GEOLOGICAL AND GEOCHEMICAL REPORT
on the
GD PROPERTY

Omineca Mining Division, British Columbia, Canada
Centered at
54° 45' North, 126° 10' West
On NTS mapsheet 93L/16E
BCGS mapsheets 093L.079 & 93L.080

Prepared for:

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1 SUMMARY

This report summarizes recent 2010 exploration work performed on the GD mineral claims of which Altiplano Minerals Limited of Calgary, Alberta owns a 100% interest in the property.

The GD property (the "Property") is located 30 kilometres northeast of the town of Topley (on Highway 16) in central British Columbia. The GD Property comprises eleven claims totalling 4161.83 hectares. Access to the GD property is by the main Granisle Highway and many logging and placer trails that branch out from this main highway.

The GD property is predominantly underlain by Mesozoic layered rocks, the most widespread being clastic volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group. The Hazelton Group rocks are intruded by plutonic rocks of various ages. The dominant lithological unit is the Early to Middle Jurassic Spike Intrusive Suite rocks that host the anomalous copper, molybdenite, and weakly elevated gold anomalies.

During 2010, Altiplano Minerals Limited. carried out geological mapping, prospecting and rock/soil geochemical surveys over portions of the GD Property. Several continuous rock chip samples returned elevated values of copper and molybdenite over interval up to 18 metres wide. Weakly elevated gold values were returned in Tachek Creek north and south. In general, wide spread copper mineralization, in exposed outcrop, was observed extending from Tachek Creek north to Tachek Creek south, a distance of 1125 metres.

A second-phase program of three-dimensional (3D) induced polarization and magnetic geophysical surveys centered on previous percussion drilling by Noranda Exploration Company in 1969 is recommended. In addition, further geological mapping and continuous rock chip sampling in Tachek Creek north and south is recommended. Also, reconnaissance soil lines should test the Late Triassic to Early Jurassic Topley Intrusive Suite rocks in the south-eastern part of the claims for any copper mineralization or possibly other hidden younger intrusions of the Spike Peak Intrusive Suite rocks that host the copper mineralization on the GD property. A third phase drill program will be recommended depending on the results of phase 2.

2 INTRODUCTION AND OBJECTIVE

This technical report highlights information obtained from a July, 2010 geological and geochemical exploration program carried out on the GD mineral claims by Rio Minerals Limited on behalf of Altiplano Minerals Limited, the 100% owner of the GD property. This exploration program tested previously reported anomalous zones and new areas for potential precious and base metal values. This report was prepared for assessment credit in the Province of British Columbia. The author, a qualified person under National Instrument 43-101 guidelines, was involved in all fieldwork.

The property has been staked to cover the known extent of previously identified widespread copper mineralization less molybdenite and anomalous gold (Carter, 1990). Mineralization typically occurs within fractures and faulted zones with rare weakly mineralized (trace chalcopyrite) quartz and quartz-carbonate veinlets. The copper mineralization for the most part is hosted within Early to Middle Jurassic Spike Peak Intrusive Suite rocks (granitic quartz monzonite).

The field program consisted of the collection of 84 continuous rock chip samples, 2 float samples (not from outcrop) and 2 grab sample from outcrop. Soil samples were collected on two grids (north and south) with 25 metre stations and 50 metre line spacings for a total of 520 soil samples. Additional fieldwork consisted of geological mapping and prospecting.

Porphyry type deposits typically contain stockworks of quartz veinlets, quartz veins, closely spaced fractures and breccias containing pyrite and chalcopyrite with lesser molybdenite, bornite and magnetite and occur in large zones of economically bulk-mineable mineralization (Panteleyev, A. (1995). The GD property has wide-spread copper mineralization (pyrite, chalcopyrite, magnetite, molybdenite and bornite) and generally fractured controlled copper mineralization and is consistent with a porphyry copper molybdenite type environment.

The objectives of the 2010 exploration program were to compile previous geological work and validate previously reported exploration work. In addition, the main objective was to define a viable economic drill target based on new and historical assay results.

3 GD PROPERTY DESCRIPTION AND LOCATION

The GD Property is located in central British Columbia (Figure 1), 14 kilometres south of Topley Landing/Granisle (on the west shore of Babine Lake) and 30 kilometres northeast of the town of Topley (on Highway 16) on the Granisle Highway. The GD Property is located within the Omineca Mining Division in British Columbia. The claims cover an area of 4161.83 hectares centred at latitude 54° 45' N and longitude 126° 10' W within NTS map sheet 093L/16E and BCGS map sheets 93L.079 and.080. Altiplano Minerals Limited ("Altiplano") owns a 100% interest in the eleven claims (Figure 2) that comprise the GD Property.

Table 1: GD Property Information

Tenure Number	Claim Name	Owner	Map Number	Expiry Date	Area (ha)
558121	GD-1	245861 (100%)	093L	2012Jun/11	466.54
558123	GD-2	245861 (100%)	093L	2012/Jun/11	466.75
602703	GD-3	245861 (100%)	093L	2012/Jun/11	373.07
789022	GD-4	245861 (100%)	093L	2012/Jun/11	466.43
789082	GD-5	245861 (100%)	093L	2012/Jun/11	317.39
790382	GD-6	245861 (100%)	093L	2012/Jun/11	447.68
790442	GD-7	245861 (100%)	093L	2012/Jun/11	447.95
790462	GD-8	245861 (100%)	093L	2012/Jun/11	298.77
829102	GD-9	245861 (100%)	093L	2011/Jul/27	37.33
829122	GD-10	245861 (100%)	093L	2011/Jul/27	373.14
829142	GD-11	245861 (100%)	093L	2011/Jul/27	466.79

The author undertook a search of the tenure data on the British Columbia government's Mineral Titles Online (MTO) web site which confirms the geospatial locations of the claims boundaries.

Figure 1: Regional Location Map of the GD Property

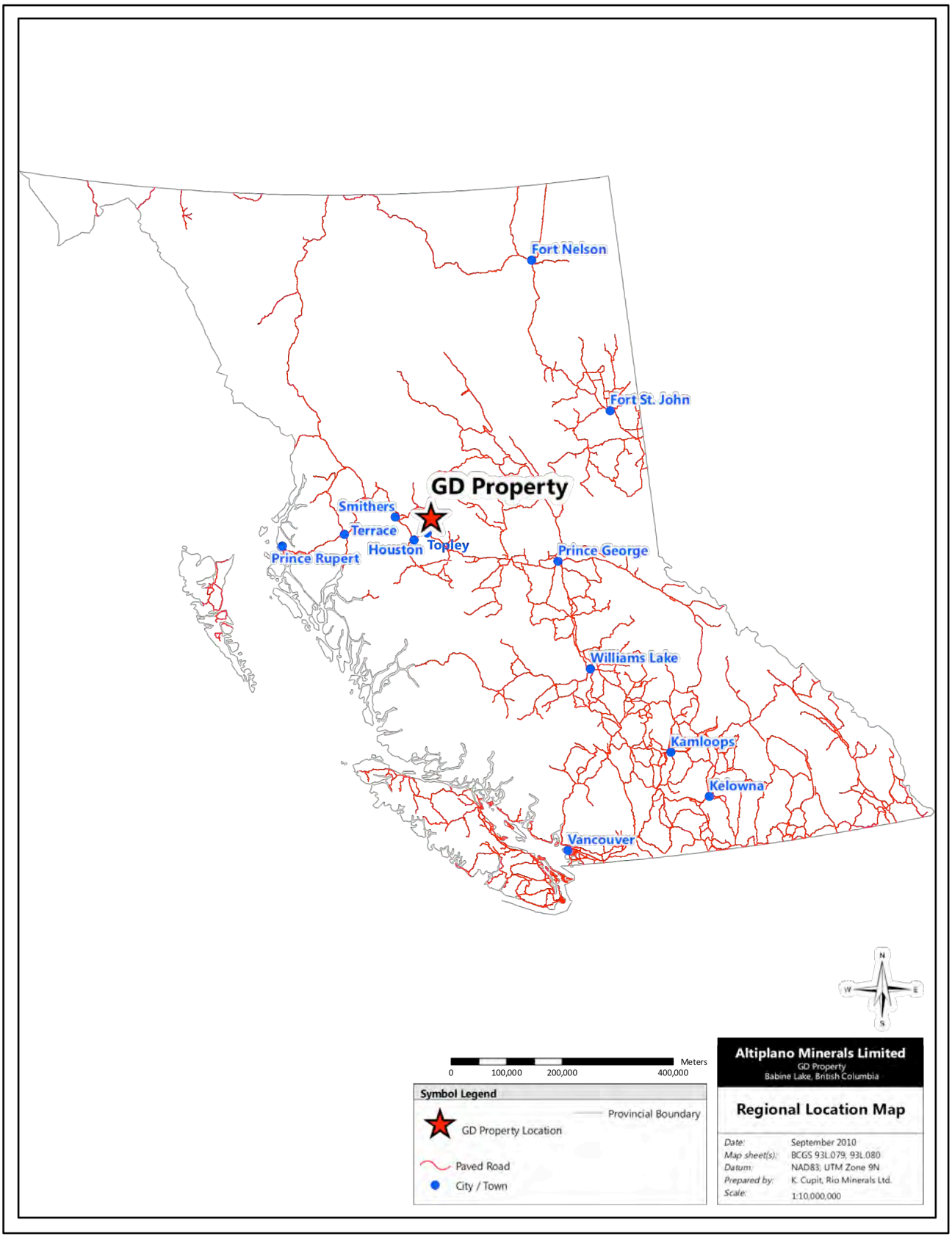


Figure 2: Claim Map for the GD Lake Property

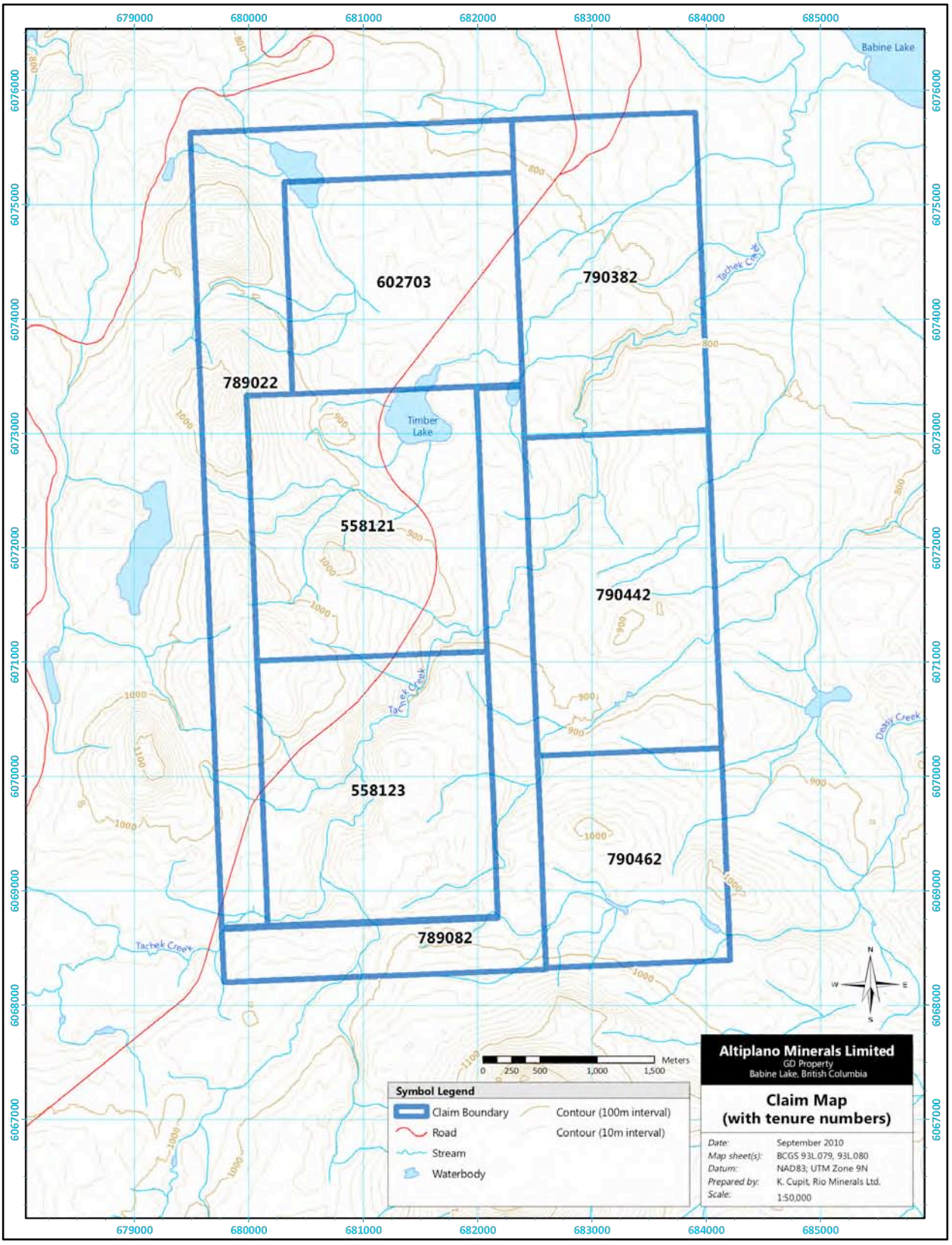
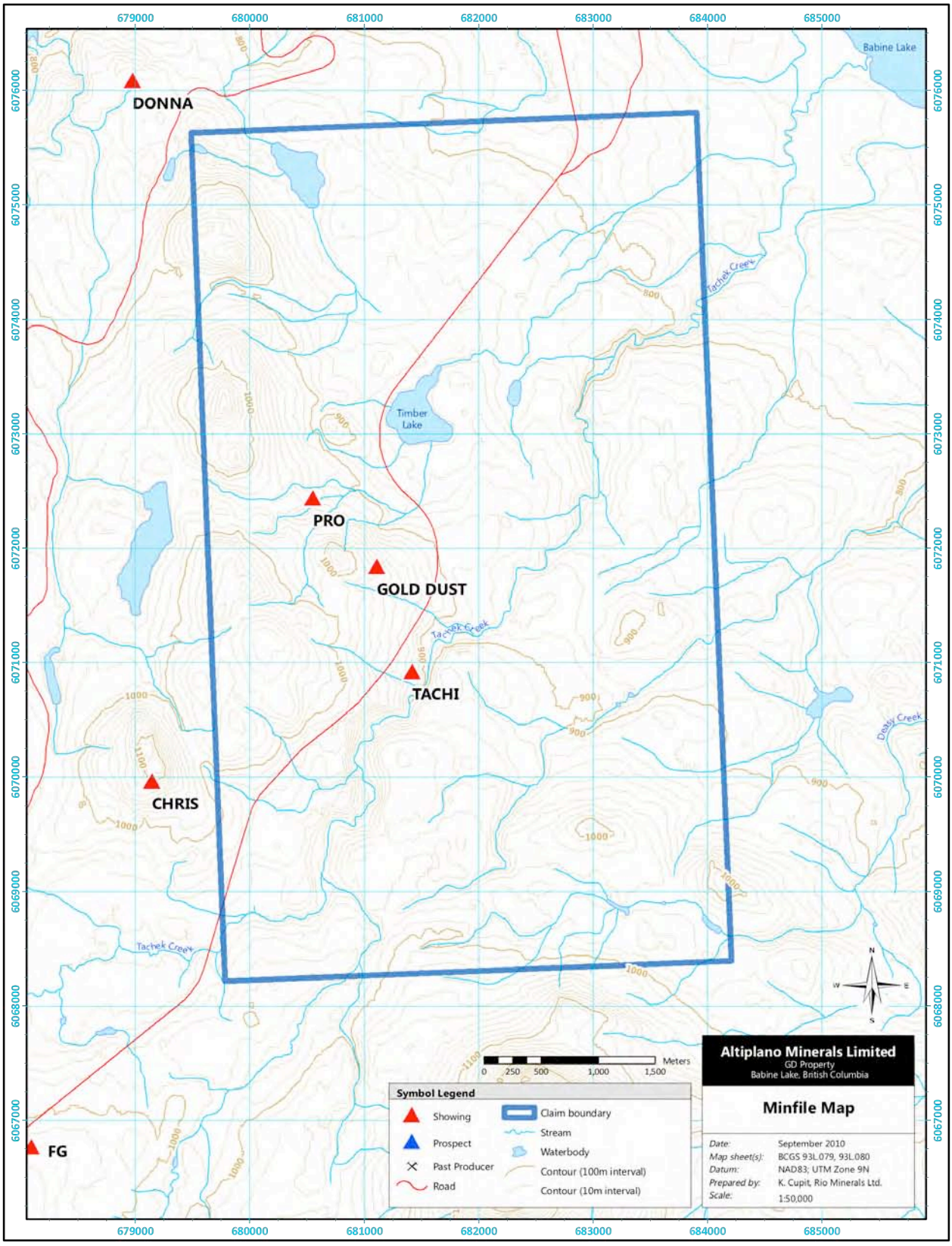


Figure 3: Minfile Map for the GD Lake Property



4 ACCESSIBILITY, CLIMATE, INFRASTRUCTURE & PHYSIOGRAPHY

The main access to the GD Property is along the Granisle Highway approximately thirty-five kilometres northeast from the town of Topley on Highway 16 (Figures 1 & 2). The Granisle Highway passes through the centre of the GD Property. The climate is typical of central British Columbia with winter temperatures averaging -15°C in January with moderate snowfall. Winter conditions can be expected from October to April. A pleasant summer climate is characterized by average temperatures of 20°C and little precipitation.

A B.C. Hydro line right-of-way follows the Granisle Highway also cutting through the GD Property. Abundant water is available for exploration and mining from Tachek Creek and its tributaries. Crew lodgings are available in Topley Landing/Granisle or Houston, BC. A skilled labour force and equipment for mining and exploration is available in nearby Smithers (65 km west) or Prince George (200 km southeast).

Tachek Creek flows in a valley transecting the GD Property from southwest to the northeast flowing generally easterly into Babine Lake and is flanked by rounded mountains with moderate relief. The topography on the property is generally flat with elevations of approximately 800 metres on the GD property; the elevation reaches a maximum of 1300 metres on Shoulder Mountain in the south. Tachek Creek valley was apparently a major pre- and inter-glacial valley that has been filled by layers of till and glacial outwash sands and gravel. The post glacial channel of Tachek Creek and a parallel creek to the east have cut down through this glacial fill into bedrock.

Vegetation consists mainly of pine on the gravel flats with poplar predominant on south slopes and poplar, spruce, willow, aspen and devils-club on north slopes.

Figure 4: Satellite Image of the GD Property Area

5 EXPLORATION HISTORY

The Babine Lake area surrounding the GD Property has been historically known for hosting a significant number of porphyry style mineral occurrences and deposits. The most notable deposits are the Granisle and the Bell Mines (owned and operated by Noranda's Omineca Mining Division), both of which are now closed and on care and maintenance.

Records exist documenting that the specific area of the GD Property has been actively explored by prospectors and mining companies since the mid to late 1960's. Copper and molybdenum mineralization was discovered by local prospectors in Tachek Creek in the central part of the present claim group. Since that time numerous exploration companies have done work in and around the current claim boundaries. The following is a brief summary of known work performed on and in the immediate area of the GD Property. During the initial reports filed the current GD claims were partially held by both Noranda Exploration and Tro-Buttle Exploration Ltd.

- *1968/69 Noranda Exploration Limited*

Mineralization was recognized by prospectors in Tachek Creek and Noranda staked 170 claims to further test the area. In 1968 and 1969 work included: geological mapping, geochemical (soil and silt sampling) and geophysical surveys (both induced polarization and magnetic surveying), road building, 1,725 metres of percussion drilling and 1,015 metres of diamond drilling (Noranda Exploration Report, 1969).

- *1968/69 Tro-Buttle Exploration Ltd.*

A soil survey was undertaken intended to aid in the definition of a porphyry environment. A total of 47 line-miles were blazed, picketed, and flagged and 1267 soil samples were collected (Dirom, 1969). Several anomalous copper and molybdenum values were found, but appeared discontinuous.

- *1970 Taseko Mines Limited*

Taseko Mines Limited completed 3 diamond drill holes totalling 320 metres – reference in another BC Assessment Report – no report filed for Taseko has been found but, this first referenced in Carter, 1988.

- *1970 Tro-Buttle Exploration Ltd.*

A further geochemical survey was mounted to follow up the anomalies discovered in 1969 and complete coverage of the claims held at that time (Alrae Engineering Ltd., 1970). A further 24 line-miles of flagged lines were established and 680 new soil samples were collected. Additional anomalous copper values were identified.

- *1972 Twin Peak Resources Ltd. & Cobre Exploration Ltd.*

In 1972, a geophysical survey was conducted over the Tachek Creek and current claim area. The porphyry copper occurrence of the Smithers-Babine Lake area contains varying amounts of disseminated magnetite associated with biotite alteration such that an airborne magnetic survey was undertaken (Woolverton, 1973). Several areas of magnetic highs were identified.

- *1973 Perry, Knox, Kaufman Inc.*

Geoterrex carried out 11 km of IP surveys and identified two anomalous zones that were recommended for follow-up drill testing (Lloyd, 1973).

- *1973 Amoco Canada Petroleum Company Limited*

On claims immediately north of the present property in 1973, Amoco Canada Petroleum Co. Ltd. carried out geochemistry, geophysics, and 500 metres of diamond drilling in 3 holes (BC Minfile 093L 315).

- *1982 Dancer Energy and Resources Limited*

Limited prospecting and geological mapping was conducted on claims in the general area of the present property in 1977 and further work in 1982 completing a soil geochemical survey over the northern part of the present claims. Target zones were identified by a ground magnetometer survey and induced polarization surveys and subsequently drilled. The drilling encountered sporadic copper and molybdenite mineralization related to a quartz monzonite intrusive (Plicka, 1982).

- *1987/88 Gerard Auger*

Field work included prospecting, geological mapping and the collection of rock samples for geochemical analysis (Carter, 1988).

- *1990 Nick Carter*

Follow-up work including diamond drill testing to define possible copper/molybdenum porphyry targets was proposed (Carter, 1990). Detailed rock sampling and geological mapping was undertaken during this phase of the property's exploration history.

- *1991 Nick Carter*

A VLF-EM survey over 12.5 km was carried out (Carter, 1991). No clear anomalies were identified.

- *1992 Nick Carter*

Sampling of previous diamond drill cores and percussion holes cuttings recovered from previous programs on the Gold Dust II mineral claim indicates low grade, but apparently widespread, copper values. These historic results were accompanied by anomalous gold values (Carter, 1992).

6 GEOLOGICAL SETTING

6.1 Regional Geology

The Babine Lake area is within the Intermontane tectonic belt on the Stikine volcanic arc terrane. Extensive glacial deposits of variable thickness mask much of the bedrock in the region which is principally underlain by Mesozoic layered rocks, the most widespread being clastic volcanic and sedimentary rocks of the Lower to Middle Jurassic Hazelton Group. These are intruded by plutonic rocks of various ages including Late Triassic to Early Jurassic Topley intrusions, Omineca intrusions of Early Cretaceous age, Late Cretaceous rhyolite porphyry stocks, and granodiorite porphyries and Babine intrusions of Early Tertiary age. Small, Early to Middle Jurassic Spike Peak Intrusive Suite, intrusions consisting of granodiorite to quartz monzonite are common on the regional geology map.

This area of the Stikine terrane consists of the following groups (Macintyre et al., 2001); Hazelton Group (Early to Middle Jurassic) consisting of andesitic volcanic, volcaniclastic rocks and related marine sedimentary rocks; Takla Group (Middle to Late Triassic) rocks consisting of augite basalt, andesite, and related marine sedimentary rocks; Asitka Group (Carboniferous to Permian) rocks consisting of island arc metavolcanic rocks and limestones.

The Hazelton Group hosts the GD property. The Hazelton Group is subdivided into four formations (Macintyre et al., 2001)

1) Smithers Formation: sandstones, siltstones and felsic tuffs.

2) Nilkitkwa Formation: subaqueous greenstone, basalt breccias, flows, tuffs, interbedded sedimentary rock.

3) Saddle Hill Formation: undivided subaerial to submarine basalt, andesite, dacite and rhyolite flows, tuffs and related volcaniclastic rocks, maroon to greenish grey weathering, local amygdaloidal and pillowed volcanic.

4) Telkwa Formation: undivided maroon airfall tuffs, feldspar phyric andesite flow and volcanic breccias, amygdaloidal basalt flows, related epiclastic and volcaniclastic rocks.

The Nilkitkwa Formation hosts several types of mineralization, including mesothermal Au-Ag veins, Cu-Zn-Ag massive sulphide and porphyry deposits. Structurally, the area is part of basin-and-range type horst and graben structures. Westward imbricate faulting marks terrane boundaries and is offset by complex Late Cretaceous to Eocene high-angle faults. In addition, broad open folds occur in the area.

Figure 5: GD Property Regional Geology.

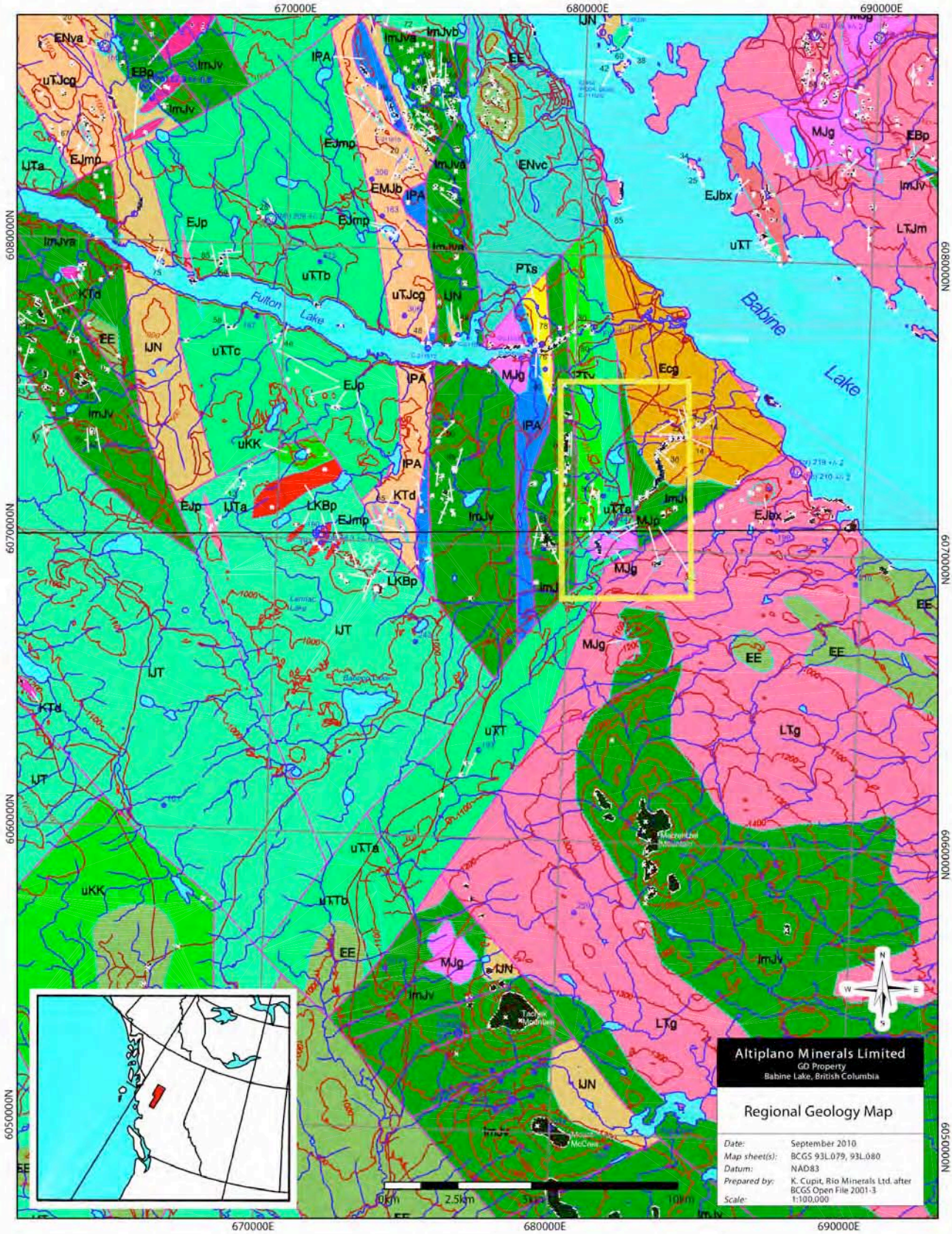
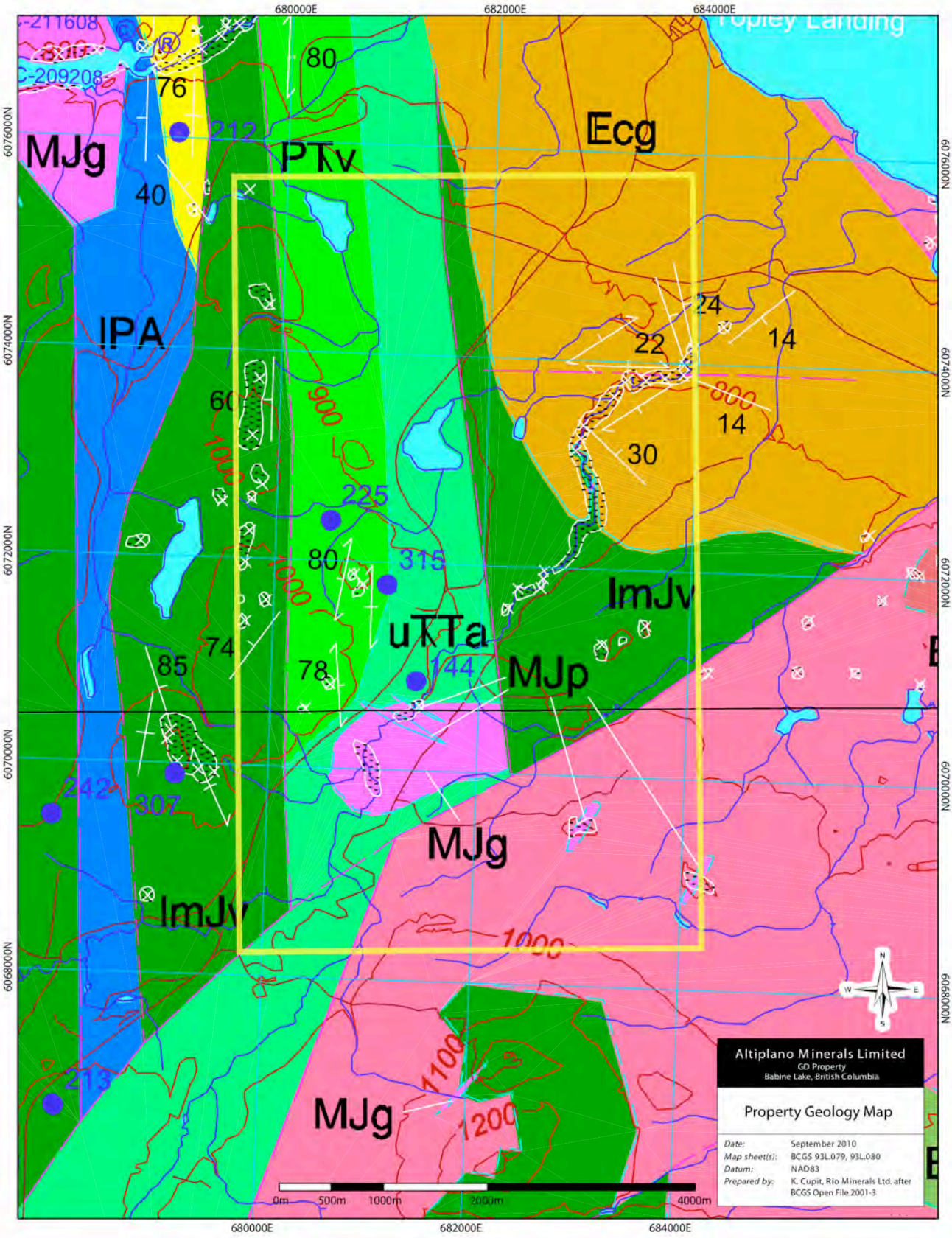


Figure 6: GD Property Area Geology



Lithology Legend

EOCENE

EE — *Endako Group: dark grey, aphyric, amygdaloidal and vesicular basalt flows, minor flow top breccia; bladed plagioclase phyric andesite*

EO — *Ootsa Lake Group: undivided felsic volcanic rocks*

ENv — *Newman Formation: hornblende±biotite-feldspar phyric andesite to dacite flows, breccia and lahar; minor basalt; extrusive equivalent of the Babine Intrusions; isotopic ages 54-50 Ma; ENva. massive, sheet to columnar jointed flows; may include subvolcanic plugs and necks; ENvb. volcanic breccia; ENvc. stratified lahar and volcanic conglomerate; ENvd. fine-grained feldspar phyric andesite or basalt.*

Ecg — *heterolithic boulder to pebble conglomerate, poorly sorted; basal conglomerate to the Newman Formation*

BABINE INTRUSIONS

EBq — *quartz-biotite-plagioclase porphyritic granodiorite to quartz monzonite*

EBp — *biotite±hornblende-plagioclase porphyritic granodiorite; 54-60 Ma Ar-Ar isotopic ages*

EBg — *biotite-hornblende granodiorite to quartz diorite; equigranular to sub-porphyritic*

PALEOCENE TO EOCENE

PEs — *sandstone, siltstone, conglomerate, shale, coaly shale, coal; interbedded tuff, tuffaceous siltstone and fanglomerate; continental, fluvial origin; polymictic; clasts of feldspar and hornblende porphyry, rhyolite, chert, argillite. Eocene palynomorphs*

LATE CRETACEOUS or TERTIARY

KTd — *hornblende±biotite diorite to quartz diorite; minor gabbro; fine to coarse grained*

LATE CRETACEOUS

BULKLEY INTRUSIONS

LKBq — *quartz-biotite-plagioclase porphyritic quartz monzonite, quartz phyric subvolcanic rhyodacite to rhyolite*

LKBp — *biotite-hornblende-plagioclase porphyritic granodiorite to quartz diorite; medium to coarse-grained; 4-8 millimetre biotite "books" common; 78 Ma Ar-Ar and K-Ar isotopic ages at Lennac Lake*

LKBd — *hornblende diorite to gabbro; 83 Ma Ar-Ar isotopic age at the Dorothy prospect*

UPPER CRETACEOUS

KASALKA GROUP

uKK — *hornblende-plagioclase phyric andesite to dacite flows, volcanic breccia and lahar; medium to coarse grained; locally contains clasts of biotite-plagiolcase porphyritic granodiorite of the Bulkley Intrusions*

LOWER TO UPPER CRETACEOUS

SUSTUT GROUP

uKT — *Tango Creek Formation: chert pebble conglomerate, fluvial; locally cross-bedded and channeled; minor quartz sandstone, siltstone and hematitic tuffaceous beds*

SKEENA GROUP

lKS — *undivided Skeena Group; sandstone, siltstone, shale, mudstone, pebble conglomerate*

lKRs — *Red Rose Formation: medium to thick-bedded quartzo-feldspathic sandstone, siltstone, chert-pebble conglomerate; local red weathering siltstone and mudstone interbeds; fluvial to fluvial-deltaic, common detrital muscovite; lower Albian to Cenomanian; in part correlative with the Tango Creek Formation*

mKr — *flow banded feldspar phyric to aphyric rhyolite to rhyodacite, submarine flows, flow breccia and subvolcanic domes*

lKRv — *Rocky Ridge Formation: subaerial to subaqueous augite-plagioclase phyric alkaline basalt to basaltic andesite, plagioclase phyric greenish grey andesite to dacite; dark grey aphyric basalt, green to maroon mafic lapilli tuff, volcanic breccia, minor interbedded shale, siltstone, sandstone and chert pebble conglomerate locally with angular rhyolitic clasts; shale contains Albian macrofossils; 104-108 Ma isotopic ages*

lKsh — *Kitsumkalum shale: black shale with interbedded sandstone, siltstone; locally concretionary and pyritic; Hauterivian to Albian*

lKcg — *Hanawald conglomerate: chert-pebble conglomerate; minor interbedded quartz sandstone and siltstone; fluvial deltaic; locally cross-bedded*

lKK — *Kitsuns Creek Formation: feldspathic and volcanic sandstone, siltstone, shale, mudstone, locally carbonaceous to coal bearing; minor polymictic volcanic clast conglomerate; fluvial to fluvial-deltaic; Berriasian to Hauterivian*

lKv — *undivided felsic and intermediate volcanic rocks; a. biotite-hornblende-plagioclase phyric rhyodacite to dacite flows, subvolcanic intrusions, locally welded; 134 Ma isotopic age*

EARLY CRETACEOUS

EKg — *biotite±hornblende granodiorite to quartz diorite; 104 Ma K-Ar age at Trail Peak*

EKp — *biotite-plagioclase porphyritic quartz monzonite, monzonite and rhyodacite; pink weathering; 124 Ma Ar-Ar age estimate at Wedge Mountain*

MIDDLE TO UPPER JURASSIC

BOWSER LAKE GROUP

uJTC — *Trout Creek Formation: polymictic pebble to boulder conglomerate containing chert, quartz, volcanic and granitic clasts; minor interbedded wacke, siltstone, shale and coal; fluvial-deltaic to shallow marine; locally contains Upper Oxfordian macrofossils*

muJA — *Ashman Formation: feldspathic wacke to dark grey, thin-bedded siltstone and shale; coarse-grained, shallow water marine facies containing latest Bathonian to early Oxfordian ammonites and bivalves*

EARLY TO MIDDLE JURASSIC

SPIKE PEAK INTRUSIVE SUITE

EMJb — *basalt dikes; possible feeders to Saddle Hill volcanics; strong epidote alteration typical*

MJd — *hornblende diorite to quartz diorite; medium grained, greenish grey, locally foliated (178 Ma)*

MJg — *biotite-hornblende granodiorite to quartz monzonite; medium to coarse grained; grey to salmon weathering (179-176 Ma)*

MJp — *Tachek Creek Phase: biotite-hornblende-plagioclase porphyritic granodiorite to quartz diorite, (178-176 Ma)*

GD Property Claim Boundary

LOWER TO MIDDLE JURASSIC

HAZELTON GROUP

mJS — *Smithers Formation: marine, shallow-water feldspathic sandstone, siltstone, feldspathic wacke; locally glauconitic and limy; minor ash, crystal and lapilli tuff, volcanic breccia, volcanic-pebble conglomerate, limestone; very fossiliferous; early Bajocian to early Bathonian*

lmJr — *white weathering, flow banded feldspar phyric dacite to rhyolite domes, flows and extrusive breccia; part of Saddle Hill volcanic succession*

lmJv — *Saddle Hill volcanics: undivided subaerial to submarine basalt, andesite, dacite and rhyolite flows, tuffs and related volcaniclastic rocks; lmJva. maroon to greenish grey weathering feldspar phyric lapilli, crystal and ash tuff, volcanic breccia, lahar, tuffaceous mudstone, siltstone and conglomerate, grey ash flow tuff and feldspar phyric dacite to rhyolite domes and flows, locally contains angular clasts of flow banded rhyolite and pink weathering Topley intrusions (Wright Bay facies); lmJvb. brown weathering, green to greenish grey feldspar phyric basaltic flows, volcanic breccia, aquagene tuff, hyaloclastite, peperite breccia,locally amygdaloidal and pillowed; local flow banded rhyolite domes and interbeds of limy siltstone and limestone containing Toarcian macrofossils; intense epidote and chlorite alteration in places; lmJvc. green, brown and maroon weathering mafic and felsic volcanic clast conglomerate, feldspathic wacke, dark grey siltstone, chert, lapilli tuff; lmJvd. thick bedded, hornblende-augite-plagioclase phyric amygdaloidal andesite flows with trachytic texture defined by bladed plagioclase phenocrysts to 3 centimetres (Wedge Mountain facies); Toarcian to Aalenian, 184 to 174 Ma isotopic ages*

lJA — *Nilkitkwa Formation, Ankwell Member: subaqueous greenstone, basalt breccia, flows, tuffs, interbedded Toarcian sedimentary rocks*

lJN — *Nilkitkwa Formation: shallow to deep marine feldspathic wacke, siltstone and conglomerate; well-bedded; contains upper Sinemurian to Toarcian macrofossils*

lJT — *Telkwa Formation: undivided maroon air fall tuffs, feldspar phyric andesite flows and volcanic breccia, amygdaloidal basalt flows, related epiclastic and volcaniclastic rocks; Sinemurian; a. andesitic lapilli, crystal and ash tuff, maroon to greenish grey, medium to thick bedded, minor feldspar phyric andesite flows; b. dark grey to maroon amygdaloidal basalt flows and flow top breccia*

UPPER TRIASSIC TO LOWER JURASSIC

uTJcg — *polymictic pebble to boulder conglomerate, brown, maroon and red weathering, poorly-sorted, matrix supported, contains rounded to subrounded augite-plagioclase phyric basalt, limestone, chert and granitic clasts; locally contains brown siltstone rip up clasts; clasts derived from Takla and Asitka groups; interbedded with maroon to red weathering feldspathic wacke and siltstone*

LATE TRIASSIC TO EARLY JURASSIC

TOPLEY INTRUSIVE SUITE

EJtbx — *Nose Bay intrusive breccia; clasts of Topley intrusive suite and Takla volcanics in a greenish grey, chloritic basalt matrix*

EJmp — *megacrystic feldspar porphyry dikes; probably comagmatic with porphyritic flows in the upper Takla volcanic succession; may also be comagmatic with megacrystic flows in the Saddle Hill volcanic succession*

EJp — *biotite-hornblende-plagioclase porphyritic granodiorite; 194 Ar-Ar isotopic age*

LTJm — *granodiorite to monzonite, fine-grained, equigranular to feldspar porphyritic; pink to salmon weathering*

LTJT — *undivided granitic rocks*

LTg — *biotite-hornblende-plagioclase granodiorite, quartz diorite; medium to coarse grained; equigranular to megacrystic; equant feldspar phenocrysts to 3 centimetres, grey to pink weathering; 218 Ma U-Pb isotopic age*

UPPER TRIASSIC

TAKLA GROUP

uTT — *undivided pyroxene phyric basalt, andesite, marine sedimentary rocks; uTTa: siltstone, mudstone, minor limestone, dark grey to black, graphitic and calcareous, medium-bedded (=Dewar Peak Formation); uTTb. pyroxene-plagioclase and pyroxene-hornblende-plagioclase phyric basalt to andesite flows, volcanic breccia and volcanic conglomerate, thick bedded, green to greenish grey, 208 Ar-Ar isotopic age (=Savage Mountain Formation); uTTc. graphitic siltstone, feldspathic wacke, argillaceous limestone, siliceous mudstone, chert-limestone clast conglomerate, andesite lapilli tuff; medium to thin bedded, brown and dark grey weathering (=Moosevale Formation); mainly Norian in age*

PERMIAN TO TRIASSIC

PTs — *medium bedded chert, siltstone, limestone, graphitic phyllite, chlorite schist; Middle Triassic radiolarians in chert (may be lower Takla Group)*

PTv — *metavolcanic rocks; chlorite and chlorite-sericite phyllite and schist, minor argillaceous limestone, graphitic schist; moderate to strong foliation; in whole or in part deformed Takla and/or Asitka Group volcanics*

LOWER PERMIAN

ASITKA GROUP

lPA — *massive, grey, bioclastic limestone; argillaceous, thin bedded, recrystallized limestone with chert nodules; Sakmarian and Artinskian conodonts*

SYMBOLS

Stratigraphic contact
- defined
- approximate
- inferred

Fault contact
- defined
- approximate
- inferred

Anticline

Syncline

Bedding: overturned

Bedding: inclined, vertical

Slaty cleavage, schistosity: inclined, vertical

Joints: inclined, vertical

Minor fold axis

Flow banding

Fossil location: age determined (with GSC number)
- macrofossil, conodonts, radiolarian

Field station

Mineral occurrence with MINFILE number (prefix 93M or 93L)
- past producer (abandoned mine)
- developed prospect
- prospect
- showing

Stratabound Sulphide Zone

Isotopic age locality (age in millions of years before present)
- U-Pb zircon
- Ar-Ar (hb=hornblende; bt=biotite; wr=whole rock)

Area of outcrop

Roads

Railway

7 DEPOSIT TYPES

This region is known for its potential for large porphyry copper, copper/gold, copper/molybdenum and molybdenum deposits some of which have been developed as producing mines such as the Granisle and Bell Copper Mines. Mineral deposit types present in the region are classified as porphyry and epigenetic characterized by disseminated, vein and breccias hydrothermal systems. Currently two operating mines are found in the region:

1) Huckleberry: Cu, Mo, and Au Porphyry Mine: operated by Imperial Metals Corp. located approximately 125 road kilometres from Houston or 150 kilometres from Topley. Most of the mine's work force live in communities of Houston, Smithers, Topley and Burns Lake.

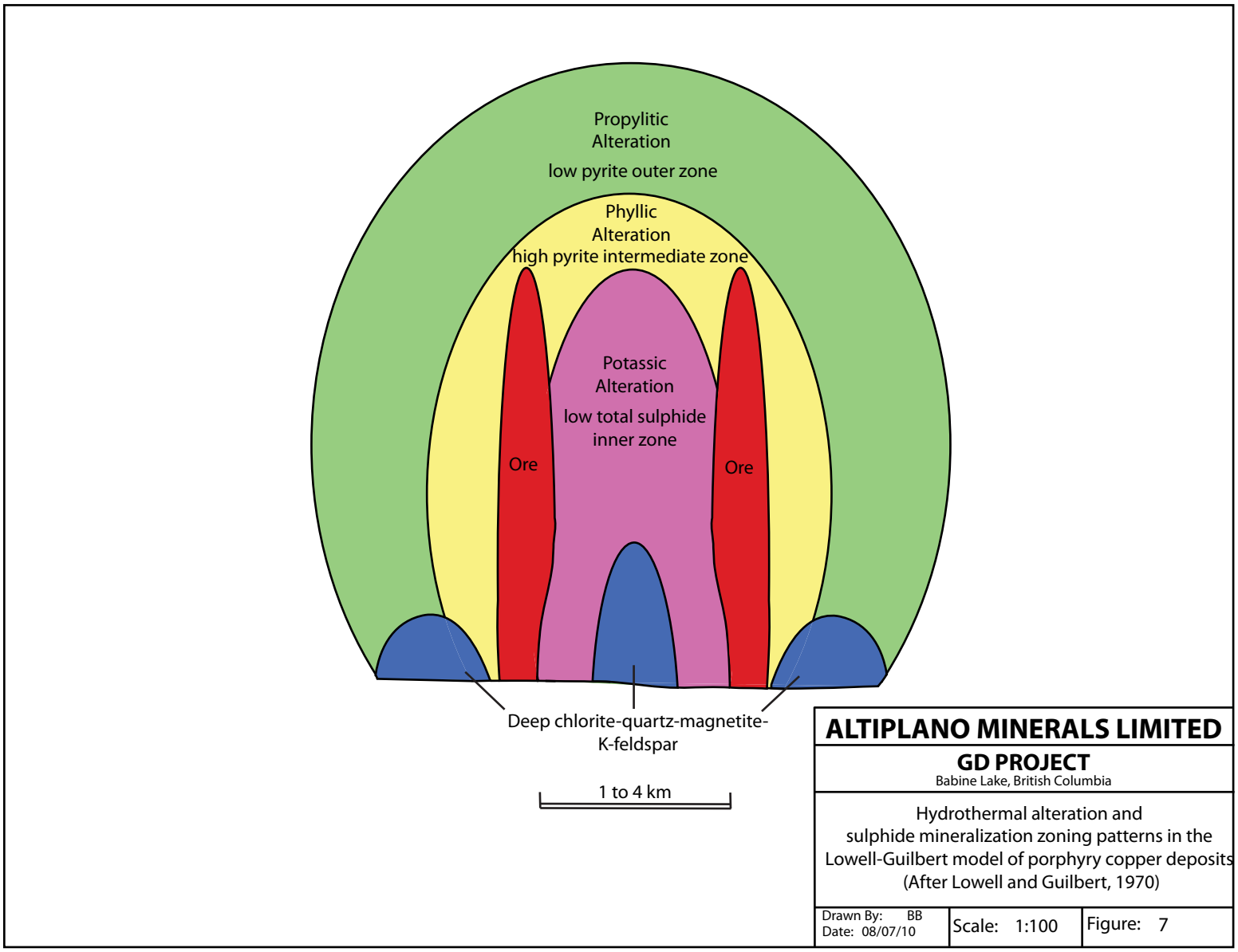
2) Endako: Mo Porphyry Mine: approximately 100 km east-southeast of Topley, and serviced by towns of Fraser Lake and Prince George, B.C.

These types of bulk-mineable deposits are well recognized and commercially exploited in British Columbia. They are often comprised of large zones of hydrothermally altered porphyritic intrusion and wall-rock containing quartz veins and stockworks, sulphide-bearing veinlets, fractures and lesser disseminations. Multiple emplacements of successive intrusive phases are commonly recognized in this type of deposit, and dykes and breccias of pre, intra, and post-mineralization may modify the stocks shape. Fracturing generally provides the focal point for ore-grade vein stockworks.

Mineralization is often dominated by pyrite with lesser chalcopyrite, molybdenite, bornite and magnetite. Disseminated sulphide minerals may be present but are generally minor. Ore minerals are chalcopyrite, molybdenite, lesser bornite and chalcocite. Associated supergene zones carry secondary sulphides including chalcocite and covellite. Native copper and copper oxide, carbonate and sulphate minerals are often also recognized.

The main ages of mineralization recognized from similar deposit studies in British Columbia are Triassic/Jurassic (210-180 Ma) and Cretaceous/Tertiary (85-45 Ma). Calc-alkaline porphyry copper-molybdenum deposits are similar in style and setting and probably genetically related to several other types of deposits, including skarn Cu, porphyry Au, and low-sulphidation type Au-Ag deposits (From the BC Mineral Deposit profile – Panteleyev, 1995).

Figure 7: GD Property Model



8 MINERALIZATON

Copper mineralization and related secondary copper oxide minerals and other sulphides observed on the GD claims include, in order of abundance: malachite, chalcopyrite, magnetite, pyrite, molybdenite, azurite and bornite. These minerals are consistent with a widespread copper/molybdenite porphyry system on the GD claims. The mineralized porphyry system extends, in areas mapped, from Tachek Creek north to Tachek Creek south, a north-south distance of approximately 1125 metres. The width of copper mineralization at Tachek Creek north (Figure 10), based on exposed outcrops and limited mapping, is approximately 110 metres wide. At Tachek Creek south-east (Figure 12) copper mineralization was mapped, from limited exposed outcrop, over a width of approximately 150 metres.

Copper mineralization is hosted almost exclusively within Early to Middle Jurassic Spike Peak Intrusive Suite quartz monzonite rocks. Three types of controls on copper mineralization were observed within the quartz monzonite intrusive rocks on the GD claims.

1) Fracture controlled copper mineralization consisting of malachite and chalcopyrite is most common on the GD claims. Less common are fractures containing molybdenite and azurite that were mapped in Tachek Creek north and to a lesser extent in Tachek Creek south. Magnetite is common in Tachek Creek north (disseminated/along fractures) and is a common constituent of potassic alteration zones in porphyry deposits such as Island Copper Mine, British Columbia. High concentrations of magnetite are common in gold-rich porphyry deposits. The hydrothermal deposition in fracture fillings indicate the presence of base metals thus there is a possibility of porphyry type deposition.

2) Fault controlled copper mineralization consisting of chalcopyrite, malachite, molybdenite, azurite and associated magnetite was observed in both north and south Tachek Creek but is most common in the northern regions of Tachek Creek north. Numerous faulting on the GD property has localized high concentrations of copper mineralization along fault planes extending up to approximately 2 metres into the quartz monzonites on either side of the fault plane. These zones are typically gossanous and contain up to trace to 2% disseminated chalcopyrite, weak to strong malachite (to a lesser extent azurite) and tr-1% molybdenite. High concentrations of blebby magnetite are common within these faulted zones. Pinkish zeolite and very weak calcite fill fractures near strongly faulted zones.

3) Dykes and dyke swarms usually occur in zones of weakness produced by earlier faulting and tend to concentrate copper mineralization. Here, copper mineralization and sulphides (chalcopyrite, pyrite, molybdenite, and malachite) increase marginal to porphyry and diabase dykes. These dykes have sharp contacts and chill margins. Trace amounts of copper mineralization consisting of malachite and chalcopyrite were seen in diabase and crowded porphyry dykes as disseminations and along fractures.

Two types of rare mineralized veinlets were mapped at Tachek Creek north. Firstly, a single quartz-chlorite veinlet approximately three centimetres wide contained trace chalcopyrite. The quartz ranges in texture from massive white quartz to vuggy-drusy quartz. Secondly, a single vuggy-drusy quartz carbonate veinlet mineralized with malachite and chalcopyrite was mapped and is two centimetres wide. Semi-massive to massive chalcopyrite stringers and blebs about 1-2 centimetres wide were observed in float within Tachek Creek north.

Other deposit types in the area include narrow veins with base and precious metal values, which commonly occur marginal to known porphyry deposits, and disseminated copper mineralization in Hazelton Group volcanic rocks. Deposits with volcanogenic massive sulphide affinities and containing precious metal values include Topley-Richfield located 10 kilometres north of Topley, the Red prospect located 5 kilometres northeast of the dormant Granisle mine and the Fireweed silver-lead-zinc prospect located 12 kilometres west of the Bell Copper mine.

9 2010 EXPLORATION PROGRAM

Between July 17 to August 2, 2010, Rio Minerals Limited, on behalf of Altiplano Minerals Limited, enacted a field program consisting of continuous rock chip sample trenching, prospecting/rock sampling, geological mapping (Tachek Creek north and south/detailed mapping of trenches) and soil sampling. Houston, B.C. acted as the base of operations for the duration of the program. Fieldwork consisted of the collection of 84 continuous rock chip samples, 2 float rock samples, 2 grab rock sample from outcrop and 520 soil samples taken generally in the vicinity of Tachek Creek north and south.

The field crew for the 2010 exploration program was supplied by Rio Minerals Limited of Vancouver, B.C. and North-South American Geoscience (Brian Malahoff) of Richmond, B.C. and consisted of the following personnel: Brian Malahoff P.Geo., Bruce Brownlee, Andrew Molnar, Riley Molnar, Christopher Monaghan and Ted Archibald.

Brian Malahoff P.Geo. conducted geological fieldwork with the assistance of Bruce Brownlee of Rio Minerals Limited, Vancouver, B.C. Goals for the field season were to verify and to compile previous geological work and to outline possible drill targets. Geological fieldwork consisted of 1:500 scale mapping of outcrops in Tachek Creek north and south focusing on structure and controls on mineralization. Secondly, continuous chip sampling of mineralized outcrops and detailed mapping (1:100 scale) of the chip trenches was done. Figures 10 to 23 display the results of mapping carried out during the 2010 exploration program and Appendix E contains a compilation of previous fieldwork.

9.1 GEOLOGICAL MAPPING

Detailed geological investigations were conducted over the GD claims during the month of July (19-31), 2010. The investigations focused on geological mapping with emphasis on structure, controls on mineralization and continuous chip sampling of mineralized outcroppings. Bedrock is reasonably well exposed along sections of Tachek Creek north and outcroppings are less exposed along Tachek Creek south. Overburden on the GD property consists of layers of sand, clay, gravel, and glacial till which are 30-40 metres thick throughout much of the areas that were previously drilled.

Property Geology

The oldest rocks underlying the property are chloritic / sericitic schists and greenstone of the Early Permian to Middle Triassic Asitka and/or Takla Groups. The schists are variably deformed and feature north-trending, steeply dipping schistosities. Intercalated with the schists and bordering them on the west are mainly massive andesites (greenstones) which are locally weakly schistose. Chlorite and sericite schists in the northern parts of the claims contain numerous quartz veins ranging in width from several centimetres to 0.5 metres. The veins, which occupy northerly trending planes of schistosity, commonly pinch and swell but appear to be continuous along strike. Locally, the veins border on pegmatite with some potassium feldspar, but generally they are milky white with some possible manganese staining. Argillaceous siltstones are included in this volcanic and metamorphic sequence of rocks, and underlie the drift-cover area between the Spike Peak Intrusive Suite (granitic quartz monzonite) and the Granisle highway-power line on the claims. These rocks are not exposed but were intersected by 3 historic diamond drill holes in 1973 (Amoco Canada Petroleum Company).

Intrusions of Late Triassic to Early Jurassic Topley Intrusive Suite rocks are exposed in the south-east corner of the property. These intrusive rocks were not investigated during the 2010 exploration program but the intrusive should be tested by reconnaissance soil lines for any signs of copper mineralization or hidden younger intrusions of the Spike Peak Intrusive Suite that hosts the copper mineralization on the GD claims. Topley intrusive rocks are described as medium to coarse grained biotite-hornblende-plagioclase granodiorite to quartz diorite (Macintyre et al., 2001).

Intrusions of Early to Middle Jurassic Spike Peak Intrusive Suite (generally granitic quartz monzonite) are exposed in two areas along Tachek Creek (north, south) and host most of the copper mineralization on the GD property. In Tachek Creek north, light grey to pink granodiorite to quartz monzonite feature steeply dipping west-northwest and east-northeast fractures. Crowed texture quartz-hornblende-biotite-feldspar porphyry dykes, 2-10 metres wide, intrude the granitic rocks and trend west-northwest, parallel to one of the principal fracture directions within the granitic rocks. A radiometric age of 176 Ma was obtained from one of these porphyry dykes (Carter, 1981). Basic dykes, moderately to strongly magnetic and up to over 4 metres wide, were also noted cutting granitic rocks in Tachek Creek.

These dykes, believed to be of post-mineral or Tertiary age, have chilled margins and some occupy the northerly trending fracture set. The southern exposure area in Tachek Creek features variably weathered, mineralized granitic rock cut by the fractures with the same orientation as those in the northern area. The contact between the granitic rocks and the volcanic-sedimentary sequence is not exposed and is based largely on data obtained from drilling performed in 1973.

The youngest rocks on the property are Lower to Middle Jurassic Hazelton Group volcanic rocks that unconformably overlie older rocks. The volcanic rocks include green andesite and maroon basalt and generally outcrop to the west of the Granisle highway.

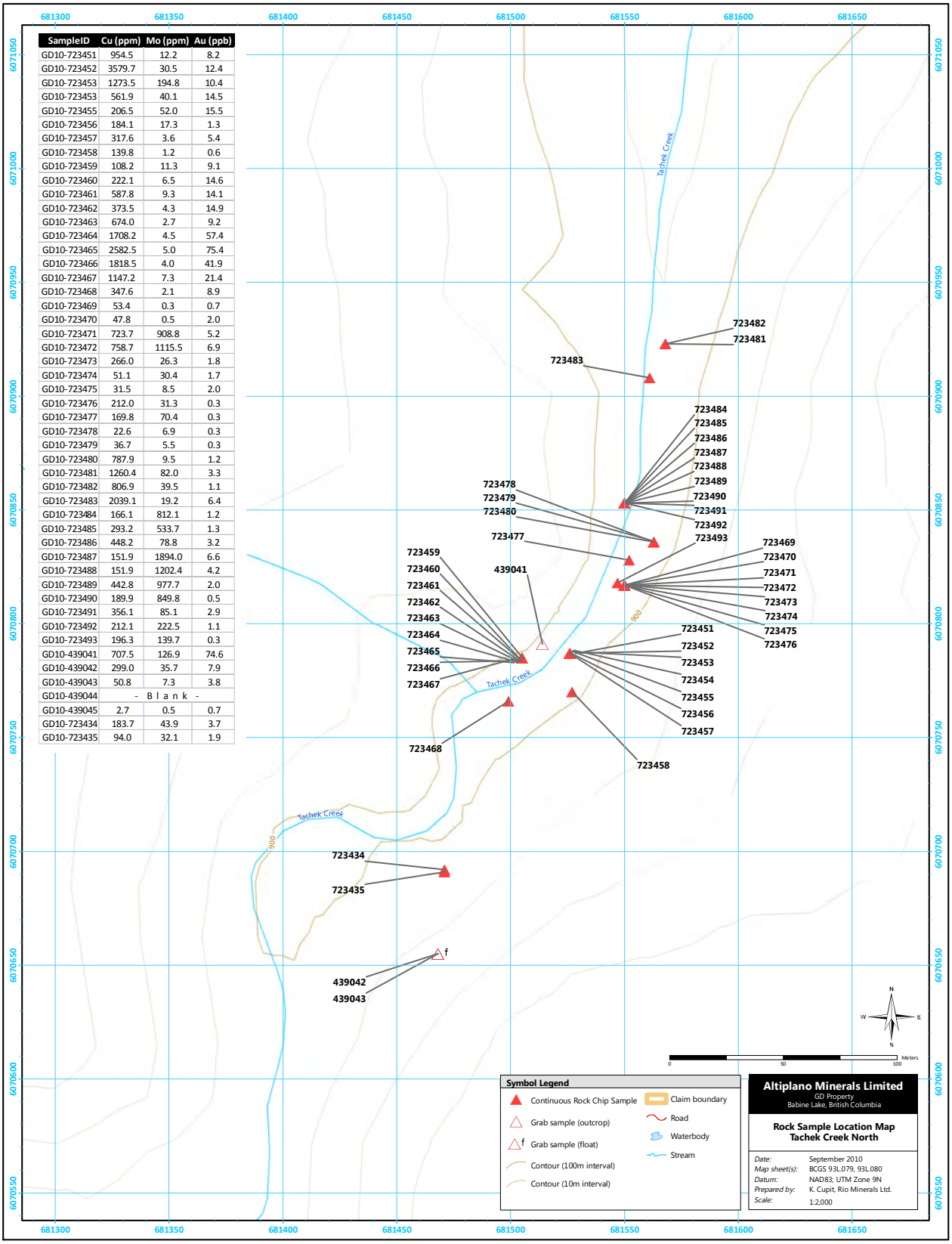
Detailed Geology (Tachek Creek North/South)

The oldest rocks exposed in Tachek Creek north and south are intrusive rocks of the Middle Jurassic Spike Peak Intrusive Suite (Quartz Monzonite Phase granodioritic intrusive rocks). The intrusive rock typically seen in the north and south regions is quartz monzonite (granitic) in composition. This quartz monzonite unit is generally medium grained, weakly magnetic, moderately dark grey, pinkish to salmon coloured weathering. A greenish tinge to the intrusive rock is a result of alteration minerals consisting of chlorite/epidote and a patchy pinkish colour may be a result of potassium feldspar alteration. Estimated percentages of minerals within the quartz monzonite include approximately 80% feldspar, 15% quartz, and 5% biotite (estimated percentages of light colour minerals are very subjective since no staining for potassium feldspar was performed, different types of feldspar are grouped as feldspar in general). The Spike Peak Intrusive Suite is cut by many younger (Early-Middle Jurassic?) porphyry and diabase dykes.

In Tachek Creek north, two types of dykes were seen in areas mapped. Firstly, the diabase dyke is most common and it is generally fine grained, moderately to strongly magnetic and medium to dark grey, greenish in colour. Secondly, the quartz-hornblende-biotite-feldspar porphyry dyke with approximately 40% feldspar is generally dark grey- black in colour.

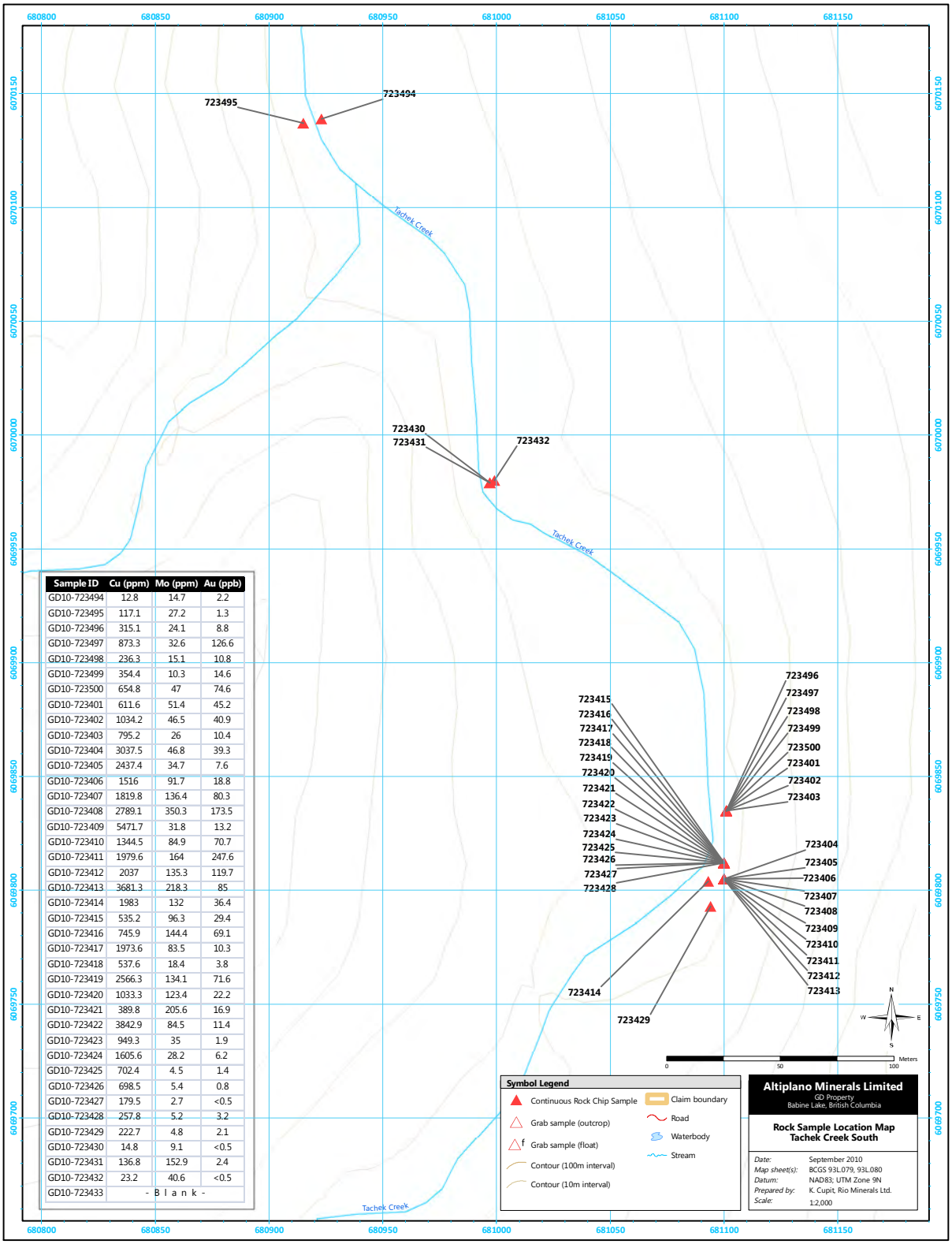
In Tachek Creek south, two types of dykes intrude the quart monzonite and a third dyke (andesitic) intrudes what is thought to be a feldspar-hornblende-quartz eye porphyry dyke (dyke or possible small stock). First and most common is the feldspar-hornblende-quartz eye porphyry dyke. This dyke is feldspar rich and pinkish red in colour. A greenish tinge is due to chloritized hornblende. Estimated mineral concentrations include 85% feldspar, 12% hornblende and 3% quartz eyes. Secondly, a crowed porphyry dyke with 65% feldspar, 30% quartz, and 5% biotite was observed and is dark grey in colour. Thirdly, an andesitic to mafic dyke intrudes the feldspar-hornblende-quartz eye porphyry dyke. This andesitic dyke is fine grained, weakly magnetic and grey, greenish in colour. Noticeable absent, where mapped, in the south Tachek Creek region are the common diabase dykes.

Figure 8: Rock Sample Locations Tachek Creek (north) with Assays (Cu, Mo, Au)



SampleID	Cu (ppm)	Mo (ppm)	Au (ppb)
GD10-723451	954.5	12.2	8.2
GD10-723452	3579.7	30.5	12.4
GD10-723453	1273.5	194.8	10.4
GD10-723453	561.9	40.1	14.5
GD10-723455	206.5	52.0	15.5
GD10-723456	184.1	17.3	1.3
GD10-723457	317.6	3.6	5.4
GD10-723458	139.8	1.2	0.6
GD10-723459	108.2	11.3	9.1
GD10-723460	222.1	6.5	14.6
GD10-723461	587.8	9.3	14.1
GD10-723462	373.5	4.3	14.9
GD10-723463	674.0	2.7	9.2
GD10-723464	1708.2	4.5	57.4
GD10-723465	2582.5	5.0	75.4
GD10-723466	1818.5	4.0	41.9
GD10-723467	1147.2	7.3	21.4
GD10-723468	347.6	2.1	8.9
GD10-723469	53.4	0.3	0.7
GD10-723470	47.8	0.5	2.0
GD10-723471	723.7	908.8	5.2
GD10-723472	758.7	1115.5	6.9
GD10-723473	266.0	26.3	1.8
GD10-723474	51.1	30.4	1.7
GD10-723475	31.5	8.5	2.0
GD10-723476	212.0	31.3	0.3
GD10-723477	169.8	70.4	0.3
GD10-723478	22.6	6.9	0.3
GD10-723479	36.7	5.5	0.3
GD10-723480	787.9	9.5	1.2
GD10-723481	1260.4	82.0	3.3
GD10-723482	806.9	39.5	1.1
GD10-723483	2039.1	19.2	6.4
GD10-723484	166.1	812.1	1.2
GD10-723485	293.2	533.7	1.3
GD10-723486	448.2	78.8	3.2
GD10-723487	151.9	1894.0	6.6
GD10-723488	151.9	1202.4	4.2
GD10-723489	442.8	977.7	2.0
GD10-723490	189.9	849.8	0.5
GD10-723491	356.1	85.1	2.9
GD10-723492	212.1	222.5	1.1
GD10-723493	196.3	139.7	0.3
GD10-439041	707.5	126.9	74.6
GD10-439042	299.0	35.7	7.9
GD10-439043	50.8	7.3	3.8
GD10-439044	- Blank -		
GD10-439045	2.7	0.5	0.7
GD10-723434	183.7	43.9	3.7
GD10-723435	94.0	32.1	1.9

Figure 9: Rock Sample Locations Tachek Creek (south) with Assays (Cu, Mo, Au)



Sample ID	Cu (ppm)	Mo (ppm)	Au (ppb)
GD10-723494	12.8	14.7	2.2
GD10-723495	117.1	27.2	1.3
GD10-723496	315.1	24.1	8.8
GD10-723497	873.3	32.6	126.6
GD10-723498	236.3	15.1	10.8
GD10-723499	354.4	10.3	14.6
GD10-723500	654.8	47	74.6
GD10-723401	611.6	51.4	45.2
GD10-723402	1034.2	46.5	40.9
GD10-723403	795.2	26	10.4
GD10-723404	3037.5	46.8	39.3
GD10-723405	2437.4	34.7	7.6
GD10-723406	1516	91.7	18.8
GD10-723407	1819.8	136.4	80.3
GD10-723408	2789.1	350.3	173.5
GD10-723409	5471.7	31.8	13.2
GD10-723410	1344.5	84.9	70.7
GD10-723411	1979.6	164	247.6
GD10-723412	2037	135.3	119.7
GD10-723413	3681.3	218.3	85
GD10-723414	1983	132	36.4
GD10-723415	535.2	96.3	29.4
GD10-723416	745.9	144.4	69.1
GD10-723417	1973.6	83.5	10.3
GD10-723418	537.6	18.4	3.8
GD10-723419	2566.3	134.1	71.6
GD10-723420	1033.3	123.4	22.2
GD10-723421	389.8	205.6	16.9
GD10-723422	3842.9	84.5	11.4
GD10-723423	949.3	35	1.9
GD10-723424	1605.6	28.2	6.2
GD10-723425	702.4	4.5	1.4
GD10-723426	698.5	5.4	0.8
GD10-723427	179.5	2.7	<0.5
GD10-723428	257.8	5.2	3.2
GD10-723429	222.7	4.8	2.1
GD10-723430	14.8	9.1	<0.5
GD10-723431	136.8	152.9	2.4
GD10-723432	23.2	40.6	<0.5
GD10-723433	- B l a n k -		

Figure 10: Tachek Creek Geology Map (north) with Rock Chip Trench Locations

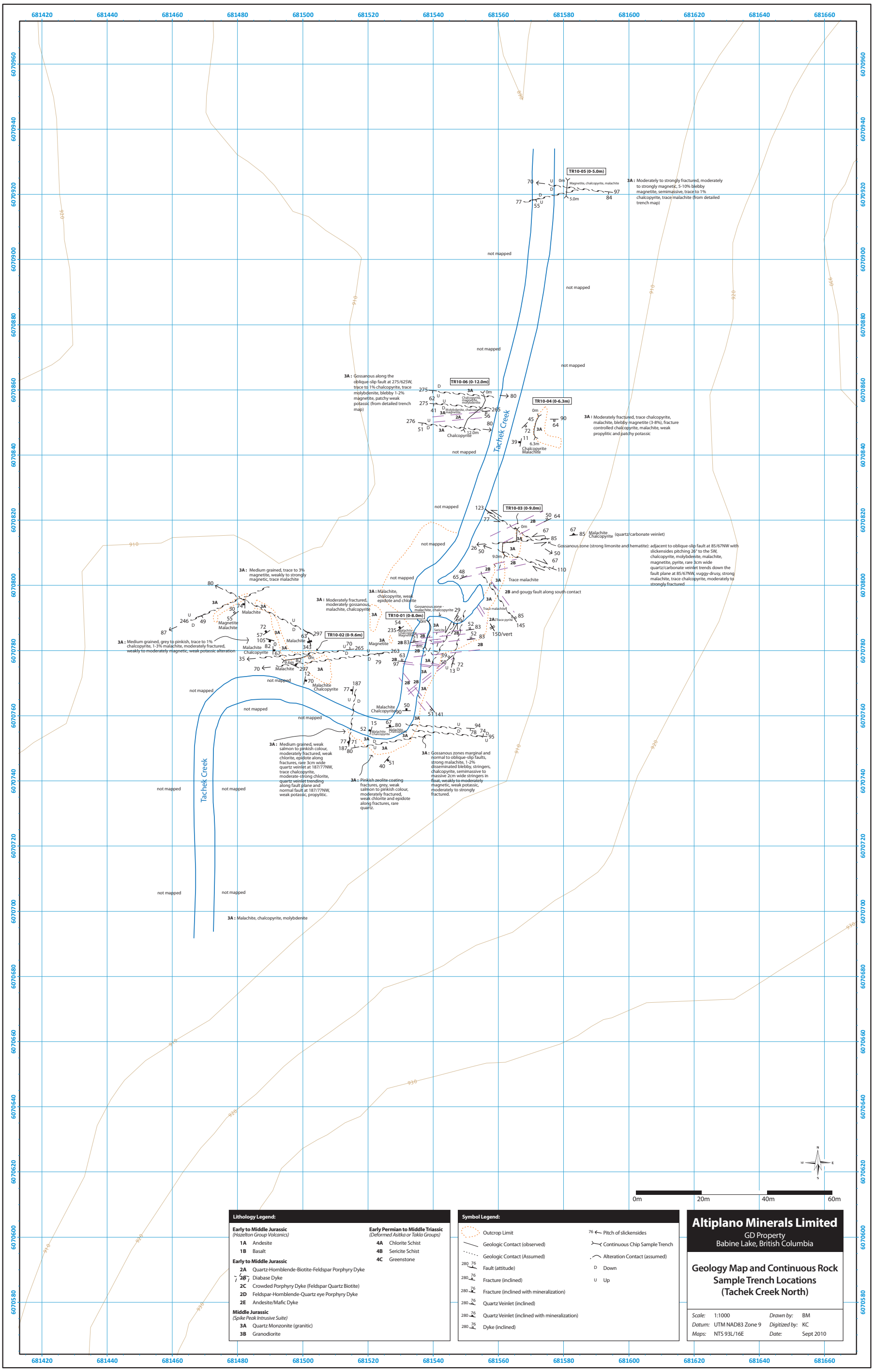


Figure 11: Tachek Creek Geology Map (south-west) with Rock Chip Trench Locations

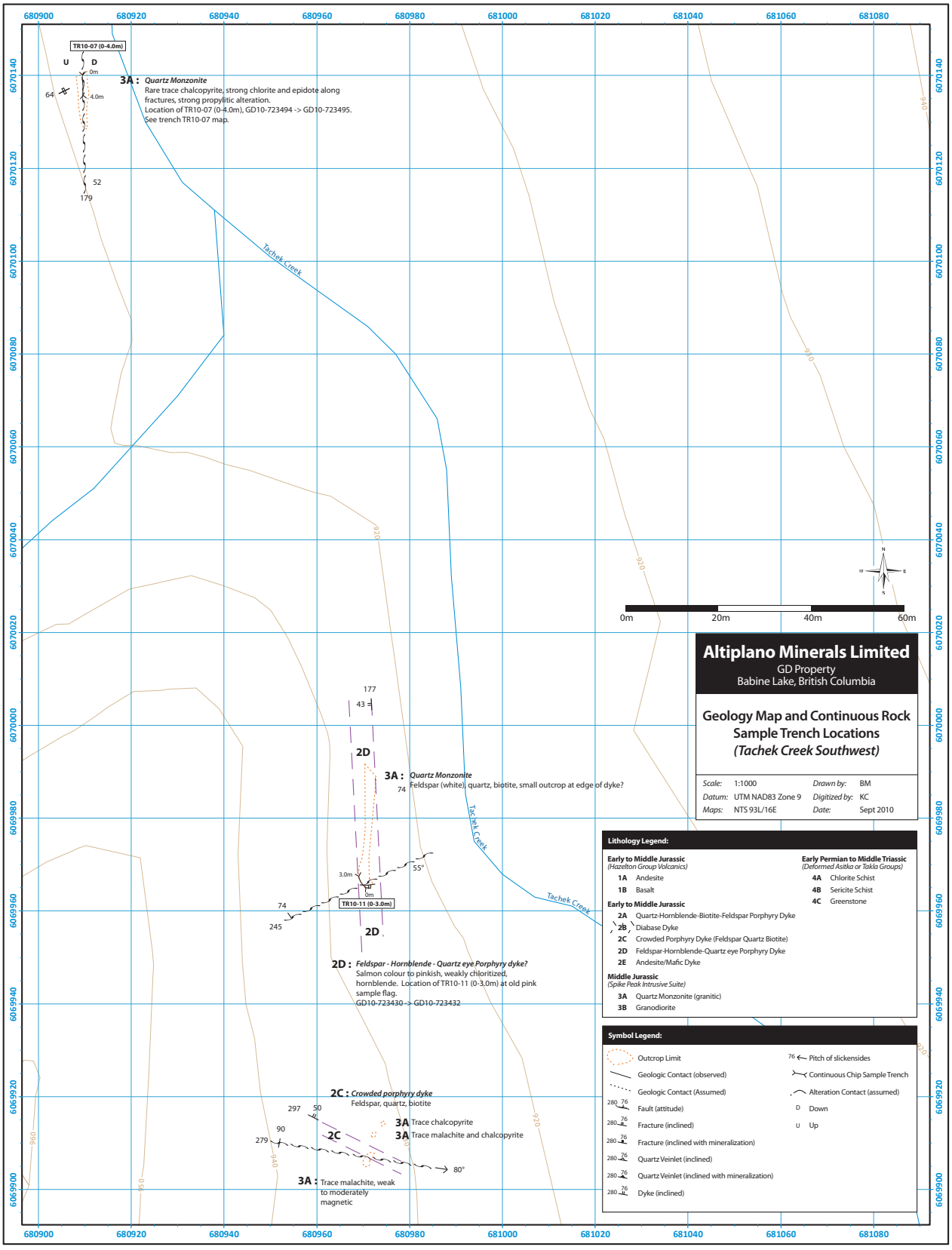
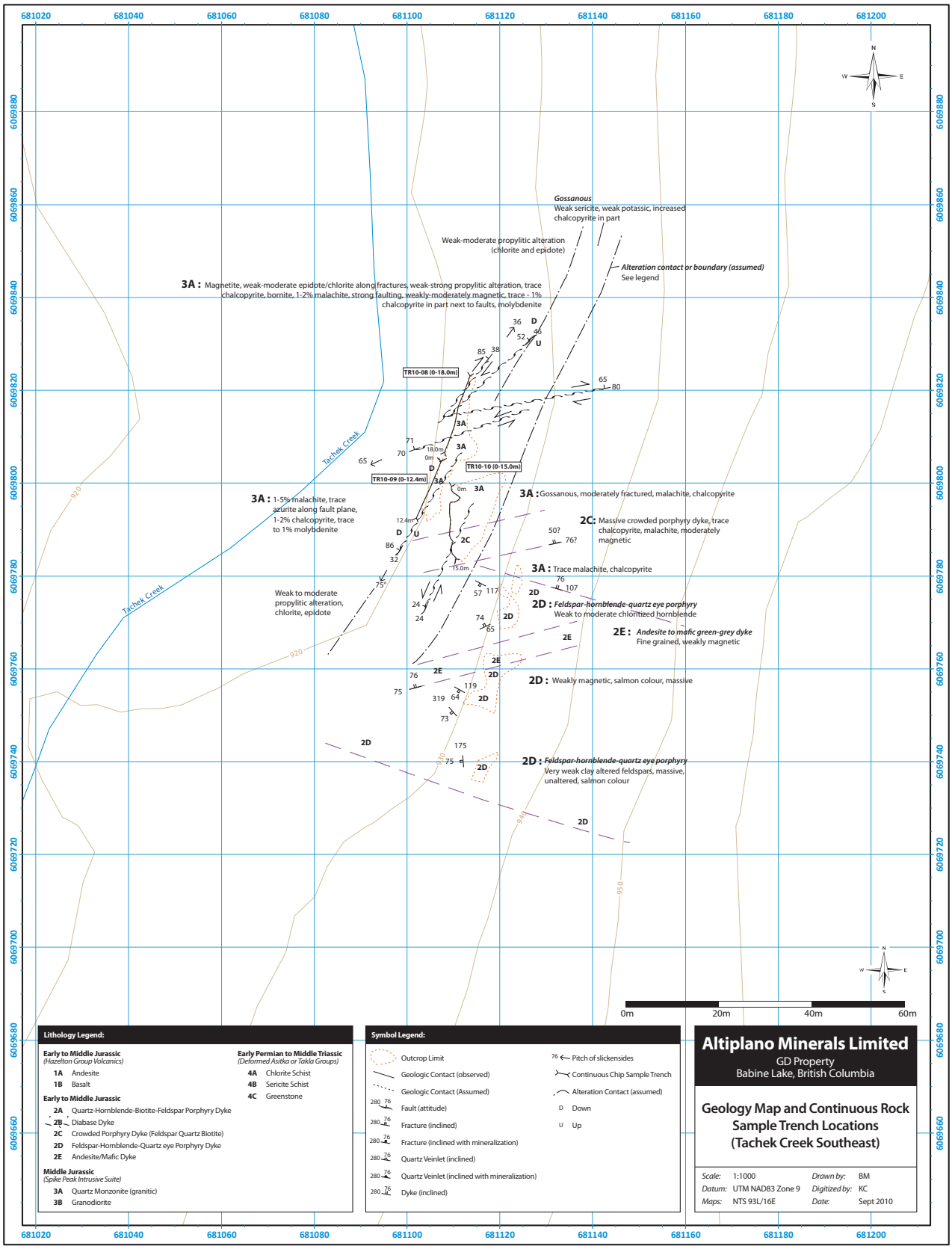


Figure 12: Tachek Creek Geology Map (south-east) with Rock Chip Trench Locations



Alteration (Tachek Creek North/South)

Alteration on the GD property is related to fracture and fault controlled zones of mineralization. Three types of alteration occur on the property and are listed in order of abundance:

1) Chlorite and epidote are component minerals in propylitic alteration. Propylitic alteration was recognized in Tachek Creek north and south. Weak to moderate zones of propylitic alteration tend to be strongest to the southwest. Outcrops are noticeably altered to dark green to epidote green especially along fault planes and faulted zones.

2) Argillic/Sericite altered feldspars in intrusive quartz monzonites are associated with gossanous zones located along major fault zones. These zones usually contain high concentrations of sulphides and strong iron staining (limonite), specular hematite which tend to mask most alterations. Alteration was generally observed to be weak to moderate argillic/sericite and observed in the north and south regions of Tachek Creek.

3) Patchy zones of weak potassic alteration were recognized in Tachek Creek north but secondary biotite (component mineral in potassic alteration) was not observed. Minerals associated with the weak potassic alteration in Tachek Creek north include magnetite and potassium feldspar.

Pinkish zeolite and weak, very narrow barren calcite veinlets are rather common near faulted regions.

Structure (Tachek Creek North/South)

Many structural elements were mapped in the Tachek Creek north and south zones. These include faults, fractures, dykes and rare veinlets.

Numerous faults were mapped in Tachek Creek north and south within the granitic quartz monzonite intrusive unit. Four types of faulting were recognized and are listed below in order of importance:

1) **Oblique-slip faults** are most common at both Tachek Creek north and south and display both a dip-slip and strike-slip component. These faults result from a combination of shearing and tension produced by compressional forces. At Tachek Creek north, the oblique-slip faults generally trend approximately east-west with moderately steep and steep dips to the south and north. Other less common trends include northwest-southeast with a moderate dip to the southwest and northeast-southwest with a moderate dip to the southeast. At Tachek Creek south the oblique-slip faults again trend approximately east-west and are vertical or dip steeply to the north. One other less common trend is northeast-southwest with a fairly steep dip to the northwest.

2) **Strike-slip faults** were mapped in both Tachek Creek north and south. These faults are caused by shearing forces. In the north, a strike-slip fault trends northeast-southwest and dips moderately steeply to the southeast. This fault displaces (left-lateral) a narrow diabase dyke approximately 0.6 metres. At Tachek Creek south strike-slip faults generally trend northeast-southwest and dip moderately and steeply to the northwest.

3) **Normal faults** were mapped in both Tachek Creek north and south. These faults are caused by tensional forces and result in extension. In the north, two normal fault trends approximately east-west with a moderate and steep dips to the south. One other normal fault also trends approximately east-west and dips steeply north. In the south Tachek Creek zone a normal fault trends almost north-south and dips moderately east

4) **Reverse faults** were mapped at Tachek Creek north. This fault motion is caused by compressional forces and results in shortening. One reverse fault trends approximately north-south and dips steeply to the west. The other fault trends northeast-southwest dipping moderately to steeply southeast.

Fractures are abundant within the quartz monzonite unit in both Tachek Creek north and south. Fracturing was mapped as weak to strong and generally the quartz monzonite intrusive is moderately fractured. Strong fracturing and gouge typically occur marginal to fault zones. Fractures are not all mineralized but the mineralized fractures generally contain weak to strong malachite and trace chalcopyrite. In the north region of Tachek Creek mineralized fractures generally trend northeast-southwest and dip moderately to steeply southeast however, some fractures dip northwest. Other mineralized fractures trend approximately east-west and dip moderately to steeply north. A few mineralized fractures trend northwest-southeast and dip steeply to the southeast or are vertical. In Tachek Creek south mineralized fractures, in order of abundance, trend northeast-southwest, approximately east-west and north-south.

Dykes are common at Tachek Creek north and south and are generally 30 cm to greater than 4 metres wide. Dyke contacts are generally sharp in contact with quartz monzonite and have chilled margins. Dyke swarms have been mapped but are not as common as individual dykes. In Tachek Creek north, the diabase dykes are most common and are up to approximately 4 metres in width where mapped. They generally trend east-west and dip moderately to the north. Other diabase dykes trend northwest-southeast and dip moderately to the southwest and northeast-southwest dipping moderately to the northwest. Two quartz-hornblende –biotite-feldspar porphyry dykes were mapped in the north zone and are 0.8 to 2 metres wide. They trend generally east-west and dip 56° to the south. One other porphyry trends northwest-southeast and is vertical. In the south Tachek Creek zone a crowded feldspar-quartz-biotite porphyry dyke approximately 7 metres wide trends northeast-southwest and dips moderately to the northwest. A second dyke approximately over 40 metres wide is composed of feldspar-hornblende-quartz eye porphyry.

This dyke trends northwest-southeast and dips rather steeply to the northeast. An andesite dyke approximately 5 metres wide intrudes the feldspar-hornblende-quartz eye porphyry dyke. This andesitic dyke trends northeast-southwest and dips steeply northwest.

Mineralized veinlets are very rare in the quartz monzonite unit. Two veinlets were mapped at Tachek Creek north. All veinlets trend along fault planes and are 2-3 centimetres wide. A narrow quartz veinlet (3 cm wide) trends approximately north-south along a reverse fault plane and dips steeply to the west. A second quartz-carbonate veinlet trends approximately east-west along an oblique-slip fault plane dipping moderately to steeply north. No veinlets were mapped at Tachek Creek south.

In general, the quartz monzonite intrusive unit that hosts copper mineralization at the GD property is moderately deformed by faulting and fracturing leaving open spaces for mineral deposition.

9.2 GEOCHEMICAL SURVEY RESULTS

Continuous Rock Chips

A total of 82 continuous rock chip samples were collected from 11 trenches (TR10-01-TR10-11) within the GD claims. The remainder of the rock samples include 2 prospector grab samples from outcrop, 2 prospector float samples (not from outcrop), and 2 prospector continuous chip samples. Table 2 below shows the weighted average values for copper, molybdenite and gold in continuous rock chip sample trenches (TR10-01-TR10-11).

Table 2: (Weighted Average Values for TR10-01 to TR10-11)

TRENCH	FROM (m)	TO (m)	LENGTH (m)	Cu (ppm)	Mo (ppm)	Au (ppb)
TR10-01	0.0	8.0	8.0	902.30	43.96	8.54
TR10-02	0.0	9.6	9.6	982.41	5.85	27.43
TR10-03	0.0	9.0	9.0	257.11	243.50	2.37
TR10-04	0.0	6.3	6.3	306.47	7.40	0.75
TR10-05	0.0	5.0	5.0	1234.56	52.44	3.04
TR10-06	0.0	12.0	12.0	258.01	591.92	2.29
TR10-07	0.0	4.0	4.0	64.95	20.95	1.75
TR10-08	0.0	18.0	18.0	879.16	33.31	41.24
TR10-09	0.0	12.4	12.4	2403.71	125.69	70.90
TR10-10	0.0	15.0	15.0	1082.69	65.07	16.72
TR10-11	0.0	3.0	3.0	58.27	67.53	1.13

Tachek Creek south-east returned some of the highest copper and gold assays, where sampled. In continuous rock chip sample trench TR10-09, copper assayed 2403.7 ppm and gold assayed 70.9 ppb over 12.4 metres. Molybdenite assays were particularly strong in trench TR10-06 with 591.9 ppm over 12.0 metres at Tachek Creek north.

The highest copper assay on the property is 3842.9 ppm over 1.0 metre in trench TR10-10 at Tachek Creek south-east. The highest molybdenite assay is 1894 ppm over 1.0 metre in trench TR10-06 at Tachek Creek north. The highest gold assay was found in trench TR10-09 at 247.6 ppb over 1.0 metres at Tachek Creek south-east.

Three samples were tested for rhenium (rare high priced industrial metal) and one sample (5 ppb) was slightly higher than the average composition of the continental crust (webelements.com) at 2.6 ppb. Results for rhenium, in general, are very low and uneconomic in samples tested.

Continuous chip sample trenching has confirmed widespread copper with less molybdenite extending from Tachek Creek north to south. Since most of the property is covered by overburden rock sampling was only carried out in exposed outcrop. Gold assays were anomalous in most areas but generally low and uneconomic where sampled and a historical gold assays of 6.84 g/t gold (Carter, 1990), in a grab sample from outcrop, could not be reproduced.

Soil Sampling

Two soil sample grids (Appendix 10) were established (north, south) covering parts of Tachek Creek north and Tachek Creek south (southeast and southwest). A total of 520 soil samples were collected from two grids at 25 metre centres on 50 metre line spacings. Soil grid north was centered on favourable copper mineralization and a historical gold sample of 6.84 grams/tonne gold (Carter, N.C., 1990). Soil grid south was centered on favourable copper mineralization and historical percussion holes (Noranda Exploration Company, 1969) 14 (76.2 metres depth, vertical), 31 (76.2 metre depth, vertical), and 32 (61.0 metre depth, vertical, Appendix E, F). These Noranda Exploration Company percussion holes returned values of 0.20% copper and 0.06% molybdenite over much of the hole lengths – some samples yielded up to 0.62% copper and 0.11% molybdenite (Carter, N.C., 1990). The results of the 2010 soil geochemistry program are listed below. The soil sample results are focused on copper (ppm), molybdenite (ppm) and gold (ppb). Other mineral results can be found in Appendix C. In general, the geochemical signature of the GD claims includes elevated or enrichment in molybdenite, gold, silver, bismuth, and some tungsten. Panteleyev describes the geochemical signatures in central zones of copper have coincident molybdenite, gold, silver with possible bismuth, tungsten, boron and strontium (Panteleyev, A., 1995) Notable absent are enrichment of boron and strontium at the GD claims.

Firstly, soil grid north (Appendix D) shows four copper anomalies. The first is centered on UTM coordinate 681545 m E, 6070850 m N. This anomaly trends northerly at 200 m (long) x 60 m (wide) and is open to the north. A second copper anomaly is centered on UTM coordinates 681350 m E, 6070850 m N. This anomaly trends northerly and is 100 m (long) x 50 m (wide). A third copper anomaly centered on 681255 m E, 6070900 m N and is 200 m (long) x 100 m (wide). This anomaly is opened to the north and west. Finally, a fourth copper anomaly centered on 681450 m E, 6071000 m N is 70 m (long) x 100 m (wide) and is open to the north.

Molybdenite anomalies on soil grid north are concentrated and follow Tachek Creek in a northeast-southwest direction and the anomaly is open to the northeast and to the southwest.

Gold anomalies on the Tachek Creek north soil grid appear to be isolated with one centered on 681650 m E, 6070700 m N. This gold anomaly is 70 m (long) x 40 m (wide). The second is centered on 681250 m E, 6070700 m N and is 60 m (long) x 20 m (wide) and is open to the west.

Soil grid south is located in Tachek Creek south (Appendix D). Firstly, soil grid south has only one copper anomaly associated with mapped copper mineralization in Tachek Creek. The copper anomaly is centered on UTM coordinate 681125 m E, 6069850 m N and is 80 m long x 40 m wide.

Molybdenite anomalies on soil grid south are concentrated and follow Tachek Creek south in a northwest to south direction and the anomalies are open to the northwest and south.

There are three main isolated gold anomalies on soil grid south. The first is centered on UTM coordinates 681425 m E, 6069850 m N and is 90 m (long) x 50 m (wide). The second gold anomaly is centered on 681025 m E, 6069950 m N and is 90 m (long) x 50 m (wide). The third gold anomaly is centered on UTM coordinates 680825 m E, 6069950 m N and is 85 m (long) x 45 m (wide).

In general, possible thick overburden may have cause a scattering of anomalies (where overburden thins) on the soil grids.

10 SAMPLING METHOD AND APPROACH

Rock samples were collected by Bruce Brownlee, Ted Archibald and Brian Malahoff under the supervision of Brian Malahoff P.Geo. Rock sampling consisted of continuous rock chip sampling across widths of mineralized intrusive rock, except in the cases where chip grabs from rock outcrop or loose grabs (from subcrop, float) was sampled.

All rock sample sites were marked with labelled metal tags and flagging tape. Samples and tags were placed in poly-ore bags having individual weights of at least 2 kilograms, and zap-strapped. Sample locations were recorded by GPS, given a UTM grid designation using the NAD 83 datum, and photographed.

All rock samples were taken directly to Acme Analytical Laboratories in Smithers, BC for homogenization, and then sent by Acme to Vancouver, BC where they were analyzed for 36-element ICP-MS with a Group 1DX2 analysis. See appendix B for details on analytical methods and procedures. A witness sample of each rock sample was retained and is available for viewing. Two blank samples were introduced into the sample stream for approximately every 100 samples. Locations, descriptions and assays (Cu, Mo, and Au) of rock samples are displayed in Appendix A. All geochemical results are found in Appendix C.

Soil samples were taken by Andrew Molnar, Riley Molnar, and Christopher Monaghan along east-west lines on two grids (Appendix D) from a depth of between 35-40 cm. Soil sample locations were recorded by GPS, and given a UTM grid designation using the NAD 83 datum. Soil sample station were placed every 25 metres with line spacing's of 50 metres. The north soil grid covers over 4 line kilometres (4300 metres) of grid line including the baseline. The south soil grid covers over 6 line kilometres (6450 metres) of grid line including the baseline. A soil sample from a deep B-horizon was sampled then placed in marked paper sample bags, placed in poly-ore bags, sealed, and hand-delivered to Acme Analytical Laboratories of Smithers, British Columbia for Group 1DX2-31 element ICP analysis. Results of the 2010 soil geochemical survey are presented in Appendix D and section 9.1 (Geochemical Survey Results).

11 INTERPRETATIONS AND CONCLUSIONS

During the 2010 field season, geological mapping, continuous rock chip sampling, soil sampling and prospecting have outlined copper, molybdenite and weak gold anomalies in Tachek Creek north and south. Although property wide prospecting was carried out, the main focus of the 2010 exploration program was exploration work in Tachek Creek north and south.

Geological mapping (Figures 10-23) in Tachek Creek north and south has confirmed the presence of widespread copper mineralization (malachite, chalcopyrite, azurite and rare bornite) with less molybdenite in exposed outcrops. The intrusive rocks in these regions were found to be moderately fractured with abundant faulting that left open spaces for copper mineralization to fill. The copper mineralization is generally fracture, less fault controlled. Geological mapping has increased the understanding of the distribution of rock types and the major structures that affect these rock types.

Continuous rock chip sampling has returned high copper, anomalous molybdenite and low anomalous gold geochemical results. For example, trench TR10-09 returned 2403.7 ppm copper, 125.7 ppm molybdenite and 70.9 ppb gold over 12.4 metres. This confirms the potentially economic geochemical results for copper and shows that the copper grades carry over some distance in exposed rock.

Soil grid north was centered on favourable copper mineralization and a historical gold sample of 6.84 grams/tonne gold (Carter, N.C., 1990). Soil grid south was centered on favourable copper mineralization and historical percussion holes (Noranda Exploration Company, 1969) 14 (76.2 metres depth, vertical), 31 (76.2 metre depth, vertical), and 32 (61.0 metre depth, vertical, Appendix E, F). These Noranda Exploration Company percussion holes returned values of 0.20% copper and 0.06% molybdenite over much of the hole lengths – some samples yielded up to 0.62% copper and 0.11% molybdenite (Carter, N.C., 1990). Results of the 2010 soil surveys show anomalous zoned for copper, molybdenite, and gold but the results tend to be scattered. This may result from overburden depths. In some areas the overburden is not deep and in other areas it may be very deep masking soil results. The deepest overburden reported on the property was 112.5 metres.

Prospecting in the western part of the claim group failed to find any new deposit types associated with a porphyry copper type of environment such as skarn and epithermal vein deposits. No intrusive rock was found in this region where covered.

12 RECOMMENDATIONS

It is recommended that further work be conducted on the GD property. The main elements of future phase 2 exploration on the GD property include:

1) The GD property requires three dimensional induced polarization (IP) and magnetic geophysical surveys centered on previously drilled percussion holes (Appendix E, F) 14, 31 and 32 by Noranda Exploration Company in 1969. Also, IP and magnetic geophysical surveys should cover new Cu, Mo, Au anomalies found in the 2010 exploration program. The IP method chosen must be able to penetrate thick overburden.

2) A third phase drill program will be recommended depending on the results of phase 2.

3) Complete the outcrop-scale mapping (1:500) of Tachek Creek north and south focusing on structure and controls on mineralization.

4) Complete the continuous chip sampling of all mineralized intrusive rock at Tachek Creek north and possible new areas in the south.

5) Prospect and cover all visible Middle Jurassic Spike Peak Intrusive Suite rocks with soil grids and test (Cu. Mo, Au) the Late Triassic to Early Jurassic Topley Intrusive Suite rocks outcropping in the south-eastern part of the property. These intrusive rocks should be tested with reconnaissance soil lines for copper mineralization and other hidden younger intrusions of the Spike Peak Intrusive Suite rocks that host the copper mineralization on the GD property.

13 REFERENCES

Carter N.C., (1988): Geological Report the Gold Dust I and II Mineral Claims, Assessment Report: 16,874

Carter N.C., (1990): Geological and Geochemical Report on Sampling on the Gold Dust II Mineral Claims, Assessment Report: 19,556

Carter N.C., (1992): Geological and Geochemical Report on Sampling of Diamond Drill Cores and Percussion Hole Cuttings Gold Dust II Mineral Claims, Assessment Report: 22,025

Macintyre D. et al., (2001): Geological Survey Branch, Open File 2001-3, Geological Compilation Map and Legend, Babine Porphyry Copper District, British Columbia

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.

14 STATEMENT OF COSTS

Personnel		Rate	Days	Total
Brian Malahoff	July 17 – August 2, 2010	$650	17	$ 11050.00
Bruce Brownlee	July 17 – August 2, 2010	$550	17	$ 9350.00
Christopher Monahan	July 16 – August 2, 2010	$450	18	$ 8100.00
Riley Molnar	July 16 – August 2, 2010	$450	18	$ 8100.00
Ted Archibald	July 16 – August 2, 2010	$450	18	$ 8100.00
Andrew Molnar	July 16 – August 2, 2010	$475	18	$ 8550.00
Analytical	ACME Labs: 530 soil – 90 rock – 1DX2	-	-	$ 12574.83
Report	Geological	-	-	$ 12500.00
Sub total				$ 78324.83
Vehicles	38 x 110		$ 4180.00	
Communications			$ 75.00	
Travel			$ 977.09	
Field Supplies			$ 1676.58	
Fuel			$ 1188.95	
Lodging & Meals			$ 10516.75	
Rentals			$ 750.00	
Sub total			$ 19364.37	
Administration	5%		$ 4884.46	
Total:			$102573.66	

15 PHASE 2 BUDGET

Description		**Cost**
Time Charges:		
Project Planning/Permits		$ 4000
Mob/de-mob	1 persons field crew	$ 2500
Field	2 persons – 30 days	$ 13500
Road clearing	-	$ 2000
Administration	05%	$ 1100
Geological Supplies		$ 2500
Line Cutting	50 kms	$ 50000
3D IP Survey	50 kms	$ 187500
	Sub total:	$ 263100
Expenses:		
Meals-Accommodation	1 persons – 30 mandays	$ 3300
Supplies and Rentals		$ 750
4 x 4 vehicle rental	30 days	$ 3300
Fuel		$ 1500
Communications		$ 100
Geophysical Interpretation		$ 3500
Report		$ 7500
	Subtotal:	$ 19950
	Total:	$ 283050

- 12% HST will be added to time charges, equipment rentals and report costs and is not reflected in this budget.
- 12% HST has been included in the estimated expenses.

16 PHASE 3 BUDGET

Description		**Cost**
Time Charges:		
Project Preparation/Permits		$ 4000
Mob and demob	4 persons - 04 days	$ 9500
Field crew	2 persons - 28 days	$ 25200
Geologist/assistant	2 persons - 28 days	$ 35000
First Nation Employees		$ 10000
Administration 5%		$ 4185
	Sub total:	$ 87885
Drilling	2000m @ 85 per meter	$ 170000
Expenses:		
Road building		$ 5000
Cat rental- pads and sumps		$ 15000
Food and Accommodation	4 persons – 112 mandays	$ 12320
Supplies-core racks, etc.		$ 5000
4 x 4 vehicle rental	2 vehicles, ATV	$ 8540
Fuel:		$ 5000
Communications		$ 250
Assays and shipping	1750 core samples	$ 70000
Reports		$ 12500
	Subtotal:	$ 130610
	Total:	$ 388495

16 STATEMENT OF QUALIFICATIONS

I, Brian T. Malahoff, in the Province of British Columbia do hereby certify that:

I am a Consulting Geologist (North-South American Geoscience) with a business office at 3411 Springfield Drive, Richmond, BC, V7E 1Z1, telephone (604-277-7514).

I am a graduate of the University of British Columbia with a Bachelor of Science degree (1985) in geological sciences.

I have practiced my profession in Canada, United States, Mexico, Ecuador, Peru, Bolivia and Argentina for over 20 years since graduation.

I am a registered member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia since 1993 (No. 19165)

The information in this report is based on a review of reports on the area and on information obtained in the field between the dates of July 18, 2010 to August 2, 2010.

I personally supervised the work undertaken on the GD claims during the 2010 work program.

I hold no interest in any securities of Altiplano Minerals Limited.

I consent to, and authorize the use of this report in any prospectus, release or statement of material facts, or other public document provided that no excerpts are used out of context with the whole. I am not aware of any material fact or material change.

DATED in Vancouver, British Columbia, this 14th day of September, 2010.

Brian T. Malahoff, P Geo.

APPENDIX A

ROCK SAMPLE LOCATION, DESCRIPTIONS AND ASSAYS (Cu, Mo, Au) SAMPLE NUMBERS, ASSAY (TR10-01 to TR10-11)

Altiplano Resources Corp.

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm, Au (ppb))		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723451	681526	6070787	912	3A		48/53 SE	1.0	1	tr				3		1		1		**954.5**	**12.2**	**8.2**
TR10-01 (0-1.0 m): Qtz Monzonite to granite, modly magnetic, beige, pinkish, medium grained, pinkish radiating zeolite? along some fracs, tr mal, azurite blebs and filling fracs at (48/53 SE), tr dissem/blebby py in part, wk fe oxide staining along some fracs, tr cpy, ep, wk potassic and argillic alteration.																					
GD10-723452				3A			1.0	tr	tr				3		1		1		**3580**	**30.5**	**12.4**
TR10-01 (1.0-2.0 m): as above with tr cpy, tr-1% py, tr mal along some fracs																					
GD10-723453				3A		57/62 SE	1.0	tr	tr				2		1		1		**1274**	**194.8**	**10.4**
TR10-01 (2.0-3.0 m): Qtz Monzonite (Granitic), modly magnetic, beige, wk fe staining along fracs, tr pink zeolite, tr py, tr cpy, mal, az along a dominant frac at 57/62 SE, wk potassic and argillic alt.																					
GD10-723454				3A			1.0	tr	tr				5		1		1		**561.9**	**40.1**	**14.5**
TR10-01 (3.0-4.0 m): Qtz Monzonite (Granitic) as before, mod fe staining, modly fracd, tr mal, tr py, cpy, wk arg, potassic alt., mod pink zeolite along some fracs, wk-mod magnetic, increase in gossan and lim																					
GD10-723455				3A, 2B			1.0	tr					5		1		1		**206.5**	**52.0**	**15.5**
TR10-01 (4.0-5.0 m): Qtz Monzonite (Granitic) and wk Diabase dyke, mod fe staining, modly-strly magnetic dyke, no visible mal, az, tr py, arg, potassic																					
GD10-723456				2B, 3A			1.0	tr											**184.1**	**17.3**	**1.3**
TR10-01 (5.0-6.0 m): Generally Diabase dyke mixed with wk granitic Qtz Monzonite, mod light grey, fg, modly-strly magnetic, tr py, no visible mal.																					
GD10-723457				2B, 3A		92/67SW	1.0	tr	tr				3		1		1		**317.6**	**3.6**	**5.4**
TR10-01 (6.0-7.0 m): Diabase dyke with minor Qtz Monzonite, modly-strly magnetic (2B), fg, medium to dark grey, tr mal along fracs in dyke at 92/67 SW, wk pink zeolite along fracs in Qtz Monzonite, wk arg, potassic, wk-mod fe staining, tr py, tr cpy in 3A.																					
GD10-723458	681527	6070770	912	2B, 3A			1.0		tr						1		1		**139.8**	**1.2**	**0.6**
TR10-01 (7.0-8.0 m): Generally Diabase dyke with minor granitic Qtz Monzonite, modly-strly magnetic (2B), fg, medium to dark grey, tr mal along a frac, Qtz Monzonite with mod-str fracturing, wk-mod fe staining, tr cpy, wk arg, pot.																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5 Qtz	Pot	Phy	Arg	Prop	Assays (ppm, Au (ppb)) Cu	Mo	Au
GD10-723459	681505	6070785	901	3A	boxwork	265/70NW	1.0	tr	tr				10	1	2				**108.2**	**11.3**	**9.1**
TR10-02 (0-1.0 m): Qtz Monzonite (Granitic), modly-strly gossanous, faulted zone at 265/70 NW, pink, wk-mod potassic?, wkly magnetic, tr cpy, py, tr mal along some fracs, slickensides on fault plane but faint, possible strike slip fault, mg, modly leached especially near fault, bxwk																					
GD10-723460				3A	boxwork		1.0		tr				6		2				**222.1**	**6.5**	**14.6**
TR10-02 (1.0-2.0 m): Qtz Monzonite (Granitic), wk-modly gossanous, wk-mod lim along fracs, more massive, less faulting, tr blebby mal, tr cpy, generally as previous with less gossan, wk boxwork textures, wkly magnetic, wk-mod potassic?																					
GD10-723461				3A			1.0		tr				5		2				**587.8**	**9.3**	**14.1**
TR10-02 (2.0-3.0 m): Qtz Monzonite (Granitic), wk biotite/hornblende, wk-mod lim along fracs, tr-1% mal along more than one frac, pinkish, wk-mod potassic alteration?, wkly-modly magnetic, evidence of slickensides on one rock chip, cpy																					
GD10-723462				3A			1.0		tr				5		1				**373.5**	**4.3**	**14.9**
TR10-02 (3.0-4.0 m): as previous with tr mal along many fracs, wkly magnetic, wk potassic?, wk-mod lim along fracs, tr cpy																					
GD10-723463				3A			1.0		tr				3		2				**674.0**	**2.7**	**9.2**
TR10-02 (4.0-5.0 m): Qtz Monzonite (Granitic), pinkish, wk-modly magnetic, wk lim along fracs, wk -mod potassic alteration? in part, tr-1% mal along more than one fracs, tr cpy																					
GD10-723464				3A			1.0		tr				3		1				**1708**	**4.5**	**57.4**
TR10-02 (5.0-6.0 m): Qtz Monzonite (Granitic), pinkish, wkly-modly magnetic, wk lim and slicks along some fracs, orientation ?, tr-1% mal along more than one frac surface, generally mineralization fracture controlled, tr cpy, tr discontinuous calcite vnl (tr mal), wk potassic?																					
GD10-723465				3A			1.0		tr				3		1				**2583**	**5.0**	**75.4**
TR10-02 (6.0-7.0 m): Qtz Monzonite (Granitic), mg, pinkish, tr-1% mal along most frac surfaces, as previous, slickensides on some surfaces, tr cpy, wk potassic alt.?																					
GD10-723466				3A			1.0		tr				3		1				**1819**	**4.0**	**41.9**
TR10-02 (7.0-8.0 m): Qtz Monzonite (Granitic), mg, pinkish, wkly magnetic, tr-1% mal along most fracture surfaces, as previous																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm, Au (ppb))		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723467				3A, 2B			1.0		tr				3		1				**1147**	**7.3**	**21.4**
TR10-02 (8.0-9.0 m): as before with wk mixed fg, narrow, light to medium dark grey dyke, diabase, tr-1% mal coating most frac surfaces (3A), tr cpy																					
GD10-723468	681499	6070766	899	3A			0.6		tr		1				1				**347.6**	**2.1**	**8.9**
TR10-02 (9.0-9.6 m): as previous with mag (magnetite) stringer along frac(1 mm), 1% mag, wk-strly magnetic, tr mal, tr cpy																					
GD10-723469	681550	6070817	908	2B, 3A		57/61NW	1.0	tr			5		3						**53.4**	**0.3**	**0.7**
TR10-03 (0-1.0 m): Diabase dyke, modly dark grey, wk greenish, modly-strly magnetic, slickensides along FP (fault plane) at 57/61 NW, slicks pitching 55° to the SW, wk reddish hem (possibly magnetite) to lim along fracs, tr py, 2nd fault at 123/77 SW pitching 50° SE.																					
GD10-723470				2B			1.0	tr			5		3						**47.8**	**0.5**	**2.0**
TR10-03 (1.0-2.0 m): Diabase dyke as before, tr py, wk reddish hem+lim along fracs																					
GD10-723471				3A	boxwork		1.0	tr	1	tr			20						**723.7**	**908.8**	**5.2**
TR10-03 (2.0-3.0 m): Strly gossanous, str lim+reddish hem along fracs, Granitic Qtz Monzonite, wk-mod boxwork textures, 1% cpy, tr py and tr-1% mo, wkly magnetic in part, modly fracd zone																					
GD10-723472				3A			1.0		1	tr			20						**758.7**	**1115**	**6.9**
TR10-03 (3.0-4.0 m): as before with 1% cpy,, tr-1% mo, tr mal, strly gossanous, str lim along fracs, faulted zone with slickensides along FP (Fault Plane) at 85/67 NW and pitching 26° to the SW, tr mal, 2 cm wide Qtz/Carb vnl strikes along FP, vuggy-drusy, str mal, tr cpy, strly fracd zone																					
GD10-723473				3A			1.0		tr				10						**266.0**	**26.3**	**1.8**
TR10-03 (4.0-5.0 m): Qtz Monzonite (Granitic), wkly-modly gossanous, decrease in gossan and lim with distance from faulting, tr cpy, wkly magnetic																					
GD10-723474				3A			1.0		tr		2		3					1	**51.1**	**30.4**	**1.7**
TR10-03 (5.0-6.0 m): Qtz Monzonite (Granitic), wk lim along fracs, more massive, less fracturing (wk), strly magnetic in part, blebs + mag along fracs, tr cpy, no visible mal, wk propylitic alteration																					
GD10-723475				3A			1.0		tr				3					1	**31.5**	**8.5**	**2.0**

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm, Au (ppb))		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
TR10-03 (6.0-7.0 m): as before, Qtz Monzonite (Granitic), tr cpy, no visible mal, modly magnetic, wk lim along fracs, wk propylitic alt.																					
GD10-723476				3A			1.0		tr				3					1	**212.0**	**31.3**	**<0.5**
TR10-03 (7.0-8.0 m): as before, 3B, granitic, tr cpy, no visible mal, modly magnetic, more massive, less fracd, wk lim along some frac surfaces, wk propylitic alt.																					
GD10-723477	681552	6070828	903	3A			1.0		tr				8						**169.8**	**70.4**	**<0.5**
TR10-03 (8.0-9.0 m): Qtz Monzonite (Granitic), modly magnetic, small narrow gossanous zone next to fault at 110/67 NE and pitching 50° to the NW, tr mal, cpy but generally massive (wkly fracd)																					
GD10-723478	681534	6070851	915	3A			2.0		tr		8				1			1	**22.6**	**6.9**	**<0.5**
TR10-04 (0-2.0 m): Qtz Monzonite (Granitic), mg, pinkish, grey, wk patchy potassic, modly fracd, tr mal, modly-strly mag, mag is a common constituent of biotite rich potassic alteration zones in many porphyry deposits but the biotite in the 3A unit looks primary, tr cpy, wk chl/ep along fracs																					
GD10-723479				3A			2.0		tr		8				1			1	**36.7**	**5.5**	**<0.5**
TR10-04 (2.0-4.0 m): as previous, f-mg, blebby 5-8% magnetite, coarse biotite books, wk potassic?, patchy, wk chl/ep along some fracs																					
GD10-723480	681563	6070836	915	3A			2.3		tr		3				1			1	**787.9**	**9.5**	**1.2**
TR10-04 (4.0-6.3 m): Qtz Monzonite (Granitic), wk patchy potassic+propylitic, modly fracd, tr cpy, mal, blebby 3-5% magnetite, modly-strly magnetic in part																					
GD10-723481	681568	6070923	908	3A			2.0		tr		5				1				**1260**	**82.0**	**3.3**
TR10-05 (0-2.0 m): Qtz Monzonite (Granitic), grey, pinkish, m-cg, patchy wk potassic, wk chloritized hornblende, wk propylitic, tr-1% cpy assoc. with mag, 5-10 % blebby mag, slickensides on some surfaces, sheared intrusive, tr mal, mo?																					
GD10-723482				3A, 2A			2.0		tr		5			1					**806.9**	**39.5**	**1.1**
TR10-05 (2.0-4.0 m): as before, with fragments of 2A (Qtz-Hb-Bio-Feld porphyry dyke, tr-1% cpy, 5-10% mag especially along FP, tr mal, modly sil																					
GD10-723483	681561	6070908	908	3A			1.0		1		10								**2039**	**19.2**	**6.4**
TR10-05 (4.0-5.0 m): Qtz Monzonite to Granodiorite, 1% cpy, tr mal, modly-strly magnetic, 10 % mag (blebby, dissem, along FP)																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm, Au (ppb))		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723484	681550	6070853	900	3A			1.0		tr	tr	3		10		1				**166.1**	**812.1**	**1.2**
TR10-06 (0-1.0 m): Qtz Monzonite (Granitic), wkly magnetic, 1-2% magnetite, mod lim along fracs, wk narrow gossanous zones, tr mal, tr-1% cpy, pinkish to beige, mg, tr mo along some fracs																					
GD10-723485				3A			1.0	tr	tr		3		5		1				**293.2**	**533.7**	**1.3**
TR10-06 (1.0-2.0 m): as above, 3A, wkly magnetic, tr cpy, py, less gossan, wk lim along fracs, pinkish, possible patchy potassic, K-spar																					
GD10-723486				3A			1.0		tr		tr		5					1	**448.2**	**78.8**	**3.2**
TR10-06 (2.0-3.0 m): as previous, Qtz Monzonite, granitic, tr mal, tr cpy, tr blebby magnetite, wk lim along fracs, massive, wk ep, chl -wk propylitic alteration																					
GD10-723487				3A	boxwork		1.0		tr	tr			15		1				**151.9**	**1894**	**6.6**
TR10-06 (3.0-4.0 m): Qtz Monzonite, mg, pinkish-beige, gossanous zone, tr-1% mo, cpy, boxwork textures, mod-str lim along fracs																					
GD10-723488				3A	boxwork		1.0		tr	tr	5		15		1				**74.3**	**1202**	**4.2**
TR10-06 (4.0-5.0 m): Gossanous Qtz Monzonite, , as previous, stringers of magnetite along some fracs, tr-1% mo, tr cpy, boxwork, mod str lim along fracs																					
GD10-723489				3A	boxwork		1.0		tr	tr	tr		8		1				**442.8**	**977.7**	**2.0**
TR10-06 (5.0-6.0 m): Qtz Monzonite (Granitic): patchy potassic alteration, tr cpy, mo, mag, wk-mod lim along fracs																					
GD10-723490				3A			1.0		tr	tr	tr		8		1				**189.9**	**849.8**	**0.5**
TR10-06 (6.0-7.0 m): as previous, 3A, patchy K-spar, tr-1% cpy, mag, py																					
GD10-723491				2A			2.0	tr			5								**356.1**	**85.1**	**2.9**
TR10-06 (7.0-9.0 m): Qtz-Hornblende-Feldspar-Biotite Dyke: sharp chill margins, dark grey, modly magnetic, mod calcite along fracs, tr py, ep																					
GD10-723492				3A			2.0		1									1	**212.1**	**222.5**	**1.1**
TR10-06 (9.0-11.0 m): Mainly 3A mixed with 2A, 1% cpy near dyke contact, sharp chill contact, wk propylitic alteration (chl/ep)																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek North

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm, Au (ppb))		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723493	681547	6070818	900	3A			1.0						10		1			1	**196.3**	**139.7**	**<0.5**
TR10-06 (11.0-12.0 m): Qtz Monzonite (Granitic): tr ep/chl, wk propylitic alteration, tr cpy, wk-mod lim along fracs, modly gossanous in part.																					
GD10-439041	681514	6070791		3A			0.5	1					5	3					**707.5**	**126.9**	**74.6**
Prospector's Sample: O/C Moderately limonitic, slightly vuggy, weak sericitic alteration, qtz. Monzonite(?) Weakly pyritic and very minor malachite. O/C not continuous but can be followed intermittently for 15-20m in a SE direction																					
GD10-439042	681468	6070655		3A			grab				5								**299.0**	**35.7**	**7.9**
Prospector's Sample: Appears to be about 100 kg. Talus boulder at base of cliffs, but found only the one. Skarny Monzonite, strongly magnetic																					
GD10-439043	681468	6070655		?			grab				5								**50.8**	**7.3**	**3.8**
Prospector's Sample: Magnetite porphyry, this is the only place I have seen it.																					
GD10-439044	676513	6062051	1053	**BLANK**																	
BLANK																					
GD10-439045	680703	6073053	950	Qtz		0.5	grab					100									
Prospector's Sample: Barren qtz. conformable within schist approx. 2m long by 0.5m wide. Did find more qtz. On strike 50m to the south.																					
GD10-723434	681471	6070692		3A	f-mg	80/56SE	1.0		tr		tr	1%									
1m interval chip sample, fine to medium grained grey-pinkish, mod fracd, wk faulting, wk pink zeolite along frac, wk iron staining along fracs, wk cpy, wk mag blebs and stringers, wk qtz veining near fault at 80/56SE																					
GD10-723435	681471	6070691		3A	f-mg		1.0				1-10%	tr									
1m interval chip sample, fine to medium grained grey-pinkish, mod fracd, no faulting observed, wk pink zeolites along fracs, 1-10% mag makes rock look porphyritic in some areas																					

Altiplano Resources Corp.

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek South

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5 Qtz	Pot	Phy	Arg	Prop	Assays (ppm) Cu	Mo	Au
GD10-723494	680923	6070139	922	3A			2.0		tr		3							5			
TR10-07 (0-2.0 m): Qtz Monzonite (Granitic), pinkish to beige, generally feldspar, quartz, 2-3% biotite, wk mafic minerals, str ep, mod chl along fracs and within unit, str propylitic alteration, wk mixed drk grey, wkly magnetic dyke (diabase?), tr rare cpy, no mal																					
GD10-723495	680915	6070137	922	3A			2.0				3							5			
TR10-07 (2.0-4.0 m): as previous, wkly magnetic, no visible sulphides, str propylitic (ep/chl), possible wk patchy potassic next to FP.																					
GD10-723496	681101	6069835	930	3A			2.0	tr	tr		5				1			3			
TR10-08 (0-2.0 m): Qtz Monzonite (Granitic), mg, feld, qtz, bio (1-3%), modly fracd, mod-str ep+chl along fracs, mod propylitic alt, weak patchy potassic (k-spar/bio) alt. next to faults, tr-1% dissem/blebby cpy generally dissem with mal along fracs and strly dissem cpy near fault zones, tr-1% mal along fracs, 5 % magnetite, wk specular hem along fracs, mod pink zeolite with minor carb along fracs, wk reaction with HCL, tr py, FP trending 38/85 NW with slicks pitching 36 NE																					
GD10-723497				3A		38/85NW	2.0		1		5							3			
TR10-08 (2.0-4.0 m): as previous, FP trending 38/85 NW with slicks pitching 36 NE, mod increased in specular hem along fracs, wk-modly magnetic, 5% mag, 1% mal, 1% cpy, increase in dissem cpy near fault zones, wk-modly fracd, mod propylitic alt.																					
GD10-723498				3A		46/52 NW	2.0		tr		5							2			
TR10-08 (4.0-6.0 m): Qtz Monzonite (Granitic), pinkish, mod dark grey, greenish, mg, feld, qtz, bio, Biotite Granite in part, tr cpy, mal, wk-modly fracd, tr < 1mm wide Qtz vnl with 1% cpy, tr mal, mod specular hem along fracs, wk-mod chl/ep along fracs, wk-mod propylitic alt.																					
GD10-723499				3A			2.0		tr		4							2			
TR10-08 (6.0-8.0 m): Qtz Monzonite (Granitic), mg, pinkish to beige, mod dark grey, wk-mod ep/chl along fracs, wk-mod propylitic alt., tr cpy, mal, wk-modly fracd, wk-modly magnetic, 1-2% specular hem																					
GD10-723500				3A		80/65NW	2.0	tr	tr		4							2			
TR10-08 (8.0-10.0 m): Qtz Monzonite (Granitic), mg, wk-mod ep along fracs, wk-mod propylitic alt., tr mal, cpy, py, wk-modly fracd, faulted zone with FP at 80/65 NW, horizontal strike slip.																					
GD10-723401				3A			2.0		tr		4							1			
TR10-08 (10.0-12.0 m): as above, granitic, with tr-1% mal, tr-1% cpy, wk-modly fracd, wk-mod magnetic, tr bn (bornite), wk chl, ep along some fracs, mod pinkish zeolite with wk carb coating fracs																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek South

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm)		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723402				3A		70/71NW	2.0		tr		5				1			2			
TR10-08 (12.0-14.0 m): Qtz Monzonite (Granitic), mg, Feld, Qtz, Bio, wk-mod fracd, tr-1% mal and cpy along fracs, wk-mod chl, ep (wk-mod propylitic alt.), wk patchy potassic alt. next to FP, modly magnetic, faulted zone (70/71 NW, pitching 65° SW)																					
GD10-723403				3A			2.0		tr		4				1			2			
TR10-08 (14.0-16.0 m): as previous, with tr cpy, tr-1% mal, wk-mod propylitic alt. (ep/chl), wk patchy potassic (k-spar), wk-modly magnetic																					
GD10-723404	681100	6069805	930	3A			2.0		1		3							1			
TR10-08 (16.0-18.0 m): Qtz Monzonite (Granitic), Feld, Qtz, Bio, mg, pinkish, beige, modly drk grey, wk ep/chl along fracs, 1% mal along fracs, 1% cpy, mod pinkish zeolite along fracs, modly fracd																					
GD10-723405	681100	6069805	930	3A		33/54NW	2.0		1		4							1			
TR10-09 (0-2.0 m): Qtz Monzonite (Granitic), mg, pinkish, beige, Feld, Qtz, Bio (3-4%), wk ep/chl along some fracs, faulted zone, sample along FP, 1-2% mal, 1% cpy, wk-modly fracd, wk-modly magnetic, Fault at 33/54 NW pitching 70° SW.																					
GD10-723406				3A		140/34NE	2.0		1		4							1			
TR10-09 (2.0-4.0 m): Qtz Monzonite (Granitic), mg pinkish, beige, grey, same as previous, faulted zone (140/34 NE horizontal strike-slip), wk ep/chl along some fracs - generally FP, 1-2% mal, 1% cpy, wkly-modly magnetic																					
GD10-723407				3A			1.0		1		4		10		1			1			
TR10-09 (4.0-5.0 m): Qtz Monzonite (Granitic), pinkish, beige, grey, mg, modly fracd, 2% mal along fracs, 1-2% cpy (dissem+blebby) in part, wk ep/chl along some fracs, faulted zone, wk-modly magnetic, wk chloritized bio, wk k-spar type alt. next to FP, mod lim along fracs																					
GD10-723408				3A		71/47NW	1.0		1	tr	4		3					1			
TR10-09 (5.0-6.0 m): Qtz Monzonite (Granitic), pinkish , beige, grey, mg, modly fracd, 1-2% dissem cpy assoc. with 1-2% mal along fracs, wk ep/chl along fracs, faulted zone (71/47 NW plunging 90°), wk-modly magnetic, wk lim, wk pink/white zeolite, tr-1% mo in part																					
GD10-723409				3A			1.0		2		3		3					1			
TR10-09 (6.0-7.0 m): Qtz Monzonite (Granitic), mg pinkish, beige, grey, modly fracd, 2% dissem cpy along fracs assoc. with 2-5% mal along fracs, wk ep/chl, wkly magnetic, faulted zone , wk pinkish zeolite coating some fracs, wk lim along fracs																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek South

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5 Qtz	Pot	Phy	Arg	Prop	Assays (ppm) Cu	Mo	Au
GD10-723410				3A			1.0		tr		3		3					1			
TR10-09 (7.0-8.0 m): Qtz Monzonite (Granitic), mg, pinkish, beige, grey, modly fracd, wkly magnetic, tr-1% cpy, 1% mal along fracs, wk ep/chl, wk pinkish zeolite coatings, wk lim																					
GD10-723411				3A			1.0		1		4		3					1			
TR10-09 (8.0-9.0 m): as previous, wkly-modly magnetic, 1% dissem cpy assoc. with 2-5% mal, wk chl/ep																					
GD10-723412				3A		58/83 NW	1.0		1		4							1			
TR10-09 (9.0-10.0 m): Qtz Monzonite (Granitic), pinkish, beige, grey, mg, modly fracd, wkly-modly magnetic, 1% cpy, 2-3% mal along fracs, wk ep/chl, wk chloritized bio, wk pinkish zeolite, wk lim, magnetite and specular hematite along a frac at 58/83 NW																					
GD10-723413				3A			1.0		1		5							1			
TR10-09 (10.0-11.0 m): Qtz Monzonite (Granitic), as above, previous, with mod-str mal (5%), 1-2% dissem cpy assoc. with mal, 5% dissem mag, mag along fracs with specular hematite																					
GD10-723414	681093	6069804	930	3A		32/86NW	1.4	tr	1		10		10	2							
TR10-09 (11.0-12.4 m): Qtz Monzonite (Granitic), mod-str lim along fracs, mg, pinkish, grey, modly sil in part due to faulting at 32/86 NW and pitching 75º SW, str cpy+mal, 1-2% cpy, 5% mal, wk pinkish, whitish zeolite coating within main fault zone, str gossan and modly siliceous on footwall, tr py, wk-strly magnetic, modly strly fracd, modly-strly chloritized bio, Faulted Zone at 12.0 m with strly fracd rock and fault gouge, str mal to wk az, and cpy on hanging wall, strly gossanous and modly sil with 1-2% cpy in footwall rocks																					
GD10-723415	681100	6069812	947	3A			1.0		tr		3		8					1			
TR10-10 (0-1.0):Qtz Monzonite (Granitic): Feld, Qtz, Biotite (5%), pinkish (salmon color), beige, modly drk grey, tr mal along fracs, tr cpy, modly fracd, wkly magnetic, mod lim along fracs, wk ep and chl along some fracs																					
GD10-723416				3A			1.0		tr		3		8					1			
TR10-10 (1.0-2.0): as previous, tr mal , cpy, wkly magnetic																					
GD10-723417				3A			1.0		tr		3						1	1			
TR10-10 (2.0-3.0): Qtz Monzonite, mg, faulted zone, beige, wk clay alt., 1% mal, tr az, tr cpy, wkly magnetic, wk chl/ep, faulted, sheared, gougy in part, mod whitish, pinkish zeolite along fracs mixed with wk carb,																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek South

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm)		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723418				3A			1.0		tr		3						1	1			
TR10-10 (3.0-4.0): as previous, with 1-2% mal, tr cpy, faulted zone, wk ep/chl along some fracs																					
GD10-723419				3A		133/69NE	1.0		1	tr	5		8								
TR10-10 (4.0-5.0): Qtz Monzonite, mg, modly fracd, grey, wk pinkish, beige, Feld/Qtz/Bio, 3% mal,1% cpy along fracs, wk-modly magnetic, increased cpy in gossanous zones next to faults, wk-mod lim along fracs, tr mo, Faulting at 133/69 NE, pitching 60º NW																					
GD10-723420				3A		47/76NW	1.0	tr	1		5		15				1				
TR10-10 (5.0-6.0): Qtz Monzonite, mg, grey, pinkish, mod-str lim along fracs, gossanous zone next to faulting that extends 0.4 to 0.5 m on either side of FP (some gossanous in this area are on the footwall side of the FP (Fault Plane) and extend up to 1.0 m from the FP), 5% mal along many frac directions, 1% dissem cpy along FP and tr-1% along fracs with mal, wk-mod magnetite, tr py, modly fracd, wk ep, FP at 47/76 NW with slickensides horizontal (strike-slip)																					
GD10-723421				3A			1.0		1		3		15				1				
TR10-10 (6.0-7.0): Qtz Monzonite, mg, grey, wk pinkish, mod-str lim, modly gossanous next to fault, 8% mal along fracs, 1% cpy, wkly magnetic, modly fracd																					
GD10-723422				3A			1.0		tr		3							1			
TR10-10 (7.0-8.0): Qtz Monzonite, mg, grey, wk pinkish-beige, Feld-Qtz-Bio (3-5%), modly chloritized bio, mod 5% mal along fracs, tr cpy, modly strly fracd, wk ep along fracs, wk manganese stain, wk az, wkly magnetic																					
GD10-723423				3A		80/86SE	1.0		tr		3										
TR10-10 (8.0-9.0): Qtz Monzonite, grey, mg, modly fracd, faulted zone (80/86 SE with slickensides pitching 45º SW, Oblique Normal Fault), 1-2 % mal and tr cpy along fracs, wkly magnetic																					
GD10-723424				3A			1.0		tr		3										
TR10-10 (9.0-10.0): Qtz Monzonite as previous, wk manganese stain along some fracs																					
GD10-723425				2C			1.0		tr		10										
TR10-10 (10.0-11.0): Crowded Porphyry Dyke, m-cg, Feld (white plag and other white feld 65%), Qtz (25-30%), Bio (3-5%), massive, medium to dark grey, modly magnetic, tr cpy																					

Rock Chip Trench Sample Description Sheet (GD Project, Babine Lake, BC, Canada, 2010)

Zone: Tachek Creek South

Zone 09, NAD 83

Sample Number	East (UTM) m E	North (UTM) m N	Elev. (m)	Rock Code	Text.	Struct. 000/00	Width (m)	% Py	% Cpy	% Mo	% Mag	% QVN	% Lim	Pervasive Alteration scale 1-5					Assays (ppm)		
														Qtz	Pot	Phy	Arg	Prop	Cu	Mo	Au
GD10-723426				2C			1.0				10										
TR10-10 (11.0-12.0): as previous																					
GD10-723427				2C		24/83NE	1.0		tr		10										
TR10-10 (12.0-13.0): Crowded Porphyry Dyke, m-cg, medium to dark grey, modly magnetic, increased bio to 7 %, chloritized bio in part, tr mal, cpy, wk ep along some fracs, faulted region (24/83 NW with slickensides pitching 31º NE), mal, cpy assoc with faulting																					
GD10-723428				2C			1.0				10										
TR10-10 (13.0-14.0): As before, Crowed Porphyry Dyke, no visible mal, cpy,																					
GD10-723429	681094	6069793	949	2C			1.0				10										
TR10-10 (14.0-15.0): As before, modly magnetic, wk ep along some fracs																					
GD10-723430	680997	6069979	937	2D		245/74NW	1.0				3										
TR10-11 (0-1.0): Feld (85%), Hornblende (12%), Qtz eye (2-3%) porphyry dyke ?, salmon weathering to greyish-green in fault zone, Fault at 245/74 NW with slickensides pitching 55º NE, modly-strly fracd, old sample flag (pink) here, sheared and faulted zone with fault gouge, pinkish zeolite along fracs, no visible sulphides, wkly magnetic																					
GD10-723431				2D			1.0				5										
TR11-11 (1.0-2.0): As previous, strly fracd, sheared, faulted with fault gouge, no visible sulphides, chloritized hornblende, modly magnetic in part, wk ep along some fracs																					
GD10-723432	680999	6069980	937	2D			1.0														
TR10-11 (2.0-3.0): As previous, strly fracd, sheared, faulted zone and less fracd Feld-Hornblende-Qtz eye Porphyry dyke? at end of trench, wk ep along fracs																					
GD10-723433	676513	6062051	1053	**BLANK**																	
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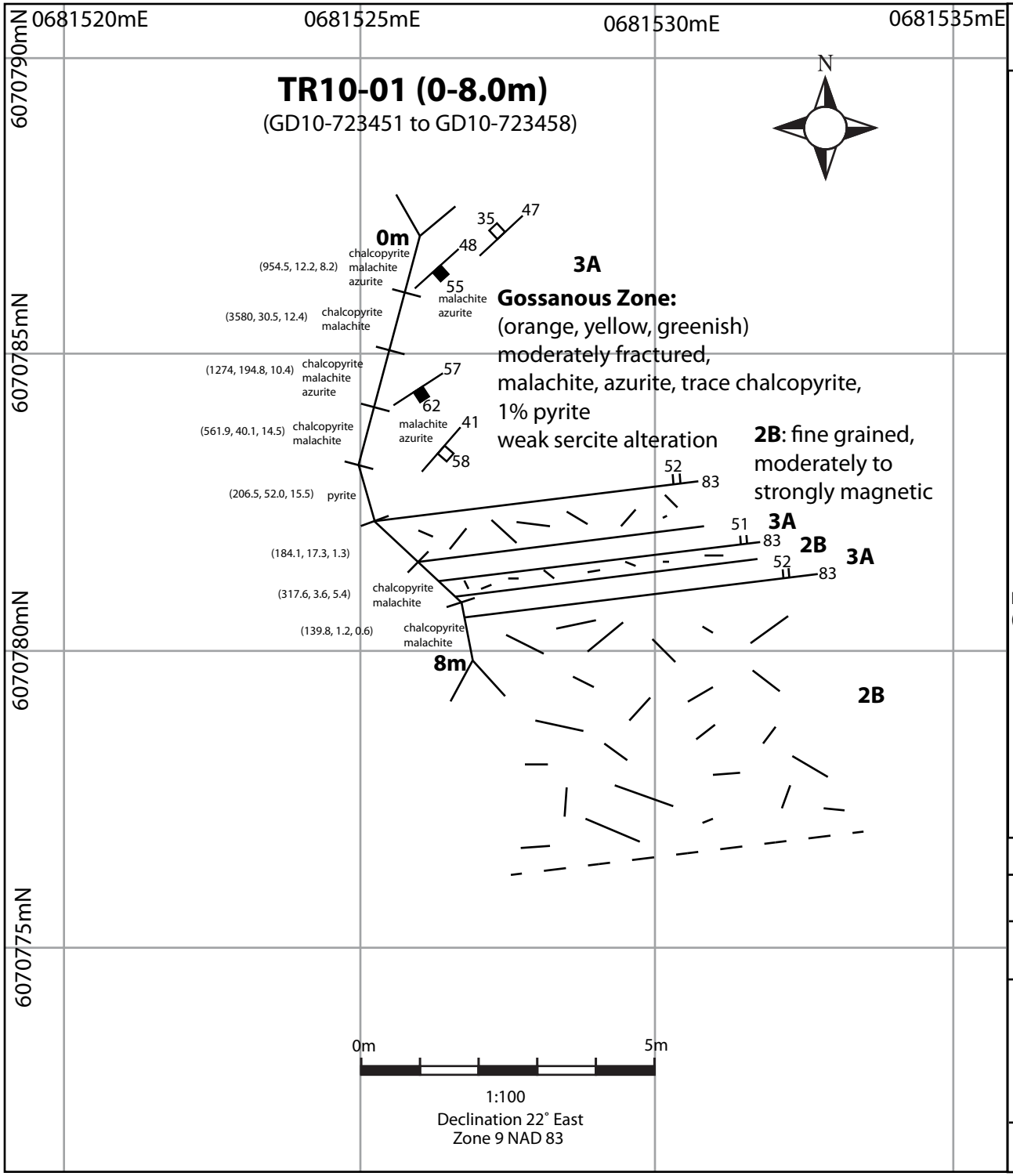


Legend

Early to Middle Jurassic
(Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic
(Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic
(Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

- Outcrop Limit
- Geologic Contact (observed)
- Geologic Contact (assumed)
- Fault (attitude) — 45 / 25
- Fracture (inclined) — 45 / 50
- Fracture (inclined with mineralization) — 45 / 50
- Quartz Veinlet (inclined) — 45 / 50
- Quartz Veinlet (inclined with mineralization) — 45 / 50
- Dyke (inclined) — 50 / 45
- Pitch of slickensides — 45
- Continuous Chip Sample Trench
- Alteration Contact (assumed)
- Diabase dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

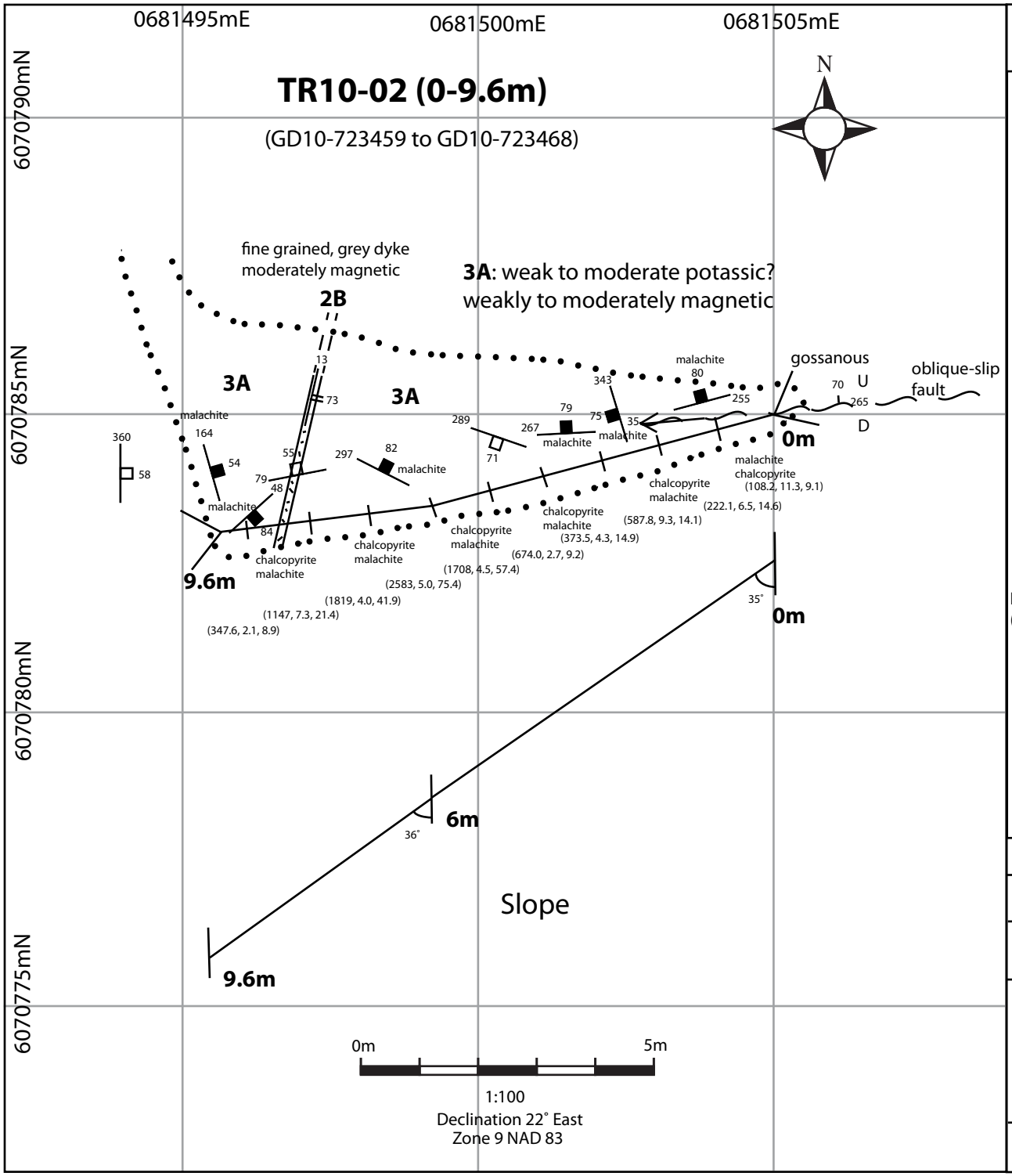
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-01

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 07/29/10	Scale: 1:100	Figure: 12



Legend

Early to Middle Jurassic
(Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic
(Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic
(Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

- Outcrop Limit
- Geologic Contact (observed)
- Geologic Contact (assumed)
- Fault (attitude) — 45 / 25
- Fracture (inclined) — 45 / 50
- Fracture (inclined with mineralization) — 45 / 50
- Quartz Veinlet (inclined) — 45 / 50
- Quartz Veinlet (inclined with mineralization) — 45 / 50
- Dyke (inclined) — 50 / 45
- Pitch of slickensides — 45
- Continuous Chip Sample Trench
- Alteration Contact (assumed)
- Diabase dyke

ALTIPLANO MINERALS LIMITED

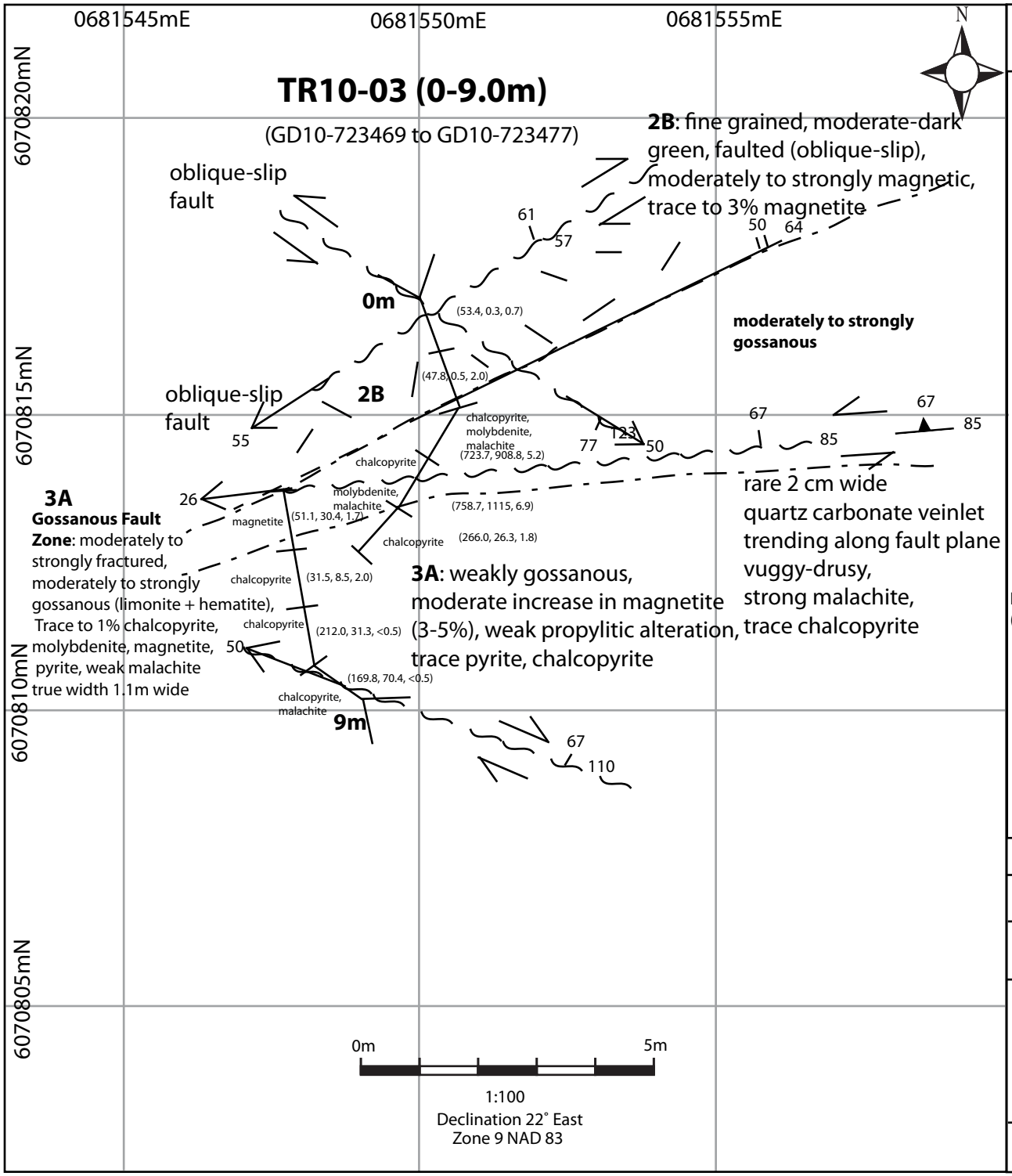
GD PROJECT
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-02

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/04/10	Scale: 1:100	Figure: 13



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit

Geologic Contact (observed)

Geologic Contact (assumed)

Fault (attitude) 45/25

Fracture (inclined) 45/50

Fracture (inclined with mineralization) 45/50

Quartz Veinlet (inclined) 45/50

Quartz Veinlet (inclined with mineralization) 45/50

Dyke (inclined) 50 45

Pitch of slickensides 45

Continuous Chip Sample Trench

Alteration Contact (assumed)

Diabase dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

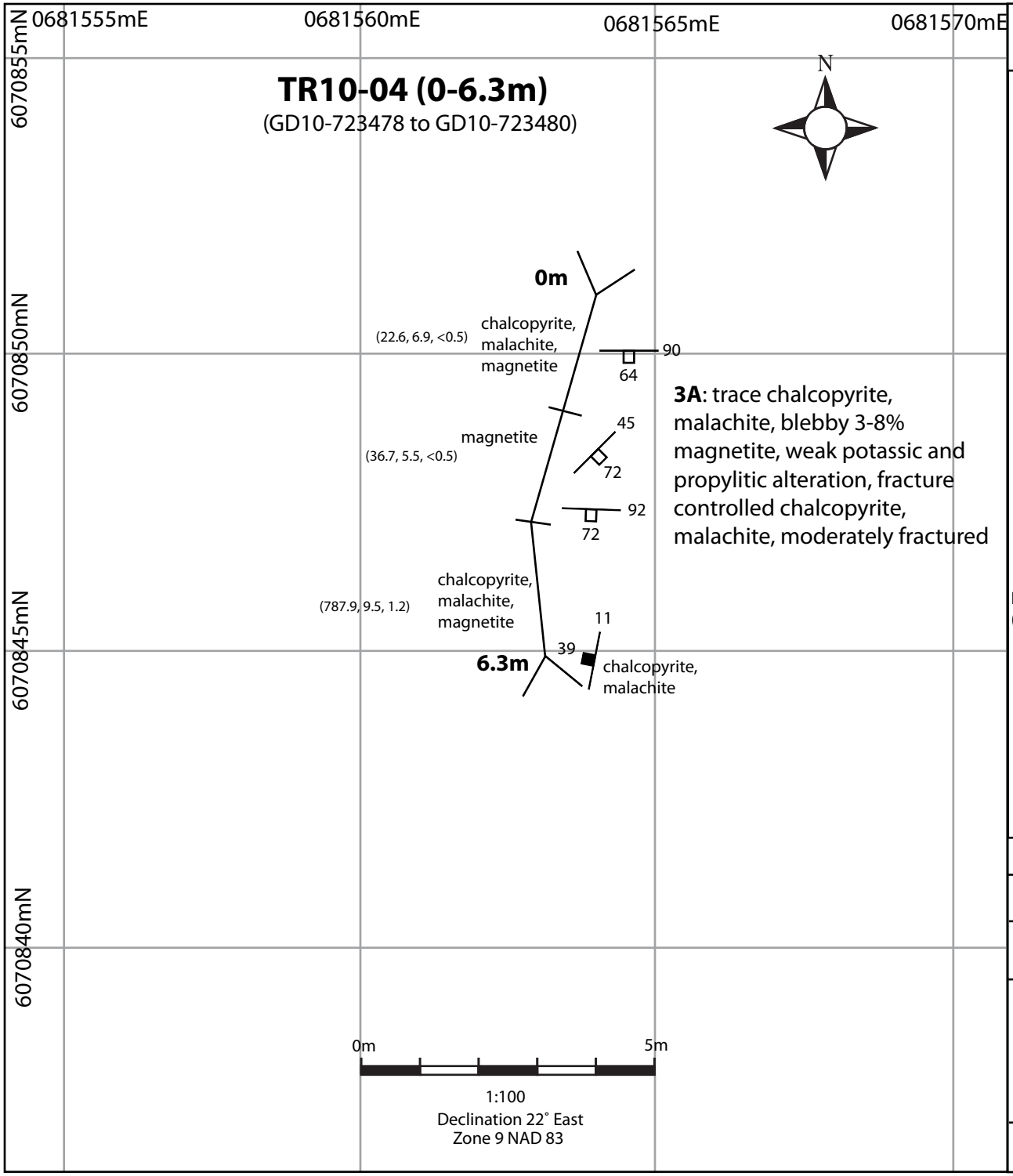
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-03

with Sample Numbers and Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/04/10	Scale: 1:100	Figure: 14



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit

Geologic Contact (observed)

Geologic Contact (assumed)

Fault (attitude) — 45 / 25

Fracture (inclined) — 45 / 50

Fracture (inclined with mineralization) — 45 / 50

Quartz Veinlet (inclined) — 45 / 50

Quartz Veinlet (inclined with mineralization) — 45 / 50

Dyke (inclined) — 50 / 45

Pitch of slickensides — 45

Continuous Chip Sample Trench

Alteration Contact (assumed)

Diabase dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

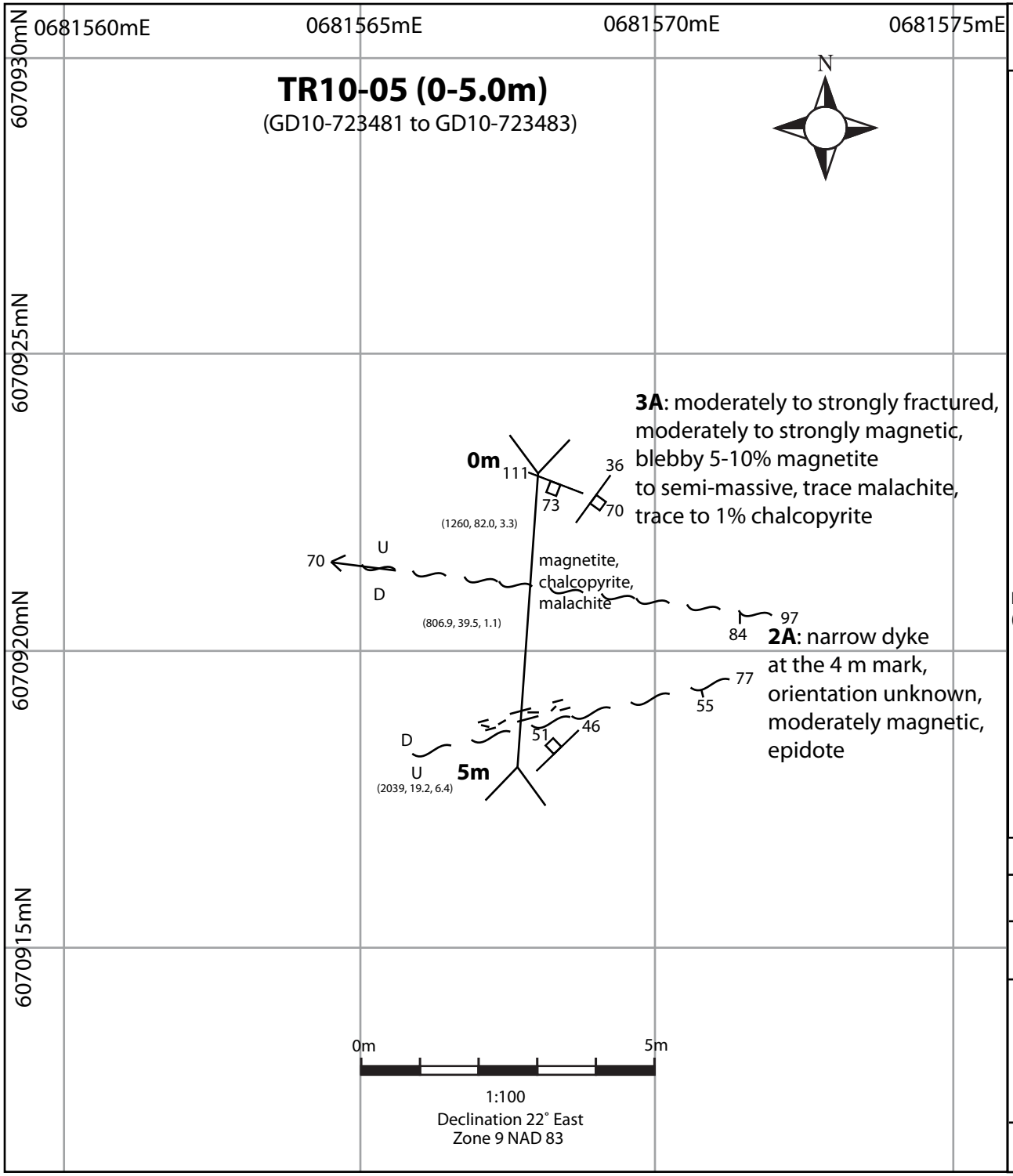
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-04

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/04/10	Scale: 1:100	Figure: 15



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude) 45/25
Fracture (inclined) 45/50
Fracture (inclined with mineralization) 45/50
Quartz Veinlet (inclined) 45/50
Quartz Veinlet (inclined with mineralization) 45/50
Dyke (inclined) 50/45
Pitch of slickensides 45
Continuous Chip Sample Trench
Alteration Contact (assumed)
Diabase dyke

ALTIPLANO MINERALS LIMITED

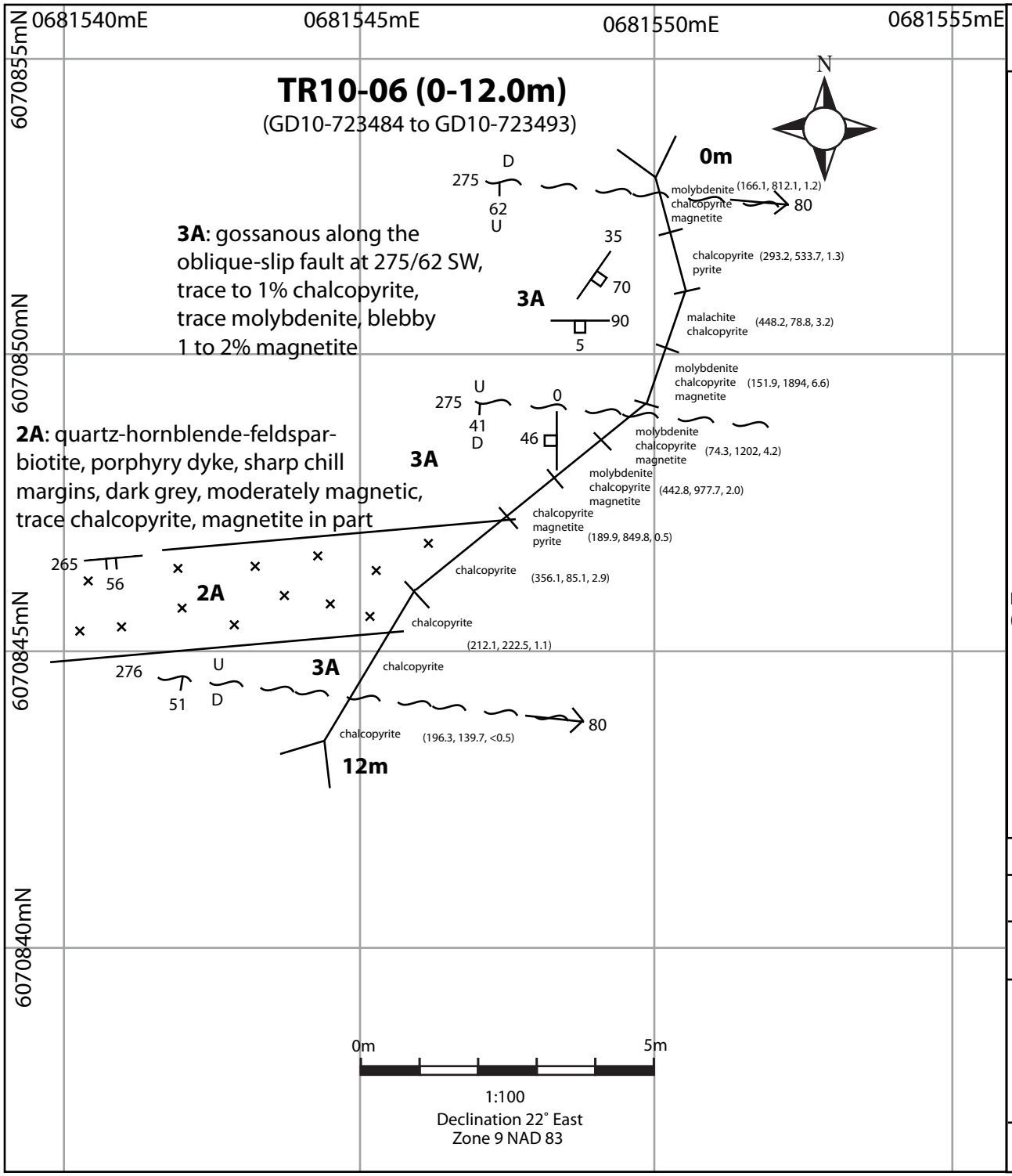
GD PROJECT
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-05

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/05/10	Scale: 1:100	Figure: 16



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit

Geologic Contact (observed)

Geologic Contact (assumed)

Fault (attitude) — 45/25

Fracture (inclined) — 45/50

Fracture (inclined with mineralization) — 45/50

Quartz Veinlet (inclined) — 45/50

Quartz Veinlet (inclined with mineralization) — 45/50

Dyke (inclined) — 50/45

Pitch of slickensides — 45

Continuous Chip Sample Trench

Alteration Contact (assumed)

Porphyry dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

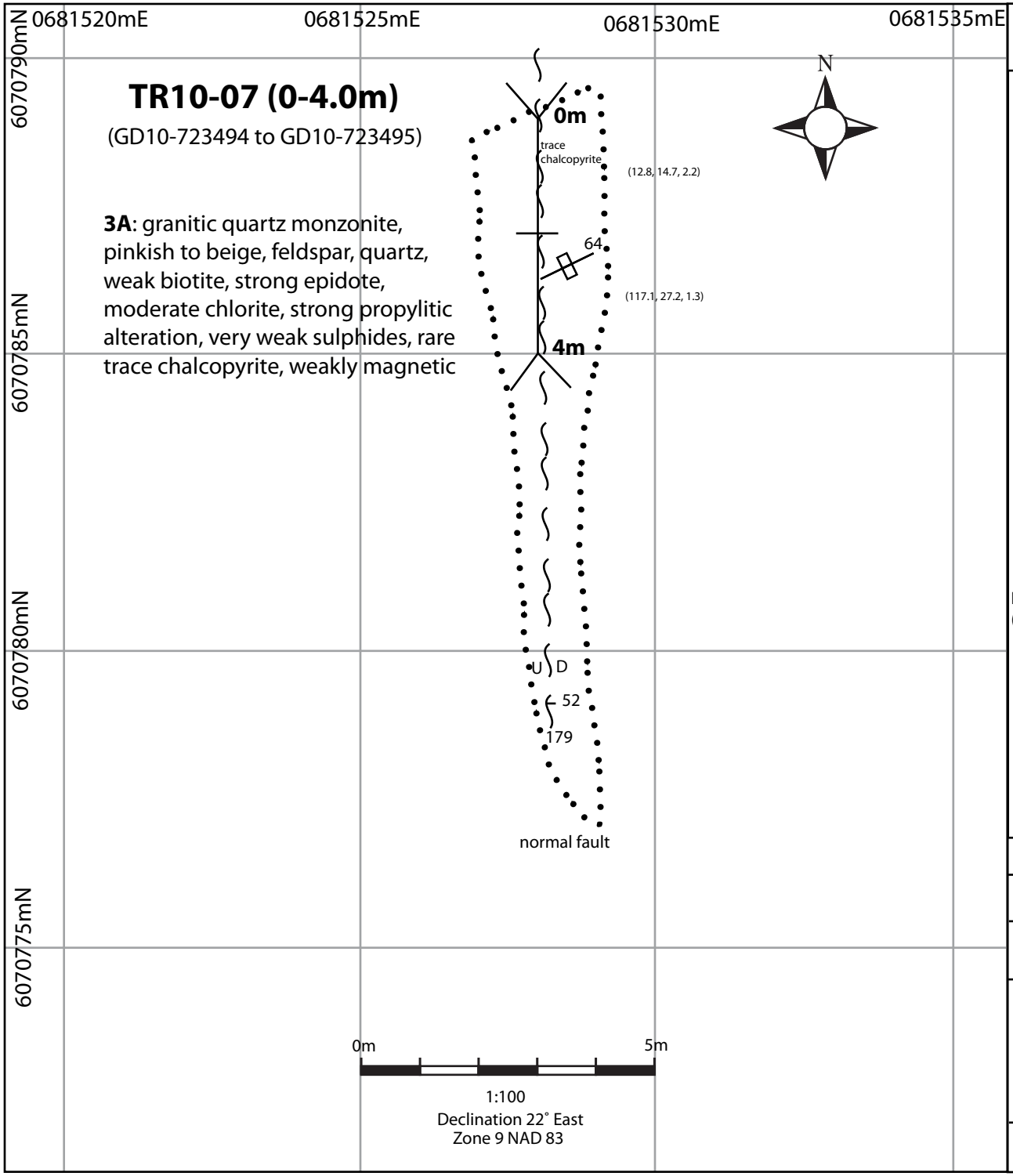
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-06

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 07/29/10	Scale: 1:100	Figure: 18



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude) 45/25
Fracture (inclined) 45/50
Fracture (inclined with mineralization) 45/50
Quartz Veinlet (inclined) 45/50
Quartz Veinlet (inclined with mineralization) 45/50
Dyke (inclined) 50/45
Pitch of slickensides 45
Continuous Chip Sample Trench
Alteration Contact (assumed)
Diabase dyke

ALTIPLANO MINERALS LIMITED

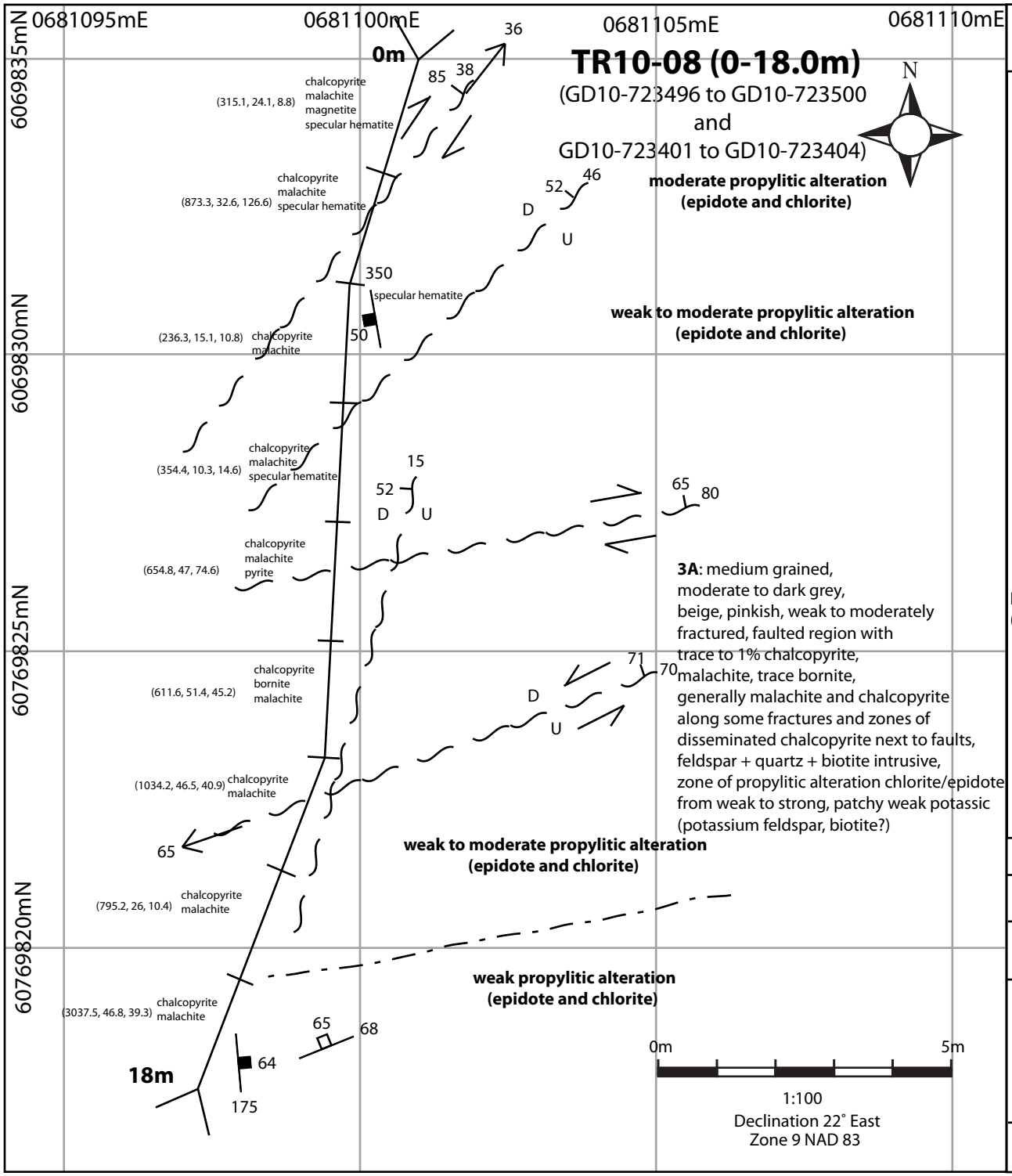
GD PROJECT
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-07

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/05/10	Scale: 1:100	Figure: 18



Legend

Early to Middle Jurassic
(Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic
(Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic
(Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude)
Fracture (inclined)
Fracture (inclined with mineralization)
Quartz Veinlet (inclined)
Quartz Veinlet (inclined with mineralization)
Dyke (inclined)
Pitch of slickensides
Continuous Chip Sample Trench
Alteration Contact (assumed)
Diabase dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

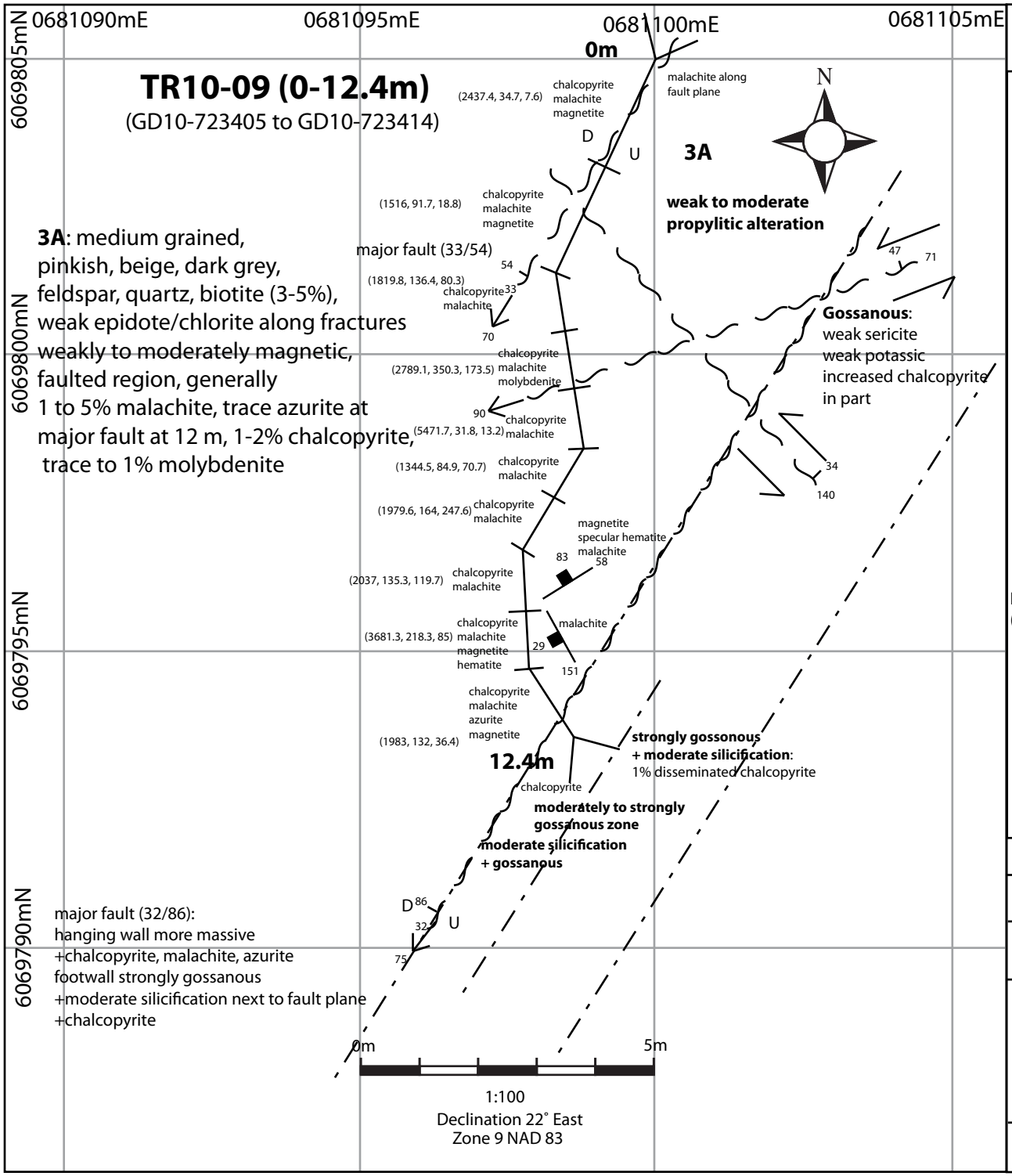
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-08

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/05/10	Scale: 1:100	Figure: 19



Legend

Early to Middle Jurassic
(Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic
(Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic
(Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude) — 45 / 25
Fracture (inclined) — 45 / 50
Fracture (inclined with mineralization) — 45 / 50
Quartz Veinlet (inclined) — 45 / 50
Quartz Veinlet (inclined with mineralization) — 45 / 50
Dyke (inclined) — 50 / 45
Pitch of slickensides — 45
Continuous Chip Sample Trench
Alteration Contact (assumed)
Diabase dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT

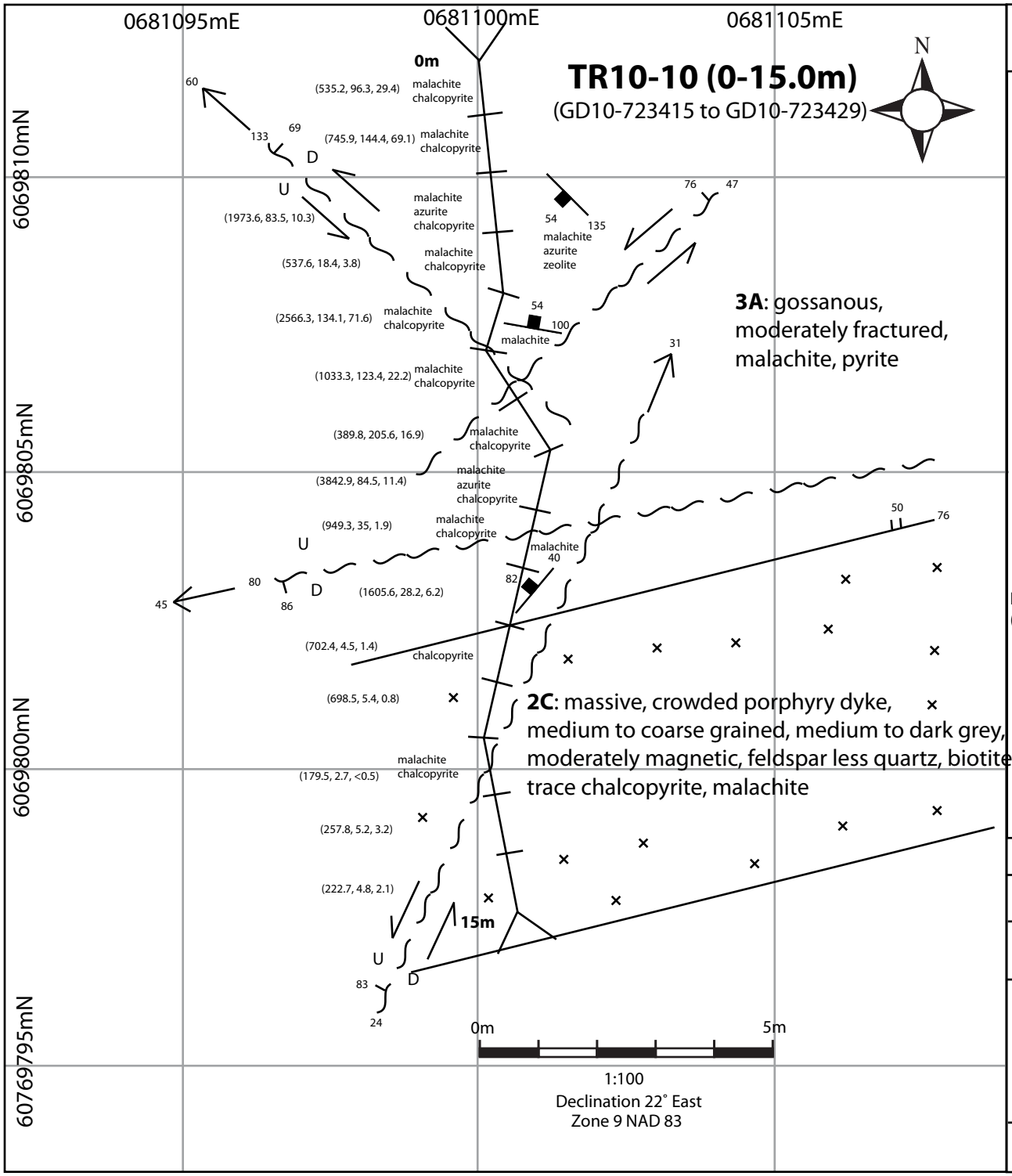
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-09

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/06/10	Scale: 1:100	Figure: 20



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude)
Fracture (inclined)
Fracture (inclined with mineralization)
Quartz Veinlet (inclined)
Quartz Veinlet (inclined with mineralization)
Dyke (inclined)
Pitch of slickensides
Continuous Chip Sample Trench
Alteration Contact (assumed)
Porphyry Dyke

ALTIPLANO MINERALS LIMITED

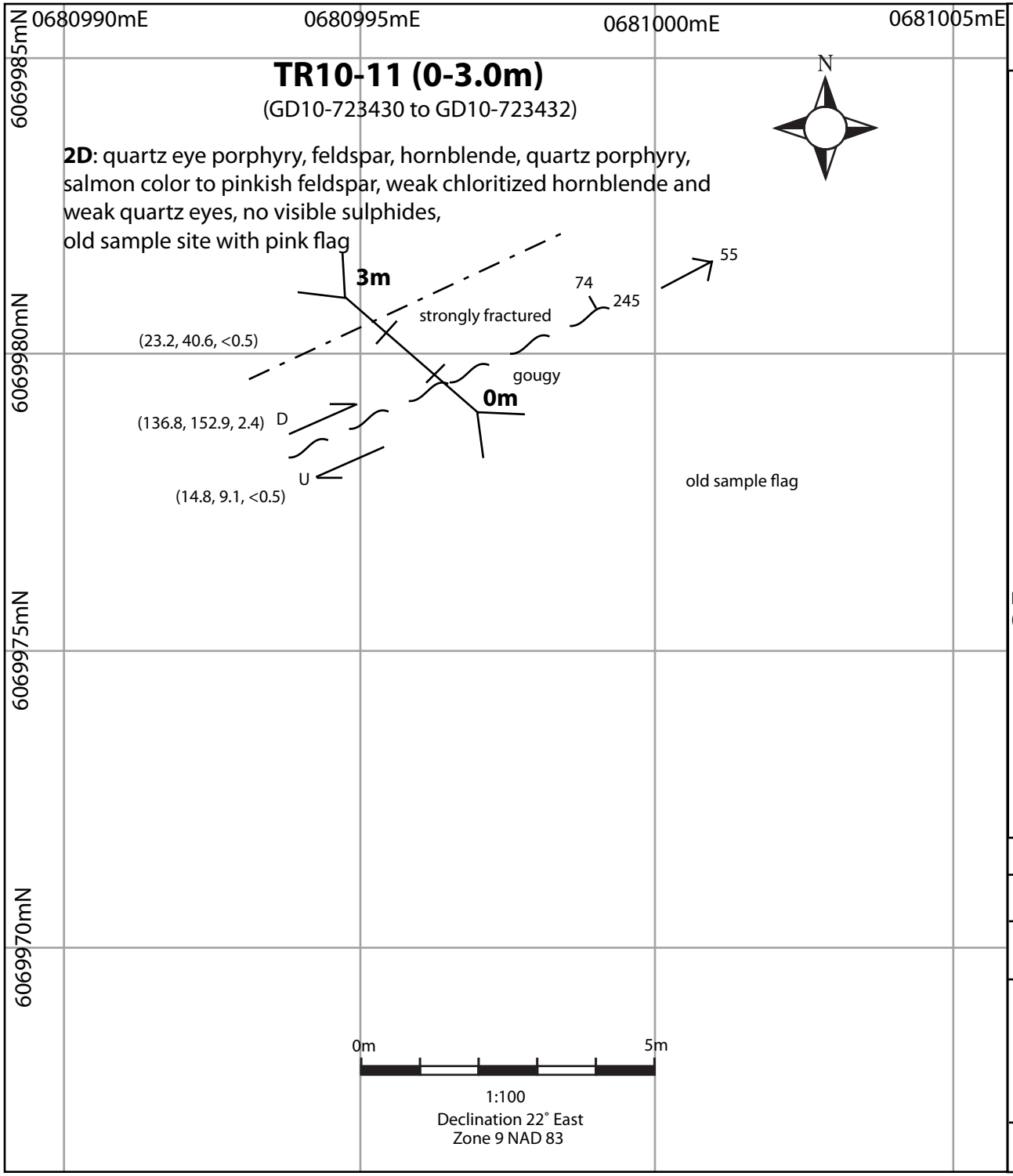
GD PROJECT
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-10

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

Drawn By: BB & BM Date: 08/06/10	Scale: 1:100	Figure: 21



Legend

Early to Middle Jurassic (Hazelton Group Volcanics)

- 1A Andesite
- 1B Basalt

Early to Middle Jurassic

- 2A Quartz-Hornblende-Biotite-Feldspar Porphyry Dyke
- 2B Diabase Dyke
- 2C Crowded Porphyry Dyke (Feldspar Quartz Biotite)
- 2D Feldspar-Hornblende-Quartz eye Porphyry Dyke
- 2E Andesite/Mafic Dyke

Middle Jurassic (Spike Peak Intrusive Suite)

- 3A Quartz Monzonite (granitic)
- 3B Granodiorite

Early Permian to Middle Triassic (Deformed Asitka or Takla Groups)

- 4A Chlorite Schist
- 4B Sericite Schist
- 4C Greenstone

Outcrop Limit
Geologic Contact (observed)
Geologic Contact (assumed)
Fault (attitude) 45 / 25
Fracture (inclined) 45 / 50
Fracture (inclined with mineralization) 45 / 50
Quartz Veinlet (inclined) 45 / 50
Quartz Veinlet (inclined with mineralization) 45 / 50
Dyke (inclined) 50 / 45
Pitch of slickensides 45
Continuous Chip Sample Trench
Alteration Contact (assumed)
Porphyry Dyke

ALTIPLANO MINERALS LIMITED

GD PROJECT
Babine Lake, British Columbia

Continuous Rock Chip Sample

Trench Map TR10-11

with Sample Numbers and
Assays: Cu/Mo/Au(ppm & ppb)

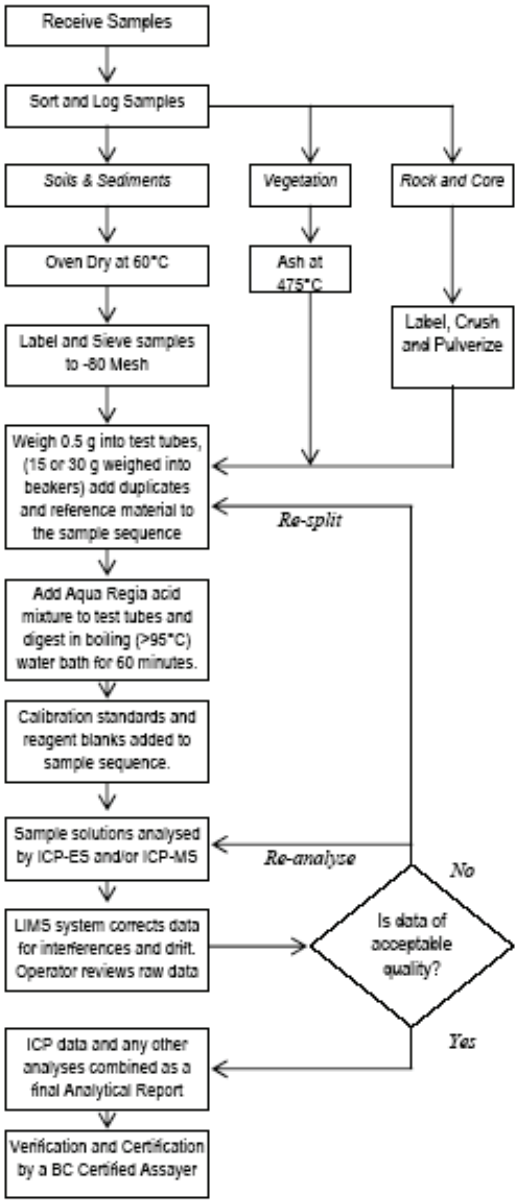
Drawn By: BB & BM Date: 08/06/10	Scale: 1:100	Figure: 22

APPENDIX B
Sample Preparation and Analyses

ACME ANALYTICAL LABORATORIES LTD.

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-180 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 85% passing 200 mesh (75 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO_3 and de-mineralised H_2O is added to each sample to leach for one hour in a heating block or hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

Sample Analysis

Group 1D: solutions aspirated into a Spectro Ciros Vision or Varian 735 emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: solutions aspirated into a Perkin Elmer Elan 6000/9000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, *Ga*, *Hg*, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, *S*, Sb, *Sc*, *Se*, *Tl*, Sr, Th, Ti, U, V, W, Zn.

Quality Control and Data Verification

QA/QC protocol incorporates a sample-prep blank (G-1) as the first sample in the job which is carried through all stages of preparation to analysis. An Analytical Batch comprises 36 client samples and incorporates a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), a reagent blank to measure background and aliquots of in-house Reference Material like STD DS7. Data undergoes a final verification by a British Columbia Certified Assayer who then validates results before it is released to the client.

1020 Cordova St East, Vancouver BC V6A 4A3
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

AcmeLabs ACME ANALYTICAL LABORATORIES LTD.

Group 1D, 1DX ICP-ES & ICP-MS DETECTION LIMITS

	Group 1D Detection	Group 1DX Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	100 ppm
Al*	0.01 %	0.01 %	10 %
As	2 ppm	0.5 ppm	10000 ppm
Au	2 ppm	0.5 ppb	100 ppm
B*^	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	2000 ppm
Ca*	0.01 %	0.01 %	40 %
Cd	0.5 ppm	0.1 ppm	2000 ppm
Co	1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	10000 ppm
Fe*	0.01 %	0.01 %	40 %
Ga*	-	1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	100 ppm
K*	0.01 %	0.01 %	10 %
La*	1 ppm	1 ppm	10000 ppm
Mg*	0.01 %	0.01 %	30 %
Mn*	2 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	2000 ppm
Na*	0.01 %	0.001 %	10 %
Ni	1 ppm	0.1 ppm	10000 ppm
P*	0.001 %	0.001 %	5 %
Pb	3 ppm	0.1 ppm	10000 ppm
S	-	0.05 %	10 %
Sb	3 ppm	0.1 ppm	2000 ppm
Sc	-	0.1 ppm	100 ppm
Se	-	0.5 ppm	100 ppm
Sr*	1 ppm	1 ppm	10000 ppm
Th*	2 ppm	0.1 ppm	2000 ppm
Ti*	0.01 %	0.001 %	10 %
Tl	5 ppm	0.1 ppm	1000 ppm
U*	8 ppm	0.1 ppm	2000 ppm
V*	1 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	100 ppm
Zn	1 ppm	1 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

1020 Cordova St East, Vancouver BC V6A 4A3
Phone (604) 253 3158 Fax (604) 253 1716 e-mail: acmeinfo@acmelab.com

APPENDIX C
Geochemical Results

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

Client: **Rio Minerals Ltd.**
1030 - 475 Howe Street
Vancouver BC V6C 2B3 Canada

Project: GD-10
Report Date: August 10, 2010

CERTIFICATE OF ANALYSIS SMI10000321.1

	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
GD10-723451	Rock	3.78	12.2	954.5	3.0	36	1.0	5.5	12.3	320	3.08	2.2	1.4	8.2	3.4	224	<0.1	0.4	0.9	77	0.87
GD10-723452	Rock	2.66	30.5	3580	4.5	37	3.5	7.9	23.0	316	6.77	2.4	1.6	12.4	3.2	95	0.1	0.6	4.3	80	0.75
GD10-723453	Rock	1.95	194.8	1274	4.3	52	0.6	9.0	20.9	427	3.34	2.4	1.4	10.4	3.0	339	0.2	0.3	1.6	79	0.81
GD10-723454	Rock	2.99	40.1	561.9	10.3	36	0.4	4.2	6.0	183	2.28	2.4	1.1	14.5	1.9	108	<0.1	0.2	0.6	46	0.62
GD10-723455	Rock	1.68	52.0	206.5	35.9	88	0.6	9.7	12.4	264	3.39	11.7	0.5	15.5	1.3	36	0.6	0.3	1.8	69	0.38
GD10-723456	Rock	2.51	17.3	184.1	3.9	66	0.2	29.6	45.7	831	5.24	3.6	0.2	1.3	0.5	110	<0.1	0.3	0.4	127	1.63
GD10-723457	Rock	2.79	3.6	317.6	3.3	42	0.3	20.8	16.8	431	3.29	2.1	0.7	5.4	1.0	250	<0.1	0.2	0.4	96	1.19
GD10-723458	Rock	2.54	1.2	139.8	2.2	60	<0.1	46.1	27.7	707	4.48	1.8	0.2	0.6	0.3	72	<0.1	0.1	<0.1	134	3.03
GD10-723459	Rock	2.68	11.3	108.2	4.6	6	0.1	2.6	2.1	74	2.24	3.2	0.7	9.1	1.6	22	<0.1	0.2	1.0	29	0.10
GD10-723460	Rock	1.63	6.5	222.1	4.4	12	0.1	3.0	3.3	103	2.59	1.6	0.8	14.6	3.3	53	<0.1	0.2	0.4	43	0.19
GD10-723461	Rock	1.85	9.3	587.8	1.9	16	<0.1	4.0	5.9	163	1.95	1.1	0.8	14.1	2.1	58	<0.1	<0.1	0.2	38	0.30
GD10-723462	Rock	3.15	4.3	373.5	2.8	16	0.1	3.9	5.0	147	1.98	1.1	0.8	14.9	2.4	29	<0.1	0.1	0.5	39	0.25
GD10-723463	Rock	3.15	2.7	674.0	3.4	16	<0.1	4.4	7.0	167	1.87	0.9	1.1	9.2	2.1	161	<0.1	0.1	0.1	44	0.42
GD10-723464	Rock	3.16	4.5	1708	3.1	16	0.6	3.8	8.1	148	1.70	0.8	1.0	57.4	2.1	48	<0.1	<0.1	0.3	33	0.29
GD10-723465	Rock	4.98	5.0	2583	2.3	15	0.5	5.2	10.6	158	1.76	0.8	1.0	75.4	2.0	44	<0.1	<0.1	0.3	30	0.24
GD10-723466	Rock	4.42	4.0	1819	2.9	19	0.3	5.7	7.7	183	1.84	0.9	0.9	41.9	2.0	74	<0.1	0.2	0.4	40	0.49
GD10-723467	Rock	4.60	7.3	1147	3.3	37	0.2	6.6	10.6	260	3.07	1.4	0.8	21.4	1.8	36	<0.1	0.1	0.5	53	0.77
GD10-723468	Rock	3.14	2.1	347.6	1.8	36	<0.1	4.0	6.7	243	3.60	1.0	0.7	8.9	1.8	19	<0.1	0.1	0.3	35	1.21
GD10-723469	Rock	3.86	0.3	53.4	3.9	43	<0.1	61.3	27.5	638	4.11	2.6	0.2	0.7	0.2	396	0.1	0.2	<0.1	117	3.16
GD10-723470	Rock	2.43	0.5	47.8	1.7	61	<0.1	47.5	29.5	739	4.81	1.9	0.3	2.0	0.4	334	0.1	0.3	<0.1	119	2.21
GD10-723471	Rock	4.70	908.8	723.7	5.3	19	0.5	5.0	10.7	143	3.07	6.2	1.2	5.2	1.9	36	0.6	0.5	1.7	50	0.32
GD10-723472	Rock	4.18	1115	758.7	8.7	26	0.7	11.4	20.5	209	3.94	8.5	1.8	6.9	2.1	33	0.8	0.7	2.8	63	0.37
GD10-723473	Rock	3.51	26.3	266.0	5.3	25	0.2	4.7	11.5	210	2.64	9.1	0.9	1.8	1.6	37	<0.1	0.5	1.6	41	0.46
GD10-723474	Rock	2.68	30.4	51.1	5.3	40	0.1	5.6	13.4	279	2.59	6.8	0.5	1.7	2.0	27	0.1	0.3	1.0	42	0.70
GD10-723475	Rock	2.31	8.5	31.5	2.7	45	<0.1	5.4	6.1	335	2.46	1.8	0.6	2.0	2.0	27	<0.1	0.2	0.4	47	1.20
GD10-723476	Rock	4.30	31.3	212.0	4.5	45	<0.1	12.4	12.6	379	2.94	2.2	0.8	<0.5	2.3	24	<0.1	0.2	0.6	54	0.77
GD10-723477	Rock	3.05	70.4	169.8	3.2	28	<0.1	4.6	6.3	263	2.42	1.9	0.9	<0.5	2.1	27	<0.1	0.2	0.5	45	1.18
GD10-723478	Rock	4.14	6.9	22.6	1.7	26	<0.1	4.0	5.4	249	2.04	1.6	1.5	<0.5	6.0	22	<0.1	0.2	0.4	49	0.90
GD10-723479	Rock	3.83	5.5	36.7	1.5	16	<0.1	5.5	4.5	177	1.77	3.6	0.7	<0.5	2.0	25	<0.1	0.1	0.2	33	1.36
GD10-723480	Rock	4.33	9.5	787.9	1.7	11	<0.1	5.6	6.7	121	2.98	1.3	0.8	1.2	2.1	25	<0.1	0.2	0.8	45	0.62

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Project: GD-10
Report Date: August 10, 2010

CERTIFICATE OF ANALYSIS SMI10000321.1

	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
GD10-723451	Rock	0.075	12	30	1.22	121	0.210	2	1.70	0.094	0.21	0.8	<0.01	5.3	<0.1	0.38	10	1.0	0.4
GD10-723452	Rock	0.078	8	31	1.16	38	0.170	<1	1.26	0.084	0.08	1.9	<0.01	4.6	<0.1	0.69	9	3.5	0.3
GD10-723453	Rock	0.087	10	31	1.38	107	0.203	1	1.79	0.100	0.17	1.1	<0.01	6.0	<0.1	0.49	9	1.2	<0.2
GD10-723454	Rock	0.086	8	9	0.68	44	0.115	<1	1.18	0.096	0.11	1.1	<0.01	2.7	<0.1	0.31	8	0.6	<0.2
GD10-723455	Rock	0.081	3	20	0.99	28	0.196	1	1.06	0.074	0.06	1.5	0.02	5.7	<0.1	0.47	8	2.2	0.4
GD10-723456	Rock	0.083	5	23	2.37	49	0.333	4	2.59	0.099	0.07	0.3	<0.01	5.8	<0.1	0.95	10	<0.5	<0.2
GD10-723457	Rock	0.077	6	15	1.44	69	0.268	2	1.97	0.148	0.08	0.4	<0.01	3.6	<0.1	0.26	8	0.5	<0.2
GD10-723458	Rock	0.070	5	52	2.33	32	0.328	8	3.55	0.106	0.05	0.2	<0.01	5.1	<0.1	0.17	11	<0.5	<0.2
GD10-723459	Rock	0.042	4	12	0.29	121	0.065	<1	0.45	0.098	0.16	0.7	<0.01	1.3	<0.1	0.30	5	1.8	1.4
GD10-723460	Rock	0.078	11	10	0.53	101	0.066	1	0.78	0.100	0.14	0.5	<0.01	2.3	<0.1	0.15	8	0.5	0.3
GD10-723461	Rock	0.064	8	11	0.57	88	0.035	1	0.80	0.080	0.12	0.2	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
GD10-723462	Rock	0.066	9	11	0.61	62	0.042	2	0.86	0.091	0.13	0.3	<0.01	2.2	<0.1	0.09	6	<0.5	<0.2
GD10-723463	Rock	0.072	10	13	0.68	147	0.095	1	0.94	0.089	0.12	0.4	<0.01	2.9	<0.1	<0.05	7	<0.5	<0.2
GD10-723464	Rock	0.065	8	12	0.56	77	0.046	<1	0.88	0.086	0.17	0.4	<0.01	2.0	<0.1	0.21	6	1.2	<0.2
GD10-723465	Rock	0.059	7	13	0.56	64	0.026	<1	0.79	0.072	0.14	0.3	<0.01	1.6	<0.1	0.25	5	1.1	<0.2
GD10-723466	Rock	0.061	9	14	0.63	78	0.074	1	0.81	0.082	0.12	0.5	<0.01	2.4	<0.1	0.09	6	<0.5	<0.2
GD10-723467	Rock	0.069	7	17	0.90	43	0.046	2	1.14	0.076	0.16	0.5	<0.01	3.2	<0.1	0.25	7	0.6	<0.2
GD10-723468	Rock	0.051	4	11	0.54	28	0.010	2	0.90	0.098	0.12	3.5	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
GD10-723469	Rock	0.059	4	28	2.41	156	0.220	3	4.24	0.430	0.05	<0.1	<0.01	3.3	<0.1	0.11	8	<0.5	<0.2
GD10-723470	Rock	0.085	6	28	2.36	122	0.311	4	3.15	0.229	0.06	0.3	<0.01	4.3	<0.1	<0.05	8	<0.5	<0.2
GD10-723471	Rock	0.097	6	10	0.66	41	0.025	2	1.02	0.134	0.08	11.0	<0.01	2.1	<0.1	1.14	8	1.3	<0.2
GD10-723472	Rock	0.096	7	71	1.09	39	0.031	1	1.27	0.075	0.06	6.1	0.01	2.9	<0.1	1.63	10	1.7	0.3
GD10-723473	Rock	0.093	7	9	0.75	42	0.032	2	0.98	0.125	0.10	0.9	<0.01	1.9	<0.1	0.80	7	0.5	<0.2
GD10-723474	Rock	0.101	8	10	0.88	21	0.021	1	1.11	0.109	0.09	0.6	<0.01	2.1	0.1	0.57	7	<0.5	<0.2
GD10-723475	Rock	0.103	9	9	0.89	25	0.011	2	1.32	0.171	0.13	0.5	<0.01	2.3	<0.1	0.07	8	<0.5	<0.2
GD10-723476	Rock	0.093	8	46	1.11	42	0.030	1	1.33	0.082	0.15	0.6	<0.01	3.0	<0.1	0.27	8	<0.5	<0.2
GD10-723477	Rock	0.101	8	9	0.76	35	0.007	1	1.09	0.112	0.14	0.4	<0.01	1.9	<0.1	0.19	7	<0.5	<0.2
GD10-723478	Rock	0.056	11	18	0.76	41	0.025	<1	0.82	0.077	0.10	0.4	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
GD10-723479	Rock	0.069	8	17	0.59	36	0.016	<1	0.69	0.136	0.09	0.5	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
GD10-723480	Rock	0.064	8	15	0.67	28	0.014	1	0.76	0.087	0.08	0.5	<0.01	2.4	<0.1	0.07	7	0.7	0.5

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CERTIFICATE OF ANALYSIS SMI10000321.1

	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
GD10-723481	Rock	5.68	82.0	1260	3.4	14	0.5	8.1	6.9	210	2.81	2.6	0.9	3.3	2.2	44	0.1	0.2	1.5	60	0.39
GD10-723482	Rock	3.30	39.5	806.9	2.9	13	0.3	6.6	5.1	177	2.58	2.3	0.8	1.1	2.1	73	<0.1	0.2	1.1	49	0.49
GD10-723483	Rock	4.17	19.2	2039	3.5	11	0.5	9.0	7.0	147	3.36	3.4	0.9	6.4	1.9	56	<0.1	0.3	1.1	56	0.47
GD10-723484	Rock	3.19	812.1	166.1	5.3	22	<0.1	5.2	11.8	195	2.12	2.2	0.7	1.2	2.1	37	0.5	0.3	0.7	52	0.43
GD10-723485	Rock	3.71	533.7	293.2	4.4	28	<0.1	5.7	11.3	239	2.80	1.9	0.7	1.3	2.1	50	0.3	0.4	0.7	60	0.62
GD10-723486	Rock	2.68	78.8	448.2	4.2	20	0.1	5.3	13.8	255	2.50	2.1	0.7	3.2	2.1	63	0.1	0.2	0.5	46	0.85
GD10-723487	Rock	3.64	1894	151.9	18.5	19	0.3	4.2	10.2	186	2.66	4.4	1.0	6.6	1.8	46	1.0	0.3	3.8	47	0.45
GD10-723488	Rock	3.14	1202	74.3	5.4	16	<0.1	3.8	8.5	186	2.98	2.5	0.7	4.2	1.9	37	0.9	0.3	2.4	46	0.35
GD10-723489	Rock	2.18	977.7	442.8	4.6	24	0.2	5.4	7.5	249	2.40	1.9	0.8	2.0	2.4	42	0.6	0.3	0.9	59	0.47
GD10-723490	Rock	2.97	849.8	189.9	4.5	21	0.1	4.9	7.2	203	2.23	2.2	0.9	0.5	1.8	36	0.3	0.2	1.1	58	0.46
GD10-723491	Rock	3.24	85.1	356.1	2.5	28	0.2	7.1	9.5	269	3.12	2.0	1.4	2.9	3.5	65	0.1	0.3	0.9	79	0.63
GD10-723492	Rock	4.08	222.5	212.1	5.9	24	0.2	4.8	4.7	206	2.62	2.2	0.8	1.1	2.3	68	0.1	0.3	1.6	59	0.51
GD10-723493	Rock	3.32	139.7	196.3	5.4	22	0.1	4.5	5.4	206	2.49	2.5	1.0	<0.5	2.3	75	<0.1	0.4	1.8	51	0.55
GD10-439041	Rock	1.36	126.9	707.5	7.3	4	1.8	2.0	11.9	35	3.14	4.3	0.5	74.6	1.2	29	<0.1	0.2	3.9	21	0.06
GD10-439042	Rock	1.32	35.7	299.0	6.5	43	0.2	8.2	16.8	424	10.84	2.0	1.5	7.9	2.0	90	<0.1	0.4	2.6	109	0.40
GD10-439043	Rock	0.94	7.3	50.8	2.2	39	<0.1	6.0	9.5	385	4.65	1.8	0.7	3.8	2.1	24	<0.1	<0.1	0.5	52	0.75

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	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
GD10-723481	Rock	0.085	6	34	1.04	173	0.114	1	1.40	0.165	0.43	1.2	<0.01	5.3	0.1	0.30	8	1.5	<0.2
GD10-723482	Rock	0.080	5	25	0.89	119	0.109	1	1.29	0.121	0.26	0.9	<0.01	4.2	<0.1	0.09	8	0.6	<0.2
GD10-723483	Rock	0.084	6	28	0.92	93	0.146	2	1.25	0.219	0.24	1.4	<0.01	4.6	<0.1	0.40	8	2.1	0.2
GD10-723484	Rock	0.098	9	14	0.85	121	0.106	2	0.97	0.094	0.22	0.7	<0.01	2.9	<0.1	0.24	8	0.6	<0.2
GD10-723485	Rock	0.095	9	13	0.91	95	0.076	2	1.03	0.116	0.18	0.7	<0.01	3.0	<0.1	0.12	8	<0.5	0.2
GD10-723486	Rock	0.108	8	11	0.78	48	0.068	1	0.94	0.115	0.10	0.8	<0.01	2.4	<0.1	0.10	7	<0.5	<0.2
GD10-723487	Rock	0.107	9	10	0.66	62	0.045	<1	0.87	0.109	0.14	0.8	<0.01	2.2	<0.1	0.60	7	1.6	0.8
GD10-723488	Rock	0.099	7	11	0.68	63	0.073	1	0.81	0.093	0.13	0.9	<0.01	2.2	<0.1	0.45	7	0.8	0.2
GD10-723489	Rock	0.093	10	15	0.93	118	0.089	2	1.10	0.117	0.23	0.5	<0.01	3.5	<0.1	0.16	8	0.7	<0.2
GD10-723490	Rock	0.101	8	13	0.85	68	0.109	2	0.94	0.100	0.19	0.5	<0.01	3.4	<0.1	0.35	7	0.6	0.2
GD10-723491	Rock	0.070	12	30	1.28	188	0.196	2	1.48	0.125	0.56	0.6	<0.01	6.9	0.2	0.15	9	<0.5	0.3
GD10-723492	Rock	0.093	8	15	1.01	122	0.132	1	1.17	0.090	0.31	0.7	<0.01	4.1	0.1	0.56	8	<0.5	<0.2
GD10-723493	Rock	0.097	9	14	0.91	125	0.124	2	1.20	0.137	0.27	0.8	<0.01	3.7	<0.1	0.56	8	<0.5	0.3
GD10-439041	Rock	0.044	2	6	0.13	118	0.024	<1	0.32	0.141	0.20	0.5	<0.01	1.1	<0.1	1.38	4	3.8	0.8
GD10-439042	Rock	0.076	9	11	1.01	115	0.124	1	1.23	0.179	0.14	12.5	<0.01	3.7	<0.1	<0.05	12	0.7	0.4
GD10-439043	Rock	0.094	7	10	0.75	15	0.055	<1	1.10	0.263	0.04	1.1	<0.01	2.6	<0.1	<0.05	8	<0.5	<0.2

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Project: GD-10
Report Date: August 16, 2010

CERTIFICATE OF ANALYSIS SMI10000354.1

	Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	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	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
GD10-723434	Rock	1.94	43.93	183.7	1.32	18.2	161	3.7	4.4	175	2.07	1.2	0.7	3.7	1.8	66.8	0.05	0.20	1.36	32	1.09
GD10-723435	Rock	2.29	32.07	93.98	1.73	20.7	72	4.7	5.6	273	2.21	1.0	0.6	1.9	1.7	105.8	<0.01	0.19	0.68	41	1.00
439045	Rock	1.72	0.53	2.68	1.21	7.5	11	0.8	1.0	207	0.52	0.6	<0.1	0.7	0.1	5.9	0.02	0.12	0.05	<2	0.16

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
GD10-723434	Rock	0.103	6.5	10.3	0.45	62.1	0.055	1	0.78	0.093	0.12	0.8	2.0	0.03	<0.02	<5	0.3	0.08	5.5	0.17	<0.1
GD10-723435	Rock	0.087	6.7	12.0	0.69	83.2	0.076	1	0.82	0.076	0.08	0.8	2.5	<0.02	<0.02	5	<0.1	0.04	5.8	0.18	<0.1
439045	Rock	0.009	1.5	29.5	0.01	21.4	0.001	<1	0.06	0.010	0.03	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	0.3	0.04	<0.1

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
GD10-723434	Rock	0.09	0.13	5.5	0.7	<0.05	1.3	5.79	13.9	<0.02	5	0.2	4.0	<10	<2
GD10-723435	Rock	0.09	0.13	3.8	0.6	<0.05	1.5	5.59	14.0	<0.02	2	0.5	5.4	<10	<2
439045	Rock	<0.02	0.07	0.8	<0.1	<0.05	0.2	0.86	3.7	<0.02	<1	<0.1	0.2	<10	<2

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CERTIFICATE OF ANALYSIS SMI10000317.1

		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
709000N 81250E	Soil		1.7	137.8	18.8	256	0.1	16.7	10.5	2910	2.97	12.4	0.6	4.8	1.0	37	0.3	1.2	0.1	54	0.58	0.072
709000N 81275E	Soil		0.9	58.6	9.5	72	0.2	14.0	8.2	943	2.35	10.0	0.9	2.7	0.9	35	0.3	1.0	0.1	46	0.54	0.069
709000N 81300E	Soil		0.8	25.8	8.8	89	0.1	9.4	7.3	717	2.44	6.9	0.4	1.3	0.7	27	0.4	1.1	0.1	50	0.42	0.072
709000N 81325E	Soil		0.8	16.4	9.2	73	0.1	9.9	7.6	670	2.64	8.4	0.3	0.9	0.7	26	0.2	0.8	0.1	56	0.24	0.146
709000N 81350E	Soil		0.8	18.8	8.3	79	0.2	11.1	7.5	532	2.75	9.3	0.3	1.9	0.9	24	0.2	1.0	0.1	57	0.28	0.170
709000N 81375E	Soil		1.1	20.9	9.1	64	<0.1	15.1	8.9	374	3.16	13.1	0.4	4.0	1.0	14	0.1	1.2	0.1	62	0.15	0.098
709000N 81400E	Soil		0.8	13.0	8.8	80	<0.1	14.2	8.4	359	3.18	12.8	0.4	<0.5	0.9	16	0.2	1.1	<0.1	62	0.16	0.113
709000N 81425E	Soil		1.0	11.8	8.7	71	<0.1	9.7	7.1	347	2.73	9.2	0.3	<0.5	0.8	14	0.1	0.9	<0.1	54	0.15	0.082
709000N 81450E	Soil		1.0	15.5	8.7	88	0.2	9.9	8.3	438	3.04	9.2	0.3	1.5	0.8	17	0.3	1.0	0.1	69	0.17	0.101
709000N 81475E	Soil		0.9	12.2	10.1	91	0.1	9.5	7.6	631	3.01	8.7	0.3	<0.5	0.7	12	0.4	1.1	0.1	65	0.15	0.141
709000N 81500E	Soil		1.0	14.4	9.5	88	0.2	13.9	11.0	569	3.25	9.8	0.3	2.1	0.7	18	0.2	0.8	0.1	71	0.22	0.148
709000N 81525E	Soil		1.4	11.5	9.8	77	<0.1	10.8	7.9	479	2.95	8.5	0.3	<0.5	0.8	19	0.3	0.9	0.1	62	0.20	0.135
709000N 81550E	Soil		3.2	35.5	8.7	78	<0.1	15.0	9.5	767	2.92	11.9	0.4	0.9	0.8	37	0.5	0.9	0.2	59	0.40	0.060
709000N 81575E	Soil		2.8	54.9	12.5	72	0.1	18.0	11.6	847	3.18	19.2	0.7	1.1	0.6	51	0.4	1.1	0.2	63	0.75	0.063
709000N 81600E	Soil		1.6	21.1	8.9	82	<0.1	15.7	9.6	635	3.09	12.3	0.4	0.8	1.1	20	0.2	1.0	<0.1	61	0.21	0.121
709000N 81625E	Soil		0.9	17.6	7.9	54	<0.1	11.2	7.5	264	2.60	8.8	0.3	0.6	0.9	22	0.1	1.0	<0.1	56	0.24	0.066
709000N 81650E	Soil		0.8	19.6	8.1	53	<0.1	11.6	7.6	397	2.65	10.7	0.4	2.2	0.9	22	0.2	1.0	<0.1	56	0.24	0.042
709000N 81675E	Soil		0.6	12.6	6.6	56	0.1	6.2	4.5	403	1.15	2.0	0.3	<0.5	0.3	21	0.1	0.3	<0.1	31	0.22	0.022
709000N 81700E	Soil		1.0	17.2	8.1	82	0.2	8.7	6.9	930	2.20	6.2	0.3	<0.5	0.4	28	0.3	0.6	0.1	50	0.30	0.057
709000N 81725E	Soil		1.2	12.5	8.1	82	0.1	9.8	6.5	240	3.20	10.4	0.3	0.9	0.8	19	0.2	0.7	0.1	70	0.17	0.060
709000N 81750E	Soil		0.7	11.4	6.0	53	<0.1	6.8	4.0	186	1.40	2.7	0.3	1.6	0.2	22	0.1	0.3	<0.1	36	0.18	0.027
70950N 81250E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70950N 81275E	Soil		1.0	39.3	8.6	56	0.1	11.1	7.3	681	2.64	9.7	0.3	2.7	0.6	27	0.1	0.9	0.1	59	0.30	0.053
70950N 81300E	Soil		1.1	14.7	8.9	73	0.1	5.9	7.6	1970	2.37	4.5	0.3	1.0	0.5	23	0.4	0.7	<0.1	49	0.20	0.142
70950N 81325E	Soil		0.8	14.4	8.0	63	<0.1	7.8	6.9	937	2.43	6.8	0.3	16.7	0.6	23	0.2	0.6	<0.1	55	0.22	0.127
70950N 81350E	Soil		1.1	14.8	8.8	67	0.2	6.6	7.0	537	2.66	7.3	0.3	4.5	0.4	31	0.3	0.9	0.1	61	0.26	0.144
70950N 81375E	Soil		1.0	19.9	9.3	72	0.1	9.8	9.0	964	2.79	9.3	0.3	<0.5	0.6	23	0.3	0.9	0.1	60	0.22	0.127
70950N 81400E	Soil		0.8	20.6	7.5	53	<0.1	12.8	7.6	357	2.84	13.5	0.3	1.0	0.8	18	0.1	1.1	<0.1	60	0.17	0.083
70950N 81425E	Soil		1.0	23.9	7.7	69	<0.1	14.8	8.7	415	2.98	13.0	0.4	<0.5	0.9	18	0.2	1.1	<0.1	63	0.20	0.098
70950N 81450E	Soil		1.1	14.7	9.9	87	0.1	9.4	8.2	1164	2.87	7.6	0.3	0.7	0.3	18	0.5	0.8	0.1	64	0.20	0.059

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CERTIFICATE OF ANALYSIS SMI10000317.1

		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
709000N 81250E	Soil		8	17	0.47	295	0.049	2	0.94	0.021	0.05	0.2	0.06	4.5	<0.1	<0.05	3	0.7	<0.2
709000N 81275E	Soil		9	15	0.35	214	0.042	2	0.98	0.019	0.04	<0.1	0.06	5.1	<0.1	<0.05	3	0.5	<0.2
709000N 81300E	Soil		6	14	0.28	205	0.043	2	0.77	0.012	0.05	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
709000N 81325E	Soil		5	15	0.24	235	0.042	1	1.15	0.009	0.03	0.2	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
709000N 81350E	Soil		5	15	0.33	242	0.044	2	1.19	0.007	0.05	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
709000N 81375E	Soil		5	16	0.36	117	0.042	1	1.32	0.008	0.03	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
709000N 81400E	Soil		5	16	0.33	140	0.038	<1	1.34	0.007	0.04	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
709000N 81425E	Soil		4	14	0.24	114	0.035	1	1.04	0.007	0.03	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
709000N 81450E	Soil		5	17	0.34	206	0.036	1	1.31	0.008	0.04	0.2	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
709000N 81475E	Soil		4	15	0.25	116	0.043	1	1.03	0.007	0.04	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
709000N 81500E	Soil		4	23	0.42	143	0.044	2	1.37	0.007	0.04	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
709000N 81525E	Soil		4	15	0.28	127	0.043	2	1.07	0.010	0.06	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
709000N 81550E	Soil		5	17	0.36	247	0.031	2	1.25	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
709000N 81575E	Soil		8	21	0.54	307	0.048	5	1.35	0.010	0.09	0.3	0.06	4.7	<0.1	<0.05	4	0.7	<0.2
709000N 81600E	Soil		6	17	0.35	146	0.044	<1	1.35	0.013	0.04	0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
709000N 81625E	Soil		5	15	0.34	134	0.048	1	0.99	0.011	0.04	0.1	0.02	3.2	<0.1	<0.05	3	<0.5	<0.2
709000N 81650E	Soil		5	15	0.34	120	0.053	1	0.93	0.012	0.05	<0.1	0.02	3.4	<0.1	<0.05	3	<0.5	<0.2
709000N 81675E	Soil		6	9	0.21	177	0.033	<1	0.87	0.009	0.03	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
709000N 81700E	Soil		7	13	0.27	304	0.040	<1	1.09	0.009	0.05	0.2	0.05	2.2	<0.1	<0.05	5	<0.5	<0.2
709000N 81725E	Soil		5	15	0.24	159	0.035	1	1.44	0.008	0.03	0.2	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
709000N 81750E	Soil		5	11	0.25	147	0.038	<1	0.93	0.009	0.04	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
70950N 81250E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70950N 81275E	Soil		5	15	0.30	206	0.052	1	1.04	0.010	0.05	0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
70950N 81300E	Soil		5	12	0.10	238	0.042	1	0.78	0.007	0.05	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
70950N 81325E	Soil		5	14	0.18	227	0.050	<1	1.08	0.010	0.06	0.1	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
70950N 81350E	Soil		5	14	0.19	227	0.041	2	1.08	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
70950N 81375E	Soil		5	15	0.27	208	0.048	2	1.10	0.007	0.05	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
70950N 81400E	Soil		4	15	0.35	113	0.051	<1	1.23	0.008	0.03	0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
70950N 81425E	Soil		5	16	0.35	160	0.055	1	1.28	0.009	0.04	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
70950N 81450E	Soil		5	15	0.29	261	0.036	1	1.16	0.008	0.05	0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2

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CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70950N 81475E	Soil		1.2	52.9	8.3	44	0.2	10.3	6.2	387	2.46	9.7	0.8	<0.5	0.3	57	0.5	1.0	<0.1	51	1.34	0.039
70950N 81500E	Soil		1.1	17.0	8.8	53	<0.1	10.2	8.1	539	2.54	8.5	0.3	1.5	0.7	33	0.3	0.8	<0.1	55	0.49	0.023
70950N 81525E	Soil		1.0	42.8	9.8	52	0.2	11.6	9.1	450	2.80	10.9	0.7	1.7	0.5	49	0.3	0.9	0.1	58	0.77	0.052
70950N 81550E	Soil		1.0	36.9	8.3	58	0.1	12.5	8.7	751	2.20	9.0	0.6	1.4	0.4	64	0.4	1.0	<0.1	45	1.44	0.070
70950N 81575E	Soil		3.0	53.7	9.5	79	0.2	15.5	9.6	1305	2.91	9.8	0.7	0.7	0.4	43	0.7	0.9	0.1	56	0.63	0.068
70950N 81600E	Soil		1.1	21.7	8.4	61	<0.1	12.0	8.5	538	2.80	11.4	0.3	1.3	0.8	23	0.3	1.1	0.1	59	0.24	0.067
70950N 81625E	Soil		1.7	30.0	10.1	56	0.2	14.4	9.3	601	2.58	11.3	0.4	1.2	0.5	34	0.2	1.1	0.1	50	0.50	0.059
70950N 81650E	Soil		1.0	28.4	8.7	62	0.1	15.0	9.9	608	2.72	12.3	0.3	3.7	0.6	31	0.3	1.2	<0.1	52	0.47	0.080
70950N 81675E	Soil		1.0	24.9	7.5	84	0.3	13.9	8.2	1082	2.34	6.9	0.5	2.9	0.7	31	0.2	0.6	0.1	50	0.34	0.079
70950N 81700E	Soil		0.8	12.4	6.2	62	0.1	8.1	5.3	368	1.89	5.9	0.3	1.0	0.5	23	0.2	0.6	0.2	45	0.23	0.052
70950N 81725E	Soil		1.1	19.6	8.3	66	0.1	12.4	7.8	724	2.64	10.9	0.3	3.0	0.7	27	0.4	0.9	<0.1	57	0.32	0.107
70950N 81750E	Soil		1.1	14.8	13.6	99	0.1	13.8	11.1	757	3.74	15.4	0.4	0.6	0.9	22	0.4	1.1	<0.1	70	0.31	0.284
71000N 81250E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81275E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81300E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81325E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81350E	Soil		1.0	75.5	9.5	43	0.6	14.7	7.3	1920	2.15	6.8	1.0	1.5	0.3	67	1.2	0.8	0.1	44	1.49	0.088
71000N 81375E	Soil		0.8	16.1	8.4	81	<0.1	10.3	7.6	989	2.65	6.9	0.4	1.5	0.7	31	0.4	0.8	0.1	54	0.55	0.049
71000N 81400E	Soil		0.9	18.6	10.8	83	<0.1	10.7	8.2	1201	2.81	7.5	0.4	<0.5	0.6	23	0.5	0.8	0.1	55	0.31	0.079
71000N 81425E	Soil		0.9	27.7	9.5	68	<0.1	14.8	9.5	525	3.27	16.3	0.4	3.5	0.9	26	0.3	1.3	0.1	73	0.37	0.058
71000N 81450E	Soil		0.8	110.1	3.9	30	0.3	10.7	3.9	738	1.11	6.0	2.5	1.2	<0.1	104	0.8	1.6	<0.1	21	2.96	0.125
71000N 81475E	Soil		0.6	13.0	3.0	26	<0.1	4.6	2.5	138	0.87	3.5	0.2	0.7	<0.1	89	0.4	0.4	<0.1	15	3.08	0.073
71000N 81500E	Soil		1.4	15.8	8.2	72	<0.1	12.9	9.3	618	3.15	11.0	0.3	3.2	0.8	24	0.2	0.9	<0.1	72	0.35	0.025
71000N 81525E	Soil		1.7	13.7	7.7	67	<0.1	11.9	8.5	421	3.11	11.4	0.2	0.6	0.7	19	0.1	0.9	<0.1	66	0.21	0.035
71000N 81550E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81575E	Soil		4.3	22.6	7.5	53	<0.1	12.6	8.8	425	2.61	11.5	0.3	<0.5	0.7	27	0.2	0.9	<0.1	52	0.30	0.052
71000N 81600E	Soil		1.9	18.2	7.7	103	<0.1	12.3	9.1	1074	2.80	9.5	0.3	<0.5	0.7	23	0.8	0.8	<0.1	56	0.24	0.142
71000N 81625E	Soil		1.6	42.3	10.0	86	0.3	21.8	10.9	1475	2.93	12.2	0.4	0.5	0.4	54	1.0	1.2	0.1	58	0.77	0.104
71000N 81650E	Soil		1.1	22.9	9.3	69	<0.1	14.9	9.3	543	2.93	13.9	0.4	2.2	0.5	33	0.4	1.1	<0.1	64	0.53	0.065
71000N 81675E	Soil		0.9	36.0	10.5	74	0.2	20.0	12.3	788	3.29	15.1	0.4	1.3	1.3	37	0.2	1.4	0.1	65	0.54	0.081

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1030 - 475 Howe Street
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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70950N 81475E	Soil		5	18	0.28	477	0.039	3	0.96	0.023	0.04	0.1	0.09	2.6	<0.1	<0.05	4	1.2	<0.2
70950N 81500E	Soil		4	16	0.34	255	0.045	1	0.98	0.015	0.04	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70950N 81525E	Soil		6	21	0.38	305	0.041	2	1.02	0.023	0.05	0.1	0.08	3.9	<0.1	<0.05	4	0.8	<0.2
70950N 81550E	Soil		6	15	0.38	354	0.034	6	0.80	0.027	0.06	0.1	0.06	3.3	<0.1	0.06	3	1.2	<0.2
70950N 81575E	Soil		13	17	0.37	299	0.028	3	1.35	0.011	0.09	0.2	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
70950N 81600E	Soil		5	14	0.35	118	0.062	2	1.00	0.013	0.06	0.1	0.03	3.3	<0.1	<0.05	3	<0.5	0.2
70950N 81625E	Soil		7	16	0.38	158	0.041	2	0.97	0.012	0.09	0.1	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
70950N 81650E	Soil		8	16	0.42	155	0.034	4	1.04	0.015	0.10	<0.1	0.06	4.2	<0.1	<0.05	3	<0.5	<0.2
70950N 81675E	Soil		9	17	0.40	270	0.015	2	1.78	0.015	0.06	0.1	0.06	3.8	0.1	<0.05	5	<0.5	<0.2
70950N 81700E	Soil		6	12	0.23	155	0.029	1	1.05	0.009	0.05	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
70950N 81725E	Soil		4	15	0.29	162	0.039	2	1.09	0.009	0.06	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70950N 81750E	Soil		5	17	0.42	175	0.038	2	1.44	0.008	0.05	0.2	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
71000N 81250E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81275E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81300E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81325E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81350E	Soil		12	14	0.26	480	0.026	3	1.07	0.038	0.04	<0.1	0.09	3.6	<0.1	0.07	3	0.9	<0.2
71000N 81375E	Soil		5	14	0.33	266	0.048	4	1.12	0.019	0.05	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
71000N 81400E	Soil		5	15	0.24	258	0.042	2	1.10	0.010	0.04	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
71000N 81425E	Soil		6	17	0.38	146	0.057	3	1.02	0.015	0.05	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
71000N 81450E	Soil		10	14	0.24	538	0.012	12	0.53	0.036	0.03	<0.1	0.15	1.2	<0.1	0.16	2	2.5	<0.2
71000N 81475E	Soil		2	8	0.20	498	0.017	11	0.38	0.034	0.04	<0.1	0.04	0.8	<0.1	0.19	1	0.7	<0.2
71000N 81500E	Soil		6	18	0.32	196	0.039	2	1.24	0.018	0.04	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
71000N 81525E	Soil		4	16	0.31	223	0.035	2	1.13	0.010	0.04	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
71000N 81550E	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
71000N 81575E	Soil		5	15	0.35	112	0.033	3	1.01	0.008	0.06	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
71000N 81600E	Soil		5	16	0.31	210	0.035	2	1.10	0.009	0.07	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
71000N 81625E	Soil		12	18	0.45	352	0.028	3	1.46	0.015	0.09	0.1	0.07	4.4	<0.1	<0.05	4	<0.5	<0.2
71000N 81650E	Soil		7	18	0.40	134	0.045	3	1.17	0.018	0.08	0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
71000N 81675E	Soil		11	21	0.53	208	0.047	3	1.38	0.023	0.07	0.1	0.08	6.6	<0.1	<0.05	5	<0.5	<0.2

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		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
71000N 81700E	Soil		1.1	18.6	6.5	61	0.1	11.1	7.2	281	2.67	10.7	0.3	2.0	0.7	29	0.3	0.9	0.1	61	0.35	0.074
71000N 81725E	Soil		0.8	20.6	6.9	50	<0.1	13.4	7.4	300	2.77	11.9	0.3	0.8	1.0	22	<0.1	0.9	<0.1	61	0.20	0.063
71000N 81750E	Soil		1.3	17.1	9.0	133	0.3	10.3	9.5	1473	3.29	11.6	0.3	1.4	0.6	28	0.7	0.7	0.1	75	0.33	0.137
70600N 81250E	Soil		0.8	33.6	9.3	69	0.1	16.1	10.4	764	2.95	14.9	0.4	2.3	1.1	39	0.4	1.3	<0.1	60	0.75	0.096
70600N 81275E	Soil		0.9	19.3	8.0	58	<0.1	12.2	8.3	468	2.85	12.3	0.3	1.8	1.0	24	0.1	1.0	<0.1	60	0.29	0.059
70600N 81300E	Soil		0.9	16.1	8.8	73	<0.1	13.1	7.9	574	2.93	12.0	0.3	<0.5	0.9	23	0.2	0.9	<0.1	66	0.31	0.057
70600N 81325E	Soil		1.0	17.9	7.8	59	<0.1	12.4	8.5	588	2.87	12.7	0.3	0.8	1.0	28	0.2	1.1	<0.1	64	0.32	0.046
70600N 81350E	Soil		1.5	25.8	8.7	65	<0.1	14.1	9.5	495	3.04	33.8	0.3	8.6	0.8	27	0.2	3.9	0.1	61	0.30	0.040
70600N 81375E	Soil		1.5	18.6	8.1	90	<0.1	15.0	10.1	558	3.21	12.6	0.4	1.4	0.9	25	0.3	0.8	<0.1	68	0.25	0.111
70600N 81400E	Soil		2.3	21.3	7.4	70	<0.1	14.6	9.8	672	3.23	11.0	0.5	0.8	1.2	35	0.2	0.9	<0.1	69	0.42	0.074
70600N 81425E	Soil		1.3	37.8	9.5	69	<0.1	16.2	10.0	566	3.11	16.9	0.4	1.4	1.2	28	0.3	1.3	0.1	64	0.31	0.083
70600N 81450E	Soil		0.9	22.6	7.4	69	<0.1	15.1	8.2	395	3.07	13.9	0.4	1.1	1.1	31	0.2	1.1	<0.1	62	0.33	0.087
70600N 81475E	Soil		0.8	17.9	8.1	67	<0.1	12.1	8.7	557	2.74	11.0	0.4	1.9	1.1	28	0.2	1.0	<0.1	60	0.30	0.108
70600N 81500E	Soil		0.4	8.2	4.9	39	<0.1	7.7	4.0	135	1.40	3.7	0.3	0.6	0.8	19	<0.1	0.3	<0.1	39	0.18	0.034
70600N 81525E	Soil		0.4	8.2	5.3	55	<0.1	7.7	4.2	184	1.50	4.2	0.3	1.4	0.7	22	0.1	0.3	<0.1	42	0.26	0.032
70600N 81550E	Soil		0.4	9.7	5.2	44	<0.1	9.2	5.5	229	1.68	4.6	0.4	0.7	0.9	23	<0.1	0.4	<0.1	44	0.25	0.040
70600N 81575E	Soil		0.4	13.2	5.9	62	<0.1	9.4	5.2	290	1.65	3.9	0.3	1.3	0.7	28	0.2	0.3	<0.1	48	0.33	0.039
70600N 81600E	Soil		0.5	10.8	5.6	52	<0.1	10.0	5.3	212	1.81	5.2	0.3	0.8	0.7	24	0.1	0.4	<0.1	47	0.28	0.064
70600N 81625E	Soil		0.4	10.3	5.7	50	<0.1	9.0	5.2	363	1.63	4.0	0.3	2.0	0.5	25	0.2	0.4	0.1	41	0.30	0.044
70600N 81650E	Soil		1.0	23.9	12.1	83	0.4	13.3	9.5	1260	2.96	8.0	0.6	1.7	0.7	44	0.5	0.7	0.2	69	0.60	0.059
70600N 81675E	Soil		0.7	10.0	5.6	47	<0.1	8.4	4.7	212	1.76	4.5	0.3	1.0	0.6	21	0.2	0.5	<0.1	47	0.25	0.030
70600N 81700E	Soil		0.6	11.1	6.8	49	<0.1	9.8	5.4	237	2.00	6.2	0.3	1.4	0.8	20	0.1	0.5	<0.1	48	0.27	0.045
70600N 81725E	Soil		0.6	15.2	6.3	62	0.2	11.1	5.8	228	2.12	5.7	0.4	1.2	0.7	29	0.2	0.6	<0.1	45	0.35	0.057
70600N 81750E	Soil		0.6	8.8	6.1	38	<0.1	7.5	3.8	128	1.41	2.9	0.2	1.1	0.7	16	<0.1	0.4	<0.1	36	0.17	0.024
70650N 81250E	Soil		1.0	17.2	8.9	75	0.1	13.1	7.9	528	3.00	12.2	0.3	1.3	0.9	17	0.2	1.1	0.1	61	0.20	0.090
70650N 81275E	Soil		1.1	12.1	9.3	85	<0.1	6.7	7.7	1559	2.69	7.3	0.3	1.4	0.7	13	0.4	0.8	0.1	55	0.15	0.130
70650N 81300E	Soil		1.1	12.9	9.7	97	<0.1	8.7	7.8	1321	2.98	9.4	0.3	2.0	0.7	17	0.3	0.8	0.1	60	0.20	0.135
70650N 81325E	Soil		1.1	21.5	9.8	80	<0.1	13.4	8.0	554	3.38	13.4	0.3	6.2	0.8	23	0.3	0.9	0.1	67	0.32	0.099
70650N 81350E	Soil		1.5	28.6	10.1	76	<0.1	15.3	9.7	887	3.29	13.7	0.4	1.3	0.6	23	0.4	1.2	0.1	67	0.29	0.088
70650N 81375E	Soil		1.1	24.7	9.6	82	0.1	13.9	10.2	746	3.46	14.4	0.4	27.6	0.9	23	0.4	1.4	<0.1	69	0.31	0.106

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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

		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
71000N 81700E	Soil		5	15	0.26	163	0.045	2	1.16	0.011	0.04	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
71000N 81725E	Soil		5	18	0.31	160	0.049	2	1.32	0.013	0.03	<0.1	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
71000N 81750E	Soil		5	17	0.28	325	0.045	2	1.38	0.009	0.09	0.2	0.05	2.8	<0.1	<0.05	6	<0.5	<0.2
70600N 81250E	Soil		9	17	0.43	172	0.052	3	0.93	0.019	0.07	0.1	0.05	5.1	<0.1	<0.05	3	<0.5	<0.2
70600N 81275E	Soil		6	15	0.31	186	0.045	2	1.06	0.014	0.04	<0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
70600N 81300E	Soil		6	16	0.30	178	0.048	2	1.15	0.012	0.06	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
70600N 81325E	Soil		6	16	0.35	175	0.047	2	1.22	0.017	0.05	0.1	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
70600N 81350E	Soil		6	18	0.38	134	0.052	2	1.16	0.013	0.08	0.1	0.08	4.1	0.4	<0.05	4	<0.5	<0.2
70600N 81375E	Soil		6	19	0.38	152	0.036	1	1.38	0.011	0.05	0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
70600N 81400E	Soil		7	18	0.53	144	0.063	2	1.08	0.018	0.04	0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
70600N 81425E	Soil		9	20	0.43	149	0.056	3	1.17	0.019	0.07	<0.1	0.03	5.1	<0.1	<0.05	4	<0.5	<0.2
70600N 81450E	Soil		7	19	0.38	144	0.055	2	1.20	0.016	0.05	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
70600N 81475E	Soil		7	17	0.35	134	0.062	2	1.09	0.020	0.06	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
70600N 81500E	Soil		5	11	0.27	112	0.046	1	1.02	0.013	0.03	<0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
70600N 81525E	Soil		5	12	0.28	145	0.048	1	0.99	0.013	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
70600N 81550E	Soil		6	13	0.32	127	0.055	1	1.08	0.015	0.03	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
70600N 81575E	Soil		6	15	0.34	191	0.047	2	1.21	0.015	0.04	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
70600N 81600E	Soil		6	13	0.34	127	0.053	1	1.03	0.015	0.03	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
70600N 81625E	Soil		5	12	0.31	170	0.035	2	1.03	0.022	0.03	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
70600N 81650E	Soil		7	18	0.37	312	0.021	2	1.77	0.011	0.04	0.2	0.05	3.6	<0.1	<0.05	6	<0.5	<0.2
70600N 81675E	Soil		5	13	0.28	138	0.035	<1	1.05	0.027	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
70600N 81700E	Soil		5	13	0.38	125	0.047	2	1.02	0.017	0.03	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
70600N 81725E	Soil		5	14	0.32	191	0.031	2	1.29	0.013	0.04	0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
70600N 81750E	Soil		4	10	0.23	131	0.038	1	0.91	0.010	0.02	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
70650N 81250E	Soil		5	16	0.29	125	0.037	2	1.17	0.018	0.04	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
70650N 81275E	Soil		5	14	0.17	136	0.039	2	0.82	0.008	0.06	0.2	0.08	2.2	<0.1	<0.05	4	<0.5	<0.2
70650N 81300E	Soil		5	15	0.18	194	0.038	2	0.98	0.009	0.06	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
70650N 81325E	Soil		5	17	0.30	178	0.038	2	1.28	0.008	0.06	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
70650N 81350E	Soil		6	18	0.36	179	0.037	3	1.19	0.011	0.06	0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
70650N 81375E	Soil		7	18	0.37	148	0.057	2	0.98	0.012	0.04	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2

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CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70650N 81400E	Soil		2.1	26.9	9.4	75	<0.1	18.8	11.1	956	3.45	12.8	0.6	3.5	1.2	49	0.3	1.1	0.2	68	0.58	0.091
70650N 81425E	Soil		3.2	27.4	8.8	80	0.1	15.3	10.3	939	3.04	12.7	0.5	1.5	0.8	44	0.2	0.9	0.1	56	0.55	0.088
70650N 81450E	Soil		1.9	14.6	9.8	63	<0.1	11.6	7.1	271	2.93	10.9	0.3	1.8	0.8	20	0.2	0.9	<0.1	63	0.23	0.074
70650N 81475E	Soil		1.3	19.7	9.2	61	<0.1	13.0	9.5	515	3.04	11.3	0.3	1.2	0.8	24	0.3	1.2	<0.1	66	0.30	0.084
70650N 81500E	Soil		1.0	23.9	9.4	91	<0.1	13.2	9.1	975	2.93	11.4	0.4	4.1	0.8	36	0.6	1.0	0.1	58	0.43	0.112
70650N 81525E	Soil		0.9	20.2	8.7	72	0.2	14.1	9.2	737	2.93	10.1	0.4	<0.5	0.8	29	0.3	1.0	<0.1	61	0.34	0.078
70650N 81550E	Soil		0.8	22.1	12.7	65	<0.1	13.8	9.8	529	3.00	12.7	0.4	1.7	1.1	27	0.2	1.2	<0.1	59	0.31	0.085
70650N 81575E	Soil		0.9	12.6	7.3	82	0.2	9.6	7.0	699	2.53	6.0	0.3	0.9	0.7	21	0.3	0.7	<0.1	56	0.22	0.058
70650N 81600E	Soil		0.6	10.7	5.4	65	0.1	9.3	5.9	446	1.94	4.4	0.3	2.1	0.6	25	0.2	0.6	<0.1	47	0.30	0.059
70650N 81625E	Soil		0.5	10.8	7.2	65	<0.1	9.6	5.0	240	1.67	4.2	0.3	3.1	0.7	25	0.2	0.4	<0.1	45	0.30	0.042
70650N 81650E	Soil		0.5	12.5	6.5	64	<0.1	9.4	5.0	175	1.63	4.0	0.3	0.9	0.7	19	0.1	0.4	<0.1	40	0.23	0.029
70650N 81675E	Soil		0.5	12.9	6.4	41	0.1	8.6	4.2	148	1.56	4.0	0.4	1.6	0.8	21	<0.1	0.3	<0.1	37	0.24	0.031
70650N 81700E	Soil		0.7	17.0	6.9	44	<0.1	12.6	7.1	226	2.62	9.3	0.4	1.8	1.1	22	0.1	0.7	0.1	55	0.20	0.072
70650N 81725E	Soil		1.3	17.0	9.6	108	0.2	11.1	7.7	456	3.29	10.5	0.4	0.8	0.9	18	0.4	0.8	0.1	66	0.21	0.211
70650N 81750E	Soil		1.1	14.3	8.0	85	0.1	12.4	8.6	579	2.97	10.4	0.3	1.1	0.6	23	0.2	0.7	0.1	66	0.28	0.088
70700N 81250E	Soil		1.0	21.5	9.2	92	0.2	15.4	9.1	465	3.68	15.0	0.4	74.0	0.9	18	0.2	1.1	<0.1	77	0.19	0.137
70700N 81275E	Soil		1.1	13.1	9.3	82	0.1	9.1	8.0	688	2.94	10.2	0.3	11.8	0.6	21	0.2	0.9	<0.1	64	0.22	0.108
70700N 81300E	Soil		1.1	48.4	12.7	112	0.2	12.8	11.6	1589	3.14	11.7	0.4	8.9	0.6	52	0.7	0.9	<0.1	61	0.52	0.168
70700N 81325E	Soil		1.1	24.1	10.1	75	<0.1	16.2	8.9	531	3.56	15.9	0.4	6.8	0.9	24	0.3	1.1	<0.1	74	0.33	0.090
70700N 81350E	Soil		0.9	43.1	9.0	62	0.2	14.5	8.8	711	2.79	11.6	0.7	4.0	0.6	50	0.4	1.1	<0.1	56	0.93	0.086
70700N 81375E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70700N 81400E	Soil		1.8	25.3	8.9	70	<0.1	18.5	11.3	1066	3.39	12.6	0.7	2.0	1.1	46	0.3	0.9	<0.1	65	0.55	0.081
70700N 81425E	Soil		2.4	30.6	8.9	70	<0.1	18.3	10.1	921	3.38	12.0	0.7	6.3	1.0	54	0.2	0.9	0.1	67	0.67	0.080
70700N 81450E	Soil		1.9	34.4	9.8	68	<0.1	17.3	9.7	436	3.42	16.4	0.4	4.3	1.1	26	0.2	1.3	0.1	67	0.26	0.061
70700N 81475E	Soil		2.2	17.0	9.5	73	<0.1	12.6	7.9	207	3.30	11.8	0.3	1.2	0.8	19	0.1	1.0	0.1	72	0.15	0.039
70700N 81500E	Soil		3.2	16.8	8.2	69	<0.1	15.7	10.1	303	3.36	12.8	0.3	3.0	0.9	15	0.2	0.9	0.1	68	0.18	0.157
70700N 81525E	Soil		1.1	13.8	6.5	85	0.2	11.6	8.0	731	2.77	9.3	0.3	1.1	0.8	21	0.4	0.7	<0.1	52	0.25	0.078
70700N 81550E	Soil		1.0	16.5	7.6	93	0.1	15.2	8.7	458	3.23	14.7	0.3	1.0	1.0	19	0.3	0.9	<0.1	58	0.25	0.149
70700N 81575E	Soil		1.0	41.7	8.8	91	0.5	16.3	10.3	1167	3.02	11.8	0.6	1.3	0.4	33	0.8	0.9	<0.1	52	0.43	0.112
70700N 81600E	Soil		1.0	12.9	7.5	72	<0.1	10.6	8.3	473	2.85	10.8	0.3	0.8	0.8	16	0.3	0.8	<0.1	57	0.18	0.101

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		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
70650N 81400E	Soil		9	21	0.47	206	0.051	2	1.18	0.018	0.04	0.1	0.07	4.8	<0.1	<0.05	4	<0.5	<0.2
70650N 81425E	Soil		9	19	0.40	211	0.042	3	1.19	0.015	0.06	0.1	0.06	3.9	<0.1	<0.05	4	<0.5	<0.2
70650N 81450E	Soil		4	16	0.25	112	0.042	2	1.13	0.010	0.05	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
70650N 81475E	Soil		6	17	0.31	149	0.046	4	1.27	0.019	0.06	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
70650N 81500E	Soil		7	18	0.32	188	0.055	2	1.03	0.022	0.08	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
70650N 81525E	Soil		7	18	0.38	159	0.047	3	1.35	0.016	0.05	<0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
70650N 81550E	Soil		7	17	0.36	120	0.062	4	1.15	0.037	0.05	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
70650N 81575E	Soil		6	14	0.26	145	0.050	2	1.09	0.009	0.04	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
70650N 81600E	Soil		6	14	0.35	140	0.058	2	0.99	0.011	0.04	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
70650N 81625E	Soil		6	13	0.33	139	0.056	2	1.10	0.018	0.03	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70650N 81650E	Soil		5	12	0.29	135	0.052	1	1.10	0.030	0.03	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
70650N 81675E	Soil		6	13	0.29	154	0.035	2	1.27	0.010	0.03	<0.1	0.05	2.6	0.1	<0.05	4	<0.5	<0.2
70650N 81700E	Soil		7	16	0.27	135	0.054	2	1.51	0.012	0.03	<0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
70650N 81725E	Soil		6	17	0.26	172	0.041	2	1.40	0.009	0.06	0.1	0.05	2.9	<0.1	<0.05	6	<0.5	<0.2
70650N 81750E	Soil		6	16	0.37	148	0.046	3	1.37	0.010	0.05	0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
70700N 81250E	Soil		5	19	0.34	152	0.047	3	1.53	0.011	0.04	0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2
70700N 81275E	Soil		5	15	0.20	200	0.044	2	1.04	0.010	0.04	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
70700N 81300E	Soil		10	18	0.30	417	0.047	4	1.40	0.011	0.09	0.1	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
70700N 81325E	Soil		6	19	0.36	159	0.053	2	1.44	0.010	0.05	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
70700N 81350E	Soil		9	17	0.36	263	0.047	3	0.97	0.025	0.05	0.1	0.08	4.6	<0.1	<0.05	3	0.6	0.3
70700N 81375E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70700N 81400E	Soil		9	22	0.48	189	0.052	3	1.21	0.015	0.05	0.1	0.07	4.6	<0.1	<0.05	4	<0.5	<0.2
70700N 81425E	Soil		9	21	0.47	193	0.057	3	1.16	0.017	0.05	0.1	0.05	4.5	<0.1	<0.05	4	<0.5	<0.2
70700N 81450E	Soil		8	21	0.44	139	0.043	2	1.31	0.017	0.06	0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
70700N 81475E	Soil		5	19	0.33	154	0.035	2	1.49	0.014	0.03	0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
70700N 81500E	Soil		5	17	0.30	174	0.022	<1	1.42	0.007	0.03	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70700N 81525E	Soil		5	15	0.32	167	0.028	1	1.12	0.009	0.04	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
70700N 81550E	Soil		5	17	0.39	161	0.028	2	1.40	0.009	0.05	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
70700N 81575E	Soil		9	17	0.34	240	0.021	2	1.52	0.011	0.06	<0.1	0.06	3.2	<0.1	<0.05	4	<0.5	<0.2
70700N 81600E	Soil		4	14	0.25	163	0.030	1	1.19	0.010	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70700N 81625E	Soil		1.0	25.6	6.5	51	0.1	13.9	8.2	312	2.87	13.6	0.3	1.2	0.8	16	0.2	0.9	<0.1	58	0.17	0.051
70700N 81650E	Soil		0.9	9.1	7.1	107	0.3	7.8	7.7	598	2.68	6.7	0.2	132.0	0.7	11	0.3	0.6	0.1	56	0.13	0.147
70700N 81675E	Soil		0.8	9.3	7.9	103	0.2	7.5	5.9	316	3.03	7.8	0.3	<0.5	0.7	11	0.3	0.7	0.1	63	0.12	0.177
70700N 81700E	Soil		1.1	19.6	8.1	85	0.4	13.5	8.8	433	3.59	14.9	0.3	1.1	0.8	16	0.2	1.0	0.1	70	0.16	0.190
70700N 81725E	Soil		1.5	26.7	9.6	73	0.3	14.6	9.8	503	4.02	21.0	0.3	1.9	0.8	16	0.2	1.0	0.3	71	0.17	0.186
70700N 81750E	Soil		0.5	8.2	5.7	40	<0.1	5.6	3.6	271	1.26	3.5	0.2	1.1	0.5	17	<0.1	0.4	0.1	34	0.19	0.021
70750N 81250E	Soil		0.9	14.2	7.9	132	0.2	16.0	8.8	637	3.34	15.3	0.2	0.6	0.7	15	0.3	0.7	0.1	68	0.18	0.117
70750N 81275E	Soil		0.7	13.3	6.9	77	0.1	9.4	7.5	521	2.78	9.9	0.3	0.9	0.6	14	0.2	0.9	<0.1	56	0.15	0.173
70750N 81300E	Soil		1.0	20.4	7.0	67	0.2	13.1	7.5	304	3.16	15.2	0.3	3.4	0.7	18	0.1	1.0	<0.1	68	0.20	0.124
70750N 81325E	Soil		0.8	28.5	7.4	63	<0.1	13.8	8.8	553	3.12	14.3	0.4	1.3	1.0	21	0.2	1.2	<0.1	65	0.30	0.075
70750N 81350E	Soil		0.9	29.7	8.9	88	<0.1	14.5	9.6	763	3.10	15.2	0.3	0.7	0.9	24	0.4	1.1	<0.1	63	0.36	0.071
70750N 81375E	Soil		0.9	36.2	8.4	68	<0.1	13.8	10.7	684	3.21	16.0	0.3	2.5	1.0	22	0.2	1.2	<0.1	61	0.30	0.075
70750N 81400E	Soil		1.3	24.0	12.2	78	<0.1	13.6	11.4	1056	3.48	15.6	0.4	4.2	0.8	26	0.5	1.2	0.3	73	0.41	0.060
70750N 81425E	Soil		1.1	8.8	6.7	77	<0.1	8.0	6.3	259	2.83	8.5	0.2	3.4	0.6	17	0.2	0.7	0.1	65	0.22	0.046
70750N 81450E	Soil		1.2	25.3	7.6	56	<0.1	12.6	7.8	307	2.88	14.4	0.3	0.9	0.9	20	0.1	1.2	<0.1	59	0.23	0.050
70750N 81475E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70750N 81500E	Soil		2.6	12.5	8.5	73	0.1	6.9	5.8	666	2.92	8.9	0.2	0.8	0.4	13	0.3	0.7	0.2	66	0.15	0.087
70750N 81525E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70750N 81550E	Soil		1.2	14.2	7.5	105	<0.1	14.5	9.5	478	3.06	10.6	0.3	2.6	1.0	15	0.2	0.8	0.1	57	0.14	0.107
70750N 81575E	Soil		1.6	12.8	9.3	130	0.3	10.0	7.2	821	3.31	12.1	0.2	0.6	0.6	12	0.4	0.7	0.2	66	0.13	0.198
70750N 81600E	Soil		1.5	17.5	7.8	85	<0.1	13.1	9.2	594	3.07	12.4	0.3	1.1	0.9	24	0.3	0.9	<0.1	58	0.25	0.079
70750N 81625E	Soil		1.8	11.5	6.8	73	0.1	9.6	7.0	406	2.68	9.1	0.3	1.0	0.7	18	0.3	0.5	<0.1	50	0.19	0.091
70750N 81650E	Soil		0.9	17.5	7.0	60	0.1	11.8	7.9	498	2.73	11.2	0.3	0.8	0.9	23	0.3	1.0	<0.1	54	0.27	0.103
70750N 81675E	Soil		0.7	17.8	6.8	51	<0.1	11.4	8.0	352	2.65	10.9	0.3	3.9	0.7	22	0.2	1.0	<0.1	54	0.25	0.069
70750N 81700E	Soil		0.6	8.5	6.7	84	0.1	5.8	6.9	953	2.28	4.3	0.2	1.2	0.4	15	0.4	0.5	0.1	51	0.19	0.111
70750N 81725E	Soil		0.9	8.2	7.7	86	0.1	6.4	6.3	1005	2.45	5.5	0.2	0.7	0.6	13	0.2	0.5	0.1	59	0.17	0.099
70750N 81750E	Soil		1.2	15.0	7.6	70	0.2	12.2	10.5	724	3.66	17.1	0.3	0.8	0.8	15	0.3	0.8	<0.1	68	0.14	0.083
70800N 81250E	Soil		0.9	13.2	6.6	87	0.1	10.2	6.5	405	2.92	11.5	0.2	2.4	0.6	16	0.3	0.7	<0.1	61	0.17	0.130
70800N 81275E	Soil		1.0	14.1	8.1	98	0.1	10.6	9.3	883	2.96	10.0	0.3	0.6	0.6	22	0.3	0.7	0.1	60	0.25	0.108
70800N 81300E	Soil		1.0	17.7	8.3	95	0.1	12.1	8.3	344	3.02	12.9	0.3	2.0	0.8	15	0.3	0.9	0.1	64	0.15	0.098

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		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
70700N 81625E	Soil		4	15	0.33	166	0.028	1	1.36	0.009	0.04	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
70700N 81650E	Soil		4	13	0.15	165	0.031	2	1.04	0.006	0.04	<0.1	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
70700N 81675E	Soil		4	15	0.16	147	0.027	1	1.34	0.006	0.04	0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
70700N 81700E	Soil		4	17	0.29	168	0.022	1	1.68	0.006	0.04	0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
70700N 81725E	Soil		4	18	0.31	156	0.028	2	2.03	0.006	0.04	0.2	0.06	2.8	<0.1	<0.05	6	<0.5	<0.2
70700N 81750E	Soil		5	8	0.16	195	0.027	<1	0.98	0.006	0.03	<0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
70750N 81250E	Soil		4	17	0.35	241	0.039	1	1.59	0.008	0.04	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
70750N 81275E	Soil		4	14	0.21	148	0.030	1	1.18	0.006	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
70750N 81300E	Soil		4	16	0.33	167	0.036	1	1.36	0.009	0.03	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
70750N 81325E	Soil		6	15	0.39	128	0.060	2	0.98	0.010	0.04	<0.1	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
70750N 81350E	Soil		6	15	0.35	194	0.049	2	1.06	0.009	0.05	<0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
70750N 81375E	Soil		6	15	0.47	121	0.049	2	1.09	0.010	0.04	<0.1	0.03	3.6	<0.1	<0.05	4	<0.5	0.3
70750N 81400E	Soil		6	18	0.38	228	0.047	2	1.11	0.012	0.06	0.1	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
70750N 81425E	Soil		4	13	0.18	215	0.033	1	1.02	0.007	0.04	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
70750N 81450E	Soil		5	17	0.36	147	0.038	2	1.07	0.009	0.05	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
70750N 81475E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70750N 81500E	Soil		4	14	0.18	153	0.031	2	1.11	0.007	0.04	<0.1	0.03	1.8	<0.1	<0.05	6	<0.5	<0.2
70750N 81525E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70750N 81550E	Soil		5	17	0.31	171	0.030	2	1.76	0.007	0.04	<0.1	0.04	2.7	<0.1	<0.05	5	<0.5	<0.2
70750N 81575E	Soil		4	18	0.32	170	0.034	2	1.54	0.006	0.06	<0.1	0.04	2.4	<0.1	<0.05	6	<0.5	<0.2
70750N 81600E	Soil		5	15	0.32	173	0.038	2	1.23	0.008	0.04	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
70750N 81625E	Soil		4	14	0.28	171	0.035	2	1.15	0.008	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
70750N 81650E	Soil		6	15	0.33	157	0.054	2	1.03	0.011	0.06	<0.1	0.03	3.0	<0.1	<0.05	3	<0.5	0.2
70750N 81675E	Soil		5	14	0.31	146	0.053	2	0.96	0.012	0.06	<0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
70750N 81700E	Soil		5	12	0.15	179	0.035	2	0.81	0.006	0.05	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	0.2
70750N 81725E	Soil		4	13	0.14	163	0.030	1	1.00	0.007	0.04	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
70750N 81750E	Soil		4	14	0.30	167	0.023	2	1.37	0.006	0.05	0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2
70800N 81250E	Soil		4	15	0.26	162	0.043	2	1.21	0.012	0.04	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
70800N 81275E	Soil		5	15	0.29	210	0.037	1	1.34	0.007	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
70800N 81300E	Soil		4	16	0.31	150	0.039	2	1.49	0.007	0.04	0.1	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2

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		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
70800N 81325E	Soil		0.9	11.4	9.6	92	0.2	8.3	8.0	861	2.88	9.1	0.3	0.8	0.4	15	0.3	0.7	<0.1	59	0.14	0.141
70800N 81350E	Soil		1.0	21.8	8.1	66	<0.1	13.0	8.1	324	3.19	15.1	0.3	1.7	0.8	15	0.2	1.1	<0.1	62	0.16	0.147
70800N 81375E	Soil		1.4	18.9	7.8	76	0.1	15.2	7.9	377	3.28	15.6	0.3	1.2	0.6	16	0.2	0.9	<0.1	69	0.18	0.066
70800N 81400E	Soil		1.3	15.2	10.3	99	0.2	10.8	9.3	1051	3.19	11.8	0.3	0.6	0.6	20	0.5	1.0	0.1	65	0.21	0.095
70800N 81425E	Soil		1.3	28.5	10.0	120	0.2	15.4	9.5	1148	3.26	10.9	0.4	1.3	1.1	15	0.6	0.9	0.1	63	0.21	0.126
70800N 81450E	Soil		1.2	13.5	9.3	63	0.1	10.4	8.7	724	2.72	7.7	0.3	<0.5	0.6	17	0.5	0.8	0.1	53	0.17	0.143
70800N 81475E	Soil		1.3	12.8	7.4	55	<0.1	9.8	6.8	430	2.56	7.9	0.3	0.5	0.8	14	0.2	1.0	<0.1	51	0.16	0.075
70800N 81500E	Soil		1.3	8.9	7.8	50	0.1	8.2	6.2	329	2.35	6.0	0.2	0.7	0.6	13	0.2	0.6	<0.1	50	0.15	0.099
70800N 81525E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70800N 81560E	Soil		2.4	30.0	9.5	74	0.2	10.4	7.1	242	2.96	8.9	0.3	<0.5	0.8	15	0.2	0.9	0.1	66	0.17	0.080
70800N 81575E	Soil		2.8	32.1	9.9	117	0.4	13.9	11.8	1050	3.31	11.6	0.4	1.0	0.8	28	0.5	0.9	0.1	65	0.37	0.086
70800N 81600E	Soil		2.0	17.7	9.1	118	<0.1	17.0	11.6	667	3.50	13.7	0.3	<0.5	1.0	19	0.3	1.0	<0.1	63	0.24	0.180
70800N 81625E	Soil		1.2	17.6	7.7	58	0.2	10.6	7.4	409	2.49	8.9	0.3	24.5	0.6	19	0.3	0.9	0.1	51	0.21	0.078
70800N 81650E	Soil		1.1	18.9	7.7	50	<0.1	11.5	7.6	329	2.66	9.4	0.3	<0.5	0.9	22	0.1	0.9	<0.1	57	0.25	0.074
70800N 81675E	Soil		1.2	28.0	8.3	57	0.1	17.3	9.4	413	3.16	12.8	0.3	1.1	1.0	23	0.2	0.9	<0.1	61	0.27	0.064
70800N 81700E	Soil		1.4	10.4	8.6	82	0.2	6.9	8.5	1353	2.48	4.8	0.2	<0.5	0.7	14	0.4	0.5	0.1	54	0.16	0.107
70800N 81725E	Soil		1.5	17.7	10.4	86	0.1	13.9	11.5	1708	3.58	12.8	0.3	2.2	0.8	14	0.3	1.0	0.1	69	0.18	0.127
70800N 81750E	Soil		1.3	10.8	8.2	56	<0.1	7.6	5.2	243	3.06	8.3	0.3	2.0	0.6	17	0.2	0.8	0.1	73	0.14	0.048
70850N 81250E	Soil		0.9	22.2	6.5	44	<0.1	8.9	5.8	388	2.04	6.3	0.3	<0.5	0.4	24	0.3	0.6	<0.1	49	0.37	0.032
70850N 81275E	Soil		1.3	27.4	8.9	78	<0.1	9.5	7.7	1177	2.45	7.9	0.3	1.5	0.4	25	0.5	0.8	<0.1	52	0.41	0.114
70850N 81300E	Soil		0.9	16.1	8.5	89	0.2	9.6	7.3	646	2.86	9.3	0.3	1.2	0.3	23	0.3	0.9	<0.1	63	0.33	0.152
70850N 81325E	Soil		1.0	21.4	7.0	58	<0.1	11.3	7.4	349	2.80	11.4	0.3	0.9	0.5	13	0.3	1.0	<0.1	55	0.19	0.086
70850N 81350E	Soil		1.5	158.5	13.1	66	1.0	29.3	11.6	2962	3.47	8.1	1.8	1.4	1.6	47	1.3	1.2	0.2	60	0.85	0.069
70850N 81375E	Soil		1.0	14.1	8.6	68	<0.1	11.7	7.5	287	3.26	11.1	0.3	0.6	0.8	12	0.2	0.9	0.1	70	0.16	0.108
70850N 81400E	Soil		0.8	9.7	8.8	130	0.1	8.8	7.0	268	3.01	7.8	0.3	<0.5	0.9	14	0.4	0.8	0.1	58	0.20	0.192
70850N 81425E	Soil		1.2	20.9	8.4	77	0.1	16.5	9.2	381	3.56	15.6	0.3	0.7	0.8	14	0.2	1.2	0.1	72	0.18	0.064
70850N 81450E	Soil		1.0	11.0	10.4	110	0.2	4.7	4.6	554	2.22	3.1	0.2	<0.5	0.4	11	0.4	0.5	0.1	50	0.13	0.089
70850N 81475E	Soil		1.1	12.5	9.8	109	0.1	11.4	8.5	486	3.34	9.1	0.3	<0.5	0.8	18	0.2	0.8	0.1	70	0.22	0.130
70850N 81500E	Soil		1.1	23.5	7.9	56	<0.1	15.8	9.2	456	2.88	11.6	0.4	<0.5	0.9	21	0.2	1.2	<0.1	60	0.27	0.045
70850N 81525E	Soil		3.6	61.8	10.7	74	0.1	15.8	11.6	763	3.15	15.3	0.5	2.6	1.1	34	0.3	1.4	0.3	60	0.56	0.083

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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70800N 81325E	Soil		5	14	0.19	196	0.033	2	1.26	0.011	0.04	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	0.2
70800N 81350E	Soil		4	15	0.33	118	0.039	2	1.29	0.012	0.04	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
70800N 81375E	Soil		4	16	0.33	205	0.031	2	1.50	0.007	0.04	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
70800N 81400E	Soil		5	16	0.27	230	0.030	2	1.21	0.007	0.04	0.1	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
70800N 81425E	Soil		4	18	0.35	171	0.039	2	1.41	0.008	0.03	0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
70800N 81450E	Soil		5	16	0.24	189	0.028	2	1.02	0.008	0.07	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
70800N 81475E	Soil		4	13	0.25	124	0.035	2	0.86	0.007	0.04	0.1	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
70800N 81500E	Soil		4	13	0.19	129	0.031	2	0.94	0.008	0.04	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
70800N 81525E	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
70800N 81560E	Soil		4	19	0.36	138	0.046	1	1.20	0.007	0.04	0.1	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
70800N 81575E	Soil		5	18	0.49	209	0.046	2	1.30	0.009	0.06	0.2	0.05	3.2	<0.1	<0.05	5	<0.5	<0.2
70800N 81600E	Soil		5	18	0.35	150	0.031	2	1.34	0.007	0.04	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
70800N 81625E	Soil		5	14	0.25	129	0.036	1	0.93	0.008	0.05	0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
70800N 81650E	Soil		5	16	0.30	133	0.044	1	0.94	0.012	0.04	0.1	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
70800N 81675E	Soil		5	17	0.48	196	0.039	2	1.39	0.009	0.04	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
70800N 81700E	Soil		4	12	0.12	195	0.024	1	1.01	0.006	0.04	0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
70800N 81725E	Soil		5	17	0.39	123	0.039	2	1.23	0.007	0.05	0.2	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
70800N 81750E	Soil		5	15	0.18	186	0.023	<1	1.03	0.007	0.04	0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2
70850N 81250E	Soil		4	13	0.26	160	0.039	2	0.85	0.008	0.05	0.1	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
70850N 81275E	Soil		4	13	0.22	157	0.037	4	0.80	0.006	0.10	0.2	0.06	1.8	<0.1	<0.05	3	<0.5	<0.2
70850N 81300E	Soil		5	16	0.24	174	0.037	3	1.00	0.006	0.06	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
70850N 81325E	Soil		4	14	0.27	110	0.038	2	0.92	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
70850N 81350E	Soil		25	26	0.32	588	0.036	2	2.25	0.021	0.05	<0.1	0.07	11.9	0.2	<0.05	5	<0.5	<0.2
70850N 81375E	Soil		4	17	0.25	126	0.042	2	1.22	0.006	0.04	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
70850N 81400E	Soil		4	15	0.21	157	0.035	2	1.24	0.006	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
70850N 81425E	Soil		4	16	0.41	134	0.043	1	1.41	0.008	0.04	0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
70850N 81450E	Soil		4	11	0.12	139	0.036	2	0.71	0.006	0.06	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	0.2
70850N 81475E	Soil		5	17	0.25	170	0.032	2	1.44	0.007	0.04	0.1	0.03	2.5	<0.1	<0.05	6	<0.5	0.3
70850N 81500E	Soil		6	19	0.38	126	0.055	1	1.07	0.009	0.06	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
70850N 81525E	Soil		9	19	0.52	137	0.041	4	1.06	0.011	0.06	0.2	0.05	4.2	<0.1	<0.05	3	<0.5	<0.2

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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

		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
70850N 81550E	Soil		2.5	117.8	9.7	79	0.1	17.1	13.2	612	4.18	31.4	0.5	4.3	1.1	24	0.2	1.2	0.2	72	0.26	0.113
70850N 81575E	Soil		1.4	17.0	8.6	92	<0.1	15.7	9.8	680	3.31	9.9	0.3	<0.5	1.0	21	0.3	0.9	<0.1	65	0.27	0.115
70850N 81600E	Soil		0.9	13.7	7.8	64	<0.1	11.6	7.3	903	2.44	7.1	0.3	<0.5	0.6	20	0.3	0.8	<0.1	52	0.24	0.063
70850N 81625E	Soil		1.1	28.0	9.0	58	0.1	14.1	8.4	471	2.97	11.9	0.4	2.5	1.1	27	0.1	0.9	<0.1	63	0.28	0.052
70850N 81650E	Soil		1.2	21.3	9.5	72	<0.1	17.2	10.4	577	3.51	12.4	0.4	<0.5	1.1	21	0.2	1.1	0.1	70	0.28	0.127
70850N 81675E	Soil		1.3	17.9	9.2	123	0.2	16.2	9.9	346	3.81	15.5	0.4	2.0	1.0	15	0.3	1.0	0.1	76	0.14	0.172
70850N 81700E	Soil		1.4	16.1	10.1	123	0.2	13.8	10.0	375	4.16	14.2	0.3	<0.5	0.9	22	0.2	0.9	0.1	81	0.23	0.150
70850N 81725E	Soil		1.1	26.3	7.9	76	0.2	17.7	9.2	434	3.21	12.6	0.4	1.6	0.8	19	0.2	0.9	<0.1	64	0.21	0.081
70850N 81750E	Soil		0.6	15.0	5.8	45	<0.1	13.6	6.1	196	2.00	5.1	0.3	1.4	0.9	18	<0.1	0.6	<0.1	45	0.21	0.042

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Project: GD-10
Report Date: August 13, 2010

CERTIFICATE OF ANALYSIS SMI10000317.1

	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
70850N 81550E	Soil	6	21	0.49	142	0.048	3	1.33	0.008	0.06	0.1	0.04	4.2	<0.1	0.07	5	<0.5	<0.2
70850N 81575E	Soil	5	18	0.36	152	0.043	2	1.19	0.007	0.06	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
70850N 81600E	Soil	5	15	0.24	166	0.047	2	0.94	0.009	0.06	<0.1	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
70850N 81625E	Soil	8	17	0.33	219	0.046	2	1.21	0.011	0.04	0.1	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
70850N 81650E	Soil	6	17	0.41	129	0.049	2	1.29	0.008	0.05	0.2	0.05	3.2	<0.1	<0.05	4	<0.5	<0.2
70850N 81675E	Soil	5	19	0.31	187	0.031	2	1.91	0.005	0.04	0.2	0.05	2.8	<0.1	<0.05	6	<0.5	<0.2
70850N 81700E	Soil	5	19	0.36	178	0.042	2	1.68	0.007	0.05	0.1	0.05	2.9	<0.1	<0.05	7	<0.5	<0.2
70850N 81725E	Soil	5	19	0.36	196	0.034	2	1.70	0.008	0.05	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
70850N 81750E	Soil	6	16	0.33	123	0.043	<1	1.35	0.010	0.03	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

	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
69700N 80800E	Soil	0.7	18.3	7.4	44	<0.1	13.2	7.9	287	2.63	11.5	0.4	1.1	1.2	25	<0.1	1.1	0.1	50	0.17	0.020
69700N 80825E	Soil	0.8	9.8	7.6	52	<0.1	14.5	8.3	604	2.90	9.3	0.3	2.3	1.0	25	0.2	0.9	0.1	46	0.23	0.091
69700N 80850E	Soil	0.9	17.1	7.0	62	<0.1	12.3	7.5	385	2.69	9.0	0.3	2.3	0.9	22	0.2	0.9	0.1	50	0.23	0.112
69700N 80875E	Soil	0.8	21.4	7.2	63	<0.1	16.6	8.3	403	2.86	12.1	0.4	0.8	1.0	20	0.2	1.1	<0.1	52	0.20	0.083
69700N 80900E	Soil	0.8	18.1	7.6	61	<0.1	14.2	8.2	431	2.91	13.7	0.4	1.6	1.1	25	0.2	1.1	<0.1	48	0.29	0.083
69700N 80925E	Soil	1.1	32.6	7.7	68	<0.1	15.8	9.4	536	3.07	12.6	0.4	2.8	1.2	28	0.2	1.1	<0.1	51	0.30	0.079
69700N 80950E	Soil	1.5	21.0	7.2	68	<0.1	15.0	9.6	1183	2.75	10.4	0.6	1.5	0.9	49	0.2	0.7	<0.1	49	0.54	0.074
69700N 80975E	Soil	1.1	20.7	7.4	76	<0.1	15.0	9.5	750	2.91	10.9	0.7	9.0	1.0	36	0.4	0.9	<0.1	57	0.43	0.087
69700N 81000E	Soil	0.9	16.4	7.0	69	<0.1	13.9	9.3	1155	2.86	9.2	0.6	2.0	1.1	38	0.2	0.7	<0.1	55	0.45	0.082
69700N 81025E	Soil	1.0	17.6	7.1	67	<0.1	14.2	9.2	779	2.63	9.0	0.7	1.2	1.0	39	0.2	0.7	<0.1	53	0.47	0.066
69700N 81050E	Soil	0.9	20.6	7.9	62	<0.1	13.7	7.9	526	2.99	11.7	0.4	1.4	1.2	31	0.1	1.1	<0.1	57	0.37	0.083
69700N 81075E	Soil	0.8	18.0	7.2	83	<0.1	14.6	8.7	380	2.98	12.3	0.4	2.0	1.2	15	0.1	1.0	<0.1	57	0.18	0.160
69700N 81100E	Soil	1.6	24.4	7.1	59	<0.1	16.2	8.9	441	2.92	11.7	0.4	1.6	1.4	31	0.2	1.0	<0.1	47	0.30	0.077
69700N 81125E	Soil	1.0	16.5	6.2	46	<0.1	11.4	6.4	402	2.50	8.4	0.4	1.7	1.0	25	0.1	0.8	<0.1	50	0.28	0.038
69700N 81150E	Soil	1.2	13.0	8.3	60	<0.1	11.7	8.7	601	3.15	12.8	0.3	1.2	0.8	17	0.2	1.0	<0.1	68	0.21	0.039
69700N 81175E	Soil	1.2	21.2	7.0	53	<0.1	12.8	7.5	466	2.99	12.0	0.4	2.3	1.0	26	<0.1	1.1	<0.1	58	0.27	0.057
69700N 81200E	Soil	0.9	21.7	7.9	63	<0.1	16.3	9.1	272	3.14	13.4	0.3	13.8	1.0	16	<0.1	1.1	<0.1	60	0.16	0.081
69700N 81225E	Soil	0.6	23.6	7.1	61	<0.1	16.4	8.1	366	2.88	11.6	0.4	1.6	1.0	15	<0.1	1.0	<0.1	57	0.15	0.098
69700N 81250E	Soil	0.8	12.1	8.8	53	0.1	8.8	5.3	281	2.61	9.4	0.3	1.0	0.9	19	0.1	0.7	<0.1	53	0.18	0.111
69700N 81275E	Soil	0.7	21.7	7.1	52	<0.1	14.5	8.0	290	2.82	11.8	0.3	0.8	0.9	14	<0.1	1.0	<0.1	60	0.12	0.074
69700N 81300E	Soil	0.9	14.3	7.5	51	<0.1	9.4	6.3	517	2.72	8.9	0.3	1.1	0.8	14	0.1	1.0	<0.1	57	0.12	0.074
69700N 81325E	Soil	0.7	23.1	7.2	69	<0.1	14.1	8.2	228	2.88	11.1	0.4	0.8	1.1	14	0.2	0.9	<0.1	59	0.12	0.072
69700N 81350E	Soil	0.8	15.9	7.2	69	<0.1	13.4	7.7	256	2.67	9.5	0.3	1.2	1.3	14	<0.1	0.8	<0.1	51	0.10	0.094
69700N 81375E	Soil	0.8	25.9	6.9	56	<0.1	13.9	7.0	334	2.75	11.1	0.4	2.3	1.0	15	0.1	1.0	<0.1	55	0.15	0.094
69700N 81400E	Soil	0.7	18.4	6.8	63	<0.1	12.2	7.2	262	2.65	10.4	0.4	<0.5	1.0	16	<0.1	0.9	<0.1	58	0.16	0.070
69700N 81425E	Soil	1.0	7.4	5.9	33	<0.1	6.2	3.3	137	1.93	6.9	0.2	<0.5	0.6	13	<0.1	0.6	<0.1	51	0.12	0.025
69700N 81450E	Soil	1.0	17.6	7.7	66	<0.1	13.0	7.5	321	3.01	11.4	0.4	1.7	1.2	15	<0.1	1.0	<0.1	62	0.15	0.084
69700N 81475E	Soil	0.8	14.3	6.8	66	<0.1	13.1	6.9	208	2.73	10.9	0.3	0.7	0.8	15	0.2	1.0	<0.1	58	0.13	0.053
69700N 81500E	Soil	0.4	19.3	8.8	45	0.1	10.2	4.8	173	1.69	4.1	0.4	0.8	0.6	39	<0.1	0.5	<0.1	43	0.46	0.036
69700N 81525E	Soil	0.8	14.2	7.7	75	<0.1	10.8	6.8	331	2.63	8.4	0.3	0.7	1.1	14	0.2	0.8	<0.1	54	0.15	0.165

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

	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
69700N 80800E	Soil	7	16	0.30	116	0.036	2	1.06	0.013	0.04	<0.1	0.03	3.3	<0.1	0.07	3	<0.5	<0.2
69700N 80825E	Soil	6	15	0.28	163	0.037	2	1.16	0.011	0.11	0.1	0.01	3.4	<0.1	0.06	3	<0.5	<0.2
69700N 80850E	Soil	6	13	0.27	149	0.035	2	0.95	0.010	0.07	0.1	0.02	2.9	<0.1	<0.05	3	0.6	<0.2
69700N 80875E	Soil	6	15	0.32	134	0.039	2	1.07	0.012	0.05	<0.1	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
69700N 80900E	Soil	6	13	0.33	107	0.036	1	0.94	0.013	0.05	<0.1	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
69700N 80925E	Soil	7	15	0.34	141	0.048	1	1.05	0.012	0.06	0.1	0.03	4.1	<0.1	<0.05	3	<0.5	<0.2
69700N 80950E	Soil	7	16	0.46	148	0.039	4	1.08	0.018	0.04	0.1	0.05	3.4	<0.1	<0.05	3	<0.5	<0.2
69700N 80975E	Soil	9	17	0.41	159	0.038	2	1.09	0.013	0.04	<0.1	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
69700N 81000E	Soil	8	19	0.47	167	0.044	3	1.06	0.016	0.04	<0.1	0.04	3.6	<0.1	<0.05	4	0.6	<0.2
69700N 81025E	Soil	8	19	0.44	158	0.042	2	1.09	0.015	0.04	<0.1	0.06	4.1	<0.1	<0.05	4	0.5	<0.2
69700N 81050E	Soil	7	15	0.35	148	0.049	2	1.02	0.018	0.03	0.1	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
69700N 81075E	Soil	6	15	0.33	131	0.041	2	1.48	0.010	0.03	0.1	0.04	3.3	<0.1	<0.05	4	0.6	<0.2
69700N 81100E	Soil	9	14	0.32	145	0.037	2	1.11	0.014	0.03	<0.1	0.05	4.7	<0.1	<0.05	3	0.7	<0.2
69700N 81125E	Soil	6	13	0.28	235	0.034	1	1.15	0.013	0.04	<0.1	0.04	3.5	<0.1	<0.05	4	0.5	<0.2
69700N 81150E	Soil	5	16	0.28	135	0.047	2	1.22	0.009	0.06	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
69700N 81175E	Soil	7	15	0.31	140	0.050	<1	1.10	0.016	0.04	0.1	0.04	4.0	<0.1	<0.05	3	0.6	<0.2
69700N 81200E	Soil	5	15	0.30	137	0.041	2	1.49	0.008	0.03	0.1	0.02	2.7	<0.1	<0.05	4	0.5	<0.2
69700N 81225E	Soil	5	15	0.30	122	0.039	2	1.43	0.009	0.03	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
69700N 81250E	Soil	5	13	0.20	110	0.033	2	1.13	0.008	0.03	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
69700N 81275E	Soil	5	14	0.29	132	0.046	1	1.58	0.010	0.03	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
69700N 81300E	Soil	5	13	0.18	143	0.034	2	1.09	0.008	0.04	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
69700N 81325E	Soil	6	15	0.29	151	0.037	2	1.47	0.009	0.03	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
69700N 81350E	Soil	6	15	0.25	128	0.042	<1	1.63	0.008	0.03	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
69700N 81375E	Soil	5	14	0.28	113	0.040	1	1.37	0.009	0.03	0.1	0.09	3.1	<0.1	<0.05	4	<0.5	<0.2
69700N 81400E	Soil	5	14	0.26	151	0.043	2	1.30	0.008	0.03	0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
69700N 81425E	Soil	4	10	0.15	84	0.032	1	0.76	0.008	0.03	<0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
69700N 81450E	Soil	6	16	0.26	147	0.047	2	1.37	0.010	0.03	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69700N 81475E	Soil	4	13	0.25	110	0.040	2	1.22	0.009	0.03	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
69700N 81500E	Soil	7	13	0.31	290	0.027	2	1.47	0.014	0.03	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
69700N 81525E	Soil	5	13	0.21	123	0.036	2	1.18	0.007	0.03	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2

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CERTIFICATE OF ANALYSIS SMI10000347.1

	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
69700N 81550E	Soil	0.9	14.6	7.0	52	<0.1	10.1	6.8	329	2.68	9.2	0.4	1.3	0.9	20	<0.1	0.8	<0.1	57	0.20	0.100
69750N 80800E	Soil	0.8	15.4	8.4	98	<0.1	12.9	8.2	687	2.89	10.1	0.3	3.8	0.9	18	0.2	0.9	<0.1	58	0.20	0.153
69750N 80825E	Soil	0.9	17.0	7.9	76	<0.1	14.2	7.5	383	2.82	11.1	0.3	0.9	0.9	14	0.1	0.9	<0.1	59	0.12	0.113
69750N 80850E	Soil	0.8	16.7	7.2	63	<0.1	13.9	7.3	295	2.60	9.0	0.4	8.8	1.1	20	0.1	0.9	<0.1	53	0.19	0.087
69750N 80875E	Soil	0.7	20.1	7.6	56	<0.1	14.3	7.2	231	2.81	10.3	0.4	<0.5	1.2	22	<0.1	1.0	<0.1	57	0.20	0.067
69750N 80900E	Soil	0.8	31.3	8.4	59	<0.1	18.3	9.4	484	3.09	13.2	0.5	17.6	1.6	33	0.1	1.1	0.1	56	0.32	0.043
69750N 80925E	Soil	1.3	16.7	7.6	66	<0.1	16.3	8.8	548	3.02	12.2	0.3	<0.5	0.8	21	0.2	0.8	<0.1	52	0.25	0.097
69750N 80950E	Soil	1.0	21.5	7.3	69	<0.1	15.1	9.0	505	2.88	11.4	0.3	0.8	1.0	21	0.2	0.9	<0.1	53	0.22	0.104
69750N 80975E	Soil	1.4	22.6	8.2	86	<0.1	12.9	9.5	839	2.91	10.8	0.3	<0.5	0.8	22	0.4	0.8	0.1	54	0.29	0.087
69750N 81000E	Soil	1.1	21.9	8.5	73	<0.1	17.7	10.2	775	2.87	11.5	0.7	0.7	1.1	37	0.3	0.8	0.1	50	0.44	0.086
69750N 81025E	Soil	1.3	21.4	7.9	76	<0.1	16.9	10.6	946	2.90	10.9	0.7	14.0	1.0	40	0.4	0.8	<0.1	52	0.47	0.083
69750N 81050E	Soil	1.4	20.2	8.0	78	<0.1	15.9	10.8	1317	2.94	11.8	0.7	2.8	1.0	36	0.3	0.7	<0.1	56	0.42	0.083
69750N 81075E	Soil	1.4	18.6	7.5	74	<0.1	15.0	10.1	745	2.94	11.0	0.6	0.7	0.9	35	0.2	0.8	<0.1	56	0.40	0.081
69750N 81100E	Soil	1.2	26.5	7.4	57	<0.1	15.7	8.3	449	2.93	12.2	0.4	1.1	1.3	30	0.1	1.0	<0.1	54	0.35	0.064
69750N 81125E	Soil	1.1	23.5	7.5	53	<0.1	15.7	7.9	392	3.01	12.4	0.4	1.2	1.2	33	<0.1	0.9	<0.1	57	0.41	0.051
69750N 81150E	Soil	0.8	26.5	7.5	54	<0.1	16.7	7.9	439	2.99	13.1	0.4	0.8	1.3	30	0.2	1.0	<0.1	53	0.40	0.058
69750N 81175E	Soil	0.8	12.0	7.5	54	<0.1	13.8	7.6	206	2.98	10.1	0.3	<0.5	1.0	16	0.1	0.8	<0.1	60	0.15	0.056
69750N 81200E	Soil	0.7	18.8	9.3	60	0.2	11.4	7.8	438	2.73	9.3	0.3	3.0	0.8	14	0.1	0.9	<0.1	58	0.14	0.100
69750N 81225E	Soil	0.9	15.4	7.1	67	<0.1	18.3	9.9	459	2.99	13.3	0.3	<0.5	1.1	15	<0.1	1.0	<0.1	54	0.17	0.145
69750N 81250E	Soil	0.8	33.4	6.7	65	<0.1	14.6	8.0	288	2.85	11.5	0.3	1.3	1.0	14	0.1	0.9	<0.1	55	0.16	0.117
69750N 81275E	Soil	0.9	9.3	7.3	55	<0.1	7.1	6.1	885	2.41	6.5	0.2	<0.5	0.7	13	0.1	0.6	<0.1	49	0.12	0.109
69750N 81300E	Soil	0.7	11.7	6.5	70	<0.1	11.7	6.8	398	2.48	7.8	0.3	<0.5	0.7	13	0.2	0.7	<0.1	53	0.13	0.093
69750N 81325E	Soil	0.7	11.8	7.1	53	<0.1	9.7	6.5	442	2.50	7.7	0.3	<0.5	0.8	12	0.1	0.7	<0.1	52	0.10	0.096
69750N 81350E	Soil	0.9	14.9	7.6	72	<0.1	12.0	7.6	855	2.81	10.8	0.3	<0.5	0.7	17	0.1	0.8	<0.1	55	0.16	0.122
69750N 81375E	Soil	0.8	13.1	7.1	49	0.1	9.2	5.7	568	2.38	8.0	0.3	1.5	0.6	19	0.2	0.7	<0.1	49	0.16	0.079
69750N 81400E	Soil	0.8	14.4	6.9	56	0.1	13.8	7.3	320	2.77	11.0	0.3	<0.5	0.9	17	<0.1	0.8	<0.1	53	0.18	0.130
69750N 81425E	Soil	0.4	15.8	7.1	54	0.1	10.1	5.6	194	1.58	3.8	0.3	<0.5	0.7	23	<0.1	0.5	<0.1	41	0.20	0.047
69750N 81450E	Soil	0.6	14.2	7.9	31	<0.1	13.6	5.6	132	1.51	5.2	0.3	1.2	0.8	13	<0.1	0.7	<0.1	42	0.10	0.044
69750N 81475E	Soil	0.9	11.1	7.0	70	<0.1	11.1	7.0	263	2.53	8.0	0.3	0.9	1.0	14	0.1	0.7	<0.1	52	0.10	0.101
69750N 81500E	Soil	0.8	14.2	7.4	67	0.1	12.1	7.3	392	2.65	10.1	0.3	<0.5	0.9	14	0.1	0.8	<0.1	56	0.13	0.120

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		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
69700N 81550E	Soil		5	13	0.21	119	0.036	1	1.19	0.008	0.03	0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
69750N 80800E	Soil		5	14	0.28	126	0.039	1	1.26	0.010	0.04	<0.1	0.03	2.7	<0.1	<0.05	4	0.5	<0.2
69750N 80825E	Soil		5	14	0.24	109	0.040	1	1.18	0.010	0.04	0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
69750N 80850E	Soil		5	15	0.28	190	0.040	1	1.30	0.011	0.05	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
69750N 80875E	Soil		7	15	0.31	178	0.040	1	1.26	0.012	0.04	0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
69750N 80900E	Soil		11	16	0.35	183	0.051	1	1.12	0.015	0.06	0.1	0.06	5.3	<0.1	<0.05	4	<0.5	<0.2
69750N 80925E	Soil		5	15	0.30	125	0.029	2	1.15	0.009	0.06	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
69750N 80950E	Soil		5	15	0.29	137	0.031	2	1.11	0.009	0.04	0.1	0.02	3.3	<0.1	<0.05	3	<0.5	<0.2
69750N 80975E	Soil		5	15	0.32	171	0.032	2	1.03	0.009	0.06	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
69750N 81000E	Soil		9	18	0.42	170	0.026	2	1.12	0.012	0.04	<0.1	0.06	4.2	<0.1	<0.05	4	<0.5	<0.2
69750N 81025E	Soil		8	19	0.42	180	0.027	2	1.14	0.014	0.03	<0.1	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
69750N 81050E	Soil		8	20	0.42	171	0.032	2	1.10	0.012	0.05	<0.1	0.06	4.0	<0.1	<0.05	3	<0.5	<0.2
69750N 81075E	Soil		8	19	0.42	151	0.035	2	1.05	0.012	0.04	0.1	0.05	3.8	<0.1	<0.05	3	<0.5	<0.2
69750N 81100E	Soil		8	16	0.33	163	0.038	2	1.09	0.013	0.04	0.1	0.05	4.4	<0.1	<0.05	3	<0.5	<0.2
69750N 81125E	Soil		7	17	0.32	202	0.027	1	1.18	0.013	0.03	0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
69750N 81150E	Soil		10	16	0.30	168	0.039	2	1.01	0.013	0.04	<0.1	0.05	4.9	<0.1	<0.05	3	<0.5	0.2
69750N 81175E	Soil		5	16	0.27	163	0.032	1	1.39	0.009	0.03	<0.1	0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
69750N 81200E	Soil		4	15	0.23	103	0.034	2	1.08	0.007	0.04	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
69750N 81225E	Soil		5	15	0.29	75	0.033	2	1.33	0.008	0.03	<0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
69750N 81250E	Soil		5	15	0.28	126	0.029	2	1.53	0.008	0.03	0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
69750N 81275E	Soil		4	12	0.13	107	0.025	2	0.95	0.007	0.03	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
69750N 81300E	Soil		4	14	0.21	162	0.031	1	1.26	0.009	0.04	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
69750N 81325E	Soil		4	13	0.18	104	0.032	1	1.07	0.008	0.03	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
69750N 81350E	Soil		5	15	0.23	129	0.032	1	1.29	0.007	0.03	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
69750N 81375E	Soil		5	13	0.18	138	0.028	1	1.11	0.010	0.03	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
69750N 81400E	Soil		4	14	0.25	146	0.031	2	1.34	0.010	0.04	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
69750N 81425E	Soil		5	13	0.22	197	0.027	2	1.21	0.011	0.03	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
69750N 81450E	Soil		5	15	0.29	133	0.028	3	1.86	0.016	0.03	<0.1	0.06	2.8	<0.1	<0.05	5	<0.5	<0.2
69750N 81475E	Soil		5	14	0.19	123	0.032	2	1.39	0.007	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
69750N 81500E	Soil		5	14	0.22	141	0.035	1	1.33	0.008	0.03	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69750N 81525E	Soil		0.9	15.9	7.1	69	<0.1	14.2	8.3	249	2.81	10.6	0.3	1.6	1.1	13	0.1	0.8	<0.1	57	0.13	0.117
69750N 81550E	Soil		0.6	8.2	4.7	33	0.2	7.0	3.7	138	1.37	3.0	0.2	<0.5	0.4	16	<0.1	0.3	<0.1	35	0.11	0.020
69800N 80800E	Soil		1.0	28.4	8.5	80	0.1	17.3	9.1	446	3.20	13.4	0.4	0.7	1.0	15	0.2	1.1	<0.1	62	0.15	0.107
69800N 80825E	Soil		0.7	16.3	4.5	44	<0.1	9.9	5.1	286	1.97	4.9	0.3	0.7	0.8	19	<0.1	0.5	<0.1	45	0.20	0.032
69800N 80850E	Soil		1.0	35.4	10.4	59	<0.1	15.4	8.8	382	3.09	14.3	0.4	5.7	1.2	16	0.2	1.1	<0.1	59	0.17	0.077
69800N 80875E	Soil		1.0	23.4	6.8	61	<0.1	16.5	9.4	271	2.93	11.6	0.3	0.8	1.0	16	0.1	0.8	<0.1	58	0.18	0.075
69800N 80900E	Soil		0.9	24.8	7.7	63	<0.1	13.3	8.2	419	2.80	11.9	0.3	2.6	1.0	23	0.2	1.1	<0.1	59	0.28	0.073
69800N 80925E	Soil		0.9	22.9	7.6	71	<0.1	18.5	10.0	599	3.10	12.9	0.4	1.3	1.3	31	0.2	1.2	<0.1	51	0.38	0.097
69800N 80950E	Soil		1.0	14.0	7.2	59	<0.1	11.4	8.1	544	2.65	9.1	0.3	<0.5	0.8	16	0.2	0.9	<0.1	56	0.17	0.099
69800N 80975E	Soil		1.0	22.5	7.2	59	<0.1	13.9	8.8	453	2.83	11.2	0.3	1.4	0.9	18	0.2	1.0	<0.1	58	0.19	0.095
69800N 81000E	Soil		0.9	26.5	6.7	69	<0.1	19.1	8.8	453	2.87	11.9	0.3	1.0	1.1	20	0.3	1.0	<0.1	52	0.24	0.090
69800N 81025E	Soil		1.1	20.7	7.4	110	<0.1	14.0	8.9	672	2.82	10.7	0.3	0.8	1.1	18	0.3	0.9	<0.1	56	0.21	0.118
69800N 81050E	Soil		1.6	27.3	9.5	101	<0.1	15.9	10.4	1020	3.29	12.5	0.6	<0.5	1.1	34	0.3	0.8	0.1	57	0.32	0.086
69800N 81075E	Soil		1.9	26.2	9.1	88	<0.1	17.6	10.4	1204	3.06	11.7	0.6	30.1	1.1	40	0.3	0.8	0.1	53	0.48	0.076
69800N 81100E	Soil		2.6	25.0	8.3	65	<0.1	16.0	10.2	842	2.85	11.0	0.5	2.5	1.0	37	0.3	0.8	0.1	50	0.41	0.066
69800N 81125E	Soil		1.3	24.5	8.0	65	<0.1	17.9	10.2	909	2.96	16.0	0.4	1.9	1.4	44	0.2	1.0	<0.1	49	0.77	0.079
69800N 81150E	Soil		1.1	15.2	6.4	53	<0.1	13.3	7.6	432	2.55	8.6	0.3	0.8	0.9	14	0.2	0.8	<0.1	53	0.18	0.040
69800N 81175E	Soil		0.7	20.2	7.6	61	<0.1	13.6	8.5	516	2.79	10.9	0.3	0.9	1.0	25	0.2	1.0	<0.1	53	0.34	0.061
69800N 81200E	Soil		0.7	10.8	6.7	55	<0.1	10.9	7.0	287	2.39	6.7	0.3	<0.5	0.8	15	0.2	0.7	<0.1	52	0.16	0.078
69800N 81225E	Soil		0.9	14.5	7.1	68	<0.1	13.2	7.8	353	2.66	8.6	0.3	<0.5	0.8	15	0.2	0.7	<0.1	56	0.18	0.113
69800N 81250E	Soil		0.9	17.3	7.0	60	0.1	14.4	9.1	564	2.73	10.8	0.3	<0.5	0.7	16	0.1	0.9	<0.1	56	0.17	0.091
69800N 81275E	Soil		1.1	30.1	7.2	72	<0.1	14.1	8.4	430	2.92	10.5	0.3	0.9	0.9	15	0.1	0.9	<0.1	60	0.16	0.135
69800N 81300E	Soil		0.8	18.8	7.8	59	<0.1	13.2	7.6	335	2.73	10.5	0.3	2.2	1.0	13	0.1	0.9	<0.1	55	0.15	0.124
69800N 81325E	Soil		1.0	20.7	6.5	59	<0.1	16.3	9.0	280	2.98	11.9	0.3	<0.5	1.0	13	<0.1	0.9	<0.1	57	0.12	0.074
69800N 81350E	Soil		1.0	14.0	6.3	45	0.1	11.0	6.3	326	2.36	8.9	0.3	5.4	0.7	23	0.1	0.9	<0.1	50	0.21	0.098
69800N 81375E	Soil		0.8	13.7	7.0	50	<0.1	10.0	6.8	382	2.50	8.1	0.3	1.2	0.8	17	0.1	0.8	0.1	55	0.20	0.080
69800N 81400E	Soil		0.9	19.3	6.5	55	<0.1	12.2	5.8	189	2.56	9.5	0.3	0.7	0.7	14	<0.1	0.7	<0.1	58	0.13	0.090
69800N 81425E	Soil		0.5	15.2	5.3	36	<0.1	9.8	4.5	117	1.62	4.0	0.2	1.9	0.6	13	<0.1	0.4	<0.1	38	0.12	0.045
69800N 81450E	Soil		0.8	13.2	7.4	60	<0.1	10.9	6.9	333	2.68	9.9	0.3	2.6	0.8	20	0.2	0.8	<0.1	58	0.23	0.097
69800N 81475E	Soil		1.0	15.3	7.0	74	0.1	11.8	7.8	346	2.83	10.4	0.3	<0.5	1.0	16	0.1	0.8	<0.1	59	0.17	0.081

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69750N 81525E	Soil		5	16	0.25	110	0.038	2	1.45	0.008	0.03	0.2	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
69750N 81550E	Soil		4	10	0.21	113	0.031	2	0.96	0.009	0.03	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
69800N 80800E	Soil		5	16	0.30	118	0.038	2	1.49	0.009	0.03	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
69800N 80825E	Soil		7	14	0.31	127	0.040	<1	1.05	0.010	0.03	<0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
69800N 80850E	Soil		5	17	0.34	118	0.043	2	1.33	0.009	0.04	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
69800N 80875E	Soil		5	17	0.31	147	0.038	2	1.45	0.009	0.04	0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
69800N 80900E	Soil		7	14	0.34	123	0.048	2	0.98	0.012	0.07	<0.1	0.04	3.7	<0.1	<0.05	3	<0.5	<0.2
69800N 80925E	Soil		8	16	0.35	138	0.045	1	1.02	0.014	0.05	<0.1	0.04	4.5	<0.1	<0.05	3	<0.5	<0.2
69800N 80950E	Soil		5	15	0.23	110	0.040	2	1.04	0.011	0.04	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
69800N 80975E	Soil		6	17	0.29	114	0.043	3	1.12	0.009	0.04	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
69800N 81000E	Soil		6	17	0.34	122	0.039	2	1.22	0.011	0.04	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
69800N 81025E	Soil		6	16	0.29	149	0.035	2	1.18	0.013	0.05	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
69800N 81050E	Soil		8	21	0.42	240	0.025	2	1.43	0.013	0.05	<0.1	0.04	4.2	<0.1	<0.05	4	<0.5	0.4
69800N 81075E	Soil		9	19	0.42	262	0.026	2	1.20	0.013	0.05	0.1	0.03	4.5	<0.1	<0.05	4	<0.5	<0.2
69800N 81100E	Soil		8	17	0.39	184	0.030	2	1.13	0.013	0.04	<0.1	0.05	3.9	<0.1	<0.05	4	<0.5	<0.2
69800N 81125E	Soil		9	17	0.35	215	0.041	2	1.04	0.017	0.04	<0.1	0.06	4.9	<0.1	<0.05	3	<0.5	<0.2
69800N 81150E	Soil		5	14	0.26	137	0.041	2	1.06	0.011	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69800N 81175E	Soil		7	15	0.30	143	0.039	2	0.95	0.014	0.04	0.1	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
69800N 81200E	Soil		5	14	0.21	189	0.035	2	1.08	0.010	0.03	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
69800N 81225E	Soil		5	15	0.22	116	0.038	2	1.35	0.008	0.04	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
69800N 81250E	Soil		4	15	0.27	111	0.039	1	1.25	0.007	0.03	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
69800N 81275E	Soil		5	16	0.27	115	0.036	2	1.52	0.007	0.04	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
69800N 81300E	Soil		5	16	0.30	104	0.040	2	1.43	0.011	0.03	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
69800N 81325E	Soil		5	16	0.30	148	0.041	2	1.53	0.008	0.04	0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
69800N 81350E	Soil		4	13	0.21	121	0.032	1	1.14	0.007	0.04	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
69800N 81375E	Soil		5	15	0.22	135	0.036	2	1.07	0.008	0.04	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
69800N 81400E	Soil		4	16	0.31	112	0.032	2	1.39	0.010	0.04	0.1	0.05	2.6	<0.1	<0.05	5	<0.5	<0.2
69800N 81425E	Soil		5	13	0.23	115	0.031	2	1.24	0.009	0.03	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
69800N 81450E	Soil		5	14	0.22	120	0.037	2	1.15	0.010	0.04	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
69800N 81475E	Soil		6	15	0.23	123	0.038	2	1.37	0.009	0.03	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2

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		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
69800N 81500E	Soil		1.4	25.2	7.8	86	0.3	13.4	13.6	1344	2.76	8.3	0.5	0.8	0.8	22	0.3	0.6	<0.1	55	0.21	0.139
69800N 81525E	Soil		0.9	24.0	6.8	56	0.1	13.1	7.6	594	2.55	9.1	0.3	<0.5	0.5	26	0.2	0.9	<0.1	55	0.35	0.045
69800N 81550E	Soil		0.7	11.9	6.6	75	<0.1	8.8	7.1	443	2.39	6.6	0.2	1.1	0.6	17	0.4	0.7	<0.1	55	0.19	0.063
69850N 80800E	Soil		0.9	22.2	6.5	74	0.2	15.3	8.5	283	2.90	11.1	0.3	1.7	1.0	15	0.1	0.8	<0.1	61	0.15	0.086
69850N 80825E	Soil		0.6	19.5	7.2	58	<0.1	12.8	8.1	375	2.83	10.5	0.4	1.3	1.2	18	<0.1	1.0	<0.1	60	0.20	0.081
69850N 80850E	Soil		0.9	18.3	6.7	51	<0.1	13.2	7.0	476	2.52	8.5	0.3	1.7	0.9	20	0.1	0.8	<0.1	54	0.20	0.065
69850N 80875E	Soil		1.0	21.1	7.2	59	<0.1	17.7	8.9	360	2.95	11.7	0.3	3.3	1.0	19	<0.1	1.0	<0.1	59	0.22	0.083
69850N 80900E	Soil		1.3	22.6	7.5	65	<0.1	15.2	8.8	587	2.90	11.0	0.4	1.1	1.0	24	0.2	1.2	<0.1	61	0.33	0.062
69850N 80925E	Soil		1.1	21.3	8.0	62	<0.1	15.1	9.1	602	2.77	11.1	0.4	0.7	1.1	24	0.3	1.1	<0.1	60	0.33	0.096
69850N 80950E	Soil		1.1	21.7	6.9	59	0.2	14.9	8.1	462	2.74	10.5	0.4	2.2	0.8	25	0.2	1.0	<0.1	55	0.36	0.059
69850N 80975E	Soil		1.0	24.8	8.0	70	<0.1	15.0	9.4	515	2.95	12.5	0.4	0.9	1.0	25	0.2	1.1	<0.1	62	0.34	0.083
69850N 81000E	Soil		1.0	20.4	7.0	71	0.1	16.4	7.7	450	2.78	9.6	0.6	0.8	0.7	28	0.2	0.7	<0.1	54	0.40	0.066
69850N 81025E	Soil		1.2	18.3	7.6	79	<0.1	14.8	9.7	617	3.06	11.1	0.5	1.1	1.2	28	0.1	0.8	<0.1	62	0.31	0.074
69850N 81050E	Soil		1.5	18.7	8.0	86	<0.1	15.8	11.3	677	3.16	11.7	0.4	18.4	1.2	27	0.2	1.0	0.1	65	0.28	0.076
69850N 81075E	Soil		2.2	27.8	8.6	85	<0.1	16.8	11.0	1097	3.20	12.5	0.8	5.8	1.2	43	0.3	0.8	<0.1	63	0.46	0.077
69850N 81100E	Soil		1.2	24.1	7.8	63	<0.1	16.8	9.5	673	2.88	11.5	0.4	2.0	1.1	35	0.2	1.0	<0.1	57	0.48	0.083
69850N 81125E	Soil		7.5	127.5	8.7	76	0.3	16.9	12.5	868	3.20	12.3	0.4	5.8	1.1	37	0.3	0.8	0.2	58	0.47	0.072
69850N 81150E	Soil		1.7	20.8	6.2	53	<0.1	14.9	7.7	355	2.60	9.6	0.5	2.6	1.2	34	0.1	0.8	<0.1	54	0.48	0.058
69850N 81175E	Soil		1.2	20.0	7.6	79	<0.1	14.1	7.9	486	2.64	9.9	0.4	0.9	1.2	23	0.4	0.9	<0.1	53	0.27	0.052
69850N 81200E	Soil		0.9	15.6	7.6	54	<0.1	12.0	8.0	528	2.68	10.8	0.3	<0.5	0.9	23	0.2	1.1	<0.1	57	0.26	0.045
69850N 81225E	Soil		0.8	22.7	7.8	54	<0.1	14.9	8.2	299	2.63	13.3	0.3	1.7	1.0	20	<0.1	1.1	<0.1	56	0.19	0.072
69850N 81250E	Soil		0.9	18.1	7.2	69	0.1	13.6	8.6	365	2.60	10.5	0.3	<0.5	0.9	16	<0.1	1.0	<0.1	55	0.14	0.090
69850N 81275E	Soil		0.7	26.2	6.9	54	<0.1	13.5	7.2	509	2.27	8.5	0.3	<0.5	0.9	18	0.1	0.8	<0.1	49	0.17	0.065
69850N 81300E	Soil		0.9	22.0	7.2	51	<0.1	17.3	8.1	214	2.46	10.4	0.3	<0.5	0.9	14	<0.1	0.9	<0.1	51	0.11	0.056
69850N 81325E	Soil		0.9	16.5	7.5	49	<0.1	10.9	6.5	497	2.46	8.6	0.3	<0.5	0.7	19	<0.1	0.9	<0.1	55	0.14	0.077
69850N 81350E	Soil		0.9	14.4	6.9	46	<0.1	11.2	7.1	205	2.33	8.6	0.3	<0.5	1.0	15	<0.1	0.7	<0.1	49	0.13	0.066
69850N 81375E	Soil		0.8	13.9	7.9	64	0.1	8.2	6.8	718	2.37	7.5	0.2	<0.5	0.5	14	0.2	0.8	<0.1	54	0.12	0.107
69850N 81400E	Soil		0.7	9.7	7.4	52	0.2	6.3	3.3	150	1.65	4.1	0.3	0.8	0.6	18	0.1	0.6	0.1	44	0.14	0.038
69850N 81425E	Soil		0.5	23.3	7.2	46	0.1	12.9	5.9	197	1.69	4.8	0.3	114.9	0.7	17	<0.1	0.6	<0.1	40	0.16	0.027
69850N 81450E	Soil		0.8	21.0	6.2	41	<0.1	13.0	7.5	259	2.32	9.1	0.3	<0.5	1.1	18	<0.1	0.9	<0.1	52	0.15	0.038

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69800N 81500E	Soil		7	16	0.26	188	0.032	2	1.59	0.008	0.04	0.2	0.06	3.2	<0.1	<0.05	5	<0.5	<0.2
69800N 81525E	Soil		7	15	0.34	173	0.038	2	1.21	0.014	0.04	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
69800N 81550E	Soil		4	14	0.22	132	0.041	2	0.90	0.008	0.04	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
69850N 80800E	Soil		5	17	0.31	149	0.050	2	1.62	0.009	0.04	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
69850N 80825E	Soil		9	17	0.27	127	0.051	1	1.23	0.009	0.04	<0.1	0.02	4.0	<0.1	<0.05	4	<0.5	<0.2
69850N 80850E	Soil		6	15	0.28	136	0.044	2	1.20	0.011	0.04	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
69850N 80875E	Soil		5	17	0.32	155	0.044	2	1.43	0.011	0.04	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
69850N 80900E	Soil		7	18	0.35	154	0.058	3	1.08	0.017	0.09	0.2	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
69850N 80925E	Soil		7	18	0.38	101	0.066	3	1.02	0.019	0.07	0.1	0.01	3.6	<0.1	<0.05	3	<0.5	0.3
69850N 80950E	Soil		7	16	0.34	136	0.041	3	1.14	0.011	0.05	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
69850N 80975E	Soil		8	19	0.37	141	0.059	2	1.31	0.018	0.07	<0.1	0.02	3.9	<0.1	<0.05	4	<0.5	<0.2
69850N 81000E	Soil		7	18	0.37	209	0.044	2	1.23	0.012	0.05	0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
69850N 81025E	Soil		7	21	0.41	150	0.047	2	1.30	0.012	0.04	<0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
69850N 81050E	Soil		7	20	0.41	145	0.047	2	1.33	0.014	0.04	<0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
69850N 81075E	Soil		10	21	0.46	234	0.041	2	1.35	0.013	0.06	<0.1	0.05	4.8	<0.1	<0.05	4	<0.5	<0.2
69850N 81100E	Soil		9	17	0.35	163	0.052	2	1.04	0.017	0.05	0.1	0.04	4.4	<0.1	<0.05	3	<0.5	<0.2
69850N 81125E	Soil		8	18	0.32	208	0.042	2	1.30	0.011	0.07	0.1	0.02	4.4	<0.1	<0.05	4	<0.5	0.3
69850N 81150E	Soil		9	16	0.33	172	0.051	2	1.11	0.019	0.06	<0.1	0.05	4.5	<0.1	<0.05	3	<0.5	<0.2
69850N 81175E	Soil		8	16	0.35	179	0.044	2	1.22	0.017	0.05	<0.1	0.03	4.6	<0.1	<0.05	3	<0.5	0.3
69850N 81200E	Soil		5	14	0.30	124	0.044	2	1.00	0.010	0.05	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
69850N 81225E	Soil		5	17	0.36	190	0.043	2	1.34	0.010	0.04	0.1	0.05	3.7	<0.1	<0.05	4	<0.5	0.5
69850N 81250E	Soil		5	14	0.28	143	0.043	2	1.31	0.009	0.03	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
69850N 81275E	Soil		6	14	0.30	119	0.043	1	1.22	0.013	0.04	0.1	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2
69850N 81300E	Soil		4	15	0.32	120	0.044	1	1.53	0.010	0.03	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	0.2
69850N 81325E	Soil		5	13	0.18	124	0.035	1	1.14	0.012	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
69850N 81350E	Soil		5	14	0.22	105	0.039	<1	1.48	0.014	0.03	<0.1	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
69850N 81375E	Soil		5	12	0.18	121	0.032	1	0.98	0.009	0.04	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
69850N 81400E	Soil		4	11	0.19	108	0.032	<1	1.03	0.023	0.04	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
69850N 81425E	Soil		5	13	0.39	154	0.042	2	1.25	0.019	0.03	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	0.2
69850N 81450E	Soil		5	15	0.36	114	0.052	1	1.19	0.013	0.03	<0.1	0.02	3.2	<0.1	<0.05	4	<0.5	0.2

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CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69850N 81475E	Soil		1.0	13.9	7.2	62	<0.1	13.1	7.9	212	2.64	9.6	0.3	<0.5	0.9	15	<0.1	0.9	<0.1	59	0.13	0.087
69850N 81500E	Soil		1.0	17.8	6.2	63	0.2	13.9	6.2	296	2.55	9.3	0.3	<0.5	0.8	16	<0.1	0.7	<0.1	55	0.17	0.086
69850N 81525E	Soil		0.8	14.3	7.2	73	<0.1	11.6	6.7	239	2.51	9.1	0.3	<0.5	0.8	14	0.1	0.8	0.1	58	0.12	0.098
69850N 81550E	Soil		1.0	23.3	10.2	54	<0.1	16.4	8.4	350	2.75	11.3	0.3	<0.5	0.9	18	<0.1	1.0	<0.1	57	0.16	0.070
69900N 80800E	Soil		0.8	35.5	6.2	45	0.1	13.6	7.0	255	2.06	7.2	0.4	0.6	1.0	22	<0.1	0.8	<0.1	53	0.21	0.034
69900N 80825E	Soil		0.7	17.3	5.3	42	<0.1	12.8	6.4	242	2.08	7.8	0.3	<0.5	1.0	21	<0.1	0.7	<0.1	45	0.19	0.049
69900N 80850E	Soil		1.1	18.0	8.0	58	<0.1	14.4	8.7	314	2.96	12.2	0.3	<0.5	1.0	14	0.1	1.0	<0.1	66	0.14	0.109
69900N 80875E	Soil		0.8	14.0	7.5	55	0.1	8.8	5.3	432	1.99	5.0	0.3	1.0	0.8	17	0.1	0.7	<0.1	44	0.16	0.045
69900N 80900E	Soil		1.0	22.9	7.3	62	0.2	14.5	8.9	360	2.83	10.7	0.3	<0.5	0.9	17	0.1	1.1	<0.1	60	0.18	0.088
69900N 80925E	Soil		0.9	20.3	7.3	60	<0.1	17.1	8.9	455	2.76	12.9	0.4	1.3	1.2	32	0.1	1.0	<0.1	53	0.29	0.064
69900N 80950E	Soil		1.0	22.2	7.0	56	<0.1	16.4	8.6	373	2.85	12.0	0.4	2.5	1.3	33	0.1	1.0	<0.1	54	0.32	0.057
69900N 80975E	Soil		2.2	65.8	8.5	70	0.2	17.2	9.6	529	2.75	10.8	0.4	1.6	0.7	27	0.5	1.0	0.2	56	0.23	0.086
69900N 81000E	Soil		2.1	26.4	8.9	77	0.1	17.4	10.3	1115	2.84	12.0	0.7	0.8	0.9	47	0.4	0.8	0.1	54	0.53	0.089
69900N 81025E	Soil		1.8	20.0	7.3	68	<0.1	14.6	8.1	390	2.04	6.8	0.6	<0.5	0.9	47	0.4	0.6	<0.1	46	0.59	0.071
69900N 81050E	Soil		3.1	28.9	9.4	68	0.1	16.4	11.1	1046	3.09	12.6	0.8	0.6	1.1	56	0.2	0.8	0.1	58	0.53	0.070
69900N 81075E	Soil		1.6	26.2	9.2	71	<0.1	15.9	12.2	1104	3.11	12.7	0.8	<0.5	1.0	45	0.3	0.8	<0.1	57	0.44	0.065
69900N 81100E	Soil		0.9	23.1	6.4	52	<0.1	14.2	8.1	421	2.55	10.7	0.4	<0.5	1.0	36	0.2	0.8	<0.1	48	0.53	0.065
69900N 81125E	Soil		1.0	22.0	7.8	63	<0.1	15.4	10.0	575	2.93	11.9	0.4	1.6	1.3	33	0.2	1.1	<0.1	58	0.41	0.082
69900N 81150E	Soil		1.0	24.2	8.2	62	<0.1	19.8	9.1	406	2.95	10.5	0.4	1.4	1.4	38	0.2	0.9	<0.1	54	0.38	0.070
69900N 81175E	Soil		1.0	27.9	7.0	51	<0.1	14.6	8.3	367	2.75	12.1	0.4	<0.5	1.2	25	<0.1	1.2	<0.1	59	0.30	0.057
69900N 81200E	Soil		1.0	22.4	6.9	53	<0.1	13.9	7.8	535	2.50	9.7	0.3	1.3	1.0	28	0.1	1.0	<0.1	52	0.32	0.062
69900N 81225E	Soil		0.7	26.2	7.0	53	<0.1	12.3	7.2	435	2.54	10.1	0.4	<0.5	1.1	22	0.2	1.1	<0.1	56	0.21	0.047
69900N 81250E	Soil		1.0	11.7	8.1	66	0.1	7.9	7.6	1374	2.39	6.8	0.3	<0.5	0.4	28	0.3	0.8	0.1	55	0.25	0.129
69900N 81275E	Soil		1.0	19.3	7.4	57	<0.1	14.1	7.1	209	2.77	10.5	0.3	<0.5	0.8	17	<0.1	0.8	<0.1	58	0.14	0.084
69900N 81300E	Soil		0.6	25.5	5.3	41	<0.1	12.0	5.9	210	2.39	8.3	0.3	1.3	1.0	19	<0.1	0.7	<0.1	51	0.19	0.049
69900N 81325E	Soil		0.9	22.9	6.3	72	<0.1	17.1	7.9	229	3.00	9.8	0.3	0.9	0.8	17	0.1	0.7	<0.1	64	0.19	0.098
69900N 81350E	Soil		0.9	22.4	5.9	58	<0.1	16.1	7.5	203	2.67	9.2	0.3	1.3	1.0	14	<0.1	0.6	<0.1	56	0.16	0.061
69900N 81375E	Soil		0.9	13.2	6.1	60	<0.1	9.8	5.8	158	2.47	7.7	0.3	1.1	0.8	12	0.1	0.6	<0.1	55	0.13	0.078
69900N 81400E	Soil		0.7	17.8	6.1	57	<0.1	11.4	7.0	277	2.54	8.6	0.3	<0.5	0.9	13	<0.1	0.7	<0.1	52	0.16	0.067
69900N 81425E	Soil		0.8	19.0	6.4	55	<0.1	11.9	6.7	220	2.61	9.4	0.3	1.3	1.1	17	0.1	0.7	<0.1	57	0.19	0.078

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		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
69850N 81475E	Soil		4	16	0.25	150	0.044	2	1.54	0.013	0.03	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	0.2
69850N 81500E	Soil		5	15	0.34	98	0.036	1	1.60	0.010	0.04	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69850N 81525E	Soil		6	14	0.24	118	0.044	1	1.30	0.025	0.03	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69850N 81550E	Soil		4	15	0.33	146	0.048	2	1.25	0.012	0.03	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
69900N 80800E	Soil		10	15	0.39	194	0.053	2	1.35	0.021	0.03	<0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
69900N 80825E	Soil		6	13	0.31	127	0.045	2	1.11	0.015	0.04	<0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
69900N 80850E	Soil		5	17	0.30	108	0.050	2	1.47	0.009	0.03	<0.1	0.01	3.0	<0.1	<0.05	4	<0.5	0.4
69900N 80875E	Soil		6	12	0.24	117	0.047	2	0.95	0.012	0.04	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
69900N 80900E	Soil		4	16	0.34	142	0.052	2	1.27	0.011	0.04	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69900N 80925E	Soil		8	17	0.36	132	0.054	2	1.05	0.016	0.05	<0.1	0.04	4.4	<0.1	<0.05	3	<0.5	<0.2
69900N 80950E	Soil		9	17	0.36	132	0.059	2	1.06	0.018	0.06	<0.1	0.04	4.8	<0.1	<0.05	3	<0.5	<0.2
69900N 80975E	Soil		7	18	0.33	122	0.043	2	1.26	0.011	0.06	0.1	0.02	3.7	<0.1	<0.05	4	<0.5	<0.2
69900N 81000E	Soil		8	19	0.44	184	0.040	2	1.12	0.018	0.05	<0.1	0.04	4.1	<0.1	<0.05	3	<0.5	<0.2
69900N 81025E	Soil		7	17	0.44	150	0.043	2	1.07	0.017	0.05	0.1	0.05	3.9	<0.1	0.06	3	<0.5	<0.2
69900N 81050E	Soil		9	21	0.48	205	0.048	2	1.40	0.016	0.05	0.1	0.04	4.7	<0.1	0.05	4	<0.5	<0.2
69900N 81075E	Soil		9	20	0.47	209	0.045	2	1.25	0.017	0.04	0.1	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
69900N 81100E	Soil		7	16	0.36	152	0.056	2	1.04	0.017	0.05	<0.1	0.04	3.9	<0.1	0.06	3	<0.5	<0.2
69900N 81125E	Soil		9	18	0.40	132	0.067	2	1.00	0.019	0.05	<0.1	0.08	4.0	<0.1	<0.05	3	<0.5	0.2
69900N 81150E	Soil		8	17	0.41	168	0.058	2	1.14	0.018	0.05	<0.1	0.05	4.7	<0.1	<0.05	3	<0.5	<0.2
69900N 81175E	Soil		8	17	0.35	125	0.068	2	0.98	0.018	0.05	<0.1	0.03	4.0	<0.1	<0.05	3	<0.5	<0.2
69900N 81200E	Soil		8	16	0.36	116	0.060	2	0.96	0.023	0.06	0.1	0.02	3.6	<0.1	<0.05	3	<0.5	<0.2
69900N 81225E	Soil		6	16	0.34	145	0.065	<1	1.07	0.023	0.05	<0.1	<0.01	3.3	<0.1	<0.05	3	<0.5	<0.2
69900N 81250E	Soil		5	12	0.18	151	0.047	2	0.85	0.008	0.04	0.1	0.02	1.9	<0.1	0.06	4	<0.5	<0.2
69900N 81275E	Soil		5	16	0.32	122	0.041	2	1.39	0.030	0.03	<0.1	0.02	2.9	<0.1	<0.05	4	<0.5	0.2
69900N 81300E	Soil		8	16	0.29	136	0.050	1	1.10	0.013	0.03	<0.1	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
69900N 81325E	Soil		5	19	0.32	140	0.036	2	1.78	0.008	0.04	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
69900N 81350E	Soil		5	17	0.26	135	0.046	1	1.64	0.009	0.03	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
69900N 81375E	Soil		5	14	0.17	110	0.042	2	1.23	0.008	0.03	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
69900N 81400E	Soil		6	15	0.25	118	0.045	2	1.20	0.013	0.03	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
69900N 81425E	Soil		7	16	0.22	122	0.045	1	1.32	0.019	0.04	<0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69900N 81450E	Soil		0.7	24.0	6.0	65	<0.1	14.6	6.7	310	2.59	8.7	0.4	1.2	0.9	18	<0.1	0.7	<0.1	54	0.20	0.084
69900N 81475E	Soil		0.7	11.6	4.9	45	<0.1	10.0	4.5	146	1.99	5.1	0.3	<0.5	0.7	14	<0.1	0.4	<0.1	47	0.14	0.051
69900N 81500E	Soil		0.8	18.6	5.6	58	<0.1	12.5	6.1	339	2.38	7.1	0.3	1.6	0.9	20	<0.1	0.6	<0.1	54	0.21	0.070
69900N 81525E	Soil		0.6	14.0	4.7	81	<0.1	13.0	5.6	316	2.21	5.4	0.4	1.3	0.9	21	0.1	0.5	<0.1	53	0.32	0.058
69900N 81550E	Soil		0.7	17.1	7.4	87	0.1	12.2	8.3	499	2.95	10.5	0.3	0.6	0.9	19	0.2	0.7	<0.1	61	0.21	0.168
69950N 80800E	Soil		1.0	25.9	7.4	55	0.1	12.9	8.3	595	2.75	11.8	0.4	<0.5	0.8	33	0.2	0.8	<0.1	57	0.50	0.074
69950N 80825E	Soil		1.0	28.4	7.2	59	0.1	14.3	8.5	686	2.86	11.4	0.4	47.5	0.7	30	0.2	0.9	<0.1	61	0.39	0.069
69950N 80850E	Soil		0.9	28.1	7.1	64	<0.1	14.7	8.7	448	2.94	11.9	0.3	0.8	0.7	24	0.2	1.0	<0.1	61	0.32	0.072
69950N 80875E	Soil		0.7	25.4	6.8	65	<0.1	18.9	9.5	546	2.94	11.1	0.4	1.0	1.3	33	0.2	0.8	<0.1	53	0.41	0.076
69950N 80900E	Soil		0.8	17.8	6.3	51	<0.1	13.9	7.6	317	2.64	9.6	0.3	1.9	0.9	18	0.1	0.8	<0.1	57	0.21	0.059
69950N 80925E	Soil		0.7	12.7	5.7	59	<0.1	11.7	6.6	361	2.46	6.9	0.2	0.7	0.7	16	0.1	0.6	<0.1	60	0.20	0.049
69950N 80950E	Soil		0.7	20.8	6.5	53	<0.1	16.1	8.7	423	2.83	11.6	0.3	0.8	1.0	24	0.2	0.9	<0.1	55	0.27	0.062
69950N 80975E	Soil		0.9	24.2	6.8	60	<0.1	17.6	8.4	451	2.88	11.4	0.4	1.3	1.2	30	0.1	0.8	<0.1	55	0.41	0.068
69950N 81000E	Soil		13.0	22.2	7.5	66	<0.1	16.1	9.3	660	2.83	11.6	0.5	1.8	0.9	43	0.2	0.7	<0.1	52	0.60	0.071
69950N 81025E	Soil		1.5	23.1	6.2	67	0.1	16.1	9.7	789	2.85	10.1	0.5	120.6	1.1	36	0.2	0.6	<0.1	56	0.48	0.070
69950N 81050E	Soil		1.4	24.7	6.7	71	<0.1	16.0	10.1	937	2.97	9.7	0.6	<0.5	1.0	37	0.2	0.6	<0.1	62	0.52	0.072
69950N 81075E	Soil		0.8	19.6	6.3	62	<0.1	18.2	9.0	624	2.78	9.6	0.3	<0.5	1.1	31	0.2	0.7	<0.1	48	0.51	0.065
69950N 81100E	Soil		0.8	17.5	6.2	46	<0.1	14.1	7.4	454	2.49	8.8	0.4	0.6	1.0	27	0.1	0.6	<0.1	49	0.44	0.065
69950N 81125E	Soil		0.8	23.7	6.3	54	<0.1	15.3	8.4	466	2.73	10.3	0.4	0.6	1.1	30	0.2	0.7	<0.1	55	0.44	0.070
69950N 81150E	Soil		0.9	23.7	7.1	57	<0.1	15.0	8.5	541	2.88	11.3	0.4	1.7	1.2	25	0.2	0.9	<0.1	56	0.36	0.070
69950N 81175E	Soil		0.9	26.4	7.4	58	<0.1	16.8	9.1	590	2.97	12.2	0.4	1.0	1.3	27	0.3	0.9	<0.1	56	0.43	0.070
69950N 81200E	Soil		0.7	24.9	7.1	61	<0.1	17.3	9.5	616	2.96	11.6	0.4	0.9	1.3	31	0.2	0.8	<0.1	56	0.48	0.078
69950N 81225E	Soil		0.9	23.2	6.7	54	<0.1	13.9	7.6	382	2.78	11.3	0.3	1.1	1.0	23	0.2	0.9	<0.1	57	0.29	0.069
69950N 81250E	Soil		0.8	15.6	6.5	68	<0.1	11.5	7.4	514	2.64	7.6	0.3	<0.5	0.7	19	0.2	0.6	<0.1	59	0.22	0.113
69950N 81275E	Soil		0.9	12.8	6.9	69	<0.1	9.5	6.0	507	2.75	8.0	0.3	<0.5	0.8	13	0.2	0.7	<0.1	60	0.13	0.106
69950N 81300E	Soil		1.0	14.4	6.5	75	<0.1	13.5	8.1	358	2.89	9.6	0.3	0.7	0.9	16	0.1	0.7	<0.1	59	0.19	0.137
69950N 81325E	Soil		1.2	21.0	7.0	59	0.1	13.9	7.4	295	2.85	9.8	0.3	2.3	1.0	16	0.1	0.8	<0.1	61	0.19	0.058
69950N 81350E	Soil		0.5	10.6	4.9	37	<0.1	9.4	4.2	124	1.50	3.5	0.3	0.9	0.6	19	<0.1	0.4	<0.1	40	0.22	0.034
69950N 81375E	Soil		0.5	11.8	5.6	36	0.1	7.9	4.2	177	1.23	2.9	0.3	1.5	0.4	20	0.1	0.2	<0.1	37	0.25	0.032
69950N 81400E	Soil		0.5	15.7	5.5	44	<0.1	12.5	5.4	324	2.14	6.1	0.4	1.7	1.2	28	<0.1	0.5	<0.1	50	0.41	0.070

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		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
69900N 81450E	Soil		9	18	0.27	160	0.048	2	1.54	0.009	0.04	<0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
69900N 81475E	Soil		5	14	0.19	104	0.039	<1	1.30	0.008	0.03	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
69900N 81500E	Soil		7	16	0.27	164	0.055	3	1.36	0.010	0.04	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
69900N 81525E	Soil		7	17	0.31	114	0.065	2	1.26	0.010	0.04	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
69900N 81550E	Soil		6	16	0.23	166	0.065	2	1.30	0.014	0.04	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
69950N 80800E	Soil		8	17	0.34	166	0.053	3	1.05	0.018	0.05	0.1	0.03	4.1	<0.1	<0.05	3	<0.5	<0.2
69950N 80825E	Soil		8	18	0.34	171	0.054	2	1.16	0.013	0.05	<0.1	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
69950N 80850E	Soil		9	20	0.34	157	0.052	3	1.22	0.012	0.06	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
69950N 80875E	Soil		9	18	0.32	154	0.061	2	1.10	0.017	0.06	<0.1	0.07	4.8	<0.1	<0.05	3	<0.5	<0.2
69950N 80900E	Soil		6	16	0.27	112	0.057	2	1.18	0.011	0.04	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
69950N 80925E	Soil		5	15	0.23	161	0.046	<1	1.24	0.009	0.03	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
69950N 80950E	Soil		7	17	0.31	140	0.046	2	1.11	0.012	0.05	<0.1	0.03	4.2	<0.1	<0.05	3	<0.5	<0.2
69950N 80975E	Soil		8	18	0.32	142	0.052	2	1.16	0.011	0.08	<0.1	0.04	4.8	<0.1	<0.05	3	<0.5	<0.2
69950N 81000E	Soil		8	18	0.35	179	0.047	2	1.16	0.018	0.05	<0.1	0.05	4.4	<0.1	<0.05	3	<0.5	<0.2
69950N 81025E	Soil		8	18	0.38	156	0.053	3	1.11	0.015	0.04	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
69950N 81050E	Soil		8	20	0.41	160	0.059	3	1.10	0.013	0.04	<0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
69950N 81075E	Soil		8	14	0.35	149	0.052	2	1.04	0.013	0.04	<0.1	0.04	4.2	<0.1	<0.05	3	<0.5	<0.2
69950N 81100E	Soil		8	14	0.31	145	0.052	2	1.06	0.015	0.04	<0.1	0.04	4.1	<0.1	<0.05	3	<0.5	<0.2
69950N 81125E	Soil		9	17	0.30	158	0.063	2	1.04	0.016	0.05	<0.1	0.05	4.6	<0.1	<0.05	3	<0.5	<0.2
69950N 81150E	Soil		8	16	0.30	154	0.064	4	1.08	0.013	0.07	<0.1	0.05	4.7	<0.1	<0.05	3	<0.5	0.2
69950N 81175E	Soil		9	17	0.31	160	0.059	2	1.05	0.016	0.07	0.1	0.06	5.1	<0.1	<0.05	3	<0.5	<0.2
69950N 81200E	Soil		9	17	0.33	159	0.058	2	1.09	0.017	0.07	<0.1	0.05	5.1	<0.1	<0.05	3	<0.5	<0.2
69950N 81225E	Soil		6	15	0.27	117	0.060	2	0.99	0.012	0.04	<0.1	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
69950N 81250E	Soil		7	17	0.21	153	0.053	4	1.27	0.009	0.05	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
69950N 81275E	Soil		6	15	0.17	108	0.055	3	1.15	0.008	0.03	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
69950N 81300E	Soil		6	16	0.23	107	0.041	2	1.37	0.007	0.03	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
69950N 81325E	Soil		6	17	0.28	115	0.063	1	1.34	0.009	0.04	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
69950N 81350E	Soil		6	13	0.21	103	0.051	2	1.11	0.010	0.03	<0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
69950N 81375E	Soil		6	13	0.22	122	0.038	2	1.22	0.009	0.03	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
69950N 81400E	Soil		8	17	0.32	121	0.068	1	1.13	0.018	0.05	<0.1	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
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CERTIFICATE OF ANALYSIS SMI10000347.1

		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
69950N 81425E	Soil		0.5	14.9	5.8	38	<0.1	10.1	5.0	202	1.85	5.1	0.4	29.3	1.0	26	<0.1	0.6	<0.1	42	0.24	0.039
69950N 81450E	Soil		0.7	22.9	6.0	49	<0.1	11.9	6.1	337	1.99	6.2	0.3	2.5	1.1	26	<0.1	0.8	<0.1	43	0.24	0.056
69950N 81475E	Soil		0.4	17.4	7.9	28	<0.1	8.7	3.8	108	1.45	4.4	0.4	1.7	0.6	21	<0.1	0.5	<0.1	36	0.19	0.048
69950N 81500E	Soil		0.8	21.6	6.6	61	<0.1	12.0	6.7	244	2.53	8.8	0.4	2.0	0.8	16	0.1	0.9	<0.1	51	0.15	0.063
69950N 81525E	Soil		0.8	17.8	8.2	70	0.1	11.3	7.2	374	2.68	11.1	0.4	3.1	1.0	24	0.2	1.0	<0.1	52	0.19	0.132
69950N 81550E	Soil		0.5	11.6	6.0	54	<0.1	9.4	5.5	380	1.58	3.4	0.3	1.0	0.6	20	<0.1	0.4	<0.1	40	0.21	0.035
70000N 80800E	Soil		0.8	22.1	8.9	63	<0.1	11.3	8.2	669	2.71	10.1	0.3	1.7	0.9	25	0.2	1.0	<0.1	54	0.31	0.076
70000N 80825E	Soil		0.8	24.0	10.1	63	<0.1	13.6	8.0	465	2.79	10.9	0.4	1.0	0.8	26	0.2	1.0	<0.1	55	0.27	0.072
70000N 80850E	Soil		1.0	27.7	8.5	64	<0.1	16.7	9.2	412	3.05	11.8	0.4	2.1	1.4	33	0.2	1.0	0.1	54	0.30	0.063
70000N 80875E	Soil		0.8	16.5	8.3	69	<0.1	15.2	7.8	438	2.78	10.9	0.3	0.5	1.0	23	0.2	0.9	0.1	51	0.20	0.094
70000N 80900E	Soil		0.6	23.7	7.4	57	<0.1	17.1	8.0	339	2.85	11.4	0.4	2.6	1.2	31	0.1	1.1	<0.1	49	0.25	0.064
70000N 80925E	Soil		0.8	15.5	8.1	50	<0.1	16.5	8.1	283	2.80	11.2	0.4	<0.5	1.2	22	<0.1	1.0	<0.1	52	0.19	0.075
70000N 80950E	Soil		0.9	20.1	7.8	60	<0.1	16.8	8.9	346	2.97	11.2	0.4	1.2	1.4	27	0.1	1.0	<0.1	54	0.22	0.070
70000N 80975E	Soil		1.7	43.1	8.4	61	<0.1	17.5	9.1	500	2.86	11.2	0.9	2.7	1.5	43	0.1	1.0	0.1	53	0.37	0.080
70000N 81000E	Soil		1.5	23.9	7.6	79	<0.1	15.1	8.9	795	2.72	10.6	0.5	1.4	1.1	38	0.4	0.8	0.1	49	0.39	0.084
70000N 81025E	Soil		0.8	12.0	6.9	64	<0.1	12.6	7.5	325	2.60	7.0	0.4	0.6	1.0	16	0.1	0.6	<0.1	51	0.15	0.105
70000N 81050E	Soil		0.8	19.6	7.2	61	<0.1	15.4	8.7	477	2.61	9.2	0.4	<0.5	1.2	20	0.1	0.8	<0.1	50	0.19	0.080
70000N 81075E	Soil		0.9	15.8	7.7	68	<0.1	12.8	7.5	582	2.54	8.6	0.3	0.8	0.9	19	0.1	0.7	<0.1	52	0.18	0.091
70000N 81100E	Soil		0.7	20.0	6.8	56	<0.1	16.4	7.9	275	2.73	11.0	0.3	1.0	1.1	17	0.1	0.9	<0.1	55	0.16	0.085
70000N 81125E	Soil		0.7	20.9	6.6	51	<0.1	14.1	7.1	374	2.33	9.4	0.4	1.9	1.2	29	0.2	0.9	<0.1	46	0.29	0.086
70000N 81150E	Soil		0.6	22.5	7.9	64	<0.1	12.5	7.8	545	2.58	9.6	0.4	1.5	1.0	27	0.5	1.0	<0.1	52	0.33	0.083
70000N 81175E	Soil		0.7	21.6	7.8	58	<0.1	12.9	7.3	515	2.57	10.3	0.4	1.9	1.1	30	0.2	1.0	<0.1	49	0.35	0.096
70000N 81200E	Soil		0.8	26.3	8.2	57	<0.1	13.5	8.1	455	2.70	11.5	0.4	1.5	1.2	30	0.1	1.2	<0.1	56	0.31	0.049
70000N 81225E	Soil		0.6	15.5	4.5	57	<0.1	12.5	5.0	185	1.92	4.1	0.3	1.4	0.8	20	<0.1	0.5	<0.1	41	0.18	0.054
70000N 81250E	Soil		0.6	13.9	5.3	63	0.1	10.2	4.5	339	1.84	4.7	0.3	2.2	0.9	20	0.1	0.5	<0.1	41	0.17	0.065
70000N 81275E	Soil		0.5	10.9	5.5	40	0.1	7.4	3.4	552	1.40	3.0	0.2	1.3	0.5	22	0.2	0.4	<0.1	32	0.22	0.059
70000N 81300E	Soil		0.5	15.1	5.7	43	<0.1	9.6	5.0	171	1.82	4.0	0.3	1.6	0.9	24	<0.1	0.5	<0.1	45	0.20	0.043
70000N 81325E	Soil		0.8	28.7	7.4	54	<0.1	14.1	7.0	254	2.62	10.7	0.4	13.1	1.1	22	0.2	1.0	<0.1	55	0.18	0.052
70000N 81350E	Soil		0.8	21.7	7.0	52	0.1	13.2	6.8	170	2.31	9.3	0.3	1.8	1.0	17	0.1	0.9	<0.1	46	0.12	0.049
70000N 81375E	Soil		0.5	16.1	5.3	44	<0.1	11.6	5.2	155	1.65	4.0	0.3	1.0	0.9	18	<0.1	0.5	<0.1	39	0.16	0.033

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Client: **Rio Minerals Ltd.**
1030 - 475 Howe Street
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Project: GD-10
Report Date: August 19, 2010

CERTIFICATE OF ANALYSIS SMI10000347.1

	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
69950N 81425E	Soil	7	14	0.32	139	0.056	2	0.89	0.020	0.04	0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
69950N 81450E	Soil	6	14	0.32	164	0.046	1	1.21	0.011	0.04	<0.1	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
69950N 81475E	Soil	7	12	0.26	154	0.024	2	1.25	0.011	0.02	<0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
69950N 81500E	Soil	6	15	0.28	139	0.042	2	1.36	0.018	0.03	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
69950N 81525E	Soil	5	14	0.30	126	0.042	2	1.23	0.016	0.04	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
69950N 81550E	Soil	5	13	0.33	114	0.049	2	0.99	0.011	0.03	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
70000N 80800E	Soil	6	15	0.35	131	0.055	3	0.95	0.016	0.08	<0.1	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
70000N 80825E	Soil	7	16	0.35	130	0.056	2	1.01	0.017	0.08	<0.1	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
70000N 80850E	Soil	7	17	0.37	155	0.049	2	1.19	0.014	0.05	<0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
70000N 80875E	Soil	6	16	0.30	163	0.041	2	1.22	0.011	0.05	<0.1	0.02	3.5	<0.1	<0.05	4	<0.5	<0.2
70000N 80900E	Soil	9	17	0.34	154	0.045	2	1.21	0.015	0.05	<0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
70000N 80925E	Soil	6	16	0.29	156	0.042	2	1.37	0.013	0.05	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
70000N 80950E	Soil	8	17	0.34	124	0.057	2	1.18	0.010	0.04	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
70000N 80975E	Soil	10	18	0.36	144	0.063	2	1.11	0.013	0.06	<0.1	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
70000N 81000E	Soil	7	16	0.36	184	0.043	2	1.06	0.014	0.05	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
70000N 81025E	Soil	5	15	0.27	127	0.051	2	1.36	0.010	0.04	0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
70000N 81050E	Soil	6	13	0.30	128	0.055	2	1.32	0.009	0.05	<0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
70000N 81075E	Soil	5	15	0.24	108	0.051	2	1.21	0.010	0.05	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
70000N 81100E	Soil	5	15	0.33	142	0.058	2	1.33	0.013	0.04	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
70000N 81125E	Soil	8	14	0.35	115	0.062	1	0.99	0.017	0.05	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
70000N 81150E	Soil	7	15	0.33	139	0.055	2	0.98	0.013	0.07	<0.1	0.02	3.6	<0.1	<0.05	3	<0.5	<0.2
70000N 81175E	Soil	7	14	0.34	139	0.051	2	0.96	0.020	0.09	<0.1	0.03	3.9	<0.1	<0.05	3	<0.5	<0.2
70000N 81200E	Soil	9	16	0.35	150	0.064	2	0.99	0.022	0.07	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
70000N 81225E	Soil	5	13	0.34	107	0.053	2	1.16	0.010	0.04	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
70000N 81250E	Soil	6	12	0.26	143	0.045	2	1.20	0.011	0.04	<0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
70000N 81275E	Soil	5	11	0.22	118	0.035	<1	0.99	0.010	0.04	<0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
70000N 81300E	Soil	7	16	0.34	141	0.067	2	1.07	0.018	0.04	<0.1	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
70000N 81325E	Soil	6	17	0.34	145	0.059	1	1.27	0.018	0.04	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
70000N 81350E	Soil	5	14	0.28	119	0.041	2	1.22	0.010	0.03	<0.1	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
70000N 81375E	Soil	6	13	0.31	143	0.052	<1	1.14	0.015	0.03	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2

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CERTIFICATE OF ANALYSIS SMI10000347.1

	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
70000N 81400E	Soil	0.5	11.5	5.4	38	<0.1	8.4	4.4	154	1.47	3.8	0.3	24.0	0.8	22	<0.1	0.5	<0.1	39	0.19	0.033
70000N 81425E	Soil	0.3	14.5	7.0	34	<0.1	9.8	5.4	232	1.63	4.5	0.4	<0.5	1.0	26	<0.1	0.5	<0.1	42	0.33	0.061
70000N 81450E	Soil	0.4	11.8	6.7	28	<0.1	8.4	4.2	135	1.15	3.2	0.3	1.2	0.8	22	<0.1	0.3	<0.1	34	0.26	0.033
70000N 81475E	Soil	0.6	11.2	5.8	52	<0.1	8.2	5.0	169	1.88	5.0	0.3	1.7	0.7	18	0.1	0.5	<0.1	45	0.18	0.046
70000N 81500E	Soil	1.0	13.6	7.6	57	0.1	8.5	6.1	595	2.35	7.7	0.3	1.3	0.5	19	0.2	0.8	<0.1	50	0.16	0.068
70000N 81525E	Soil	0.9	13.8	8.2	69	0.1	10.1	7.2	657	2.56	9.3	0.3	<0.5	0.8	23	0.3	0.8	<0.1	54	0.20	0.121
70000N 81550E	Soil	0.8	12.5	5.7	47	0.1	9.8	4.7	158	1.95	5.6	0.3	3.1	0.6	18	0.2	0.6	<0.1	48	0.20	0.052

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	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
70000N 81400E	Soil	5	11	0.26	128	0.049	2	0.93	0.014	0.03	<0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
70000N 81425E	Soil	7	13	0.34	136	0.052	1	1.01	0.015	0.03	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
70000N 81450E	Soil	5	10	0.26	138	0.048	<1	1.05	0.015	0.03	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
70000N 81475E	Soil	5	11	0.22	105	0.046	1	0.97	0.010	0.03	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
70000N 81500E	Soil	5	12	0.21	150	0.044	<1	0.95	0.009	0.03	<0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
70000N 81525E	Soil	4	14	0.23	138	0.050	2	1.07	0.013	0.04	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70000N 81550E	Soil	5	12	0.23	116	0.043	1	0.98	0.008	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
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CERTIFICATE OF ANALYSIS SMI10000355.1

	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
70050N 80800E	Soil	1.2	12.1	8.9	72	0.1	8.4	7.4	483	2.90	6.7	0.3	1.5	0.7	13	0.3	0.8	<0.1	66	0.18	0.095
70050N 80825E	Soil	0.6	14.1	6.8	47	<0.1	13.1	7.2	194	2.63	7.7	0.3	0.8	1.0	17	<0.1	0.7	<0.1	56	0.20	0.080
70050N 80850E	Soil	0.9	36.4	9.1	59	<0.1	20.0	11.6	644	3.42	12.1	0.5	1.0	1.5	32	<0.1	1.1	<0.1	67	0.38	0.047
70050N 80875E	Soil	1.0	16.8	7.8	65	<0.1	14.6	8.2	540	2.72	8.3	0.3	3.2	0.9	19	0.2	0.7	<0.1	56	0.26	0.105
70050N 80900E	Soil	1.0	22.7	8.6	73	<0.1	17.4	10.2	691	3.09	11.3	0.4	<0.5	0.7	29	0.3	0.9	<0.1	58	0.35	0.077
70050N 80925E	Soil	0.8	21.1	7.3	60	<0.1	18.6	7.3	456	2.58	9.5	0.4	1.2	0.7	31	0.2	0.7	<0.1	47	0.33	0.068
70050N 80950E	Soil	1.0	16.5	6.5	61	<0.1	12.8	8.1	471	2.55	8.5	0.3	<0.5	0.6	22	0.3	0.7	<0.1	49	0.21	0.074
70050N 80975E	Soil	1.5	18.8	7.9	66	<0.1	15.5	10.4	721	2.99	10.7	0.5	1.1	1.1	34	0.3	0.9	0.1	59	0.45	0.080
70050N 81000E	Soil	1.7	29.9	8.3	72	<0.1	18.5	11.2	1079	3.14	11.3	0.7	0.8	1.1	41	0.3	0.8	<0.1	63	0.55	0.083
70050N 81025E	Soil	1.2	26.9	8.4	71	<0.1	21.8	10.8	584	3.22	11.9	0.4	1.5	1.4	34	0.3	1.0	<0.1	57	0.47	0.074
70050N 81050E	Soil	0.8	24.0	6.8	54	<0.1	16.6	8.1	297	2.83	9.2	0.4	1.8	1.5	25	<0.1	0.8	<0.1	54	0.25	0.073
70050N 81075E	Soil	0.8	22.0	7.4	55	<0.1	13.3	8.4	439	2.79	9.9	0.4	0.6	1.3	19	0.2	0.9	<0.1	58	0.22	0.094
70050N 81100E	Soil	0.7	27.1	7.5	51	<0.1	14.1	7.9	353	2.68	11.2	0.4	0.8	1.2	20	0.2	1.0	<0.1	60	0.24	0.063
70050N 81125E	Soil	0.9	22.2	7.5	69	0.1	14.2	8.3	622	2.95	10.6	0.4	<0.5	1.0	25	0.2	1.0	<0.1	62	0.34	0.105
70050N 81150E	Soil	0.9	22.7	7.1	60	<0.1	13.6	7.9	433	2.77	10.7	0.4	0.9	1.1	24	0.1	0.9	<0.1	60	0.31	0.088
70050N 81175E	Soil	0.7	25.2	8.0	50	<0.1	13.1	8.5	479	2.79	11.1	0.4	1.2	1.1	24	0.2	1.0	<0.1	61	0.37	0.092
70050N 81200E	Soil	0.9	27.7	8.2	56	<0.1	14.2	9.2	590	2.93	12.3	0.4	<0.5	1.3	31	0.2	1.1	<0.1	62	0.44	0.080
70050N 81225E	Soil	0.6	9.9	4.4	50	0.1	9.4	5.2	305	1.94	5.1	0.3	<0.5	0.7	18	0.1	0.5	<0.1	45	0.18	0.034
70050N 81250E	Soil	1.0	13.1	7.7	75	<0.1	10.5	7.5	567	2.81	8.6	0.3	<0.5	0.9	14	0.1	0.6	<0.1	60	0.13	0.105
70050N 81275E	Soil	0.9	17.6	7.6	66	0.1	12.9	7.6	249	2.88	9.5	0.4	1.6	1.1	15	0.1	0.8	<0.1	58	0.15	0.099
70050N 81300E	Soil	0.9	18.8	7.1	67	<0.1	13.8	7.7	293	2.99	11.1	0.3	<0.5	0.9	13	0.1	0.9	<0.1	64	0.14	0.119
70050N 81325E	Soil	0.8	24.9	6.5	57	<0.1	15.9	7.2	230	2.60	9.0	0.4	16.8	1.0	16	<0.1	0.7	<0.1	57	0.15	0.060
70050N 81350E	Soil	0.8	59.5	9.3	147	0.9	31.2	8.3	367	2.43	6.8	1.3	2.0	1.6	38	0.3	0.6	0.1	56	0.55	0.087
70050N 81375E	Soil	0.5	21.9	7.5	46	0.2	13.3	6.9	248	2.42	7.8	0.9	1.3	1.0	32	0.1	0.7	<0.1	56	0.66	0.059
70050N 81400E	Soil	0.4	14.0	6.3	37	<0.1	10.3	5.9	302	1.97	6.2	0.4	2.6	1.0	24	<0.1	0.4	<0.1	48	0.34	0.051
70050N 81425E	Soil	1.0	22.3	8.0	60	<0.1	15.2	8.6	339	3.08	12.1	0.4	0.8	1.1	17	0.1	0.9	<0.1	64	0.18	0.090
70050N 81450E	Soil	1.1	18.9	6.4	46	0.2	11.6	6.8	269	2.49	9.8	0.4	<0.5	0.9	17	0.1	0.8	<0.1	58	0.18	0.058
70050N 81475E	Soil	0.9	35.2	6.4	39	0.4	13.2	5.5	338	2.10	6.8	0.7	0.6	0.3	45	0.2	0.5	<0.1	52	0.99	0.056
70050N 81500E	Soil	0.9	40.0	7.1	73	0.4	16.9	7.1	1099	2.46	7.2	0.7	0.6	0.8	40	0.3	0.6	<0.1	56	0.66	0.048
70050N 81525E	Soil	1.1	26.1	7.0	55	0.1	12.1	6.6	201	2.53	9.5	0.4	2.2	1.1	20	0.1	1.1	<0.1	63	0.20	0.041

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Project: GD-10
Report Date: August 29, 2010

CERTIFICATE OF ANALYSIS SMI10000355.1

	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
70050N 80800E	Soil	4	15	0.18	106	0.033	1	1.01	0.008	0.05	0.1	0.01	2.1	<0.1	0.12	4	<0.5	<0.2
70050N 80825E	Soil	5	15	0.27	122	0.039	<1	1.25	0.008	0.03	<0.1	0.02	2.5	<0.1	0.09	4	<0.5	<0.2
70050N 80850E	Soil	11	21	0.46	215	0.053	2	1.39	0.016	0.08	0.1	0.06	6.1	<0.1	0.07	4	<0.5	<0.2
70050N 80875E	Soil	5	16	0.26	134	0.042	2	1.07	0.010	0.07	<0.1	0.03	2.7	<0.1	0.07	4	<0.5	<0.2
70050N 80900E	Soil	7	18	0.37	159	0.031	1	1.28	0.010	0.05	0.1	0.04	3.4	<0.1	0.08	4	<0.5	<0.2
70050N 80925E	Soil	9	17	0.32	159	0.031	1	1.30	0.012	0.05	<0.1	0.07	3.8	<0.1	0.07	4	<0.5	<0.2
70050N 80950E	Soil	6	15	0.24	145	0.025	<1	1.21	0.008	0.03	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
70050N 80975E	Soil	7	19	0.40	125	0.048	1	1.05	0.013	0.04	0.1	0.04	3.6	<0.1	0.07	4	<0.5	<0.2
70050N 81000E	Soil	9	23	0.51	176	0.044	2	1.22	0.013	0.05	<0.1	0.05	4.5	<0.1	0.10	4	<0.5	<0.2
70050N 81025E	Soil	8	19	0.40	148	0.048	1	1.10	0.013	0.05	0.1	0.07	4.9	<0.1	0.07	3	<0.5	<0.2
70050N 81050E	Soil	8	18	0.34	142	0.063	1	1.26	0.019	0.04	0.1	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
70050N 81075E	Soil	6	17	0.29	106	0.053	1	1.11	0.013	0.05	<0.1	0.03	3.4	<0.1	<0.05	3	<0.5	<0.2
70050N 81100E	Soil	6	16	0.27	123	0.058	2	1.00	0.011	0.04	<0.1	0.03	3.5	<0.1	<0.05	3	<0.5	<0.2
70050N 81125E	Soil	7	16	0.35	139	0.067	1	1.02	0.012	0.06	0.2	0.04	3.4	<0.1	<0.05	3	<0.5	<0.2
70050N 81150E	Soil	7	18	0.34	131	0.056	1	1.06	0.014	0.06	<0.1	0.03	3.8	<0.1	<0.05	3	<0.5	<0.2
70050N 81175E	Soil	7	18	0.34	115	0.060	2	0.98	0.024	0.06	<0.1	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
70050N 81200E	Soil	9	18	0.37	134	0.059	2	0.97	0.030	0.06	0.1	0.05	4.6	<0.1	<0.05	3	<0.5	<0.2
70050N 81225E	Soil	5	14	0.26	93	0.056	<1	0.91	0.010	0.04	<0.1	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
70050N 81250E	Soil	6	17	0.18	146	0.047	1	1.29	0.010	0.03	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
70050N 81275E	Soil	6	19	0.23	99	0.051	1	1.45	0.012	0.04	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
70050N 81300E	Soil	5	18	0.24	109	0.051	1	1.46	0.007	0.04	<0.1	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
70050N 81325E	Soil	6	18	0.30	162	0.050	2	1.63	0.010	0.03	<0.1	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
70050N 81350E	Soil	15	28	0.40	364	0.024	2	3.29	0.013	0.06	<0.1	0.18	7.4	0.1	<0.05	7	<0.5	<0.2
70050N 81375E	Soil	7	17	0.40	284	0.038	1	1.31	0.015	0.04	<0.1	0.03	4.2	<0.1	0.06	4	<0.5	<0.2
70050N 81400E	Soil	7	14	0.26	164	0.049	1	1.14	0.014	0.03	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
70050N 81425E	Soil	6	18	0.27	115	0.056	2	1.36	0.008	0.04	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
70050N 81450E	Soil	6	17	0.23	122	0.055	2	1.38	0.012	0.04	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
70050N 81475E	Soil	12	17	0.21	329	0.024	1	1.59	0.013	0.03	<0.1	0.07	3.3	<0.1	0.08	4	<0.5	<0.2
70050N 81500E	Soil	9	22	0.38	316	0.039	1	1.77	0.012	0.05	<0.1	0.06	5.3	<0.1	0.08	4	<0.5	<0.2
70050N 81525E	Soil	6	17	0.27	131	0.057	2	1.37	0.011	0.04	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2

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Project: GD-10
Report Date: August 29, 2010

CERTIFICATE OF ANALYSIS SMI10000355.1

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
70050N 81550E	Soil	1.1	14.8	8.4	66	<0.1	11.8	8.2	462	3.01	10.6	0.3	<0.5	0.9	17	0.1	0.8	<0.1	65	0.17	0.123
70100N 80800E	Soil	0.9	18.3	7.1	73	<0.1	14.6	7.9	503	2.67	9.7	0.3	<0.5	1.2	14	0.1	0.8	<0.1	57	0.14	0.091
70100N 80825E	Soil	0.7	18.0	8.7	99	0.1	17.5	9.5	431	3.22	10.2	0.4	<0.5	1.2	14	0.2	0.9	<0.1	66	0.15	0.105
70100N 80850E	Soil	0.9	42.7	9.9	60	0.1	15.7	9.8	662	3.10	13.7	0.5	3.2	1.4	28	0.2	1.2	<0.1	63	0.43	0.052
70100N 80875E	Soil	2.3	116.5	18.7	114	0.2	32.9	21.0	1420	4.42	29.8	0.4	13.5	1.8	44	0.6	1.6	0.3	78	1.31	0.087
70100N 80900E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
70100N 80925E	Soil	0.9	22.5	8.1	70	<0.1	16.8	10.8	1216	3.04	10.9	0.4	1.0	0.8	49	0.3	0.7	<0.1	53	0.93	0.082
70100N 80950E	Soil	1.1	18.4	7.2	74	<0.1	16.0	10.3	674	2.80	9.9	0.5	1.4	1.0	33	0.4	0.7	<0.1	55	0.44	0.073
70100N 80975E	Soil	1.2	23.5	7.8	70	<0.1	16.3	9.9	473	2.77	9.5	0.6	1.1	0.8	36	0.2	0.7	<0.1	55	0.48	0.089
70100N 81000E	Soil	1.5	20.0	7.1	67	<0.1	15.7	10.0	563	2.78	10.7	0.5	1.0	1.0	32	<0.1	0.8	<0.1	54	0.44	0.071
70100N 81025E	Soil	1.2	17.5	5.6	39	<0.1	14.6	5.6	371	1.98	6.9	0.6	<0.5	0.4	65	0.3	0.6	<0.1	36	1.78	0.046
70100N 81050E	Soil	1.2	13.3	6.4	72	<0.1	12.0	8.3	549	2.76	9.1	0.3	0.7	0.7	17	0.2	0.6	<0.1	59	0.25	0.098
70100N 81075E	Soil	0.3	10.0	5.2	27	0.2	7.4	3.4	130	0.66	1.1	0.6	9.2	0.3	41	0.3	0.2	<0.1	20	1.12	0.061
70100N 81100E	Soil	0.9	19.5	6.6	65	<0.1	14.8	9.0	459	2.83	10.0	0.3	6.3	0.9	22	0.3	0.8	<0.1	56	0.29	0.081
70100N 81125E	Soil	1.0	20.9	7.0	86	<0.1	14.2	9.0	655	2.80	9.9	0.3	0.7	1.0	23	0.5	0.9	<0.1	56	0.41	0.098
70100N 81150E	Soil	0.9	30.6	8.2	62	<0.1	14.6	9.6	597	3.00	12.7	0.4	2.8	1.1	28	0.2	1.1	<0.1	62	0.50	0.059
70100N 81175E	Soil	0.9	10.8	7.9	51	<0.1	9.1	7.0	292	2.71	6.8	0.3	1.6	0.9	16	0.1	0.6	<0.1	64	0.17	0.090
70100N 81200E	Soil	0.7	14.2	7.3	59	<0.1	11.1	6.9	439	2.61	8.1	0.3	0.8	0.6	16	0.1	0.5	<0.1	57	0.21	0.121
70100N 81225E	Soil	0.9	22.8	6.8	55	<0.1	11.4	6.3	375	2.48	8.4	0.4	1.5	1.1	15	<0.1	0.6	<0.1	54	0.18	0.077
70100N 81250E	Soil	0.6	13.1	6.6	55	<0.1	11.2	4.5	148	1.62	5.1	0.3	0.8	0.2	15	<0.1	0.5	<0.1	44	0.14	0.051
70100N 81275E	Soil	0.5	10.7	6.7	31	<0.1	7.5	3.9	107	1.33	3.6	0.2	<0.5	0.4	18	<0.1	0.3	<0.1	38	0.13	0.027
70100N 81300E	Soil	0.7	19.8	8.8	29	0.2	13.0	4.7	90	1.34	4.3	0.5	1.4	0.1	23	<0.1	0.4	<0.1	33	0.18	0.062
70100N 81325E	Soil	1.0	19.7	7.1	60	<0.1	16.0	8.5	323	2.82	12.3	0.4	1.4	1.3	19	<0.1	1.0	<0.1	59	0.15	0.075
70100N 81350E	Soil	0.4	10.0	7.2	40	<0.1	9.5	3.4	128	1.29	3.4	0.3	1.4	0.3	15	<0.1	0.4	<0.1	35	0.13	0.070
70100N 81375E	Soil	0.9	19.4	7.1	57	<0.1	11.9	6.9	224	2.72	10.5	0.4	3.0	1.3	16	<0.1	0.9	<0.1	58	0.14	0.084
70100N 81400E	Soil	0.9	22.0	7.9	69	<0.1	14.6	8.3	371	2.91	11.4	0.4	2.5	1.2	15	0.1	1.0	<0.1	63	0.14	0.105
70100N 81425E	Soil	1.0	21.8	7.2	51	0.2	12.7	6.6	526	2.46	8.7	0.5	19.5	0.8	31	0.1	0.8	<0.1	61	0.42	0.038
70100N 81450E	Soil	1.2	14.6	7.9	68	0.2	11.4	6.7	710	2.78	12.1	0.3	1.0	0.6	19	0.2	0.8	<0.1	60	0.19	0.086
70100N 81475E	Soil	0.9	17.0	6.9	58	<0.1	11.6	6.3	276	2.51	9.7	0.4	0.5	0.8	21	0.2	0.9	<0.1	61	0.21	0.036
70100N 81500E	Soil	0.8	30.2	6.2	28	0.3	8.6	4.5	636	1.46	4.3	1.0	1.6	0.2	74	0.6	0.6	<0.1	38	1.54	0.063

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	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
70050N 81550E	Soil	6	18	0.19	126	0.051	1	1.42	0.010	0.04	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
70100N 80800E	Soil	5	18	0.24	108	0.050	1	1.42	0.012	0.04	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
70100N 80825E	Soil	5	19	0.26	126	0.041	2	1.50	0.008	0.05	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
70100N 80850E	Soil	9	17	0.37	161	0.060	2	1.01	0.015	0.07	<0.1	0.07	5.4	<0.1	<0.05	4	<0.5	<0.2
70100N 80875E	Soil	10	27	0.76	346	0.052	3	1.57	0.018	0.25	0.3	0.10	8.2	0.2	0.07	5	<0.5	<0.2
70100N 80900E	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
70100N 80925E	Soil	8	20	0.43	266	0.036	3	1.18	0.016	0.05	<0.1	0.05	4.3	<0.1	0.11	4	<0.5	<0.2
70100N 80950E	Soil	8	20	0.41	158	0.045	1	1.16	0.021	0.04	<0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
70100N 80975E	Soil	9	19	0.37	177	0.039	1	1.15	0.013	0.05	<0.1	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
70100N 81000E	Soil	8	18	0.37	159	0.040	2	1.18	0.014	0.04	<0.1	0.06	4.3	<0.1	<0.05	4	<0.5	<0.2
70100N 81025E	Soil	5	19	0.26	356	0.029	6	0.85	0.014	0.05	<0.1	0.06	2.7	<0.1	0.07	3	1.0	<0.2
70100N 81050E	Soil	5	15	0.24	129	0.047	<1	1.07	0.010	0.07	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
70100N 81075E	Soil	4	12	0.21	142	0.030	2	0.83	0.011	0.05	<0.1	0.03	2.4	<0.1	0.09	3	<0.5	<0.2
70100N 81100E	Soil	7	17	0.31	128	0.052	2	1.07	0.017	0.06	0.1	0.03	4.0	<0.1	<0.05	3	<0.5	<0.2
70100N 81125E	Soil	7	17	0.33	151	0.056	<1	1.02	0.015	0.07	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
70100N 81150E	Soil	8	18	0.33	163	0.061	<1	1.05	0.017	0.08	<0.1	0.04	5.0	<0.1	<0.05	3	<0.5	<0.2
70100N 81175E	Soil	6	17	0.16	145	0.053	1	1.03	0.010	0.03	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
70100N 81200E	Soil	5	16	0.19	135	0.041	2	1.20	0.008	0.04	<0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
70100N 81225E	Soil	6	16	0.23	118	0.052	1	1.15	0.008	0.03	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
70100N 81250E	Soil	5	15	0.26	99	0.032	<1	1.31	0.010	0.03	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
70100N 81275E	Soil	5	13	0.22	126	0.026	<1	1.04	0.010	0.02	<0.1	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
70100N 81300E	Soil	7	15	0.20	189	0.011	<1	1.54	0.013	0.03	0.1	0.06	1.5	<0.1	<0.05	4	0.7	<0.2
70100N 81325E	Soil	6	18	0.31	146	0.039	1	1.43	0.010	0.03	<0.1	0.03	3.1	<0.1	<0.05	4	0.7	<0.2
70100N 81350E	Soil	5	13	0.22	78	0.030	<1	1.11	0.010	0.04	<0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
70100N 81375E	Soil	8	17	0.29	129	0.047	1	1.44	0.012	0.04	<0.1	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
70100N 81400E	Soil	7	17	0.31	142	0.048	1	1.42	0.009	0.03	0.1	0.04	3.3	<0.1	<0.05	4	0.6	<0.2
70100N 81425E	Soil	6	17	0.28	277	0.036	2	1.38	0.013	0.04	<0.1	0.06	3.7	<0.1	<0.05	4	<0.5	<0.2
70100N 81450E	Soil	5	14	0.25	143	0.034	1	1.21	0.008	0.04	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
70100N 81475E	Soil	5	16	0.29	148	0.050	2	1.22	0.011	0.03	<0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
70100N 81500E	Soil	7	14	0.25	308	0.031	2	0.91	0.014	0.04	<0.1	0.07	2.7	<0.1	0.08	3	<0.5	<0.2

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Project: GD-10
Report Date: August 29, 2010

CERTIFICATE OF ANALYSIS SMI10000355.1

	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
70100N 81525E	Soil	0.9	19.8	8.1	61	<0.1	13.0	7.9	297	3.05	12.5	0.4	1.1	1.0	19	0.1	1.0	<0.1	66	0.19	0.096
70100N 81550E	Soil	0.8	17.9	7.5	73	0.2	11.6	6.9	282	2.75	10.3	0.4	0.9	1.0	20	0.2	0.9	<0.1	60	0.17	0.098

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CERTIFICATE OF ANALYSIS SMI10000355.1

	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
70100N 81525E	Soil	6	18	0.30	153	0.049	2	1.28	0.011	0.03	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
70100N 81550E	Soil	6	15	0.25	146	0.043	2	1.26	0.009	0.04	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2

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CERTIFICATE OF ANALYSIS SMI10000358.1

		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
70150N 80800E	Soil		1.1	18.9	14.0	58	<0.1	14.0	8.7	475	3.25	15.0	0.4	19.2	1.0	18	0.2	1.3	0.1	67	0.25	0.089
70150N 80825E	Soil		0.8	26.2	9.4	62	0.1	13.1	9.2	995	2.61	11.4	0.4	1.1	1.1	31	0.4	1.1	<0.1	54	0.42	0.083
70150N 80850E	Soil		0.8	28.0	9.9	61	<0.1	14.3	9.1	695	2.78	13.0	0.4	2.5	1.1	25	0.3	1.2	0.1	55	0.34	0.066
70150N 80875E	Soil		0.8	28.8	9.2	64	0.1	14.6	8.2	588	2.74	11.7	0.4	1.8	1.0	32	0.3	1.1	<0.1	54	0.51	0.067
70150N 80900E	Soil		0.8	28.5	9.3	66	<0.1	14.9	9.7	659	2.76	10.9	0.4	1.8	1.1	35	0.4	1.1	<0.1	54	0.63	0.080
70150N 80925E	Soil		1.3	18.4	8.4	64	<0.1	14.2	10.2	639	2.84	11.2	0.6	0.9	1.1	29	0.3	0.9	<0.1	52	0.30	0.072
70150N 80950E	Soil		3.4	44.3	10.4	86	0.1	13.1	9.3	559	3.35	13.6	0.5	1.0	1.1	25	0.3	0.9	0.1	62	0.21	0.116
70150N 80975E	Soil		2.1	16.9	9.8	89	<0.1	15.4	10.6	973	3.43	13.6	0.4	3.3	1.1	24	0.3	0.9	0.1	64	0.25	0.124
70150N 81000E	Soil		0.9	20.7	7.7	53	<0.1	12.1	7.9	361	2.71	11.9	0.3	1.6	1.0	20	0.2	1.0	<0.1	55	0.22	0.071
70150N 81025E	Soil		1.0	18.8	7.8	60	<0.1	17.5	9.5	275	3.26	12.9	0.3	<0.5	0.9	16	0.1	0.9	<0.1	66	0.15	0.088
70150N 81050E	Soil		1.0	17.0	7.3	53	<0.1	14.6	8.3	233	2.94	11.8	0.3	<0.5	0.9	18	<0.1	1.0	<0.1	58	0.17	0.064
70150N 81075E	Soil		0.7	9.6	9.4	49	<0.1	8.5	6.8	640	2.59	7.5	0.3	0.8	0.9	19	0.1	0.7	<0.1	56	0.18	0.076
70150N 81100E	Soil		0.9	22.5	9.2	68	<0.1	15.1	10.6	692	3.03	12.0	0.4	<0.5	1.2	33	0.3	1.1	<0.1	57	0.48	0.100
70150N 81125E	Soil		0.8	21.6	7.5	57	<0.1	13.8	7.3	276	3.09	13.3	0.4	9.0	1.2	23	0.1	1.2	<0.1	64	0.20	0.043
70150N 81150E	Soil		0.9	26.8	7.8	63	<0.1	15.5	8.5	313	3.13	13.4	0.4	2.0	1.1	20	0.2	1.2	<0.1	63	0.22	0.092
70150N 81175E	Soil		0.9	26.0	8.8	63	<0.1	16.3	7.7	295	3.17	15.1	0.4	1.6	1.2	19	0.1	1.2	<0.1	66	0.21	0.100
70150N 81200E	Soil		0.9	24.7	7.8	58	<0.1	16.5	7.9	297	3.07	14.2	0.4	<0.5	1.2	19	<0.1	1.2	<0.1	62	0.21	0.082
70150N 81225E	Soil		0.7	28.8	7.1	49	<0.1	14.3	7.0	279	2.61	10.7	0.4	3.8	1.4	19	<0.1	0.9	<0.1	53	0.17	0.059
70150N 81250E	Soil		0.8	19.7	8.0	80	0.1	16.4	8.9	263	3.12	13.3	0.4	1.3	1.1	14	0.1	1.0	<0.1	59	0.18	0.105
70150N 81275E	Soil		0.9	25.6	11.5	61	0.1	14.8	8.3	285	2.92	13.8	0.4	1.3	1.0	15	<0.1	1.0	<0.1	60	0.14	0.082
70150N 81300E	Soil		0.7	21.0	6.5	67	<0.1	13.6	7.2	276	2.68	9.6	0.4	2.0	1.1	24	0.1	0.8	<0.1	54	0.21	0.076
70150N 81325E	Soil		0.5	10.6	6.9	55	<0.1	8.7	5.2	247	1.69	4.5	0.3	1.1	1.0	17	<0.1	0.4	<0.1	40	0.16	0.049
70150N 81350E	Soil		0.5	14.4	6.7	54	<0.1	12.1	5.8	151	1.98	5.5	0.3	<0.5	0.9	17	<0.1	0.5	<0.1	47	0.16	0.060
70150N 81375E	Soil		0.8	14.9	8.6	58	0.2	10.0	7.0	341	2.75	10.9	0.4	2.6	1.3	18	0.1	0.9	<0.1	57	0.17	0.118
70150N 81400E	Soil		0.8	14.2	6.8	51	<0.1	14.2	6.8	289	2.44	9.4	0.3	0.6	1.0	16	<0.1	0.7	<0.1	48	0.15	0.084
70150N 81425E	Soil		0.8	11.2	8.9	75	0.1	8.8	7.2	503	2.91	9.9	0.3	0.8	0.9	28	0.2	0.8	0.1	61	0.24	0.214
70150N 81450E	Soil		0.8	19.4	8.4	63	<0.1	12.0	7.5	515	2.96	11.9	0.4	9.6	0.9	19	0.2	1.5	<0.1	62	0.22	0.110
70150N 81475E	Soil		0.8	14.6	9.2	76	0.1	11.2	6.4	247	2.81	10.1	0.4	3.3	1.0	13	0.2	0.8	<0.1	54	0.12	0.143
70150N 81500E	Soil		0.9	22.5	8.2	68	0.1	12.2	7.8	412	2.98	12.4	0.4	1.4	1.1	18	0.2	1.1	<0.1	60	0.18	0.088
70150N 81525E	Soil		0.4	10.8	6.9	32	0.3	8.6	4.6	155	1.39	3.9	0.3	4.4	0.4	17	<0.1	0.3	<0.1	34	0.19	0.044

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Project: GD-10
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CERTIFICATE OF ANALYSIS SMI10000358.1

		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
70150N 80800E	Soil		5	17	0.36	120	0.039	2	1.25	0.009	0.03	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
70150N 80825E	Soil		7	15	0.37	164	0.040	2	0.89	0.018	0.04	<0.1	0.07	4.4	<0.1	<0.05	3	<0.5	<0.2
70150N 80850E	Soil		8	16	0.36	137	0.043	2	0.91	0.014	0.06	<0.1	0.05	4.2	<0.1	<0.05	3	<0.5	<0.2
70150N 80875E	Soil		8	16	0.42	200	0.039	1	0.98	0.015	0.04	0.1	0.05	4.5	<0.1	<0.05	3	<0.5	<0.2
70150N 80900E	Soil		8	16	0.39	142	0.038	2	0.91	0.014	0.06	0.1	0.06	4.4	<0.1	<0.05	3	<0.5	<0.2
70150N 80925E	Soil		8	17	0.41	122	0.031	1	1.08	0.012	0.03	0.1	0.04	3.9	<0.1	<0.05	3	<0.5	<0.2
70150N 80950E	Soil		6	19	0.36	152	0.022	2	1.53	0.008	0.04	0.1	0.04	3.5	<0.1	<0.05	5	<0.5	<0.2
70150N 80975E	Soil		5	18	0.34	191	0.029	1	1.32	0.008	0.04	0.1	0.04	3.1	<0.1	<0.05	5	<0.5	<0.2
70150N 81000E	Soil		6	15	0.30	122	0.046	1	0.93	0.014	0.04	<0.1	0.02	3.4	<0.1	<0.05	3	<0.5	0.4
70150N 81025E	Soil		5	17	0.33	146	0.039	1	1.55	0.009	0.04	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
70150N 81050E	Soil		4	15	0.33	120	0.043	2	1.19	0.009	0.04	0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
70150N 81075E	Soil		5	14	0.17	164	0.039	1	0.91	0.007	0.05	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
70150N 81100E	Soil		8	17	0.38	147	0.055	2	1.00	0.018	0.07	<0.1	0.03	4.4	<0.1	<0.05	3	<0.5	<0.2
70150N 81125E	Soil		6	18	0.33	167	0.052	1	1.17	0.010	0.03	<0.1	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
70150N 81150E	Soil		6	17	0.32	133	0.047	1	1.23	0.011	0.04	0.1	0.03	3.7	<0.1	<0.05	3	<0.5	<0.2
70150N 81175E	Soil		7	18	0.32	155	0.050	2	1.38	0.011	0.04	0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
70150N 81200E	Soil		6	17	0.30	161	0.051	2	1.30	0.011	0.04	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
70150N 81225E	Soil		6	17	0.32	142	0.050	<1	1.31	0.013	0.04	<0.1	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
70150N 81250E	Soil		6	17	0.31	120	0.043	1	1.60	0.008	0.04	0.1	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
70150N 81275E	Soil		6	18	0.33	143	0.047	2	1.40	0.009	0.03	<0.1	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
70150N 81300E	Soil		7	17	0.30	167	0.047	2	1.40	0.010	0.03	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
70150N 81325E	Soil		5	12	0.22	125	0.040	1	1.16	0.008	0.03	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
70150N 81350E	Soil		6	15	0.22	131	0.037	<1	1.45	0.009	0.03	<0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
70150N 81375E	Soil		6	16	0.22	113	0.041	<1	1.21	0.007	0.03	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
70150N 81400E	Soil		5	15	0.28	114	0.038	<1	1.46	0.008	0.03	<0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
70150N 81425E	Soil		5	15	0.22	130	0.043	2	1.25	0.008	0.03	0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
70150N 81450E	Soil		5	16	0.28	133	0.046	2	1.28	0.008	0.05	<0.1	0.06	2.9	<0.1	<0.05	4	<0.5	<0.2
70150N 81475E	Soil		6	15	0.27	128	0.038	2	1.41	0.009	0.03	0.1	0.04	2.6	<0.1	<0.05	4	<0.5	<0.2
70150N 81500E	Soil		6	16	0.30	172	0.054	<1	1.19	0.013	0.03	<0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
70150N 81525E	Soil		5	12	0.26	119	0.024	<1	1.04	0.007	0.03	<0.1	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2

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		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
70150N 81550E	Soil		0.7	14.5	5.9	40	<0.1	11.0	6.0	234	1.96	5.9	0.3	1.0	0.9	15	<0.1	0.5	<0.1	44	0.16	0.055
70200N 80800E	Soil		1.1	18.8	8.0	44	0.2	8.6	7.3	849	2.32	7.7	0.3	1.1	0.4	20	0.2	0.6	<0.1	52	0.29	0.058
70200N 80825E	Soil		0.7	9.6	5.3	36	<0.1	9.0	5.3	261	2.11	6.1	0.2	<0.5	0.8	13	<0.1	0.5	<0.1	47	0.18	0.025
70200N 80850E	Soil		0.7	10.0	6.7	50	<0.1	9.1	6.4	509	2.27	6.9	0.3	1.1	0.7	14	0.2	0.6	<0.1	48	0.20	0.051
70200N 80875E	Soil		1.0	17.9	8.2	65	<0.1	11.5	8.5	498	2.63	10.1	0.3	1.2	0.7	17	0.2	0.9	<0.1	53	0.27	0.098
70200N 80900E	Soil		1.1	31.9	8.7	67	<0.1	15.8	9.6	618	2.90	12.8	0.3	4.8	0.7	24	0.2	0.9	<0.1	56	0.39	0.084
70200N 80925E	Soil		1.6	28.6	8.9	75	<0.1	17.7	11.0	1028	3.02	13.0	0.6	17.3	1.1	46	0.4	1.0	<0.1	58	0.57	0.077
70200N 80950E	Soil		1.0	18.7	7.9	72	<0.1	17.0	10.2	660	3.00	10.7	0.6	1.2	1.2	36	0.3	1.0	<0.1	61	0.41	0.085
70200N 80975E	Soil		1.7	22.1	8.7	75	<0.1	16.2	11.0	741	3.19	12.9	0.6	<0.5	1.5	33	0.2	0.9	0.1	60	0.28	0.087
70200N 81000E	Soil		0.8	21.3	8.9	78	0.1	13.9	9.9	1038	2.92	9.6	0.4	1.3	1.0	30	0.7	0.9	<0.1	58	0.34	0.077
70200N 81025E	Soil		1.0	14.4	7.4	56	<0.1	12.7	7.0	336	2.55	8.5	0.3	1.5	1.0	26	0.2	0.7	<0.1	54	0.26	0.055
70200N 81050E	Soil		0.8	19.0	7.5	64	<0.1	11.1	7.4	811	2.79	10.3	0.4	8.0	1.0	24	0.2	1.0	<0.1	60	0.26	0.084
70200N 81075E	Soil		0.8	19.1	7.9	64	<0.1	13.6	8.4	442	3.02	11.7	0.4	6.5	1.1	20	0.2	1.0	<0.1	63	0.26	0.098
70200N 81100E	Soil		0.7	26.7	8.9	65	<0.1	17.3	9.9	558	3.00	13.0	0.5	1.3	1.5	33	0.2	1.2	<0.1	59	0.39	0.071
70200N 81125E	Soil		0.8	28.1	8.3	59	<0.1	12.2	8.2	496	2.94	12.9	0.4	2.5	1.2	27	0.2	1.3	<0.1	62	0.34	0.075
70200N 81150E	Soil		0.8	31.3	7.8	61	<0.1	9.8	7.0	339	2.86	9.8	0.3	<0.5	0.7	19	0.1	0.9	<0.1	61	0.20	0.120
70200N 81175E	Soil		0.9	11.6	8.0	71	<0.1	8.9	7.4	1176	2.64	7.3	0.3	1.1	0.7	22	0.2	0.7	0.1	61	0.19	0.134
70200N 81200E	Soil		0.8	14.3	8.0	65	0.2	10.3	7.0	341	2.83	9.0	0.4	0.9	0.9	20	0.1	0.8	<0.1	62	0.17	0.124
70200N 81225E	Soil		0.8	18.9	7.0	60	0.1	14.6	8.2	414	2.86	10.6	0.4	2.8	1.2	21	0.1	1.0	<0.1	61	0.18	0.093
70200N 81250E	Soil		0.8	15.7	7.2	58	<0.1	13.0	7.0	340	2.86	9.4	0.4	0.6	1.1	18	0.1	0.9	<0.1	64	0.16	0.099
70200N 81275E	Soil		0.5	12.6	5.4	51	<0.1	11.4	5.6	256	1.95	4.7	0.3	0.5	1.0	18	<0.1	0.5	<0.1	44	0.18	0.065
70200N 81300E	Soil		0.8	18.8	7.2	61	<0.1	15.7	8.5	277	3.03	13.0	0.4	1.2	1.1	17	0.1	1.0	<0.1	65	0.15	0.106
70200N 81325E	Soil		0.8	21.1	6.0	54	0.1	14.2	6.6	236	2.53	9.3	0.3	0.9	0.9	20	<0.1	0.7	<0.1	54	0.19	0.106
70200N 81350E	Soil		0.8	16.0	7.4	65	<0.1	12.7	7.6	382	2.79	10.7	0.4	0.6	1.0	20	<0.1	0.9	<0.1	59	0.18	0.111
70200N 81375E	Soil		0.9	16.4	7.3	77	0.1	16.0	8.9	346	3.25	13.6	0.3	1.6	1.0	14	0.2	1.0	<0.1	65	0.16	0.130
70200N 81400E	Soil		0.6	9.5	5.5	40	0.1	7.5	3.8	154	1.63	3.7	0.3	<0.5	0.7	16	<0.1	0.4	<0.1	41	0.13	0.032
70200N 81425E	Soil		0.5	9.1	6.0	43	0.1	7.2	4.1	173	1.63	3.4	0.3	2.3	0.7	18	<0.1	0.4	<0.1	43	0.18	0.044
70200N 81450E	Soil		0.9	17.2	6.3	64	<0.1	11.3	7.0	393	2.79	8.0	0.4	6.6	0.9	18	0.1	0.8	<0.1	63	0.21	0.077
70200N 81475E	Soil		1.0	12.5	9.7	52	0.1	7.0	6.4	591	2.82	8.3	0.3	<0.5	0.6	17	0.2	1.0	0.1	65	0.13	0.085
70200N 81500E	Soil		0.8	14.6	7.8	61	0.1	10.9	6.5	335	2.89	10.1	0.3	5.1	1.0	19	<0.1	0.9	0.1	65	0.18	0.149

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	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
70150N 81550E	Soil	5	13	0.25	105	0.034	1	1.15	0.007	0.03	<0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
70200N 80800E	Soil	5	14	0.20	169	0.038	2	0.85	0.006	0.06	<0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
70200N 80825E	Soil	4	11	0.24	132	0.039	1	0.86	0.008	0.03	<0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
70200N 80850E	Soil	4	13	0.22	136	0.034	1	0.86	0.009	0.04	<0.1	0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
70200N 80875E	Soil	5	15	0.30	108	0.042	2	0.94	0.013	0.07	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
70200N 80900E	Soil	7	17	0.36	133	0.028	2	1.07	0.010	0.06	0.1	0.05	3.9	<0.1	<0.05	3	<0.5	<0.2
70200N 80925E	Soil	9	20	0.46	191	0.043	2	1.21	0.016	0.07	<0.1	0.06	4.6	<0.1	<0.05	4	<0.5	<0.2
70200N 80950E	Soil	9	19	0.45	159	0.051	2	1.06	0.015	0.05	<0.1	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
70200N 80975E	Soil	8	20	0.45	175	0.041	2	1.51	0.012	0.04	<0.1	0.05	4.2	<0.1	<0.05	4	<0.5	<0.2
70200N 81000E	Soil	8	17	0.32	247	0.038	2	1.20	0.013	0.07	<0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
70200N 81025E	Soil	6	16	0.30	165	0.043	2	1.15	0.011	0.06	<0.1	0.02	3.3	<0.1	<0.05	4	<0.5	<0.2
70200N 81050E	Soil	6	15	0.31	111	0.061	1	0.89	0.017	0.06	<0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
70200N 81075E	Soil	6	16	0.32	142	0.052	2	1.17	0.013	0.06	0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
70200N 81100E	Soil	10	17	0.38	172	0.054	2	1.17	0.017	0.07	0.1	0.05	5.3	<0.1	<0.05	3	<0.5	<0.2
70200N 81125E	Soil	8	15	0.32	125	0.062	1	1.00	0.013	0.05	<0.1	0.03	4.2	<0.1	<0.05	3	<0.5	<0.2
70200N 81150E	Soil	5	15	0.21	117	0.036	2	1.21	0.008	0.04	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
70200N 81175E	Soil	6	14	0.19	140	0.048	2	1.03	0.009	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
70200N 81200E	Soil	6	17	0.25	116	0.050	2	1.17	0.011	0.04	<0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
70200N 81225E	Soil	8	19	0.29	115	0.052	1	1.37	0.010	0.04	<0.1	0.05	3.4	<0.1	<0.05	4	<0.5	<0.2
70200N 81250E	Soil	6	17	0.28	124	0.053	2	1.28	0.009	0.03	<0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
70200N 81275E	Soil	6	14	0.27	121	0.047	1	1.29	0.009	0.03	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
70200N 81300E	Soil	6	20	0.33	118	0.054	2	1.50	0.009	0.03	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
70200N 81325E	Soil	6	18	0.31	105	0.050	2	1.43	0.008	0.04	<0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
70200N 81350E	Soil	6	16	0.27	104	0.052	2	1.28	0.011	0.04	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
70200N 81375E	Soil	5	18	0.30	100	0.054	2	1.49	0.013	0.04	<0.1	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
70200N 81400E	Soil	5	12	0.20	114	0.040	<1	0.99	0.010	0.03	<0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
70200N 81425E	Soil	6	12	0.25	94	0.051	<1	0.95	0.010	0.04	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
70200N 81450E	Soil	6	16	0.34	111	0.058	2	1.28	0.010	0.04	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
70200N 81475E	Soil	5	15	0.17	93	0.043	2	0.79	0.008	0.03	<0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
70200N 81500E	Soil	5	15	0.27	133	0.035	2	1.13	0.009	0.03	<0.1	0.04	2.6	<0.1	0.10	4	<0.5	0.3

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		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
70200N 81525E	Soil		0.8	16.9	7.9	63	0.1	8.6	6.3	385	2.89	9.2	0.3	4.3	1.0	12	0.1	0.9	0.1	67	0.13	0.121
70200N 81550E	Soil		0.8	20.6	7.4	54	0.1	14.8	7.8	639	2.81	10.0	0.3	1.6	1.0	17	<0.1	0.9	0.1	61	0.17	0.068

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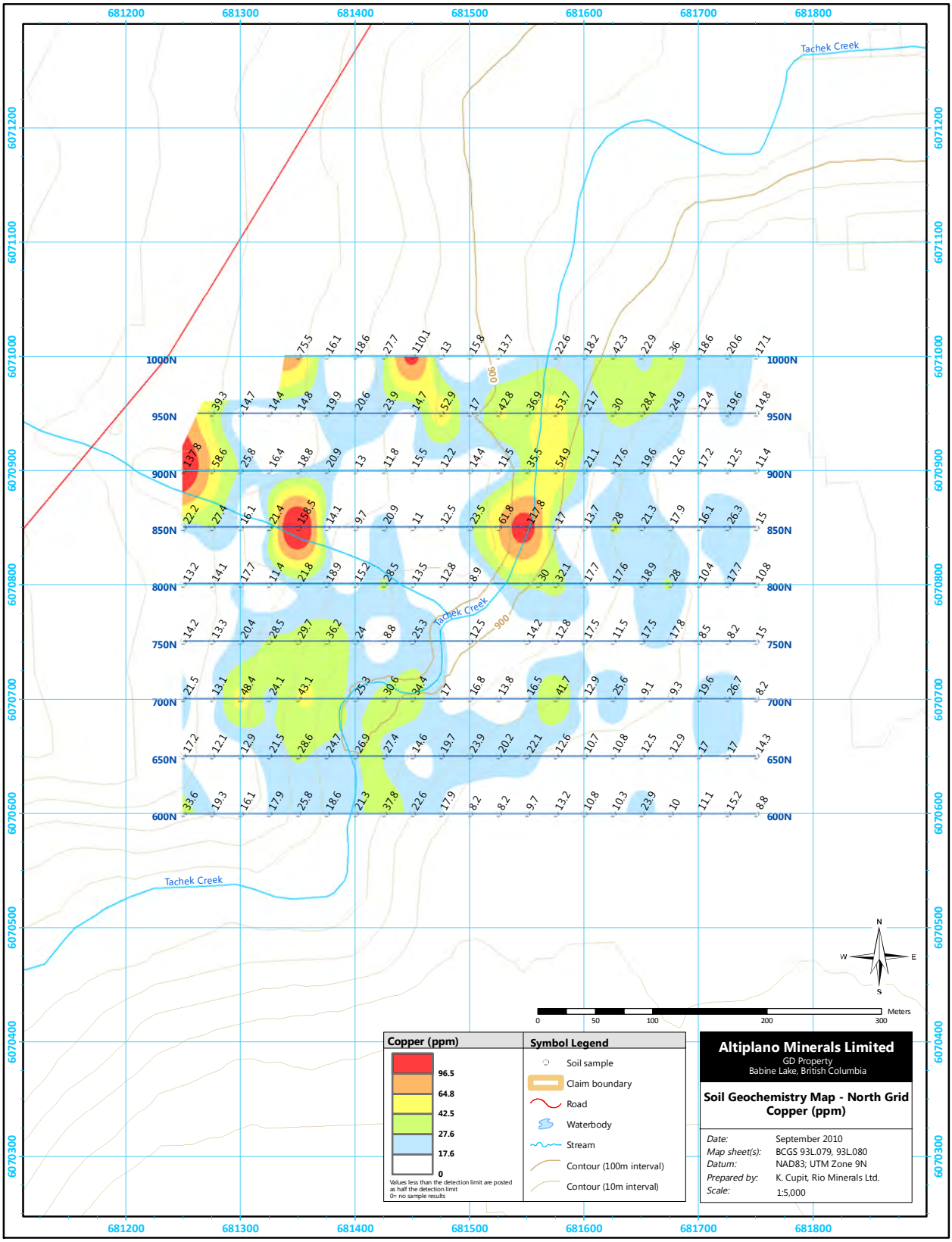
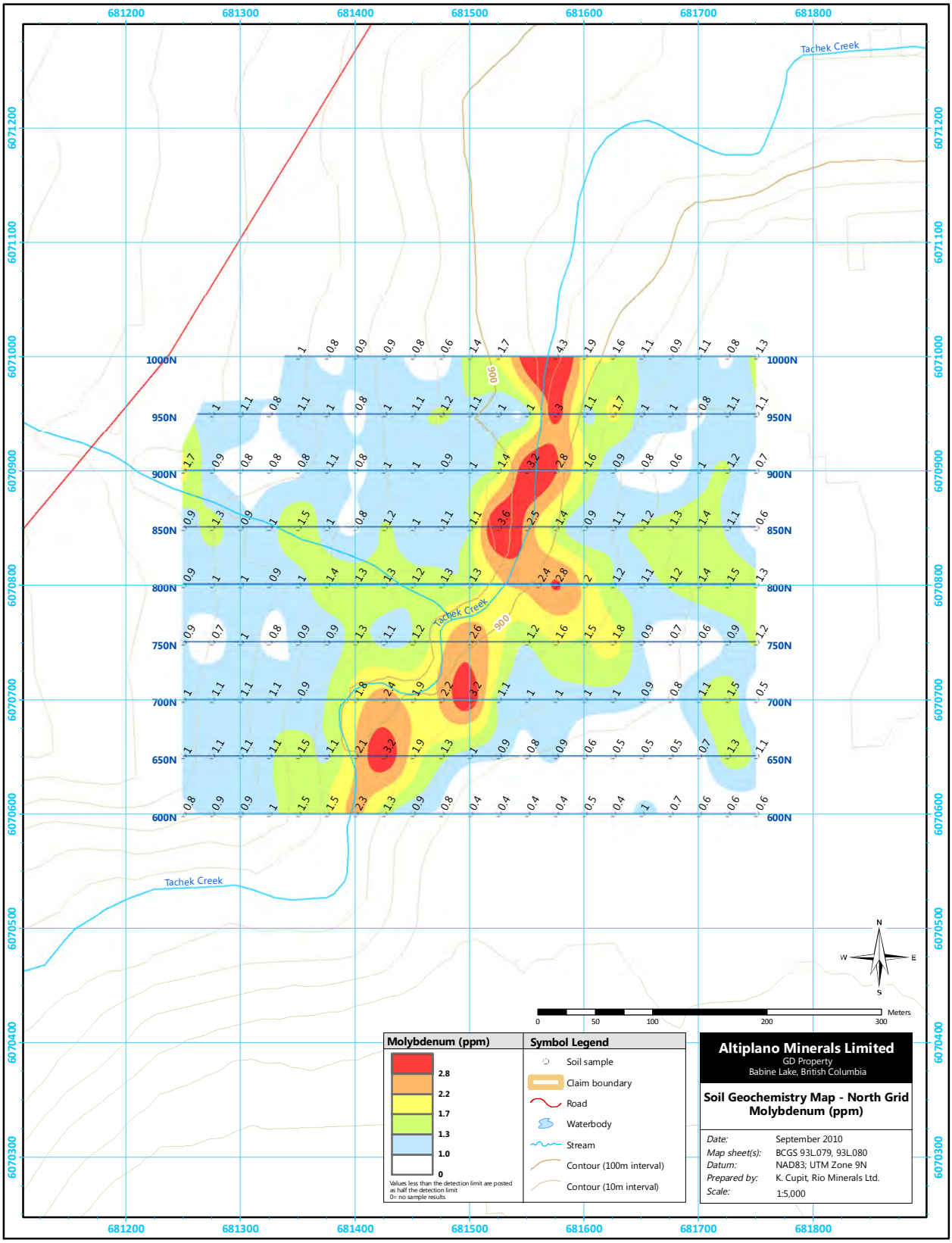
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
70200N 81525E	Soil	6	17	0.23	98	0.034	<1	1.05	0.010	0.03	<0.1	0.04	2.8	<0.1	0.07	4	<0.5	<0.2
70200N 81550E	Soil	5	17	0.34	146	0.041	1	1.28	0.010	0.03	<0.1	0.03	2.8	<0.1	0.07	4	<0.5	0.3

APPENDIX D

Soil Geochemistry Maps and Assays (Cu, Mo and Au: North and South Grids)


681200
681300
681400
681500
681600
681700
681800
6071200
6071100
6071000
6070900
6070800
6070700
6070600
6070500
6070400
6070300
1000N
950N
900N
850N
800N
750N
700N
650N
600N
Tachek Creek
900
N
S
E
W
0
50
100
200
300
Meters
Copper (ppm)
96.5
64.8
42.5
27.6
17.6
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - North Grid
Copper (ppm)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000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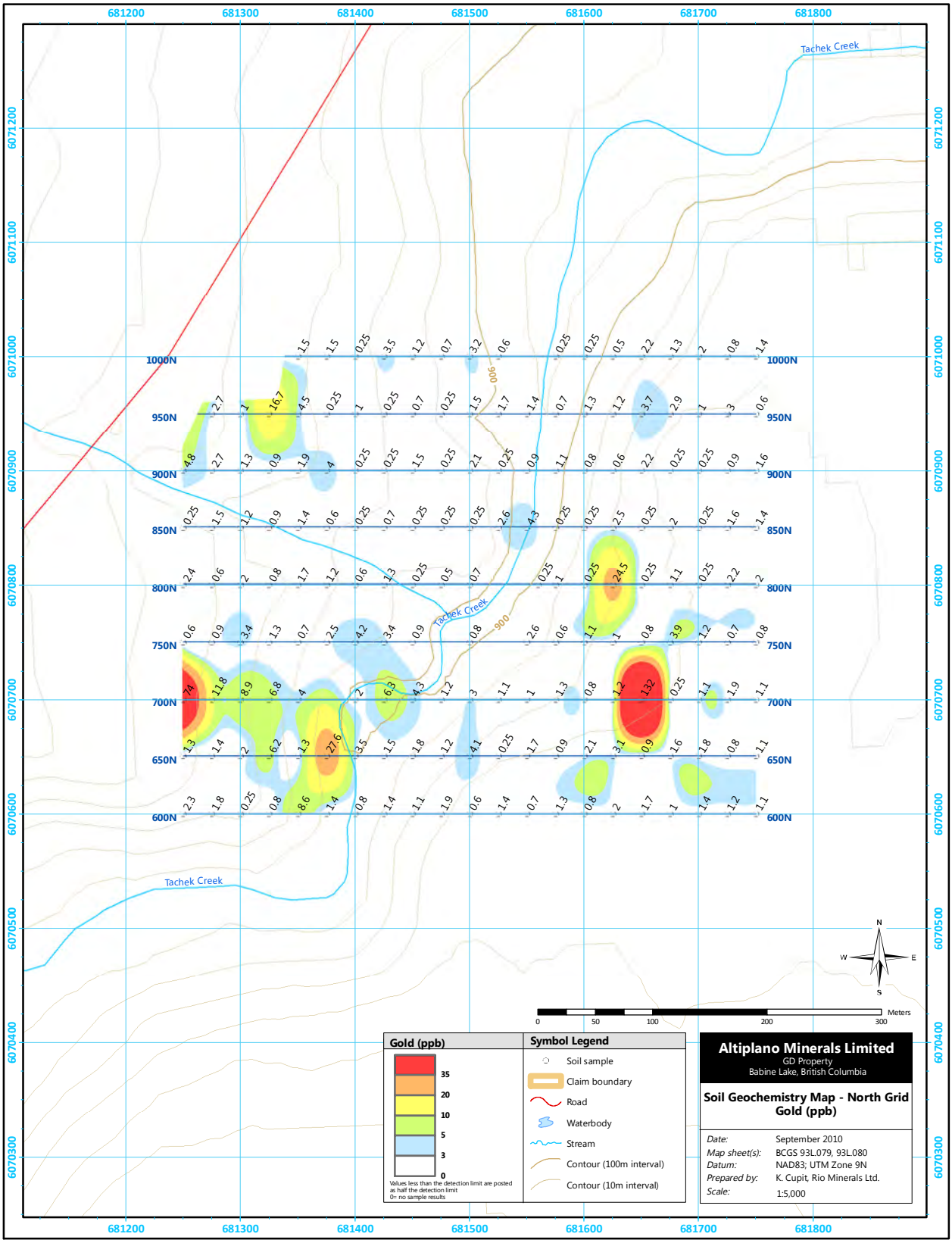
6070500
6070400
6070300
1000N
950N
900N
850N
800N
750N
700N
650N
600N
Tachek Creek
900
N
W
E
S
0
50
100
200
300
Meters
Molybdenum (ppm)
2.8
2.2
1.7
1.3
1.0
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - North Grid
Molybdenum (ppm)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000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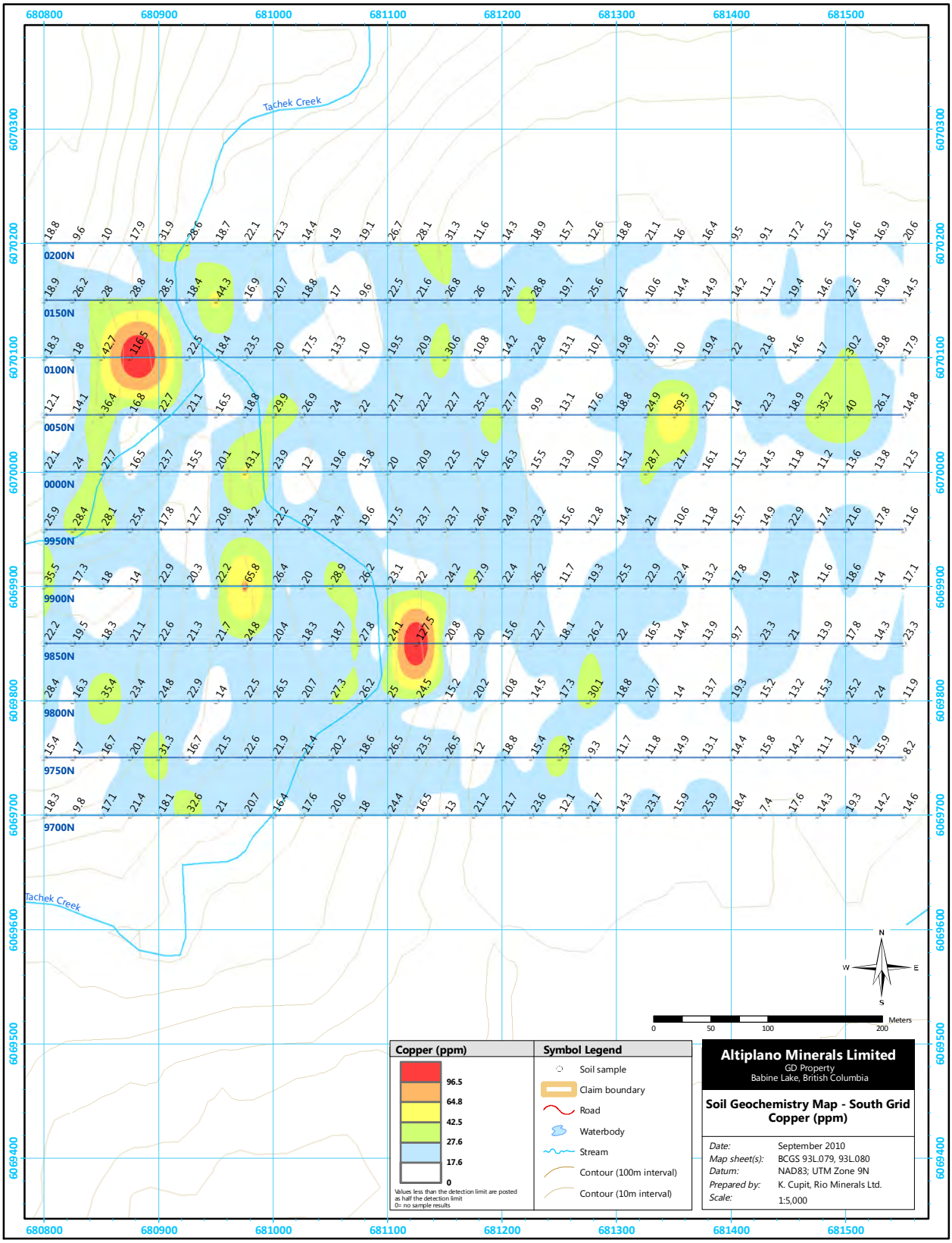
Tachek Creek
1000N
950N
900N
850N
800N
750N
700N
650N
600N
N
W
E
S
0
50
100
200
300
Meters
Gold (ppb)
35
20
10
5
3
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - North Grid
Gold (ppb)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000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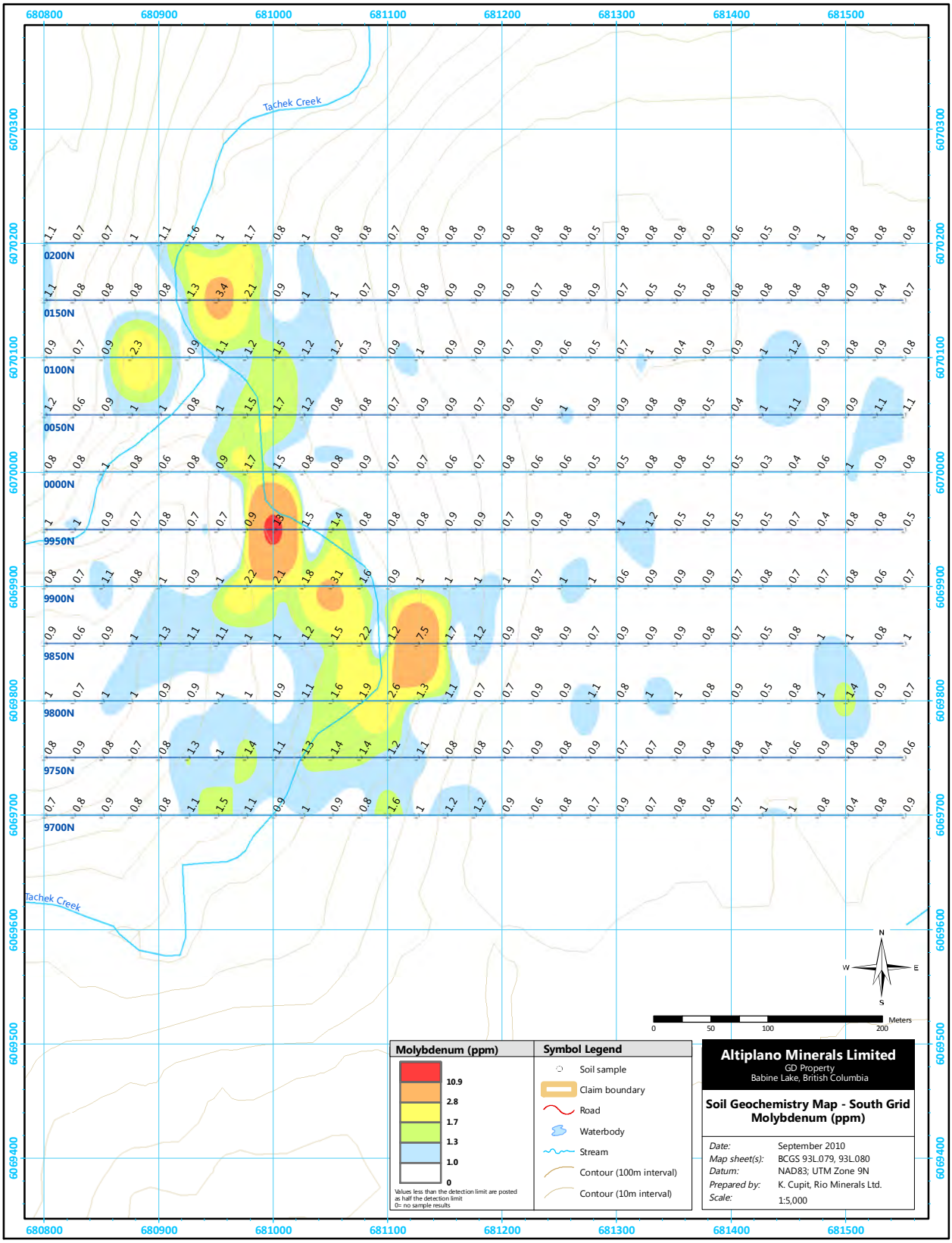
6069400
Tachek Creek
Tachek Creek
0200N
0150N
0100N
0050N
0000N
9950N
9900N
9850N
9800N
9750N
9700N
N
W
E
S
0
50
100
200
Meters
Copper (ppm)
96.5
64.8
42.5
27.6
17.6
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - South Grid
Copper (ppm)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000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Tachek Creek
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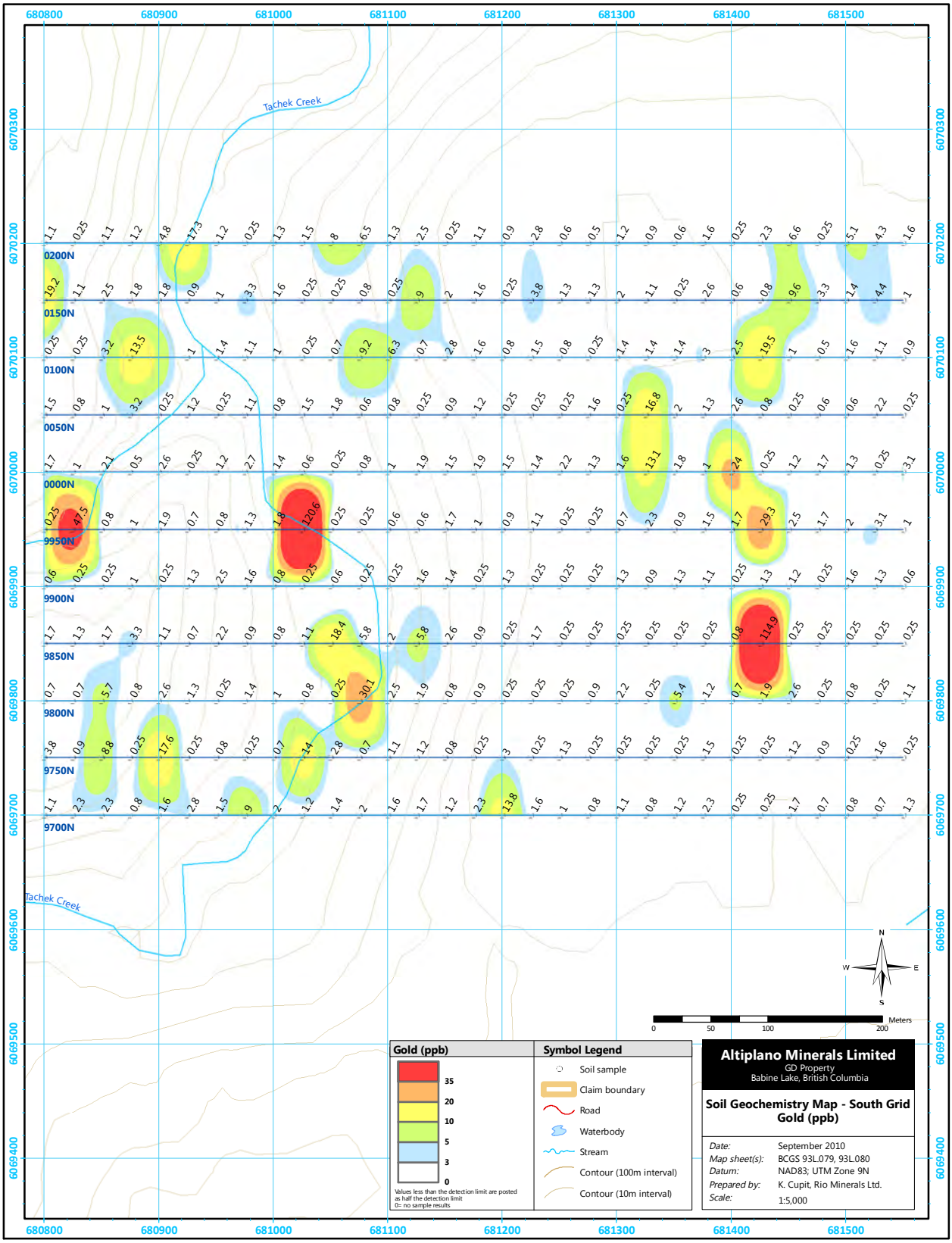
0050N
0000N
9950N
9900N
9850N
9800N
9750N
9700N
N
W
E
S
0
50
100
200
Meters
Molybdenum (ppm)
10.9
2.8
1.7
1.3
1.0
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - South Grid
Molybdenum (ppm)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000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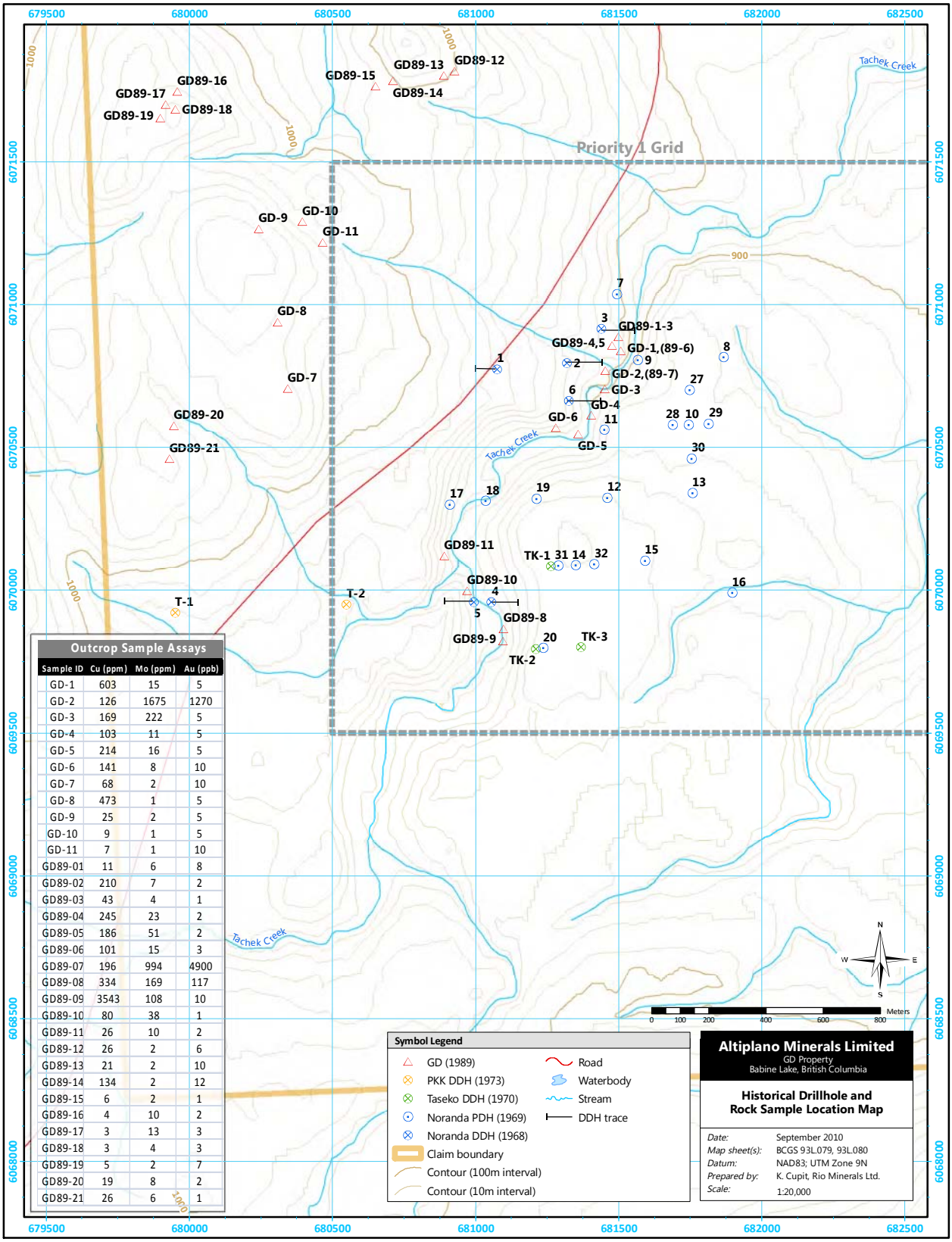
6069400
Tachek Creek
0200N
0150N
0100N
0050N
0000N
9950N
9900N
9850N
9800N
9750N
9700N
N
W
E
S
0
50
100
200
Meters
Gold (ppb)
35
20
10
5
3
0
Values less than the detection limit are posted as half the detection limit
0= no sample results
Symbol Legend
Soil sample
Claim boundary
Road
Waterbody
Stream
Contour (100m interval)
Contour (10m interval)
Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia
Soil Geochemistry Map - South Grid
Gold (ppb)
Date: September 2010
Map sheet(s): BCGS 93L.079, 93L.080
Datum: NAD83; UTM Zone 9N
Prepared by: K. Cupit, Rio Minerals Ltd.
Scale: 1:5,000

APPENDIX E

Historical Compilation (DDH and PDH and Rock Samples with Assays)



Outcrop Sample Assays

Sample ID	Cu (ppm)	Mo (ppm)	Au (ppb)
GD-1	603	15	5
GD-2	126	1675	1270
GD-3	169	222	5
GD-4	103	11	5
GD-5	214	16	5
GD-6	141	8	10
GD-7	68	2	10
GD-8	473	1	5
GD-9	25	2	5
GD-10	9	1	5
GD-11	7	1	10
GD89-01	11	6	8
GD89-02	210	7	2
GD89-03	43	4	1
GD89-04	245	23	2
GD89-05	186	51	2
GD89-06	101	15	3
GD89-07	196	994	4900
GD89-08	334	169	117
GD89-09	3543	108	10
GD89-10	80	38	1
GD89-11	26	10	2
GD89-12	26	2	6
GD89-13	21	2	10
GD89-14	134	2	12
GD89-15	6	2	1
GD89-16	4	10	2
GD89-17	3	13	3
GD89-18	3	4	3
GD89-19	5	2	7
GD89-20	19	8	2
GD89-21	26	6	1

Symbol Legend

- GD (1989)
- PKK DDH (1973)
- Taseko DDH (1970)
- Noranda PDH (1969)
- Noranda DDH (1968)
- Claim boundary
- Contour (100m interval)
- Contour (10m interval)
- Road
- Waterbody
- Stream
- DDH trace

Altiplano Minerals Limited
GD Property
Babine Lake, British Columbia

Historical Drillhole and Rock Sample Location Map

Date:	September 2010
Map sheet(s):	BCGS 93L.079, 93L.080
Datum:	NAD83; UTM Zone 9N
Prepared by:	K. Cupit, Rio Minerals Ltd.
Scale:	1:20,000

APPENDIX F
Historical Assays

Noranda 1969 Percussion Drill Holes

Hole No.	Sample No.	Interval(m)	Cu(ppm)	Mo(ppm)	Ag(ppm)	Au(ppb)
9	60455	6.1-9.1	48	1	1.8	6
	60456	9.1-12.2	1124	57	1.4	2
	60457	21.3-24.4	1157	179	1.5	2
10	60458	36.6-39.6	2581	51	1.9	5
12	60459	42.7-45.7	263	36	1.0	1
16	60460	30.5-33.5	31	1	0.8	1
19	60461	61.0-64.0	303	73	1.4	2
20	60462	42.7-45.7	72	7	1.2	2
	60463	54.9-57.9	71	14	0.9	1
27	60464	30.5-33.5	512	9	0.6	3
28	60465	36.6-39.6	67	2	0.8	2
	60466	48.8-51.8	88	6	1.2	2
	60467	54.9-57.9	67	45	0.4	1
29	60468	36.6-39.6	93	7	1.1	2
	60469	73.2-76.2	1679	127	2.9	99
30	60470	24.4-27.4	375	13	1.3	20
	60471	39.6-42.7	23	2	1.2	2
31	60472	21.3-24.4	21	2	1.3	1
	60473	51.8-54.9	966	11	1.6	4
32	60474	27.4-30.5	2016	415	2.7	46
	60475	45.7-48.8	2497	95	2.9	15
	60476	48.8-51.8	1083	190	3.3	4
	60477	54.9-57.9	475	33	1.6	2
	60478	57.9-61.0	459	44	1.4	3

Noranda 1968 Diamond Drill Holes

Hole No.	Sample No.	Interval(m)	Cu(%)	Mo(%)	Ag(g/t)	Au(g/t)
2	60423	91.4-97.5	0.06	0.01	tr	0.08
	60424	97.5-103.6	0.09	0.01	tr	0.09
	60425	103.6-109.7	0.063	0.02	2	0.06
	60426	146.3-152.4	0.166	0.01	2	0.06
	60427	152.4-158.5	0.146	0.01	3	0.05
	60428	158.5-164.6	0.235	0.01	3	0.04
	60429	164.6-170.7	0.123	0.02	2	0.03
	60430	170.7-176.8	0.132	0.03	2	0.05
			(ppm)	(ppm)	(ppm)	(ppb)
	60451 (reject)	79.2-82.3	278	21	0.9	2
	60452 (reject)	134.1-137.2	170	159	0.4	5
3	60431	94.5-100.6	0.076	0.01	2	0.02
	60432	100.6-106.7	0.109	0.01	2	0.02
	60433	106.7-112.8	0.087	tr	3	0.02
	60434	112.8-118.9	0.110	0.01	4	0.02
	60435	118.9-128.0	0.169	0.01	4	0.02
			(ppm)	(ppm)	(ppm)	(ppb)
	60453 (reject)	164.6-167.6	149	50	0.9	1
4	60436	134.1-140.2	0.143	0.01	5	0.11
	60437	140.2-146.3	0.195	0.02	4	0.16
6	60438	125.0-131.1	0.007	ND	3	0.02
	60439	131.1-137.2	tr	ND	3	0.03
	60440	137.2-143.3	0.018	ND	3	0.02
			(ppm)	(ppm)	(ppm)	(ppb)
	60454 (reject)	167.6-170.7	209	3	0.7	2

Taseko 1970 Diamond Drill Holes

Hole No.	Sample No.	Interval(m)	Cu(%)	Mo(%)	Ag(g/t)	Au(g/t)
TK-1	60401	22.9-24.4	0.07	0.01	5	0.05
	60402	24.4-30.5	0.10	0.02	tr	0.14
	60403	30.5-36.6	0.08	0.02	tr	0.08
	60404	36.6-42.7	0.05	0.02	tr	0.05
	60405	42.7-48.8	0.08	0.02	tr	0.07
	60406	48.8-54.9	0.05	0.02	tr	0.05
	60407	54.9-61.0	0.11	0.02	tr	0.10
	60408	61.0-67.1	0.10	0.01	tr	0.13
	60409	67.1-73.2	0.04	0.01	tr	0.05
	60410	73.2-79.3	0.01	0.02	tr	0.05
TK-2	60411	45.7-54.9	0.23	tr	tr	0.05
	60412	54.9-61.0	0.04	0.01	tr	0.04
	60413	61.0-66.1	0.05	0.01	tr	0.03
	60414	72.2-77.4	0.09	0.01	tr	0.05
	60415	77.4-82.3	0.01	0.01	tr	0.17
	60416	82.3-87.8	0.01	0.01	tr	0.07
	60417	87.8-91.4	0.08	0.01	tr	0.08
	60418	91.4-95.7	0.17	0.01	tr	0.03
	60419	95.7-101.5	0.16	0.01	tr	0.08
TK-3	60420	56.4-62.5	0.02	tr	tr	0.06
	60421	62.5-67.1	0.03	0.01	tr	0.07
	60422	82.9-86.9	0.02	ND	tr	0.07

COMP: NICK CARTER
PROJ: GOLD DUST PROPERTY
ATTN: NICK CARTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0220-RJ1
DATE: SEP-19-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
GD8901	2.4	24720	1	1	41	1.3	14	16500	.1	42	11	57040	2180	17	25740	446	6	590	8	1090	36	2	90	2	1	196.8	57	2	3	2	14	8
GD8902	1.3	11210	16	1	189	1.1	8	6770	.1	21	210	44940	3150	6	11230	199	7	770	5	770	21	1	37	2	1	79.0	26	2	2	1	66	2
GD8903	1.1	12170	16	1	228	.9	7	7770	.6	15	43	30520	2920	6	11780	227	4	1000	6	800	18	1	29	2	1	83.5	32	2	2	1	82	1
GD8904	.8	9230	30	1	36	1.2	5	5460	.5	17	245	40220	780	7	10570	145	23	860	4	790	24	1	22	1	1	65.1	27	2	2	1	75	2
GD8905	.6	14600	11	1	172	1.0	5	5740	.1	15	186	30880	4240	8	11910	282	51	720	8	770	21	1	36	1	1	72.0	48	2	1	1	85	2
GD8906	1.2	8830	20	1	53	.9	7	7980	1.0	12	101	27380	1220	6	8370	188	15	610	6	690	21	1	28	3	1	80.7	81	2	1	1	78	3
GD8907	2.2	8400	27	9	33	.7	10	10080	.8	22	196	28930	950	6	7570	260	994	680	5	940	88	1	15	1	1	54.3	32	2	1	1	79	4900
GD8908	2.0	9470	16	1	67	.6	5	2640	.1	7	334	28580	1780	5	8710	139	169	630	3	690	20	1	61	1	1	52.3	42	2	1	1	90	117
GD8909	1.3	18120	9	1	24	1.3	3	8620	1.8	18	3543	27220	760	6	14600	452	108	430	17	680	29	2	57	1	1	65.7	72	2	1	2	99	10
GD8910	.3	17660	1	1	24	.9	4	12510	.9	12	80	27330	700	5	11880	431	38	400	7	730	19	1	99	1	2	51.9	60	2	1	1	94	1
GD8911	1.4	17810	1	1	28	1.0	9	15490	1.5	17	26	24250	620	5	14470	449	10	370	10	750	28	1	100	3	2	62.2	49	2	2	3	106	2

COMP: N.C.CARTER
PROJ: GOLD DUST PROPERTY
ATTN: N.C.CARTER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 9S-0227-RJ1
DATE: SEP-19-89
* TYPE ROCK GEOCHEM * (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM	AU PPB
GD-89-12	.2	1970	16	1	16	.1	1	4200	.6	2	26	4920	550	1	560	130	2	60	5	140	4	1	8	1	1	8.5	14	1	1	2	269	6
GD-89-13	.3	3150	5	1	55	.9	1	1580	.1	4	21	29520	1040	1	1500	193	2	710	1	210	9	1	4	1	1	58.0	57	1	1	1	73	10
GD-89-14	.2	400	18	1	9	.1	1	630	.1	2	134	5270	190	1	360	75	2	70	5	30	4	1	1	1	1	2.5	9	1	1	2	364	12
GD-89-15	1.4	6610	23	1	62	.5	8	6310	.1	11	6	32800	4420	3	4030	404	2	590	1	1070	16	1	4	1	1	18.6	72	1	2	1	92	1
GD-89-16	1.9	1850	14	1	14	.6	6	175340	5.2	4	4	5070	420	2	38770	138	10	40	13	350	57	4	1	1	1	11.4	19	1	1	2	54	2
GD-89-17	2.2	570	1	1	25	.8	8	167860	7.5	4	3	3400	230	1	69110	182	13	50	17	370	78	11	1	1	1	15.9	19	1	1	2	39	3
GD-89-18	.9	190	29	1	6	.1	2	42780	2.1	2	3	2120	50	1	10190	55	4	10	7	90	19	1	1	1	1	4.6	6	1	1	2	183	3
GD-89-19	.9	4830	17	1	20	.2	1	57850	.5	4	5	8500	650	7	3330	104	2	60	9	260	6	1	13	1	1	10.6	26	1	1	1	89	7
GD-89-20	2.6	25450	1	1	20	1.0	18	13960	1.6	44	19	48500	150	14	31710	687	8	340	68	1760	44	1	13	1	1	131.3	84	1	3	3	139	2
GD-89-21	3.2	26370	1	1	35	1.1	22	17200	2.0	45	26	48650	550	15	31050	1033	6	470	72	1730	45	1	19	1	1	154.3	94	1	4	3	132	1

APPENDIX I

COMPANY: NICK CARTER — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 3
PROJECT NO: — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 7-1581
ATTENTION: NICK CARTER — (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:OCT 15, 1987

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE	K
GD-1	1.6	15640	4	16	116	1.3	17	10010	1.6	5	603	38520	2420
GD-2	1.7	11950	10	43	82	1.2	13	9430	1.5	12	126	40240	1670
GD-3	1.5	14430	3	17	109	1.3	13	7130	.5	12	169	38740	1630
GD-4	3.4	49550	35	44	96	2.0	19	35050	3.0	22	103	61850	900
GD-5	1.1	10840	1	8	97	.6	14	10170	.4	4	214	18570	1350
GD-6	2.2	24830	18	19	316	1.4	25	13020	1.5	8	141	42660	5120
GD-7	2.2	21210	9	16	44	.9	24	17640	2.0	13	68	27320	420
GD-8	1.1	10220	14	7	232	.4	15	11780	.8	7	473	14600	210
GD-9	.3	3500	23	2	19	.3	2	9120	1.0	3	25	8130	140
GD-10	.2	3400	11	4	69	.4	1	590	.1	1	9	11640	1530
GD-11	.3	3250	23	1	79	.3	1	1070	.1	1	7	9730	1160

(VALUES IN PPM)	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	U	V
GD-1	12	11860	251	15	1070	3	600	91	3	78	1	1	70.3
GD-2	7	8120	245	1675	1020	1	860	99	3	81	1	3	54.6
GD-3	7	9750	296	222	1020	1	730	54	4	176	1	2	49.3
GD-4	31	32960	760	11	2930	46	770	30	8	262	1	2	146.0
GD-5	3	4760	188	16	1170	3	530	27	2	214	1	3	35.8
GD-6	9	14540	422	8	2310	4	850	30	3	170	1	1	83.5
GD-7	11	16270	659	2	260	27	790	31	4	84	1	3	75.6
GD-8	4	7180	358	1	120	19	200	19	2	38	1	3	27.2
GD-9	2	3660	318	2	70	15	120	34	1	10	1	2	7.9
GD-10	1	870	185	1	130	4	160	13	1	3	1	1	5.0
GD-11	1	1120	303	1	130	6	270	13	1	3	1	1	4.2

(VALUES IN PPM)	ZN	GA	SN	W	ZR	AU-PPB
GD-1	44	2	2	2	117	5
GD-2	40	3	1	2	117	1270
GD-3	51	1	1	2	132	5
GD-4	104	1	3	5	47	5
GD-5	29	1	1	1	136	5
GD-6	51	3	1	3	78	10
GD-7	55	2	1	2	191	10
GD-8	31	1	1	1	261	5
GD-9	17	1	1	1	303	5
GD-10	24	1	1	1	315	5
GD-11	29	1	1	1	360	10