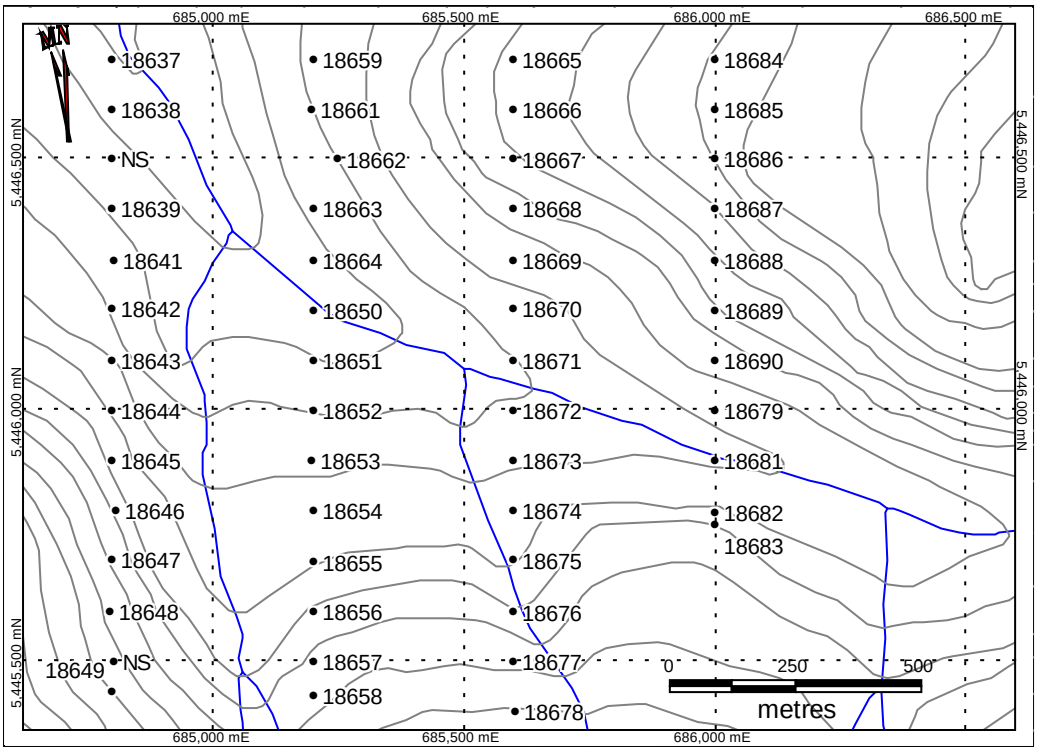
I am co-author in the preparation of this report titled "2010 Geochemical Report, Placer Mountain Project" dated December 31, 2010.

Dated this December 31, 2010.

"signed and sealed"

_____

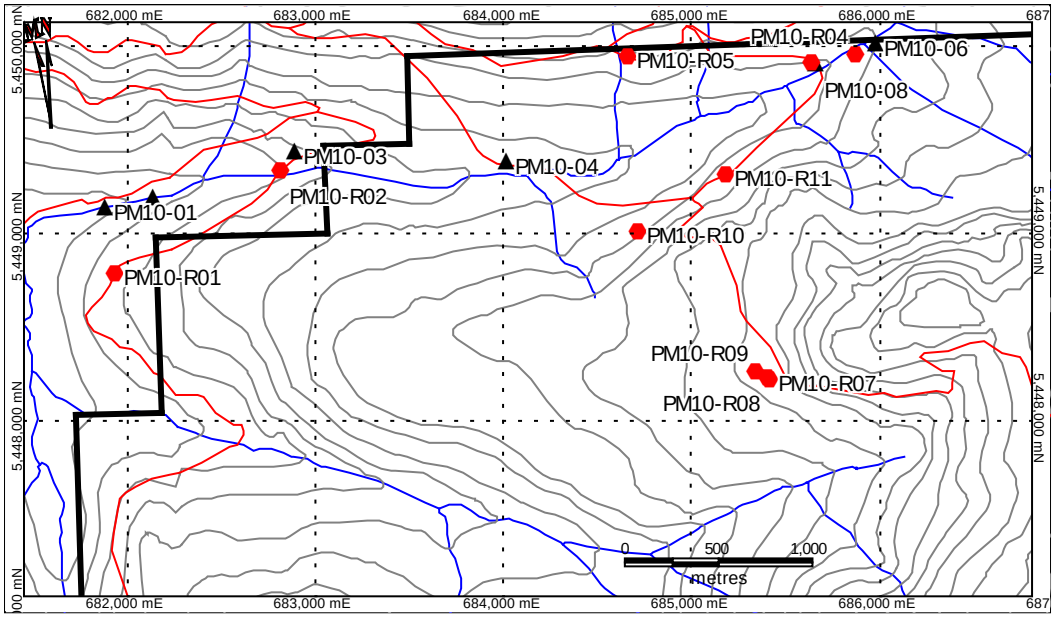
Gary L. Wesa, B.SC., F.G.A.C.



UTM NAD 83 Zone 10

2010 MMI Soil Sample Locations

Figure 9a



UTM NAD 83 Zone 10

2010 MMI Prospecting Sample Locations

Figure 9b

APPENDIX 1. MMI Soil Sample Locations (UTM NAD83 Zone 10)

Sample No.	83Z10E	83Z10N	Colour	Comments	Ag ppb	Ag RR	Au ppb	Au RR	Cu ppb	Cu RR	Mo ppb	Mo RR	Pb ppb	Pb RR	Zn ppb	Zn RR
18637	684800	5446700	lt brn	deep roots in soil	14	22	<0.1	1	350	3	<5	1	100	5	110	4
18638	684800	5446600	dk brn	deep roots in dark loam soil	5	8	<0.1	1	260	2	<5	1	20	1	<20	1
NS	684801	5446501		thick moss cover over boulders; dense roots												
18639	684800	5446401	brn	deep roots in soil	9	14	<0.1	1	540	4	<5	1	100	5	40	2
18641	684803	5446300	grey	hornblende andesite porphyry near surface	3	5	<0.1	1	590	4	69	28	30	2	70	3
18642	684800	5446201	brn		10	16	<0.1	1	270	2	13	6	60	3	40	2
18643	684800	5446100	brn	outcrop cliffs on very steep slope	6	10	<0.1	1	310	2	6	3	70	4	70	3
18644	684801	5446000	pale brn	steep slope with boulder talus	6	10	<0.1	1	980	7	<5	1	70	4	40	2
18645	684799	5445900	brn	boulder talus on steep slope	3	5	<0.1	1	220	2	5	2	110	5	130	5
18646	684806	5445800	brn	boulders in soil	3	5	<0.1	1	570	4	<5	1	190	9	30	2
18647	684801	5445701	brn	boulders in soil	<1	1	<0.1	1	240	2	<5	1	220	10	40	2
18648	684797	5445600	rusty-brn		5	8	<0.1	1	420	3	<5	1	130	6	40	2
NS	684802	5445500		thick moss and boulders												
18649	684800	5445437	grey	outcrop nearby on very steep slope	2	4	<0.1	1	210	2	<5	1	300	14	30	2
18650	685200	5446200	brn		3	5	<0.1	1	480	3	<5	1	30	2	110	4
18651	685200	5446100	rusty-brn		<1	1	<0.1	1	350	3	<5	1	190	9	90	4
18652	685200	5446000	grey-brn		4	7	<0.1	1	740	5	<5	1	10	1	20	1
18653	685199	5445900	tan-brn		1	2	<0.1	1	240	2	<5	1	110	5	90	4
18654	685201	5445800	brn		1	2	<0.1	1	270	2	<5	1	120	6	70	3
18655	685201	5445699	tan-bran	abundant boulder till	<1	1	<0.1	1	290	2	<5	1	150	7	60	3
18656	685201	5445600	tan-bran	deep roots at surface	<1	1	<0.1	1	920	6	<5	1	100	5	30	2
18657	685200	5445500	tan-bran	extreme deadfall on slopes	<1	1	<0.1	1	300	2	5	2	160	8	40	2
18658	685201	5445430	brn	extreme deadfall; broken subcrop near surface	1	2	0.4	9	280	2	<5	1	140	7	70	3
18659	685200	5446700	brn	broken subcrop near surface	65	99	<0.1	1	470	3	16	7	160	8	70	3
18661	685199	5446600	brn	broken subcrop and boulders near surface	11	17	0.2	5	560	4	10	4	70	4	200	7
18662	685248	5446500	lt brn	extreme deadfall on slopes	3	5	0.1	2	470	3	6	3	80	4	310	11
18663	685200	5446400	brn	extreme deadfall on slopes	36	55	<0.1	1	380	3	13	6	110	5	340	12
18664	685200	5446300	brn		3	5	0.3	7	580	4	<5	1	50	3	150	6
18665	685600	5446700	tan-brn		<1	1	<0.1	1	160	1	5	2	120	6	70	3
18666	685600	5446600	tan-brn	gravelly, pebbby soil	1	2	<0.1	1	370	3	<5	1	140	7	70	3
18667	685601	5446500	brn	pebbly soil	6	10	<0.1	1	220	2	<5	1	30	2	60	3
18668	685600	5446401	lt brn		13	20	0.1	2	790	5	<5	1	10	1	20	1
18669	685600	5446300	brn		8	13	<0.1	1	520	4	<5	1	20	1	50	2

18670	685600	5446201	brn	near edge of road bank	5	8	0.3	7	670	5	<5	1	<10	1	40	2
18671	685599	5446099	brn		4	7	<0.1	1	330	3	8	4	160	8	150	6
18672	685600	5446000	brn	very thick moss carpet	1	2	<0.1	1	190	2	<5	1	110	5	130	5
18673	685600	5445900	brn		<1	1	<0.1	1	330	3	<5	1	110	5	30	2
18674	685600	5445800	grey-brn		6	10	0.3	7	420	3	<5	1	<10	1	40	2
18675	685601	5445700	brn		12	19	<0.1	1	230	2	<5	1	100	5	60	3
18676	685599	5445600	brn		1	2	<0.1	1	370	3	<5	1	130	6	160	6
18677	685600	5445500	brn	large roots near surface	<1	1	<0.1	1	310	2	<5	1	130	6	90	4
18678	685604	5445400	brn		<1	1	<0.1	1	210	2	<5	1	140	7	70	3
18679	686000	5446000	brn	clearcut	2	4	<0.1	1	220	2	<5	1	150	7	160	6
18681	686000	5445900	rusty-brn	thick moss mat	6	10	<0.1	1	230	2	59	24	170	8	130	5
18682	686000	5445799	lt brn		<1	1	<0.1	1	230	2	14	6	130	6	50	2
18683	686000	5445774	brn	pebbly soil; steep slope; extreme deadfall	2	4	<0.1	1	270	2	6	3	120	6	20	1
18684	686001	5446700	brn	disturbed ground; clearcut	3	5	<0.1	1	290	2	6	3	160	8	100	4
18685	686000	5446600	brn	disturbed ground; clearcut	1	2	<0.1	1	330	3	<5	1	120	6	80	3
18686	686000	5446500	brn	deep roots near surface	1	2	<0.1	1	260	2	<5	1	80	4	140	5
18687	686000	5446400	lt brn	steep slope; boulders near surface	<1	1	<0.1	1	220	2	<5	1	150	7	740	26
18688	686000	5446300	brn	disturbed ground; clearcut	2	4	<0.1	1	330	3	<5	1	70	4	110	4
18689	686000	5446200	lt brn	steep slope; boulders near surface	2	4	<0.1	1	280	2	<5	1	120	6	80	3
18690	686000	5446100	brn	disturbed ground; clearcut	3	5	<0.1	1	420	3	7	3	40	2	60	3

APPENDIX 2. Stream Sediment and Rock Sample Locations (UTM NAD83 Zone 10)

Sample No	Type	Zone	Easting	Northing	Elevation	Description	gpt Au	ppb Au
PM10-01	Silt	10 U	681889	5449130	1325 m	partial moss matt; 1.5m channel, minor orgs; thick till cover		<0.5
PM10-02	Silt	10 U	682136	5449180	1330 m	active channel; 2m wide; lg bldrs in stream bed		3.4
PM10-03	Silt	10 U	682889	5449428	1357 m	active channel; 2.5-3m wide; lg bldrs in stream bed		1.9
PM10-04	Silt	10 U	684019	5449369	1402 m	active channel; 1.5-2m wide; andesitic fragmntl o/c nearby in roadbank		1.2
PM10-06	Silt	10 U	685978	5450000	1528 m	narrow trib; <1m wide; channel cutting organics in clearcut		0.6
PM10-08	Silt	10 U	685666	5449888	1502 m	active channel; 1.5-2m branching; qz float in channel; little bed load		1.3
PM10-R01	Rock	10 U	681941	5448773	1398 m	Composite select grab: shear zone cutting altered feldsp porphyry		847.6
PM10-R02	Rock	10 U	682816	5449332	1367 m	Select grab: rusty wthrd heterolithic volc fragmental/pyroclastic		6.1
PM10-R04	Rock	10 U	685872	5449942	1520 m	Float: white vein qz with sericite on partings; variably rust stained		17.2
PM10-R05	Rock	10 U	684669	5449938	1521 m	Select float grab: rust stained vn qz with sparse dissem, blebs py		63.2
PM10-R06	Rock	10 U	685638	5449899	1503 m	Float: white qz; Fe- & Mn-ox stained; boxwork texture after py	1	1034.6
PM10-R07	Rock	10 U	685420	5448219	1678 m	Float: vn qz bldrs with f. dissem to crse gn py, vugs and cubic boxwork	21	25340.6
PM10-R08	Rock	10 U	685413	5448230	1672 m	Float: hematitic vn qz with thin hem stringers		85.9
PM10-R09	Rock	10 U	685346	5448260	1665 m	Float: qz bldrs; limonitic with boxwork texture		405.5
PM10-R10	Rock	10 U	684714	5448997	1554 m	Float: vn qz; Mn- and Fe-ox stained		17.9
PM10-R11	Rock	10 U	685189	5449303	1545 m	Float: vn qz chips with limonitic patches, boxwork texture		10.3

Certificate of Analysis

Work Order: TO111598

To: **Tim Henneberry**
COD SGS Minerals
C/O #50-655 West Kent Avenue N.
VANCOUVER
BC V6P 6T7

Date: Sep 10, 2010

P.O. No.	:	Mammoth Geological Ltd
Project No.	:	-
No. Of Samples	:	69
Date Submitted	:	Aug 25, 2010
Report Comprises	:	Pages 1 to 13 (Inclusive of Cover Sheet)

Distribution of unused material:
Return to client:

Certified By : _____
Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
18622	35	156	<10	<0.1	1180	<1	60	30	54	288
18623	15	132	<10	<0.1	2870	<1	210	10	154	84
18624	23	102	<10	<0.1	3330	<1	240	17	40	56
18625	7	124	<10	<0.1	1540	<1	70	7	41	20
18626	9	66	<10	<0.1	140	<1	<10	5	44	35
18627	11	196	<10	<0.1	1970	<1	30	10	155	54
18628	8	167	<10	<0.1	1520	<1	40	9	170	48
18629	3	184	<10	<0.1	4840	<1	20	7	139	39
18630	4	107	<10	<0.1	4110	<1	200	9	63	24
18631	9	93	<10	<0.1	2440	<1	380	21	53	18
18632	8	121	<10	<0.1	4880	<1	250	10	59	24
18633	1	157	<10	<0.1	1420	<1	60	8	66	67
18634	2	121	<10	<0.1	6510	<1	200	5	77	35
18635	6	165	<10	<0.1	1280	<1	50	11	91	42
18636	4	131	<10	<0.1	3970	<1	300	9	127	72
18637	14	149	<10	<0.1	2920	<1	210	4	173	70
18638	5	31	<10	<0.1	1380	<1	450	7	30	47
18639	9	77	<10	<0.1	4810	<1	330	1	180	30
18640	2	27	80	59.7	870	<1	120	54	7	104
18641	3	38	<10	<0.1	5730	<1	360	3	88	28
18642	10	84	<10	<0.1	10300	<1	530	4	165	54
18643	6	46	<10	<0.1	10500	<1	390	5	93	41
18644	6	21	<10	<0.1	10600	<1	670	2	69	64
18645	3	78	<10	<0.1	350	<1	110	7	37	33
18646	3	117	<10	<0.1	4510	<1	190	4	124	37
18647	<1	150	<10	<0.1	2840	<1	140	3	86	54
18648	5	110	<10	<0.1	8580	<1	300	3	167	35
18649	2	134	<10	<0.1	1930	<1	90	8	183	36
18650	3	68	<10	<0.1	2970	<1	350	4	42	32
18651	<1	247	<10	<0.1	6630	<1	150	4	200	82
18652	4	40	<10	<0.1	2830	<1	460	2	194	56
18653	1	35	<10	<0.1	1290	<1	20	4	5	29
18654	1	122	<10	<0.1	4000	<1	400	3	274	85
18655	<1	176	<10	<0.1	1170	<1	20	3	56	58
18656	<1	101	<10	<0.1	3880	<1	310	2	132	45
18657	<1	136	<10	<0.1	2520	<1	120	3	104	49
18658	1	136	<10	0.4	1290	<1	90	9	318	32
18659	65	115	<10	<0.1	3220	<1	320	9	89	42
18660	<1	29	70	98.9	490	<1	130	102	9	142
18661	11	96	10	0.2	2860	<1	290	10	538	573
18662	3	119	<10	0.1	2750	<1	330	3	57	74
18663	36	119	<10	<0.1	1150	<1	130	10	72	42
18664	3	79	<10	0.3	2980	<1	330	4	152	39

Element	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	1	10	0.1	10	1	10	1	5	5
Units	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
18665	<1	160	<10	<0.1	1340	<1	100	5	179	47
18666	1	120	<10	<0.1	6270	<1	220	6	116	20
18667	6	77	<10	<0.1	4050	<1	400	4	57	57
18668	13	18	<10	0.1	1990	<1	570	2	99	35
18669	8	37	<10	<0.1	2300	<1	430	3	71	17
18670	5	4	<10	0.3	1470	<1	500	3	10	70
18671	4	76	<10	<0.1	530	<1	30	7	73	43
18672	1	143	<10	<0.1	310	<1	<10	3	143	66
18673	<1	128	<10	<0.1	2370	<1	110	3	174	12
18674	6	23	<10	0.3	2060	<1	500	4	101	22
18675	12	135	<10	<0.1	640	<1	130	6	81	25
18676	1	>300	10	<0.1	2260	<1	50	3	217	101
18677	<1	176	<10	<0.1	1040	<1	60	6	153	59
18678	<1	162	<10	<0.1	470	<1	20	6	83	37
18679	2	134	<10	<0.1	830	<1	70	7	128	40
18680	3	27	80	60.5	820	<1	120	51	7	107
18681	6	206	<10	<0.1	1180	<1	30	7	72	40
18682	<1	213	<10	<0.1	1100	<1	40	4	65	95
18683	2	175	<10	<0.1	3040	<1	180	5	71	31
18684	3	112	<10	<0.1	7770	<1	300	4	69	24
18685	1	99	<10	<0.1	4830	<1	190	2	81	13
18686	1	91	<10	<0.1	7060	<1	350	4	209	51
18687	<1	152	<10	<0.1	7810	<1	370	6	140	64
18688	2	72	<10	<0.1	4450	<1	190	3	81	26
18689	2	117	<10	<0.1	7700	<1	280	5	177	36
18690	3	86	<10	<0.1	4920	<1	340	2	62	42
*Rep 18634	2	120	<10	<0.1	6380	<1	200	4	92	33
*Rep 18643	6	45	<10	<0.1	10400	<1	380	5	98	44
*Rep 18669	7	45	<10	<0.1	2200	<1	420	2	102	20
*Rep 18684	3	112	<10	<0.1	5470	<1	210	4	75	21
*Rep 18689	2	112	<10	<0.1	8360	<1	310	5	163	37
*Std MMISRM16	20	40	20	26.1	60	<1	200	4	12	60
*Std AMIS0169	9	67	20	0.9	660	<1	40	2	654	136
*Blk BLANK	<1	<1	<10	<0.1	<10	<1	<10	<1	<5	<5
*Blk BLANK	<1	<1	<10	<0.1	10	<1	<10	<1	<5	<5
*Rep 18661	11	90	<10	0.2	2610	<1	250	10	445	496

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
18622	<100	3.9	2310	40	20.6	7.3	90	8	36	<1
18623	<100	2.9	520	39	18.6	11.4	45	7	48	<1
18624	<100	2.4	690	48	23.4	11.9	33	4	58	<1
18625	<100	4.3	320	29	16.6	6.0	50	15	25	<1
18626	<100	6.7	250	10	5.2	3.4	21	57	13	<1
18627	<100	3.2	290	24	12.4	5.0	35	11	21	<1
18628	<100	5.7	220	33	18.1	6.4	38	13	28	<1
18629	<100	7.2	480	23	11.9	5.7	43	16	20	<1
18630	<100	6.4	850	60	30.3	16.9	19	6	68	<1
18631	<100	3.5	170	45	29.4	11.8	11	2	55	<1
18632	<100	4.8	470	23	11.7	7.2	13	4	28	<1
18633	<100	6.3	200	19	11.5	3.3	45	12	15	<1
18634	<100	4.4	760	13	7.4	4.2	22	4	14	<1
18635	<100	7.7	210	17	9.6	3.9	50	15	16	<1
18636	<100	5.0	370	35	17.1	11.5	48	5	45	<1
18637	<100	2.9	350	18	9.3	5.7	53	6	21	<1
18638	<100	9.2	260	11	5.5	6.5	6	<1	22	<1
18639	<100	2.1	540	29	15.8	10.8	22	2	40	<1
18640	<100	57.9	42600	5	3.7	0.9	51	<1	4	3
18641	<100	1.9	590	43	22.4	19.8	15	2	69	<1
18642	<100	1.1	270	7	3.4	5.1	14	2	12	<1
18643	<100	3.0	310	14	7.4	6.7	12	1	18	<1
18644	<100	1.6	980	45	25.0	17.9	4	1	65	<1
18645	<100	6.6	220	8	5.6	2.0	19	7	8	<1
18646	<100	1.9	570	14	7.4	4.9	17	4	16	<1
18647	<100	3.4	240	9	5.0	3.2	34	6	10	<1
18648	<100	2.2	420	13	6.5	5.3	9	3	15	<1
18649	<100	6.0	210	24	12.5	6.0	28	8	25	<1
18650	<100	2.6	480	15	8.5	5.8	13	1	23	<1
18651	<100	1.8	350	24	13.2	6.8	68	8	22	<1
18652	<100	0.7	740	82	42.3	27.2	17	4	116	<1
18653	<100	7.7	240	13	17.8	0.7	24	9	3	<1
18654	<100	2.8	270	53	29.8	13.7	47	4	64	<1
18655	<100	10.6	290	10	8.7	1.6	66	14	6	<1
18656	<100	5.1	920	59	40.1	10.3	35	3	60	<1
18657	<100	12.7	300	16	9.1	3.6	43	8	14	<1
18658	<100	8.8	280	41	22.1	11.3	42	15	51	<1
18659	<100	0.8	470	12	6.9	3.4	64	2	13	<1
18660	<100	56.9	33800	5	3.8	1.2	64	<1	4	<1
18661	<100	<0.5	560	17	8.1	6.4	32	4	22	<1
18662	<100	1.2	470	6	2.8	2.3	30	2	7	<1
18663	<100	3.2	380	22	12.7	4.2	47	10	21	<1
18664	<100	2.3	580	21	11.2	6.5	29	2	28	<1

Element	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Hg
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	100	0.5	10	1	0.5	0.5	1	1	1	1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
18665	<100	12.8	160	28	15.9	7.4	29	13	30	<1
18666	<100	3.2	370	21	11.5	5.4	17	4	20	<1
18667	<100	<0.5	220	4	1.7	1.8	19	1	5	<1
18668	<100	<0.5	790	36	21.5	7.5	8	1	40	<1
18669	<100	<0.5	520	60	34.3	14.5	11	2	81	<1
18670	<100	<0.5	670	10	7.6	2.1	3	<1	11	<1
18671	<100	8.1	330	25	15.7	5.0	25	16	23	<1
18672	<100	9.7	190	22	17.3	4.1	46	25	18	<1
18673	<100	3.7	330	22	11.6	7.1	22	7	26	<1
18674	<100	1.0	420	31	16.5	11.5	12	2	49	<1
18675	<100	5.5	230	13	7.3	2.9	43	13	13	<1
18676	<100	7.2	370	15	8.3	3.4	123	21	15	<1
18677	<100	7.9	310	24	13.6	5.3	50	17	24	<1
18678	<100	7.9	210	14	8.0	3.2	57	24	13	<1
18679	<100	6.7	220	23	12.9	5.1	60	15	23	<1
18680	<100	57.0	44200	5	3.6	0.9	53	<1	4	3
18681	<100	5.6	230	15	9.0	2.9	51	18	11	<1
18682	<100	6.5	230	11	8.4	2.0	106	30	9	<1
18683	<100	4.1	270	13	6.5	3.1	35	6	12	<1
18684	<100	3.4	290	12	7.9	3.7	10	3	11	<1
18685	<100	4.7	330	16	9.5	4.0	14	4	16	<1
18686	<100	2.5	260	12	5.9	4.5	28	2	14	<1
18687	<100	9.7	220	29	17.9	6.6	44	4	23	<1
18688	<100	5.3	330	23	13.0	6.5	13	3	26	<1
18689	<100	3.5	280	16	8.3	5.7	33	3	19	<1
18690	<100	2.6	420	6	3.1	2.5	12	2	8	<1
*Rep 18634	<100	4.5	630	17	9.3	5.0	23	4	18	<1
*Rep 18643	<100	3.1	310	15	7.9	6.9	13	1	19	<1
*Rep 18669	<100	<0.5	490	61	35.3	14.2	13	2	81	<1
*Rep 18684	<100	3.6	250	13	8.1	3.7	11	4	13	<1
*Rep 18689	<100	3.6	310	14	7.0	5.3	27	3	16	<1
*Std MMISRM16	<100	12.4	640	2	0.7	0.8	1	<1	3	16
*Std AMIS0169	100	7.9	4720	32	13.9	11.9	46	15	49	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Blk BLANK	<100	<0.5	<10	<1	<0.5	<0.5	<1	<1	<1	<1
*Rep 18661	<100	<0.5	470	16	7.4	5.4	27	4	19	<1

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
18622	<0.5	38.4	46	6	20	2120	<5	1.4	106	436
18623	<0.5	47.3	104	<5	39	960	<5	2.8	189	155
18624	<0.5	39.3	86	9	71	1440	<5	1.0	188	305
18625	<0.5	27.9	39	<5	22	670	<5	1.7	85	67
18626	<0.5	12.2	15	<5	<1	550	32	0.8	48	25
18627	<0.5	12.7	66	<5	10	360	<5	1.2	100	107
18628	<0.5	26.5	65	<5	9	1270	<5	0.9	118	65
18629	<0.5	24.8	43	<5	3	1780	<5	1.3	82	27
18630	<0.5	32.9	130	<5	38	1600	<5	0.8	249	123
18631	<0.5	45.7	52	6	94	4460	<5	<0.5	157	371
18632	<0.5	31.0	57	<5	58	1090	<5	0.9	106	89
18633	<0.5	57.5	29	<5	11	910	<5	0.9	55	107
18634	<0.5	65.7	38	<5	39	160	<5	<0.5	52	45
18635	<0.5	31.1	39	<5	5	970	<5	1.3	60	77
18636	<0.5	32.1	115	7	91	930	<5	1.7	206	202
18637	<0.5	133	81	<5	45	1270	<5	1.4	100	122
18638	<0.5	41.0	46	17	317	960	<5	<0.5	104	1080
18639	<0.5	52.5	81	<5	196	250	<5	0.9	165	206
18640	<0.5	278	3	21	86	1050	32300	<0.5	7	33
18641	<0.5	97.2	126	<5	276	1010	69	1.0	312	686
18642	<0.5	105	54	<5	241	300	13	0.6	74	318
18643	<0.5	111	40	9	275	780	6	1.0	79	656
18644	<0.5	39.4	58	8	392	680	<5	<0.5	176	783
18645	<0.5	33.3	16	<5	7	1390	5	<0.5	28	98
18646	<0.5	25.7	49	<5	56	1100	<5	<0.5	72	50
18647	<0.5	54.9	35	<5	38	1060	<5	0.8	46	193
18648	<0.5	37.1	51	<5	86	670	<5	<0.5	64	46
18649	<0.5	43.3	71	<5	26	1250	<5	0.5	121	47
18650	<0.5	37.5	39	5	149	360	<5	<0.5	100	169
18651	<0.5	50.6	71	<5	72	810	<5	1.6	109	390
18652	<0.5	104	218	6	172	1620	<5	1.0	502	492
18653	<0.5	53.9	2	<5	9	180	<5	<0.5	6	93
18654	<0.5	21.1	140	6	162	910	<5	1.1	267	446
18655	<0.5	35.2	21	<5	8	260	<5	1.6	30	105
18656	<0.5	48.0	71	9	129	970	<5	0.6	181	177
18657	<0.5	74.9	46	<5	24	1110	5	1.0	56	81
18658	<0.5	25.1	133	<5	14	1690	<5	1.5	239	63
18659	<0.5	61.1	35	<5	13	970	16	2.5	50	93
18660	<0.5	303	3	21	92	980	510	<0.5	9	51
18661	<0.5	140	120	<5	59	3690	10	1.1	115	190
18662	<0.5	85.5	20	<5	92	940	6	0.8	27	141
18663	<0.5	39.8	34	<5	13	2390	13	0.6	67	98
18664	<0.5	33.3	67	<5	108	2870	<5	1.5	131	286

Element	In	K	La	Li	Mg	Mn	Mo	Nb	Nd	Ni
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.5	0.1	1	5	1	10	5	0.5	1	5
Units	ppb	ppm	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
18665	<0.5	45.2	72	<5	6	3970	5	1.1	118	34
18666	<0.5	51.2	44	<5	26	1070	<5	0.5	66	22
18667	<0.5	157	15	<5	87	550	<5	1.0	20	175
18668	<0.5	35.9	45	11	268	600	<5	1.0	118	375
18669	<0.5	37.4	87	15	257	390	<5	0.9	248	532
18670	<0.5	32.2	4	<5	276	3300	<5	<0.5	19	703
18671	<0.5	26.6	37	<5	2	1300	8	<0.5	83	48
18672	<0.5	17.5	52	<5	2	310	<5	0.9	99	173
18673	<0.5	26.0	85	<5	10	170	<5	0.5	120	19
18674	<0.5	23.7	85	5	173	980	<5	0.8	209	361
18675	<0.5	25.3	36	<5	14	630	<5	1.3	57	68
18676	<0.5	18.4	92	<5	13	1310	<5	4.2	96	115
18677	<0.5	24.5	64	<5	6	2000	<5	1.3	97	48
18678	<0.5	18.8	34	<5	2	570	<5	1.3	56	69
18679	<0.5	48.9	44	<5	13	2890	<5	0.8	93	96
18680	<0.5	272	3	21	85	1080	30500	<0.5	7	34
18681	<0.5	24.7	28	<5	7	250	59	1.1	47	113
18682	<0.5	52.0	26	<5	7	290	14	3.2	38	147
18683	<0.5	38.2	29	<5	51	430	6	0.6	44	117
18684	<0.5	36.3	36	<5	43	930	6	<0.5	41	32
18685	<0.5	44.4	44	<5	27	1340	<5	<0.5	59	23
18686	<0.5	109	53	<5	82	1090	<5	1.5	68	125
18687	<0.5	61.5	40	<5	100	5900	<5	0.7	73	223
18688	<0.5	72.2	49	<5	77	1810	<5	<0.5	91	51
18689	<0.5	31.5	57	<5	60	1260	<5	1.6	79	156
18690	<0.5	87.8	22	<5	92	540	7	0.6	32	47
*Rep 18634	<0.5	67.6	50	<5	40	260	<5	<0.5	66	45
*Rep 18643	<0.5	111	41	9	265	880	<5	1.0	79	650
*Rep 18669	<0.5	39.3	93	15	247	450	<5	1.1	259	529
*Rep 18684	<0.5	34.4	37	<5	28	940	5	<0.5	46	29
*Rep 18689	<0.5	28.1	52	<5	64	1180	<5	1.6	70	126
*Std MMISRM16	<0.5	39.4	3	<5	31	80	55	<0.5	11	223
*Std AMIS0169	<0.5	45.4	406	<5	32	3640	<5	4.0	385	558
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Blk BLANK	<0.5	<0.1	<1	<5	<1	<10	<5	<0.5	<1	<5
*Rep 18661	<0.5	127	98	<5	53	3940	9	0.9	95	185

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
18622	1.2	70	<1	20	<1	69	<1	26	29	<1
18623	2.8	60	<1	39	<1	105	<1	26	48	<1
18624	0.5	50	<1	36	<1	36	<1	24	50	<1
18625	0.9	150	<1	16	<1	70	<1	30	23	<1
18626	0.8	100	<1	8	<1	66	<1	16	13	<1
18627	0.9	160	<1	22	<1	85	<1	26	20	<1
18628	0.7	180	<1	24	<1	134	<1	32	26	<1
18629	1.3	220	<1	17	<1	127	<1	36	20	<1
18630	0.7	100	<1	49	<1	116	<1	50	65	<1
18631	0.7	20	<1	27	<1	141	<1	21	47	<1
18632	1.0	70	<1	21	<1	104	<1	26	27	<1
18633	1.3	160	<1	11	<1	197	<1	25	12	<1
18634	0.5	180	<1	11	<1	235	<1	20	12	<1
18635	1.3	180	<1	13	<1	188	<1	23	14	<1
18636	2.3	100	<1	43	<1	131	<1	31	45	<1
18637	1.8	100	<1	23	<1	159	<1	30	21	<1
18638	0.4	20	<1	20	<1	110	<1	9	24	<1
18639	1.6	100	<1	31	<1	167	<1	41	39	<1
18640	0.3	470	53	1	<1	558	89	21	3	1
18641	1.1	30	<1	57	<1	152	<1	30	75	<1
18642	0.7	60	<1	16	<1	180	<1	23	15	<1
18643	0.9	70	<1	15	<1	305	<1	29	19	<1
18644	0.4	70	<1	29	<1	99	<1	25	54	<1
18645	0.8	110	<1	6	<1	148	<1	27	7	<1
18646	0.5	190	<1	15	<1	78	<1	35	16	<1
18647	0.9	220	<1	10	<1	149	<1	19	10	<1
18648	0.4	130	<1	14	<1	93	<1	30	15	<1
18649	0.4	300	<1	25	<1	123	<1	29	25	<1
18650	0.7	30	<1	18	<1	96	<1	19	23	<1
18651	3.4	190	<1	24	<1	118	<1	43	22	<1
18652	1.4	10	<1	99	<1	71	<1	31	118	<1
18653	0.3	110	<1	1	<1	215	<1	18	2	<1
18654	1.2	120	<1	56	<1	138	<1	43	62	<1
18655	1.2	150	<1	7	<1	239	<1	22	6	<1
18656	0.6	100	<1	34	<1	319	<1	39	50	<1
18657	0.8	160	<1	13	<1	471	<1	26	13	<1
18658	1.8	140	<1	51	<1	208	<1	56	53	<1
18659	1.8	160	<1	11	<1	79	<1	24	12	<1
18660	0.4	2590	5	2	<1	555	104	22	3	1
18661	2.6	70	<1	27	<1	23	<1	69	23	<1
18662	1.6	80	<1	6	<1	111	<1	18	6	<1
18663	1.6	110	<1	13	<1	126	<1	47	18	<1
18664	2.0	50	<1	26	<1	47	<1	32	29	<1

Element	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	0.1	10	1	1	1	5	1	5	1	1
Units	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
18665	1.1	120	<1	25	<1	292	<1	41	28	<1
18666	0.5	140	<1	14	<1	92	<1	34	17	<1
18667	3.0	30	<1	4	<1	21	<1	13	5	<1
18668	1.2	10	<1	21	<1	40	<1	25	33	<1
18669	2.2	20	<1	43	<1	37	<1	29	68	<1
18670	1.3	<10	<1	3	<1	5	<1	13	7	<1
18671	0.6	160	<1	15	<1	158	<1	39	20	<1
18672	1.6	110	<1	22	<1	86	<1	36	19	<1
18673	0.7	110	<1	26	<1	137	<1	35	27	<1
18674	1.1	<10	<1	39	<1	70	<1	16	48	<1
18675	1.9	100	<1	13	<1	76	<1	22	13	<1
18676	9.6	130	<1	24	<1	89	<1	29	17	<1
18677	1.6	130	<1	21	<1	157	<1	33	22	<1
18678	1.4	140	<1	12	<1	103	<1	20	13	<1
18679	2.0	150	<1	18	<1	191	<1	46	22	<1
18680	0.4	490	49	1	<1	540	87	20	2	1
18681	2.3	170	<1	10	<1	121	<1	23	11	<1
18682	2.3	130	<1	9	<1	181	<1	36	9	<1
18683	0.9	120	<1	9	<1	92	<1	21	10	<1
18684	0.3	160	<1	9	<1	144	<1	41	9	<1
18685	0.4	120	<1	13	<1	182	<1	25	14	<1
18686	1.6	80	<1	16	<1	214	<1	27	14	<1
18687	1.0	150	<1	15	<1	114	<1	65	19	<1
18688	0.7	70	<1	18	<1	220	<1	51	23	<1
18689	1.4	120	<1	18	<1	154	<1	39	18	<1
18690	0.8	40	<1	7	<1	199	<1	14	7	<1
*Rep 18634	0.5	180	<1	14	<1	245	<1	21	15	<1
*Rep 18643	0.9	70	<1	15	<1	308	<1	30	20	<1
*Rep 18669	2.5	20	<1	45	<1	38	<1	32	70	<1
*Rep 18684	0.3	160	<1	10	<1	138	<1	36	11	<1
*Rep 18689	1.3	100	<1	15	<1	156	<1	36	16	<1
*Std MMISRM16	0.3	60	30	2	<1	333	<1	7	3	<1
*Std AMIS0169	3.5	120	<1	100	<1	252	<1	66	63	1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Blk BLANK	<0.1	<10	<1	<1	<1	<5	<1	<5	<1	<1
*Rep 18661	1.8	70	<1	22	<1	22	<1	68	19	<1

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
18622	760	<1	7	<10	5.0	324	<0.5	9	<1	236
18623	1900	<1	7	<10	7.7	517	<0.5	13	<1	202
18624	2430	<1	9	<10	4.7	158	<0.5	16	<1	276
18625	890	<1	5	<10	6.0	370	<0.5	14	<1	169
18626	40	<1	2	<10	3.1	216	<0.5	14	<1	49
18627	720	<1	4	<10	9.2	369	<0.5	6	<1	147
18628	750	<1	6	<10	10.9	316	<0.5	8	<1	199
18629	510	<1	4	<10	17.2	509	<0.5	10	<1	114
18630	3140	<1	11	<10	8.6	204	<0.5	19	<1	305
18631	5320	<1	8	<10	3.4	15	<0.5	41	<1	271
18632	3320	<1	4	<10	6.4	169	<0.5	17	<1	122
18633	1110	<1	3	<10	6.6	262	<0.5	7	<1	111
18634	3780	<1	2	<10	7.4	117	<0.5	6	<1	78
18635	670	<1	3	<10	9.4	393	<0.5	7	<1	98
18636	4650	<1	7	<10	6.6	178	<0.5	12	<1	198
18637	2100	<1	3	<10	12.3	325	<0.5	10	<1	98
18638	6640	<1	3	<10	5.5	11	<0.5	36	<1	63
18639	5730	<1	6	<10	5.6	32	<0.5	17	<1	165
18640	6980	<1	<1	<10	5.0	7	0.9	37	52	31
18641	5430	<1	9	<10	15.6	34	<0.5	29	<1	234
18642	11800	<1	2	<10	7.7	21	<0.5	7	<1	37
18643	4740	<1	3	<10	12.0	27	<0.5	20	<1	68
18644	9340	<1	9	<10	12.1	9	<0.5	34	<1	221
18645	710	<1	1	<10	2.8	60	<0.5	9	<1	47
18646	3200	<1	3	<10	8.1	55	<0.5	6	<1	80
18647	2120	<1	2	<10	8.7	212	<0.5	5	<1	48
18648	4700	<1	2	<10	8.1	43	<0.5	6	<1	66
18649	1740	<1	4	<10	7.6	131	<0.5	7	<1	133
18650	5420	<1	3	<10	6.2	19	<0.5	17	<1	89
18651	3730	<1	4	<10	14.8	348	<0.5	7	<1	132
18652	6870	<1	16	<10	26.4	57	<0.5	54	<1	437
18653	690	<1	<1	<10	0.7	15	<0.5	2	<1	90
18654	6700	<1	10	<10	11.5	80	<0.5	15	<1	303
18655	590	<1	1	<10	9.8	401	<0.5	7	<1	58
18656	4320	<1	10	<10	9.1	47	<0.5	21	<1	374
18657	1520	<1	3	<10	11.5	278	<0.5	10	<1	88
18658	730	<1	8	<10	18.2	424	<0.5	16	<1	215
18659	820	<1	2	<10	10.9	194	<0.5	17	<1	75
18660	6220	<1	<1	<10	5.1	8	1.1	45	6	35
18661	2350	<1	4	<10	31.0	194	<0.5	16	<1	80
18662	2870	<1	1	<10	5.7	52	<0.5	7	<1	29
18663	740	<1	3	<10	4.9	75	<0.5	13	<1	123
18664	3830	<1	4	<10	11.4	58	<0.5	23	<1	111

Element	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	10	1	1	10	0.5	3	0.5	1	1	5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
18665	570	<1	5	<10	15.4	297	0.6	14	<1	153
18666	2670	<1	3	<10	9.1	90	<0.5	11	<1	115
18667	3310	<1	<1	<10	8.1	51	<0.5	5	<1	19
18668	4720	<1	6	<10	10.3	15	<0.5	63	<1	182
18669	3750	<1	11	<10	13.9	23	<0.5	39	<1	316
18670	5800	<1	2	<10	0.7	9	<0.5	72	<1	49
18671	340	<1	4	<10	3.5	36	<0.5	8	<1	145
18672	130	<1	3	<10	6.0	191	<0.5	5	<1	150
18673	1230	<1	4	<10	13.2	149	<0.5	9	<1	127
18674	6380	<1	6	<10	10.7	16	<0.5	48	<1	161
18675	740	<1	2	<10	5.7	278	<0.5	10	<1	70
18676	760	<1	3	<10	22.2	1170	<0.5	8	<1	71
18677	550	<1	4	<10	13.5	383	<0.5	11	<1	131
18678	220	<1	2	<10	9.0	394	<0.5	7	<1	76
18679	870	<1	4	<10	6.9	207	<0.5	9	<1	124
18680	6810	<1	<1	<10	5.2	11	0.9	37	50	31
18681	560	<1	2	<10	6.5	297	<0.5	5	<1	83
18682	710	<1	2	<10	8.1	789	<0.5	8	<1	57
18683	2620	<1	2	<10	4.9	114	<0.5	4	<1	69
18684	4840	<1	2	<10	7.7	17	<0.5	8	<1	82
18685	2360	<1	3	<10	6.9	61	<0.5	10	<1	99
18686	4640	<1	2	<10	15.1	89	<0.5	12	<1	56
18687	5370	<1	5	<10	13.4	76	<0.5	15	<1	162
18688	2150	<1	4	<10	2.8	28	<0.5	12	<1	134
18689	3650	<1	3	<10	13.0	148	<0.5	13	<1	77
18690	4490	<1	1	<10	4.9	25	<0.5	6	<1	29
*Rep 18634	3700	<1	3	<10	7.4	125	<0.5	6	<1	96
*Rep 18643	4640	<1	3	<10	12.6	32	<0.5	20	<1	71
*Rep 18669	3600	<1	11	<10	14.6	24	<0.5	37	<1	327
*Rep 18684	3050	<1	2	<10	8.0	35	<0.5	8	<1	84
*Rep 18689	4000	<1	3	<10	12.8	112	<0.5	12	<1	66
*Std MMISRM16	460	<1	<1	<10	15.7	5	<0.5	48	<1	7
*Std AMIS0169	70	<1	8	<10	84.2	471	1.3	30	2	130
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Blk BLANK	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
*Rep 18661	2050	<1	3	<10	23.0	156	<0.5	14	<1	77

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
18622	14	240	49
18623	13	600	99
18624	17	130	52
18625	13	510	122
18626	4	70	101
18627	9	100	108
18628	13	140	132
18629	9	150	176
18630	22	290	113
18631	24	70	57
18632	9	300	110
18633	8	160	95
18634	6	40	81
18635	8	360	131
18636	12	1320	65
18637	7	110	130
18638	4	<20	9
18639	12	40	75
18640	4	240	38
18641	18	70	94
18642	3	40	53
18643	6	70	55
18644	18	40	40
18645	5	130	63
18646	6	30	69
18647	4	40	82
18648	5	40	78
18649	9	30	78
18650	7	110	42
18651	10	90	127
18652	34	20	84
18653	17	90	16
18654	24	70	67
18655	8	60	150
18656	35	30	90
18657	7	40	160
18658	19	70	251
18659	6	70	64
18660	4	4060	40
18661	6	200	210
18662	2	310	48
18663	11	340	87
18664	10	150	83

Final : TO111598 Order: Mammoth Geological Ltd

Element	Yb	Zn	Zr
Method	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	20	5
Units	ppb	ppb	ppb
18665	13	70	239
18666	9	70	137
18667	1	60	37
18668	19	20	46
18669	29	50	39
18670	8	40	19
18671	13	150	53
18672	16	130	92
18673	9	30	113
18674	15	40	37
18675	6	60	69
18676	7	160	214
18677	12	90	211
18678	7	70	141
18679	10	160	86
18680	4	270	38
18681	7	130	86
18682	7	50	104
18683	5	20	50
18684	6	100	80
18685	8	80	91
18686	5	140	106
18687	15	740	128
18688	11	110	50
18689	6	80	126
18690	2	60	46
*Rep 18634	7	50	80
*Rep 18643	7	70	57
*Rep 18669	31	60	41
*Rep 18684	6	100	87
*Rep 18689	6	60	126
*Std MMISRM16	<1	240	16
*Std AMIS0169	12	260	61
*Blk BLANK	<1	<20	<5
*Blk BLANK	<1	<20	<5
*Rep 18661	6	210	172

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 30, 2010
Report Date: September 10, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN10004241.1

CLIENT JOB INFORMATION

Project: PLACER MTN.
Shipment ID:
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	4	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	4	Dry at 60C			VAN
1DX2	4	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Mammoth Geological Ltd.
790 - 580 Hornby Street
Vancouver BC V6C 3B8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS VAN10004241.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
PM10-S01	Soil	6.3	70.6	8.3	123	<0.1	176.3	33.6	994	13.82	48.8	1.3	4.6	2.3	148	0.7	0.4	<0.1	97	0.41	0.263
PM10-S02	Soil	3.6	126.7	15.3	127	1.7	91.1	34.5	1412	5.74	50.4	0.7	25.9	0.8	33	1.4	2.6	0.2	158	0.59	0.050
PM10-S03	Soil	1.5	227.2	2.7	65	0.1	114.0	35.1	572	7.34	103.8	0.8	9.3	0.7	144	0.4	1.2	<0.1	229	0.72	0.053
PM10-S04	Soil	3.1	63.6	57.1	97	0.9	19.8	24.0	2086	5.68	38.9	2.5	27.2	6.8	64	0.7	2.5	0.3	124	0.60	0.090

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 10, 2010

CERTIFICATE OF ANALYSIS VAN10004241.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
PM10-S01	Soil	14	58	0.47	190	0.037	<1	1.47	0.022	0.17	<0.1	0.02	7.9	0.1	0.13	4	2.5	<0.2
PM10-S02	Soil	6	106	1.70	181	0.113	<1	2.50	0.017	0.36	<0.1	0.03	19.1	0.4	<0.05	9	0.8	0.3
PM10-S03	Soil	6	217	2.31	129	0.024	<1	3.00	0.024	0.08	<0.1	0.03	22.2	<0.1	<0.05	11	1.1	<0.2
PM10-S04	Soil	24	27	1.04	256	0.015	<1	2.50	0.022	0.26	0.1	0.04	12.4	<0.1	<0.05	11	0.7	0.5

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 10, 2010

QUALITY CONTROL REPORT VAN10004241.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS7	Standard	22.7	121.6	70.0	416	1.0	58.8	9.6	642	2.49	54.7	5.2	82.6	4.9	81	6.9	6.9	4.8	93	0.91	0.076
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 10, 2010

QUALITY CONTROL REPORT VAN10004241.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																		
STD DS7	Standard	13	186	1.11	412	0.143	38	1.06	0.109	0.47	3.9	0.21	3.1	4.1	0.20	5	3.9	1.7
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
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

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 30, 2010
Report Date: September 20, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN10004242.1

CLIENT JOB INFORMATION

Project: PLACER MTN.
Shipment ID:
P.O. Number
Number of Samples: 22

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
G6Gr	4	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN
R200-250	22	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX2	22	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Mammoth Geological Ltd.
790 - 580 Hornby Street
Vancouver BC V6C 3B8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 20, 2010

CERTIFICATE OF ANALYSIS VAN10004242.1

Method		G6Gr	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Au	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
Unit		gm/t	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.9	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
PM10-R01	Rock		1.64	0.5	31.6	15.2	47	0.3	23.9	6.9	1020	1.81	9.0	0.2	847.6	0.7	36	0.5	0.5	<0.1	10
PM10-R02	Rock		1.11	2.1	39.4	6.2	97	0.1	51.1	16.0	407	4.76	115.7	0.5	6.1	1.7	8	0.3	4.1	<0.1	27
PM10-R03	Rock	28.9	0.75	0.3	22.4	5.5	7	19.0	1.2	0.7	47	0.50	3.2	<0.1	24430	<0.1	<1	0.1	0.2	1.2	3
PM10-R04	Rock		1.69	0.5	7.2	2.2	6	<0.1	2.5	1.0	58	0.49	2.3	<0.1	17.2	0.2	1	<0.1	0.2	<0.1	7
PM10-R05	Rock		0.69	0.3	6.6	4.3	14	0.1	14.2	2.3	86	0.82	59.4	<0.1	63.2	0.2	4	<0.1	0.7	<0.1	4
PM10-R06	Rock	1.0	2.24	0.1	62.6	69.0	13	3.6	1.3	0.4	62	0.49	6.4	<0.1	1035	<0.1	<1	<0.1	1.7	0.4	16
PM10-R07	Rock	21.0	2.90	0.5	31.8	261.2	9	45.4	1.8	0.9	56	0.53	5.4	0.4	25341	0.1	1	<0.1	11.3	4.3	39
PM10-R08	Rock		1.67	1.0	17.7	2.4	10	0.2	3.5	1.6	104	1.00	2.4	0.3	85.9	0.9	3	<0.1	0.1	2.4	17
PM10-R09	Rock		1.61	0.8	3.3	77.3	3	7.9	1.8	1.1	60	0.41	4.4	0.6	405.5	0.1	<1	<0.1	1.4	0.3	<2
PM10-R10	Rock		1.02	0.2	32.0	1.3	2	<0.1	1.8	1.4	140	0.46	7.2	<0.1	17.9	<0.1	<1	<0.1	0.1	<0.1	3
PM10-R11	Rock		1.45	3.9	9.4	3.4	25	0.5	28.8	5.6	528	1.61	12.5	0.4	10.3	1.3	5	0.1	2.6	<0.1	60
PM10-R12	Rock	1.4	0.89	1.3	29.0	2.6	5	11.9	4.2	1.3	1011	1.14	24.0	<0.1	1241	<0.1	5	0.2	21.3	5.1	10
PM10-R13	Rock		1.68	0.2	3.0	1.5	5	<0.1	1.9	0.6	116	0.41	4.7	<0.1	4.6	<0.1	<1	<0.1	0.2	<0.1	4
PM10-R14	Rock		1.56	1.6	269.0	3.7	16	0.2	7.3	3.7	212	3.37	664.7	0.3	38.3	<0.1	3	0.2	2.2	2.5	15
PM10-R15	Rock		1.42	1.0	51.2	3.8	7	12.7	3.2	1.8	258	0.90	37.6	<0.1	808.5	<0.1	1	0.2	7.4	0.1	6
PM10-R16	Rock		2.05	1.6	124.5	4.2	11	0.9	3.8	3.1	371	2.24	144.9	0.1	45.7	<0.1	1	0.3	1.0	19.2	8
PM10-R17	Rock		1.70	0.9	5.4	1.0	5	<0.1	6.9	1.3	1252	0.99	7.9	<0.1	9.4	<0.1	4	0.2	0.2	<0.1	9
PM10-R18	Rock		1.68	3.3	130.5	32.0	35	1.2	2.2	2.5	169	1.71	42.8	1.3	25.3	7.9	5	0.9	0.7	0.3	19
PM10-R19	Rock		1.99	0.1	9.7	0.9	10	<0.1	1.5	0.6	80	0.60	1.2	0.1	<0.5	<0.1	1	<0.1	0.2	<0.1	12
PM10-R20	Rock		1.61	3.0	9.4	7.3	52	<0.1	3.5	11.4	1354	3.53	16.7	4.4	30.1	7.2	22	<0.1	0.3	0.2	46
PM10-R21	Rock		2.07	0.3	13.7	3.7	3	1.9	1.9	1.6	105	1.13	11.6	0.1	235.4	0.1	<1	<0.1	0.3	2.3	2
PM10-R22	Rock		2.76	2.0	48.0	51.6	97	0.8	6.5	14.6	890	3.64	30.9	3.1	540.5	4.7	25	1.1	0.7	0.1	51

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 20, 2010

CERTIFICATE OF ANALYSIS VAN10004242.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Ca	P	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	0.01	0.001	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
PM10-R01	Rock	0.55	0.056	7	25	0.08	105	0.004	2	0.33	0.012	0.12	<0.1	0.01	2.2	<0.1	<0.05	<1	1.1	<0.2
PM10-R02	Rock	0.07	0.049	13	25	0.08	181	0.008	3	0.59	0.006	0.19	<0.1	0.04	3.0	0.2	<0.05	2	0.8	<0.2
PM10-R03	Rock	<0.01	0.002	<1	34	<0.01	6	0.001	<1	0.03	0.006	<0.01	4.0	0.08	0.2	<0.1	<0.05	<1	<0.5	6.2
PM10-R04	Rock	0.02	0.004	<1	31	0.03	36	0.001	<1	0.09	0.005	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
PM10-R05	Rock	0.03	0.007	1	28	0.02	24	0.001	<1	0.12	0.005	0.06	<0.1	<0.01	1.0	<0.1	0.06	<1	<0.5	<0.2
PM10-R06	Rock	<0.01	0.001	<1	35	<0.01	4	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	2.2
PM10-R07	Rock	<0.01	0.004	<1	47	<0.01	6	<0.001	<1	0.03	0.003	<0.01	<0.1	0.39	0.2	<0.1	<0.05	<1	<0.5	9.0
PM10-R08	Rock	0.04	0.015	4	30	0.05	60	0.003	<1	0.22	0.009	0.09	1.9	<0.01	0.7	<0.1	<0.05	<1	<0.5	1.0
PM10-R09	Rock	<0.01	0.003	<1	46	<0.01	8	<0.001	<1	0.02	0.002	<0.01	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	3.4
PM10-R10	Rock	<0.01	0.001	<1	36	<0.01	11	<0.001	<1	0.02	0.001	<0.01	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
PM10-R11	Rock	0.35	0.048	4	45	0.44	23	0.002	<1	0.54	0.033	0.03	<0.1	<0.01	4.3	<0.1	<0.05	2	<0.5	<0.2
PM10-R12	Rock	0.08	0.002	<1	29	0.03	67	<0.001	<1	0.05	0.004	0.01	<0.1	0.01	0.4	<0.1	<0.05	<1	0.6	11.4
PM10-R13	Rock	0.02	0.001	<1	37	0.02	7	<0.001	<1	0.05	0.002	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
PM10-R14	Rock	0.02	0.005	1	26	0.02	25	0.001	<1	0.13	0.004	0.03	0.2	<0.01	1.3	<0.1	<0.05	<1	1.6	4.8
PM10-R15	Rock	0.03	0.002	<1	43	0.01	19	0.001	<1	0.04	0.004	0.02	<0.1	<0.01	0.3	<0.1	<0.05	<1	1.7	1.5
PM10-R16	Rock	0.01	0.004	<1	22	0.01	25	<0.001	<1	0.08	0.003	0.02	0.9	<0.01	0.7	<0.1	<0.05	<1	1.6	18.6
PM10-R17	Rock	0.05	0.002	1	43	0.01	48	<0.001	<1	0.04	0.005	0.02	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
PM10-R18	Rock	0.03	0.011	12	9	0.04	143	0.001	1	0.37	0.012	0.29	0.4	0.01	0.4	<0.1	<0.05	<1	<0.5	0.3
PM10-R19	Rock	<0.01	0.001	<1	36	<0.01	12	<0.001	<1	0.03	0.001	<0.01	0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
PM10-R20	Rock	0.20	0.054	23	6	0.14	148	<0.001	4	0.73	0.013	0.22	<0.1	0.02	2.9	0.1	<0.05	2	<0.5	0.2
PM10-R21	Rock	<0.01	0.002	<1	46	<0.01	18	<0.001	<1	0.04	0.005	0.02	<0.1	<0.01	<0.1	<0.1	0.52	<1	<0.5	0.4
PM10-R22	Rock	0.33	0.104	15	7	0.16	117	<0.001	4	0.55	0.005	0.24	<0.1	0.05	5.6	<0.1	<0.05	1	<0.5	<0.2

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 20, 2010

QUALITY CONTROL REPORT VAN10004242.1

	Method	G6Gr	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Au	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	gm/t	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.9	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2
REP PM10-R18	QC			3.2	124.2	30.3	37	1.2	2.3	2.6	159	1.63	40.5	1.3	32.2	7.6	5	0.8	0.7	0.2	19
Core Reject Duplicates																					
PM10-R18	Rock		1.68	3.3	130.5	32.0	35	1.2	2.2	2.5	169	1.71	42.8	1.3	25.3	7.9	5	0.9	0.7	0.3	19
DUP PM10-R18	QC			3.0	126.4	30.7	38	1.2	2.2	2.5	163	1.64	40.3	1.2	23.8	7.2	5	0.8	0.6	0.2	19
Reference Materials																					
STD AGPROOF	Standard	<0.9																			
STD CDN-ME-3	Standard	9.8																			
STD CDN-ME-3	Standard	9.5																			
STD DS7	Standard			19.9	114.9	67.7	396	1.0	55.1	9.5	597	2.38	49.6	4.9	65.7	4.8	70	6.2	5.8	4.4	84
STD DS7	Standard			20.9	114.7	69.9	400	1.0	56.1	9.6	630	2.42	52.1	4.8	64.1	5.0	70	6.4	6.0	4.8	86
STD DS7	Standard			21.8	113.2	70.3	411	1.0	59.7	9.2	634	2.46	53.4	5.3	71.4	4.5	71	6.2	6.0	4.7	86
STD DS7	Standard			22.5	116.1	71.6	443	1.0	58.7	9.5	659	2.50	54.6	5.5	92.3	4.9	77	6.2	5.7	4.8	87
STD DS7 Expected				20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84
STD AGPROOF Expected		0																			
STD CDN-ME-3 Expected		9.97																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank	<0.9																			
BLK	Blank	<0.9																			
BLK	Blank	<0.9																			
Prep Wash																					
G1	Prep Blank		<0.01	0.1	4.5	47.4	109	0.2	3.8	4.5	572	2.05	0.9	1.8	1.7	6.6	62	0.6	0.5	0.2	40
G1	Prep Blank		<0.01	0.1	3.6	6.2	51	<0.1	4.3	4.9	590	2.08	<0.5	1.9	1.5	7.2	65	<0.1	0.1	<0.1	41

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 20, 2010

QUALITY CONTROL REPORT VAN10004242.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Ca	P	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	0.01	0.001	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
REP PM10-R18	QC	0.03	0.011	11	8	0.03	134	<0.001	<1	0.35	0.011	0.27	0.4	0.01	0.4	<0.1	<0.05	<1	<0.5	0.3
Core Reject Duplicates																				
PM10-R18	Rock	0.03	0.011	12	9	0.04	143	0.001	1	0.37	0.012	0.29	0.4	0.01	0.4	<0.1	<0.05	<1	<0.5	0.3
DUP PM10-R18	QC	0.02	0.011	10	9	0.03	124	<0.001	<1	0.34	0.011	0.26	0.3	0.01	0.5	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																				
STD AGPROOF	Standard																			
STD CDN-ME-3	Standard																			
STD CDN-ME-3	Standard																			
STD DS7	Standard	0.98	0.072	13	185	1.05	387	0.121	40	1.03	0.095	0.45	3.5	0.20	2.3	3.9	0.19	5	2.8	1.9
STD DS7	Standard	0.99	0.078	13	197	1.07	395	0.128	40	1.07	0.098	0.46	3.6	0.20	2.6	4.0	0.20	5	3.4	1.1
STD DS7	Standard	0.98	0.080	12	191	1.08	406	0.112	42	1.02	0.094	0.46	4.0	0.23	2.3	4.2	0.21	5	3.1	1.2
STD DS7	Standard	1.01	0.078	13	195	1.10	414	0.121	41	1.06	0.099	0.46	3.9	0.22	2.5	4.1	0.22	5	3.9	1.2
STD DS7 Expected		0.93	0.08	12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
STD AGPROOF Expected																				
STD CDN-ME-3 Expected																				
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.01	<0.001	<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																			
BLK	Blank																			
BLK	Blank																			
Prep Wash																				
G1	Prep Blank	0.58	0.083	15	17	0.59	199	0.143	<1	1.09	0.110	0.57	<0.1	0.02	2.1	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.61	0.083	15	19	0.59	207	0.145	<1	1.13	0.122	0.58	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 30, 2010
Report Date: September 15, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN10004243.1

CLIENT JOB INFORMATION

Project: PLACER MTN.
Shipment ID:
P.O. Number
Number of Samples: 11

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	11	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	11	Dry at 60C			VAN
3A01	11	Acid digest, Au by ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Mammoth Geological Ltd.
790 - 580 Hornby Street
Vancouver BC V6C 3B8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 15, 2010

CERTIFICATE OF ANALYSIS VAN10004243.1

		Method	3A
		Analyte	Au
		Unit	ppb
		MDL	0.5
PM10-01	Stream		<0.5
PM10-02	Stream		3.4
PM10-03	Stream		1.9
PM10-04	Stream		1.2
PM10-05	Stream		2.9
PM10-06	Stream		0.6
PM10-07	Stream		0.9
PM10-08	Stream		1.3
PM10-09	Stream		6.7
PM10-10	Stream		2.0
PM10-11	Stream		1.1

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

Client: **Mammoth Geological Ltd.**
790 - 580 Hornby Street
Vancouver BC V6C 3B8 Canada

Project: PLACER MTN.
Report Date: September 15, 2010

QUALITY CONTROL REPORT VAN10004243.1

		Method	3A
		Analyte	Au
		Unit	ppb
		MDL	0.5
Pulp Duplicates			
PM10-08	Stream Sedim		1.3
REP PM10-08	QC		1.7
Reference Materials			
STD OREAS52PB	Standard		333.6
STD OREAS52PB Expected			307
BLK	Blank		<0.5
BLK	Blank		<0.5

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

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

Submitted By: Tim Henneberry
Receiving Lab: Canada-Vancouver
Received: August 30, 2010
Report Date: September 24, 2010
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN10004243A.1

CLIENT JOB INFORMATION

Project: PLACER MTN.
Shipment ID:
P.O. Number
Number of Samples: 11

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
S150	11	Sieve to 150 mesh			VAN
1DX2	11	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

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

Project: PLACER MTN.
Report Date: September 24, 2010

CERTIFICATE OF ANALYSIS VAN10004243A.1

Method		WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
PM10-01	Stream		0.7	25.5	3.8	40	0.2	22.2	5.7	620	1.80	1.8	1.7	71.2	1.1	56	0.2	0.2	<0.1	42	0.62
PM10-02	Stream		0.9	27.3	6.8	45	0.2	22.7	7.1	736	1.99	2.6	1.5	1.7	1.3	53	0.2	0.2	<0.1	47	0.58
PM10-03	Stream		0.6	28.3	5.0	47	0.2	28.0	6.6	633	2.15	1.9	1.9	32.0	1.6	63	0.2	0.1	<0.1	48	0.68
PM10-04	Stream		1.6	30.5	3.8	47	0.2	31.5	7.5	1371	2.23	3.2	1.8	5.1	1.3	64	0.2	0.1	<0.1	56	0.69
PM10-05	Stream		0.8	23.6	5.3	82	0.2	24.5	10.8	957	3.07	4.6	3.6	31.0	1.8	89	0.3	0.2	<0.1	89	0.77
PM10-06	Stream		0.3	13.9	3.8	24	<0.1	14.5	5.0	419	1.57	0.7	2.6	1.3	0.8	78	<0.1	<0.1	<0.1	45	0.57
PM10-07	Stream		0.7	32.7	5.0	47	0.4	31.3	6.6	867	2.07	2.9	1.1	2.9	0.8	60	0.6	0.2	<0.1	51	1.08
PM10-08	Stream		0.9	17.8	5.0	60	0.2	19.8	7.0	687	2.42	2.8	2.8	7.2	1.7	77	0.2	0.2	<0.1	62	0.67
PM10-09	Stream		2.2	42.0	5.9	315	0.4	37.3	10.8	576	2.94	13.4	1.0	5.5	1.5	84	0.5	0.7	0.1	82	0.63
PM10-10	Stream		0.2	19.5	5.1	32	<0.1	35.1	7.4	424	1.93	1.2	1.1	4.4	1.3	129	0.2	0.1	<0.1	48	0.62
PM10-11	Stream		0.5	12.7	4.7	39	<0.1	12.3	6.1	649	2.21	1.6	3.6	4.6	1.2	87	0.1	<0.1	<0.1	62	0.65

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

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

Project: PLACER MTN.
Report Date: September 24, 2010

CERTIFICATE OF ANALYSIS VAN10004243A.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		P	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		0.001	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
PM10-01	Stream	0.075	13	37	0.43	149	0.065	1	1.73	0.024	0.08	<0.1	0.05	3.5	<0.1	0.08	5	1.1	<0.2
PM10-02	Stream	0.081	12	38	0.51	150	0.066	2	1.87	0.026	0.08	<0.1	0.05	3.6	<0.1	0.07	5	1.1	<0.2
PM10-03	Stream	0.076	14	44	0.53	167	0.069	2	2.09	0.028	0.10	<0.1	0.04	4.6	<0.1	0.09	6	1.0	<0.2
PM10-04	Stream	0.077	15	38	0.44	204	0.066	2	1.82	0.023	0.09	<0.1	0.04	3.7	<0.1	0.07	5	1.1	<0.2
PM10-05	Stream	0.129	18	42	0.58	215	0.080	1	2.24	0.025	0.12	<0.1	0.05	4.5	<0.1	0.07	7	0.9	<0.2
PM10-06	Stream	0.059	14	32	0.37	165	0.066	<1	1.90	0.022	0.07	<0.1	0.03	3.1	<0.1	0.06	5	<0.5	<0.2
PM10-07	Stream	0.053	16	42	0.47	154	0.060	3	1.99	0.028	0.10	<0.1	0.07	4.4	<0.1	0.10	5	3.1	<0.2
PM10-08	Stream	0.100	16	33	0.48	175	0.065	2	1.80	0.023	0.09	<0.1	0.04	3.6	<0.1	<0.05	6	1.3	<0.2
PM10-09	Stream	0.074	15	58	0.82	235	0.087	2	2.54	0.031	0.23	<0.1	0.04	5.7	0.2	0.08	7	1.4	0.2
PM10-10	Stream	0.074	21	53	0.47	236	0.069	1	2.12	0.026	0.09	<0.1	0.04	4.4	<0.1	0.05	5	<0.5	<0.2
PM10-11	Stream	0.108	15	31	0.42	180	0.067	<1	1.73	0.020	0.09	<0.1	0.04	3.2	<0.1	0.05	5	<0.5	<0.2

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

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

Project: PLACER MTN.
Report Date: September 24, 2010

QUALITY CONTROL REPORT VAN10004243A.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
PM10-09	Stream Sedim		2.2	42.0	5.9	315	0.4	37.3	10.8	576	2.94	13.4	1.0	5.5	1.5	84	0.5	0.7	0.1	82	0.63
REP PM10-09	QC		2.0	38.9	5.5	301	0.4	33.8	10.2	566	2.82	11.4	1.0	5.9	1.4	78	0.5	0.6	<0.1	78	0.61
Reference Materials																					
STD DS7	Standard		20.6	98.9	61.0	392	1.0	56.4	8.1	584	2.30	48.3	4.3	68.0	4.2	70	5.8	5.5	4.3	78	0.95
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01

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

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

Project: PLACER MTN.
Report Date: September 24, 2010

QUALITY CONTROL REPORT VAN10004243A.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	P	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	0.001	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																			
PM10-09	Stream Sedim	0.074	15	58	0.82	235	0.087	2	2.54	0.031	0.23	<0.1	0.04	5.7	0.2	0.08	7	1.4	0.2
REP PM10-09	QC	0.067	15	54	0.77	227	0.076	1	2.33	0.026	0.22	<0.1	0.04	5.5	0.1	<0.05	7	1.2	<0.2
Reference Materials																			
STD DS7	Standard	0.083	12	184	1.04	382	0.102	38	1.04	0.097	0.43	3.7	0.22	2.0	3.9	0.20	5	3.3	2.0
STD DS7 Expected		0.08	12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<0.001	<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