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**ASSESSMENT REPORT**

describing

**PROSPECTING AND HAND TRENCHING**

at the

**PROSPECTOR MOUNTAIN PROPERTY**

|             |                 |
|-------------|-----------------|
| Hayes 1-112 | YB66122-YB66233 |
| 113-130     | YB97178-YB97195 |
| 131-172     | YB97090-YB97131 |
| 173-180     | YB97196-YB97203 |
| 181-226     | YB97132-YB97177 |
| 227-239     | YB97204-YB97216 |

NTS 115I/05

Latitude 62°27'N; Longitude 137°52'W

in the

Whitehorse Mining District,  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**TARSIS RESOURCES LTD.**

by

W.A.Wengzynowski, P.Eng.

March 2010

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## INTRODUCTION

The Prospector Mountain property is situated within the Tintina Gold Belt, west central Yukon and covers a combine copper-gold porphyry and silver-lead-gold lode target. Tarsis Resources Ltd. owns the property 100%.

This report describes prospecting, hand trenching and soil sampling across porphyry and lode targets within the eastern and western parts of the property, respectively. All work was conducted from tent camps at various locations on the property. The program was completed at intermittent times between July 13 and August 22, 2010. Exploration was funded by Tarsis and managed by Archer, Cathro & Associates (1981) Limited. The author participated in and/or supervised the work program. The author's Statement of Qualifications appears in Appendix I.

### PROPERTY LOCATION, CLAIM DATA AND ACCESS

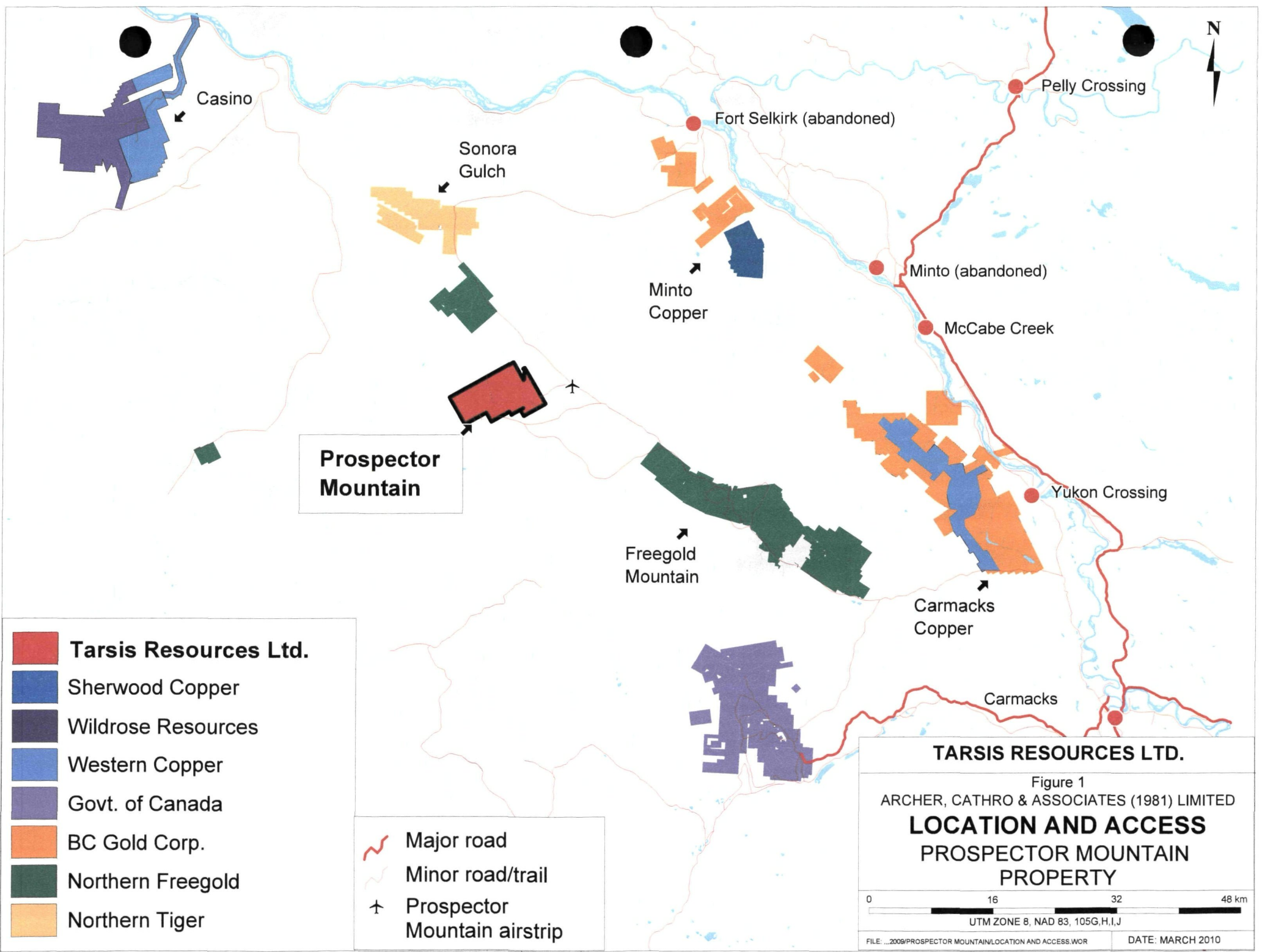
The Prospector Mountain property consists of 239 contiguous mineral claims located in west-central Yukon on NTS map sheets 115I/05 at latitude 62°26'N and longitude 137°52'W (Figure 1). The claims are registered with the Whitehorse Mining Recorder in the name of Tarsis Resources Ltd. The locations of individual claims are shown on Figure 2 while claim registration data are listed below.

| <u>Claim Name</u> | <u>Grant Number</u> | <u>Expiry Date *</u> |
|-------------------|---------------------|----------------------|
| Hayes 1-112       | YB66122-YB66233     | April 08, 2013       |
| 113-130           | YB97178-YB97195     | April 08, 2013       |
| 131-172           | YB97090-YB97131     | April 08, 2013       |
| 173-180           | YB97196-YB97203     | April 08, 2013       |
| 181-226           | YB97132-YB97177     | April 08, 2013       |
| 227-239           | YB97204-YB97216     | April 08, 2013       |

\*Expiry dates include 2009 work which has been filed for assessment credit but not yet accepted.

The Prospector Mountain property is located 88 km west-northwest of Carmacks. A network of gravel roads and trails provide access to the property via the Freegold Road which runs west of Carmacks to within 30 km of the property. From there an old bulldozer trail known as the Lilypad road continues to the property. The trail is rugged but can be traversed by All Terrain Vehicle (ATV) and bulldozer, but would require upgrading for 4x4 vehicle use.

In 2009, helicopter support was provided by Heli Dynamics Ltd. from Northern Freegold's base camp.



**Prospector Mountain**

- Tarsis Resources Ltd.**
- Sherwood Copper
- Wildrose Resources
- Western Copper
- Govt. of Canada
- BC Gold Corp.
- Northern Freegold
- Northern Tiger

- Major road
- Minor road/trail
- Prospector Mountain airstrip

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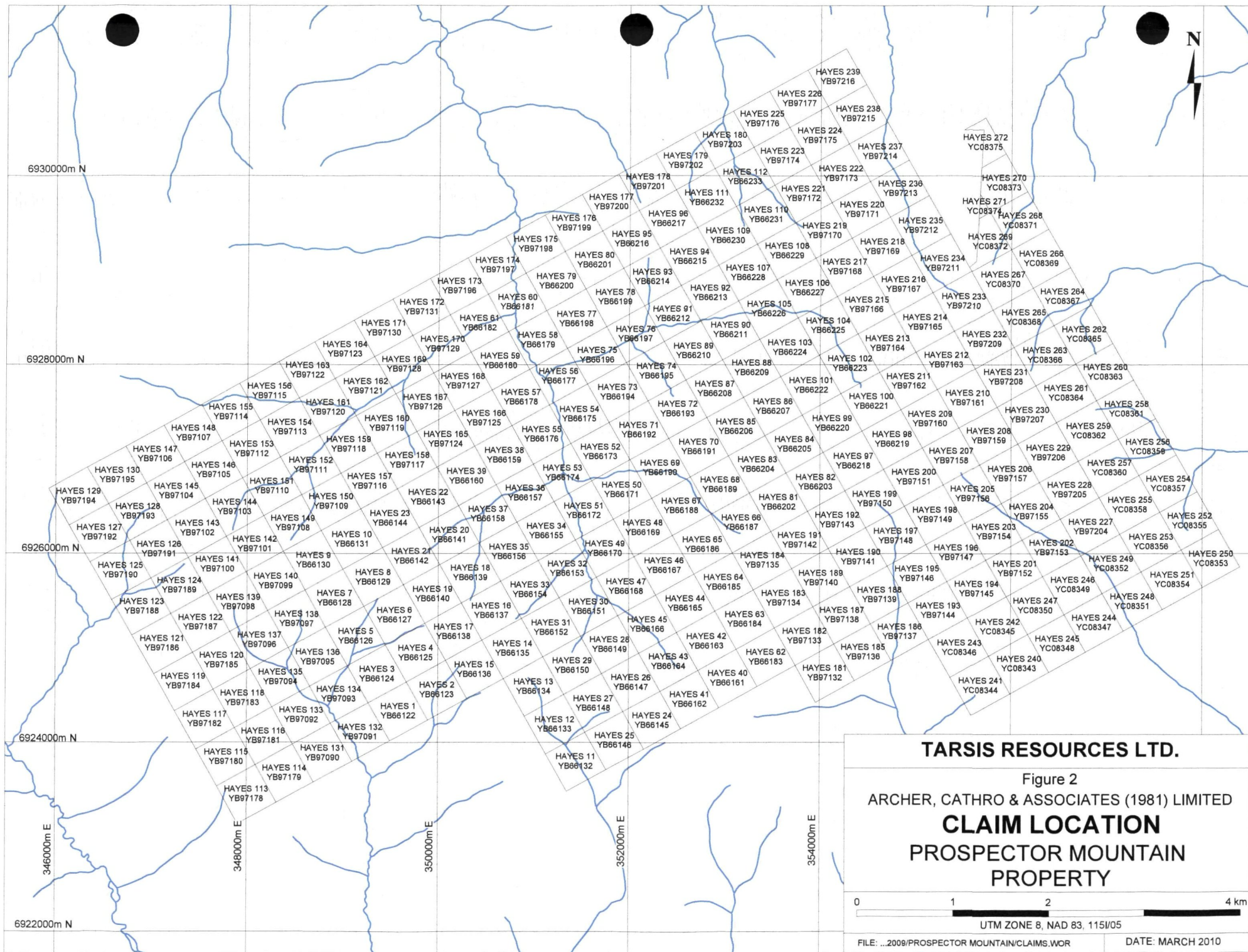
Figure 1  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LOCATION AND ACCESS**  
**PROSPECTOR MOUNTAIN**  
**PROPERTY**

0                      16                      32                      48 km

UTM ZONE 8, NAD 83, 105G,H,I,J

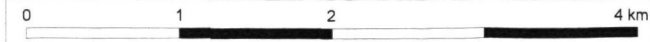
FILE: ...2009/PROSPECTOR MOUNTAIN/LOCATION AND ACCESS.WOR                      DATE: MARCH 2010





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Figure 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATION**  
**PROSPECTOR MOUNTAIN**  
**PROPERTY**



UTM ZONE 8, NAD 83, 1151/05

FILE: ...2009/PROSPECTOR MOUNTAIN/CLAIMS.WOR

DATE: MARCH 2010

## GEOMORPHOLOGY

The property covers Prospector Mountain to the east, the headwaters of Hayes Creek in the centre and Apex Mountain to the west. Elevations on the property range from 1128 m to 1965 m. Most of the property is above treeline and covered by alpine vegetation. Lower slopes are covered by dwarf willow, alder and spruce trees, while north and east facing slopes are generally underlain by permafrost.

The area escaped continental glaciation, but has undergone some alpine glaciation. Because of the lack of glaciation and the effects of permafrost, there is relatively little outcrop. Most outcrop is confined to ridge tops and occasional creek exposures. Ridge tops and slopes are generally covered by felsenmeer and talus.

Carmacks is located at the southern edge of the central Yukon region that tends to experience extremes in temperature. Specific climate information for the Carmacks area is not available. Because of the Yukon's mountainous terrain, weather varies widely in the Territory, even between communities located relatively near each other. Nevertheless, climate information for Faro, 180 km to the east on the Robert Campbell Highway, is probably the best available indicator of the Carmacks climate.

Over the past few decades Faro's typical January weather was a daytime high of minus 17 degrees Celsius, dropping to minus 26 C at night. Temperatures in July and August typically reached a daily maximum of 18 C to 21 C, with night-time temperatures of 6 C to 9 C. Total annual precipitation in Faro over the 1971-to-2000 period averaged 316 mm, with a little more than two-thirds falling as rain and about 110 cm as snow (Yukon Communities, 2010).

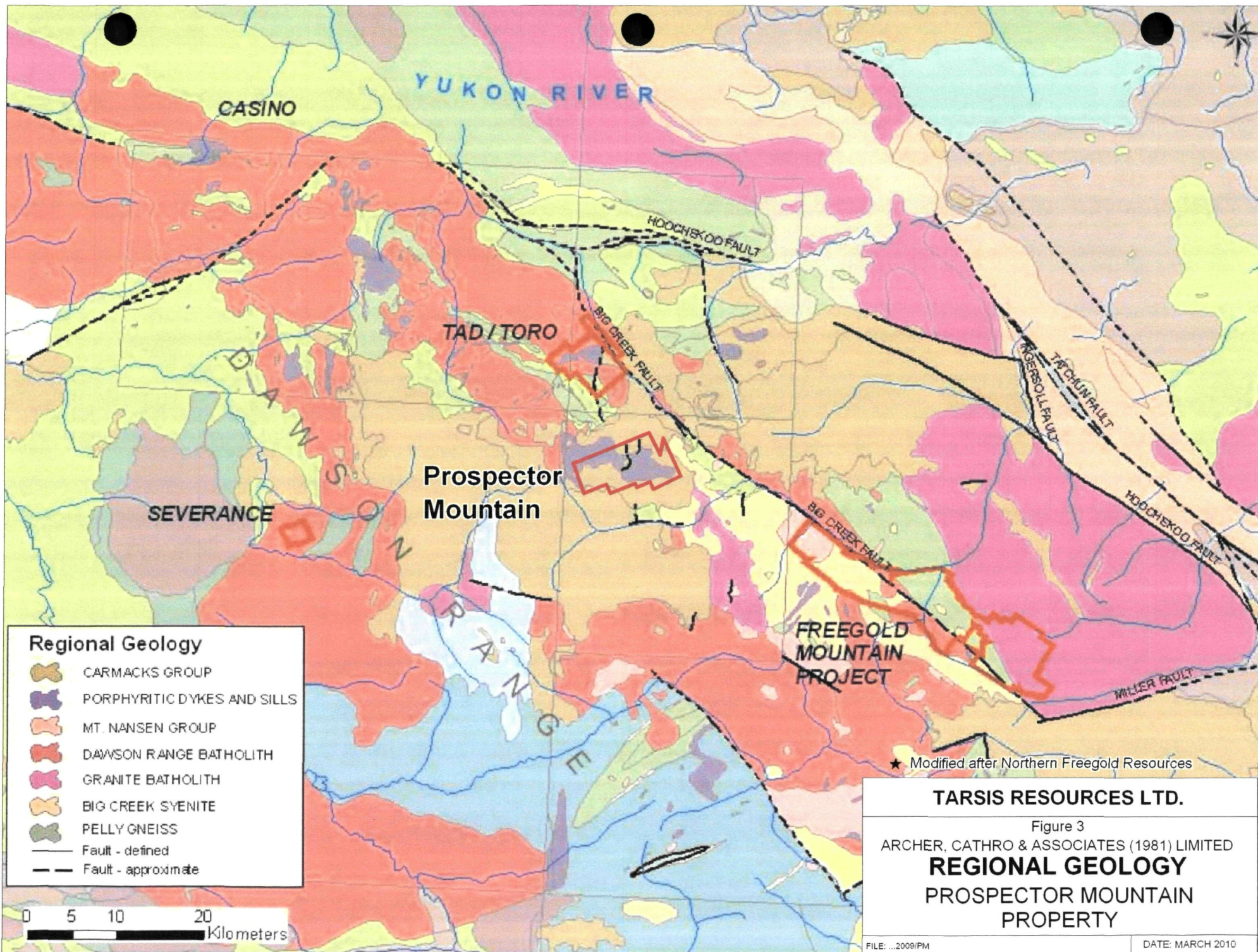
## GEOLOGY

### **Regional Geology**








The property lies within the Dawson Range portion of the Tintina Gold Belt. The oldest rocks in the area comprise metamorphosed Paleozoic rocks of the Yukon Tanana Terrain (Figure 3). They are divided into two distinctive units: The lower metasedimentary unit, comprised of quartzite, schist, meta-greywacke, argillite, slate, conglomerate, re-crystallized limestone and meta-volcanic rocks; and the upper quartz-feldspathic schist unit containing schistose volcanic rocks and gneissic plutonic rocks (Payne, et. Al., 1987).

The Yukon Tanana Terrain has been intruded by batholiths and plutons of three Mesozoic suites. The older two, which show penetrative metamorphic textures, are the Triassic (?) Klotassin Suite (hornblende-biotite granodiorite to diorite) and the Jurassic (?) Big Creek Suite (hornblende monzonite to quartz-bearing monzonite). The third is the un-metamorphosed, Early Cretaceous, Dawson Range Suite (hornblende-biotite-quartz diorite to quartz monzonite). Slightly younger igneous units consist of felsic to intermediate volcanic and subvolcanic rocks of the Mount Nansen Suite. Early Tertiary igneous rocks include extrusive andesite, basalt, and minor rhyodacite of the Carmacks Suite, and the slightly younger monzonite to quartz monzonite of the Prospector Mountain Suite.





**Regional Geology**

-  CARMACKS GROUP
-  PORPHYRITIC DYKES AND SILLS
-  MT. NANSEN GROUP
-  DAWSON RANGE BATHOLITH
-  GRANITE BATHOLITH
-  BIG CREEK SYENITE
-  PELLY GNEISS
-  Fault - defined
-  Fault - approximate

★ Modified after Northern Freegold Resources

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Figure 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**REGIONAL GEOLOGY**  
**PROSPECTOR MOUNTAIN**  
**PROPERTY**

FILE: ...2009/PM      DATE: MARCH 2010



The dominant structure in the area is the northwest-trending Big Creek Fault east of the property. Numerous north to northeast-trending minor structures may be splays off the Big Creek Fault.

The area has numerous porphyry-style mineral deposits associated with Cretaceous porphyritic stocks, the most significant of which is the Casino Porphyry copper-gold-molybdenum deposit. Published reserves at Casino are 914 M tonnes grading 0.237 g/t Au, 0.212% Cu and 0.0236% Mo (Western Copper Corp., 2010).

### **Property Geology**

The following excerpts have been taken from the 1999 Troymin Resources Ltd. assessment report and edited to incorporate minor additional observations. Work conducted by Tarsis did not differentiate sub units within the volcanic or intrusive suites.

The property is underlain by volcanic rocks of the Late Cretaceous to Early Tertiary Carmacks Suite (Figure 4). These rocks can be divided into three sections, two of which are exposed on the property. The lower volcanic section is comprised of andesite flows, tuff, breccias, minor shale and basalt and is dominant in the northeast, south and west. The upper volcanic section is comprised of andesite and basalt flows and is exposed in the southwestern corner of the property. The basal volcanic section of the Carmacks Suite consists of rhyodacite tuff, but it has not been observed on the property.

The volcanic rocks are intruded by the Prospector Mountain Suite which occurs as an irregular east-west band through the centre of the property. These rocks are compositionally monzonitic to quartz monzonitic with variable amounts of biotite and hornblende. They vary from equigranular to porphyritic with potassium feldspar phenocrysts up to 2 cm long. Distinct phases were observed in 2009 but were not mapped in detail. Numerous, late stage, quartz-bearing porphyritic monzonite dykes of the Prospector Mountain Suite intrude the monzonite on the ridge west of the Prospector Mountain peak. The dykes are up to 20 metres wide and appeared to follow north trending, steeply dipping, structures. Some dykes exhibit intense hydrothermal clay alteration and contain fine felted tourmaline rosettes.

Two linear structural trends predominate: 345° to 005° and 020° to 045°. They are easily mapped as through-going linear depressions on ridge crests and are easily distinguished on available airphotos. In the volcanic rocks, especially in the western portion of the property, these structures often host quartz-tourmaline veins. In the intrusive rocks the structures are occasionally occupied by dykes, as described above. A large north trending structure is evident along the Hayes Creek valley, off-setting the Prospector Mountain Suite through this area.

### **HISTORY**

The Prospector Mountain locale covers an area of hydrothermal alteration and mineralization indicative of both a porphyry copper-gold and an epithermal gold-silver mineralizing environment. Several stages of historical exploration have been carried out on and near the current limits of the property boundary focusing on the target styles mentioned. Historical



geochemistry for copper, gold, silver, lead, arsenic and molybdenum are illustrated on Figures 5-15 while a compilation of various workings including bulldozer trenches, trails, induced polarization grids and diamond drill holes are shown on Figure 16.

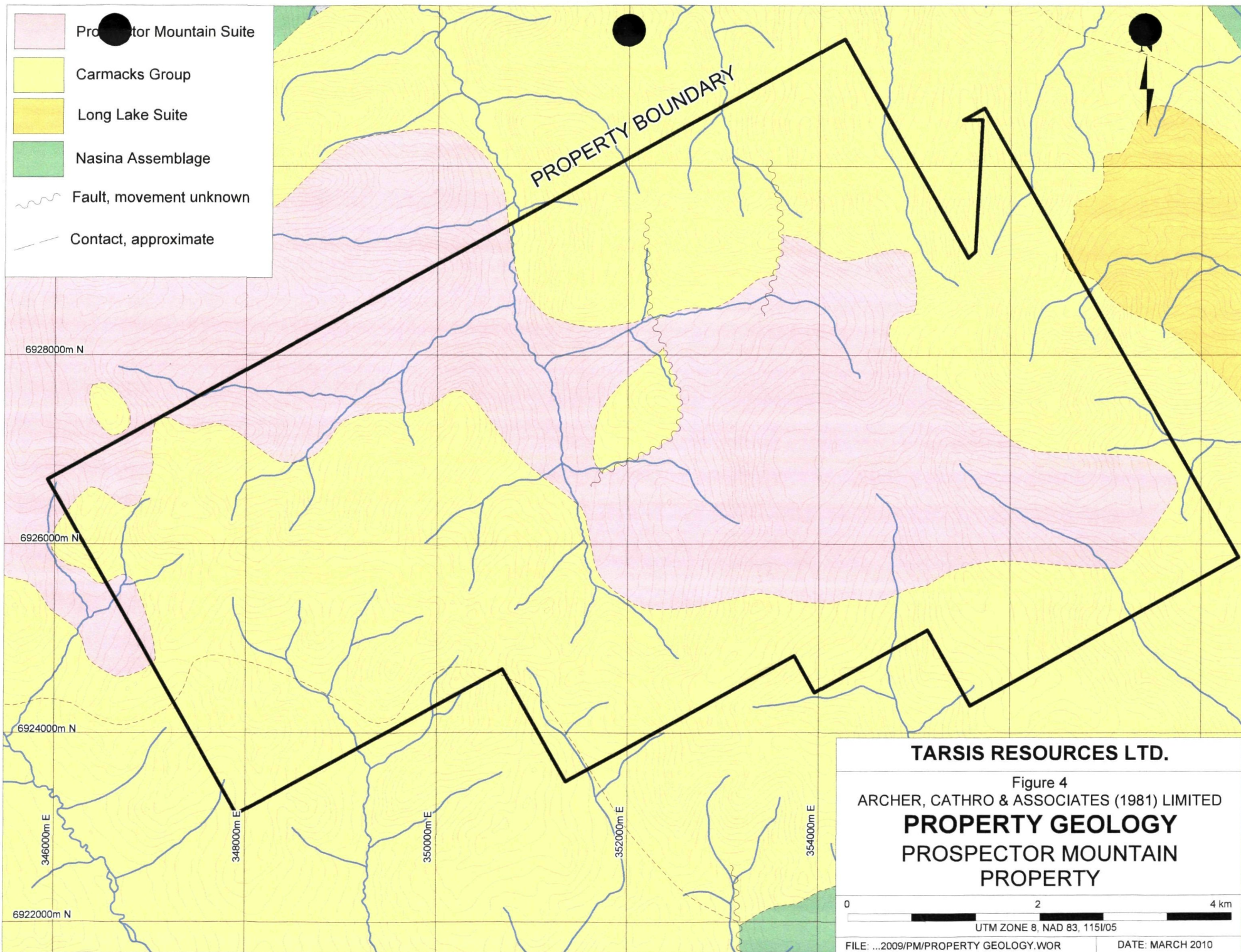
The first documented work in the area took place in the late 1960's and consisted of stream sediment sampling conducted by International Mines Services Ltd. This work highlighted a number of drainages yielding elevated values for copper, lead and zinc. In summer 1970 International Mines followed up the regional stream sediment data with focused grid soil sampling which included the collection of 1435 soil samples at 125 m by 60 m spacings (Waugh, 1970). The samples were analyzed for copper, lead and molybdenum. In general the results were considered poor and no further work was recommended at that time.

During fall 1970 Phelps Dodge of Canada Corporation Limited performed soil geochemical sampling, prospecting and mapping west of the International Mines ground but concluded that no anomalies of significance were identified (Smith, 1971). The work suggested that lead-zinc anomalies had poor correlation with the copper anomalies had were likely associated with individual targets.

In 1971 Occidental Minerals Corporation of Canada conducted exploration within an area east of the International Mines ground. This work included line cutting, grid soil sampling, mapping and prospecting (Allebone and Mehrotra, 1971). Six individual northwest trending copper-zinc-molybdenum anomalies were outlined across the grid, three of which were up to 2.8 km by 1.2 km in size and likely attributed to porphyry style mineralization. Recommendations were made to conduct follow-up Induced Polarization surveys across the anomalies to identify potential drill targets but this work was not implemented.

Between 1979 and 1982 a contiguous claim block totaling roughly 12300 hectares was assembled in the vicinity of the current property boundary and subjected to integrated exploration programs consisting of mapping and sampling of lineaments, bulldozer trenching, 637 m of diamond drilling in 7 holes and airstrip construction (Onasick and Archer, 1981; Archer, 1981; Eaton, 1982). This exploration focused on the discovery of epithermal style gold-silver vein mineralization. Over 50 veins were discovered on the property, mostly associated with recessive northeasterly trending lineaments in the vicinity of the ridge tops. Some of these lineaments are documented up to 200 m wide. Veins discovered within the lineaments are comprised of transparent, chalcedonic, cockade, drusy or massive quartz mineralized with variable concentrations of silver and gold-bearing sulphosalts, galena, chalcopyrite, sphalerite and pyrite. Disseminated and massive tourmaline is noted within some vein occurrences. Numerous showings discovered in this time frame yielded specimens containing multi-ounce silver and multi-gram gold. The best analyses were reported for select specimens containing up to 26.88 g/t Au and 8400 g/t Ag with 69.3% Pb.

Diamond drilling intersected vein zones across widths in excess of 50 m up to 150 m below surface. Most intercepts were reliably predictable from the surface showings in bulldozer trenches and the material often consisted of strongly leached gouge or sludge with minor remnants of quartz and carbonate. The best results from intercepts graded 8 g/t Au across 3 m



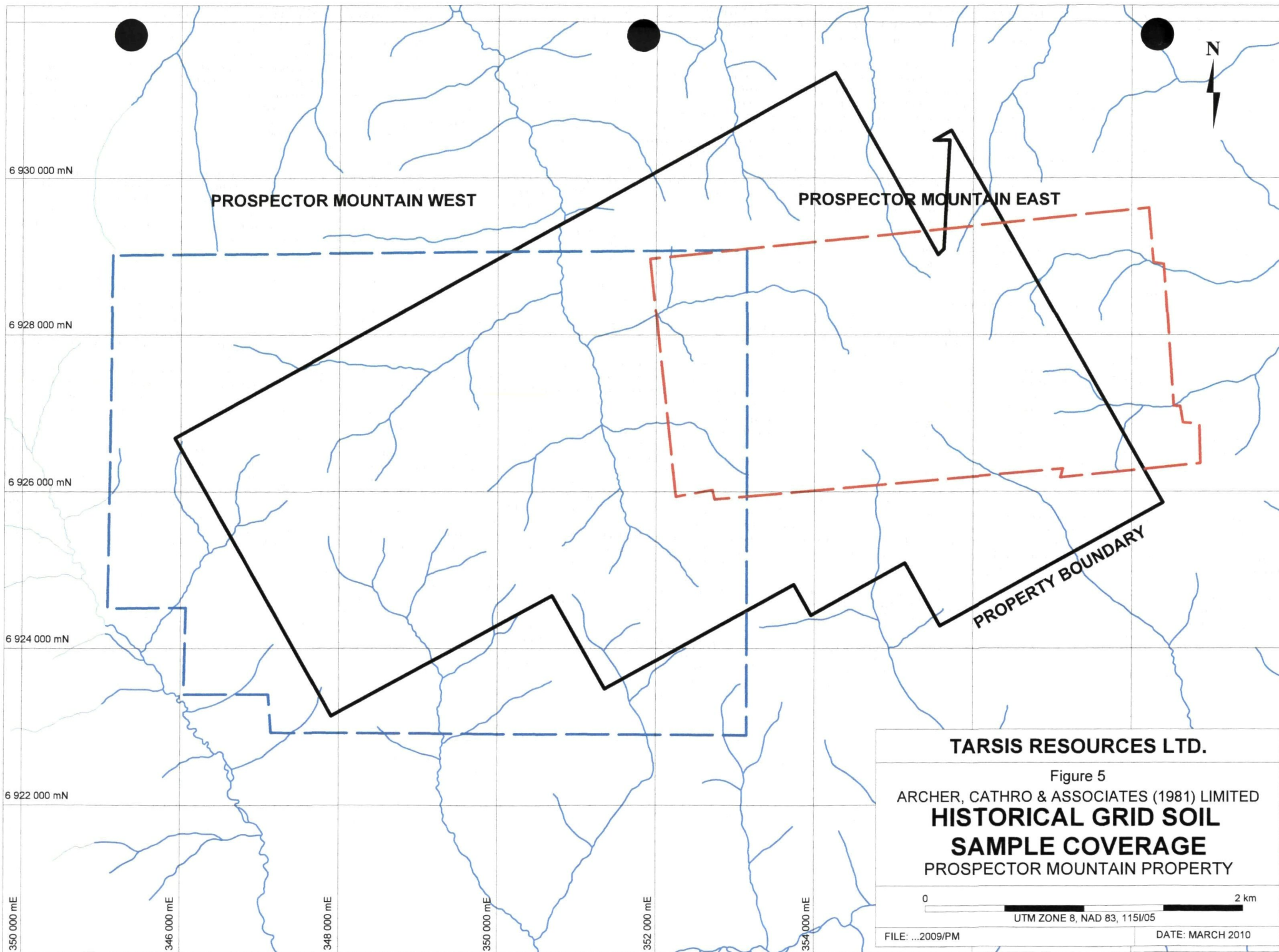
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Figure 4  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
**PROSPECTOR MOUNTAIN**  
**PROPERTY**

0 2 4 km  
 UTM ZONE 8, NAD 83, 1151/05

FILE: ...2009/PM/PROPERTY GEOLOGY.WOR      DATE: MARCH 2010

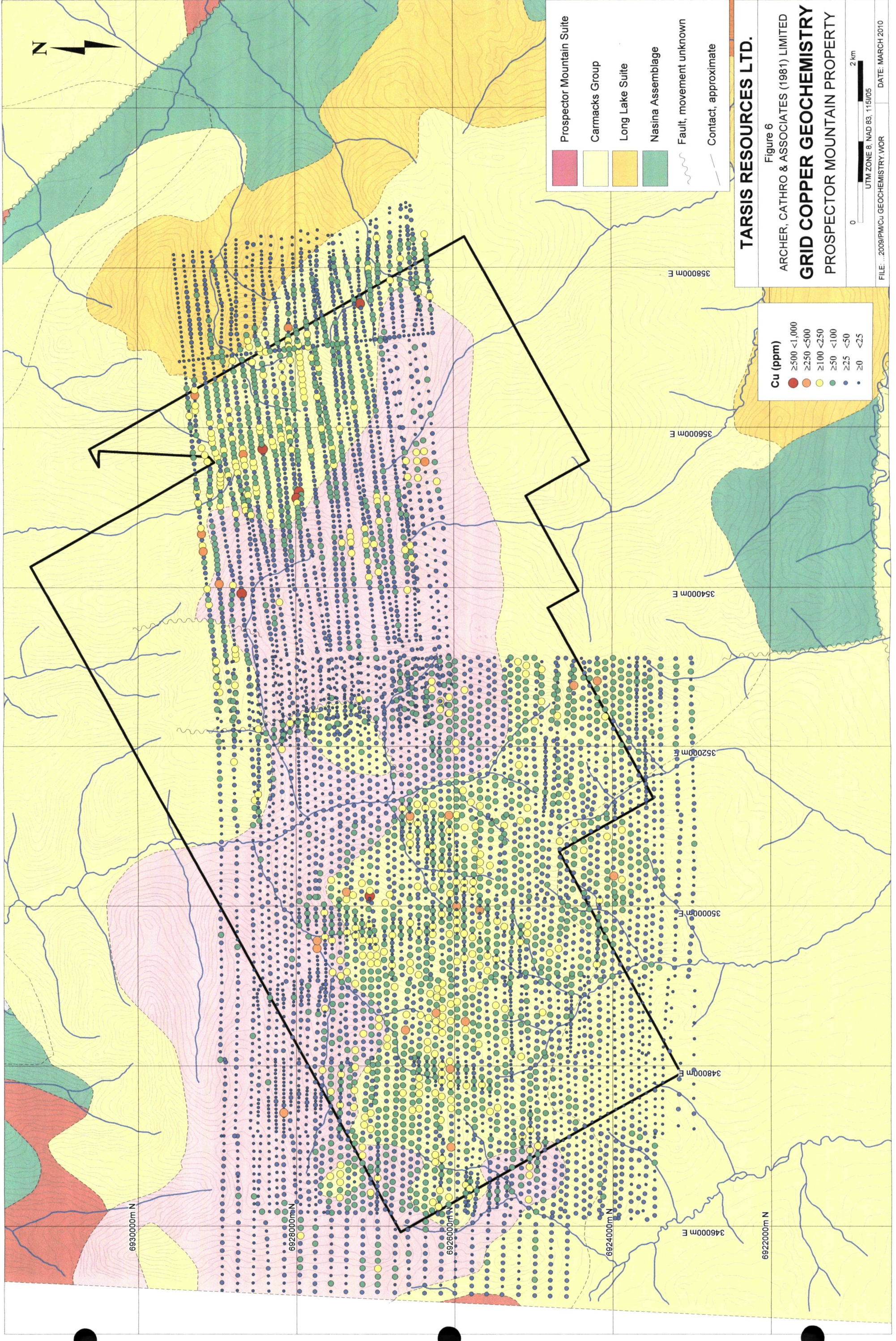




**TARSIS RESOURCES LTD.**

Figure 5  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**HISTORICAL GRID SOIL  
SAMPLE COVERAGE**  
PROSPECTOR MOUNTAIN PROPERTY





**Cu (ppm)**

|   |             |
|---|-------------|
| ● | ≥500 <1,000 |
| ● | ≥250 <500   |
| ● | ≥100 <250   |
| ● | ≥50 <100    |
| ● | ≥25 <50     |
| ● | ≥0 <25      |

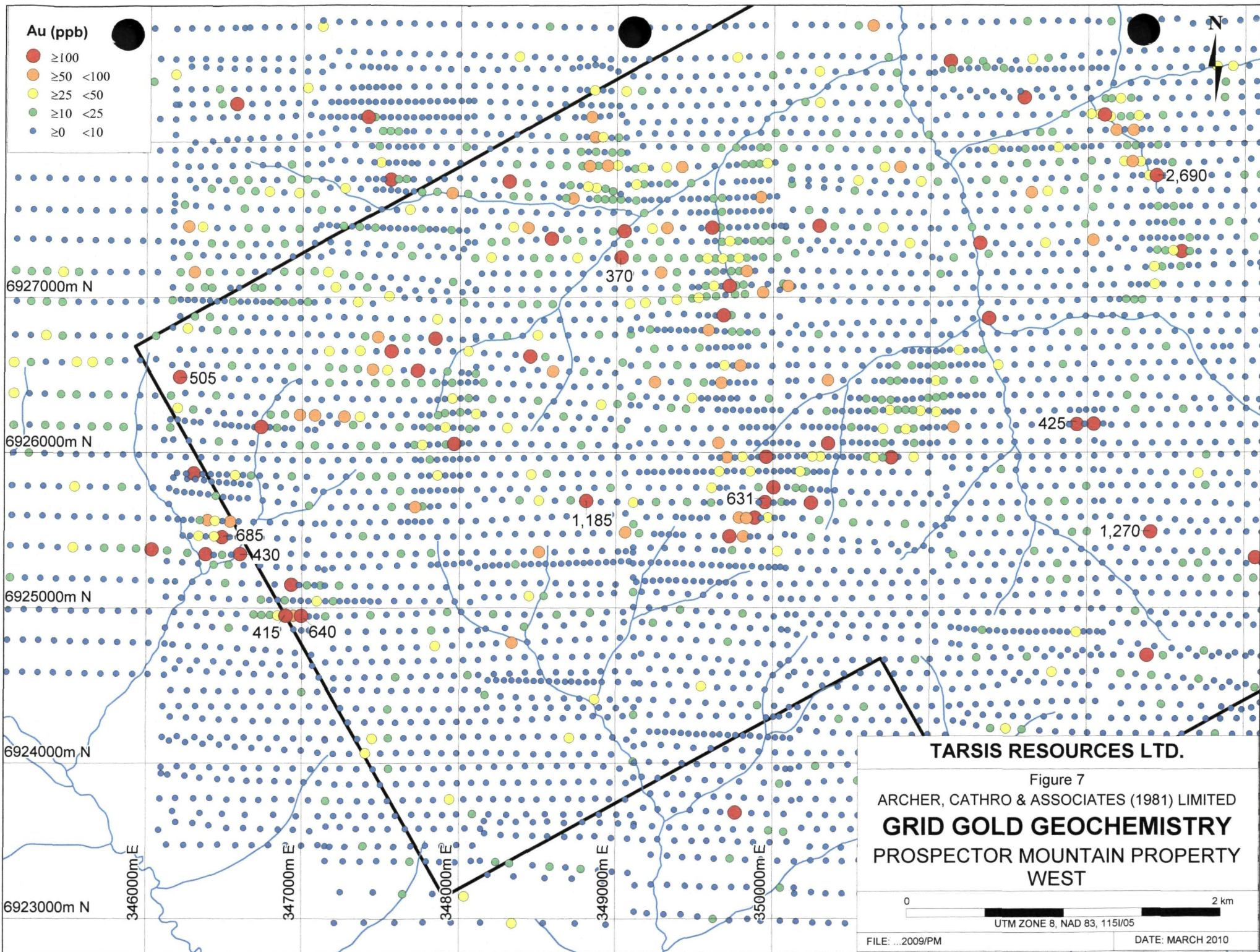
|   |                           |
|---|---------------------------|
| ■ | Prospector Mountain Suite |
| ■ | Carmacks Group            |
| ■ | Long Lake Suite           |
| ■ | Nasina Assemblage         |
| ~ | Fault, movement unknown   |
| - | Contact, approximate      |

**TARSIS RESOURCES LTD.**

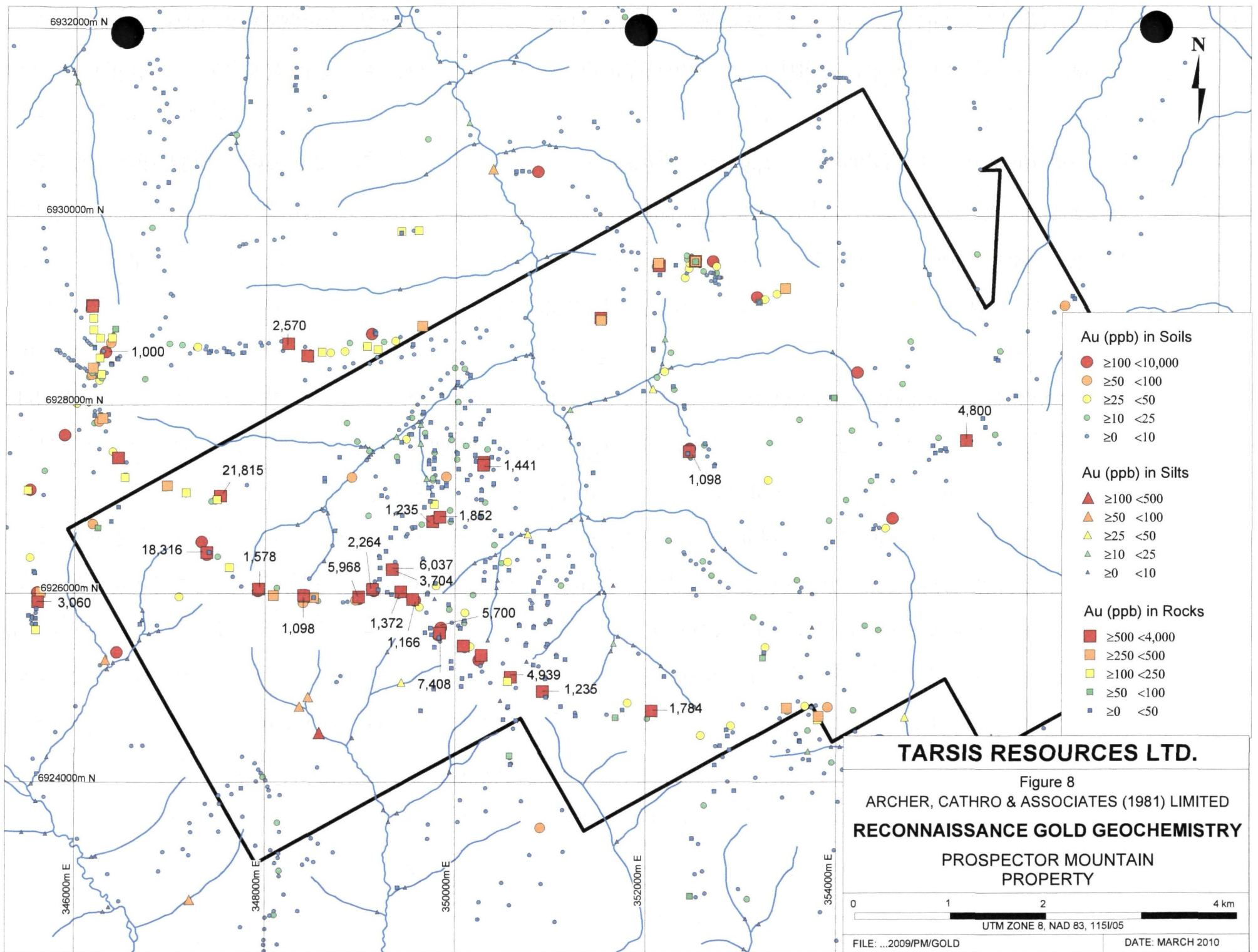
Figure 6  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GRID COPPER GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY

UTM ZONE 8, NAD 83, 115/05  
 0 2 km  
 FILE: ...2009/PM/Cu GEOCHEMISTRY.WOR DATE: MARCH 2010

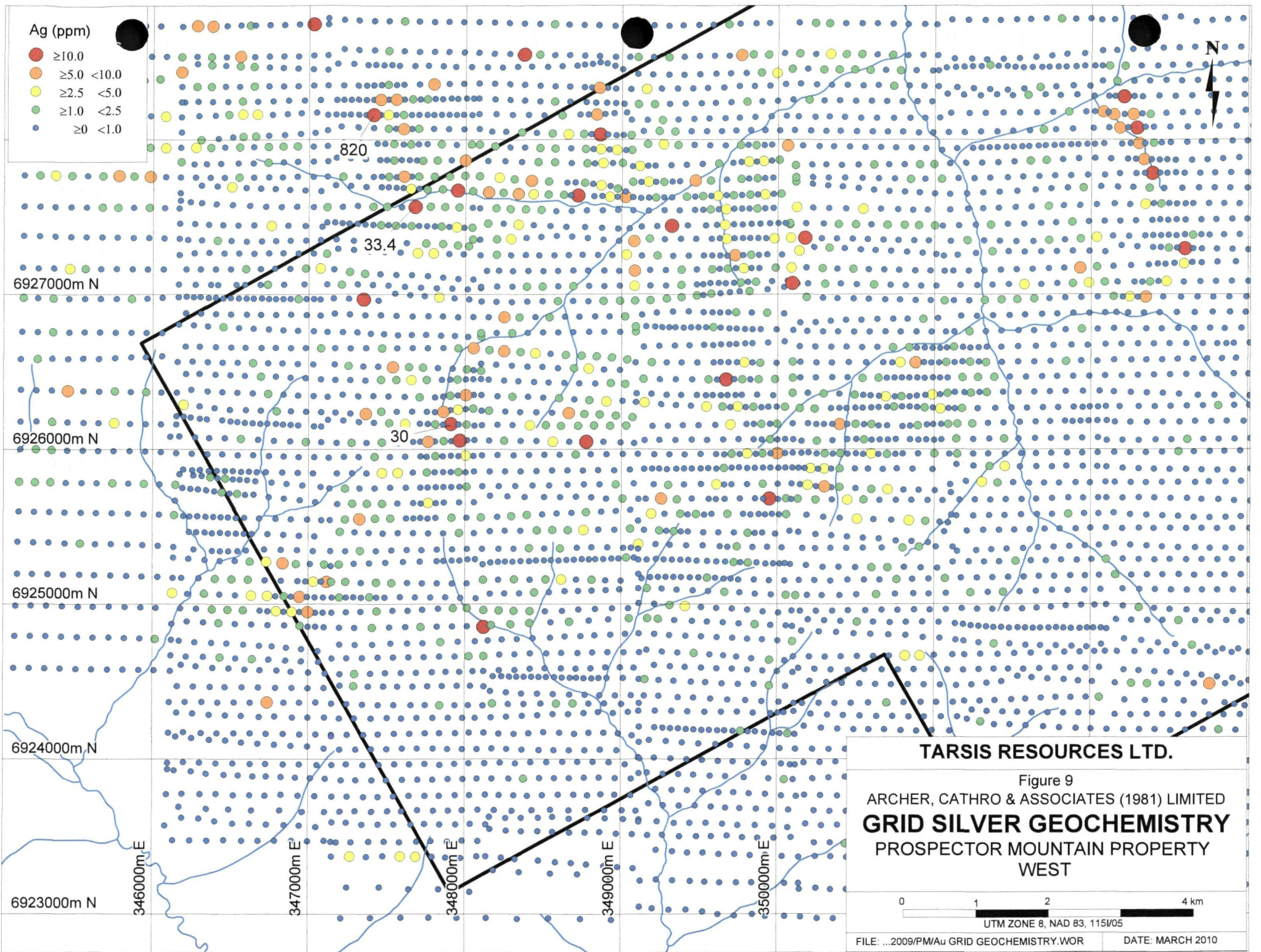












Ag (ppm)

- $\geq 10.0$
- $\geq 5.0 < 10.0$
- $\geq 2.5 < 5.0$
- $\geq 1.0 < 2.5$
- $\geq 0 < 1.0$

820

33.4

30

6927000m N

6926000m N

6925000m N

6924000m N

6923000m N

346000m E

347000m E

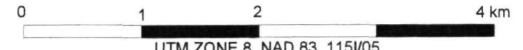
348000m E

349000m E

350000m E

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Figure 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GRID SILVER GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY  
 WEST

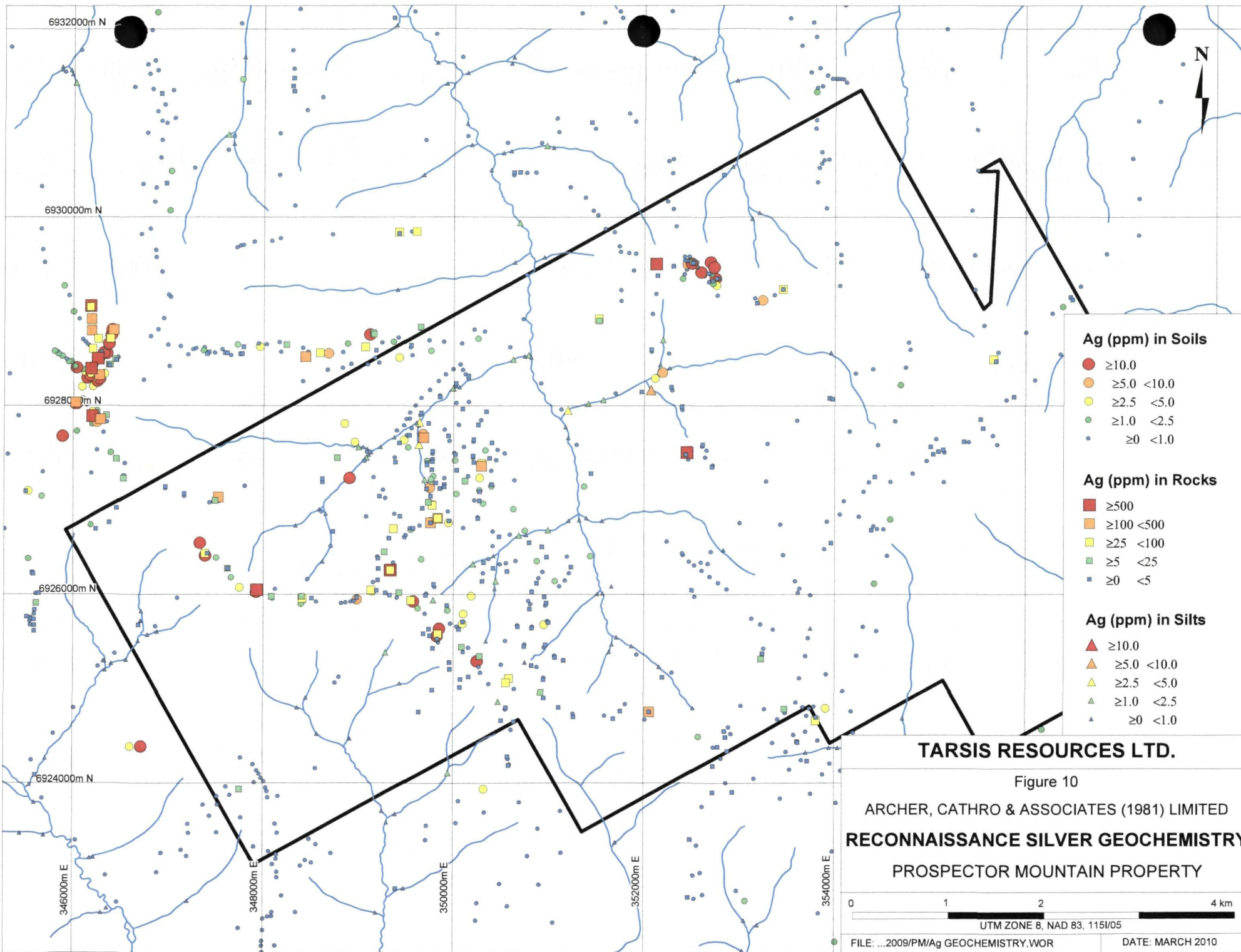


UTM ZONE 8, NAD 83, 115/05

FILE: ...2009/PM/Au GRID GEOCHEMISTRY.WOR

DATE: MARCH 2010





**Ag (ppm) in Soils**

- $\geq 10.0$
- $\geq 5.0 < 10.0$
- $\geq 2.5 < 5.0$
- $\geq 1.0 < 2.5$
- $\geq 0 < 1.0$

**Ag (ppm) in Rocks**

- $\geq 500$
- $\geq 100 < 500$
- $\geq 25 < 100$
- $\geq 5 < 25$
- $\geq 0 < 5$

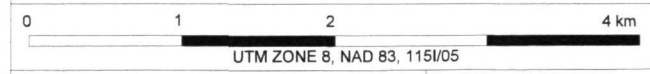
**Ag (ppm) in Silts**

- ▲  $\geq 10.0$
- ▲  $\geq 5.0 < 10.0$
- ▲  $\geq 2.5 < 5.0$
- ▲  $\geq 1.0 < 2.5$
- ▲  $\geq 0 < 1.0$

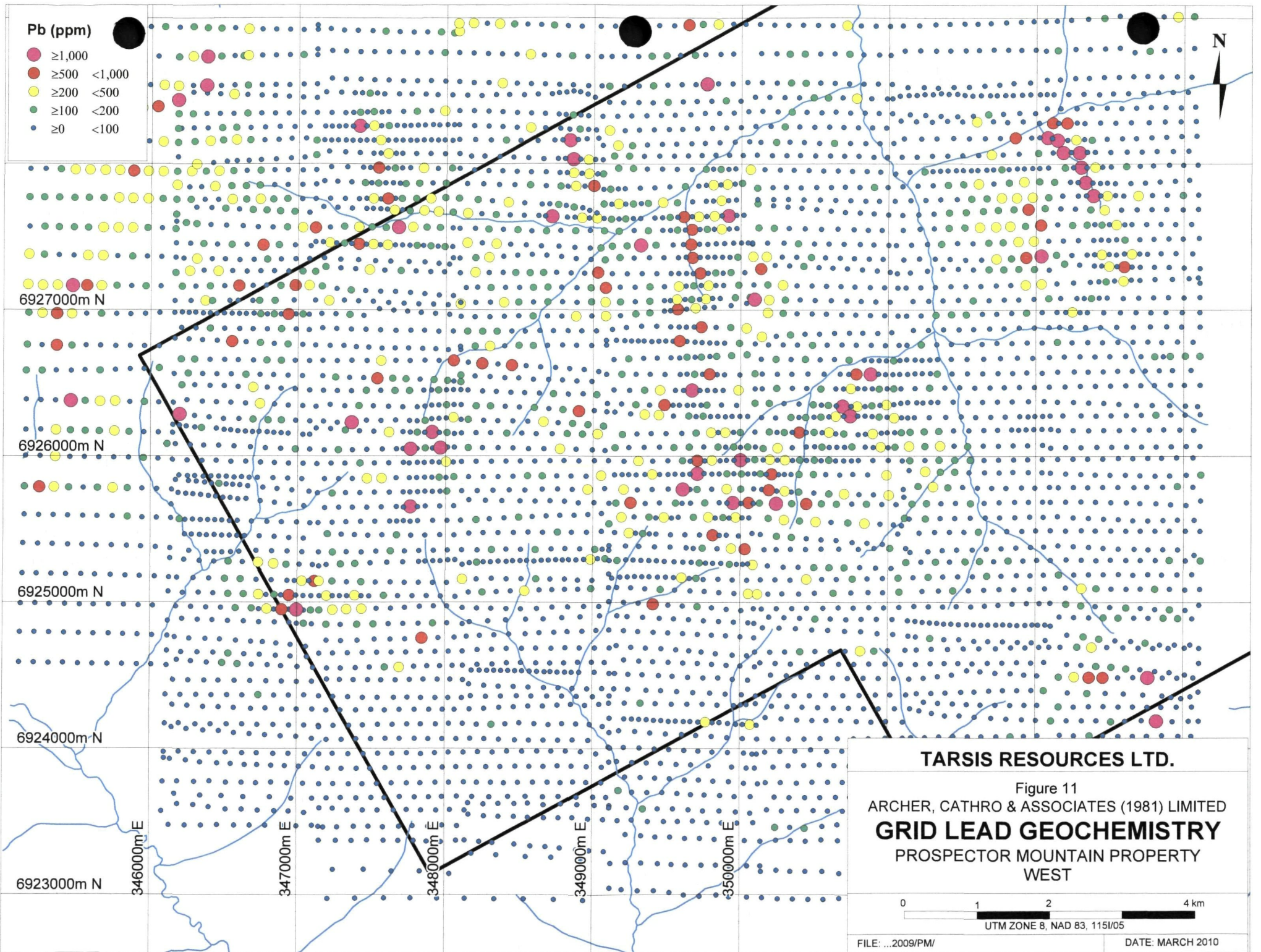
**TARSIS RESOURCES LTD.**

Figure 10

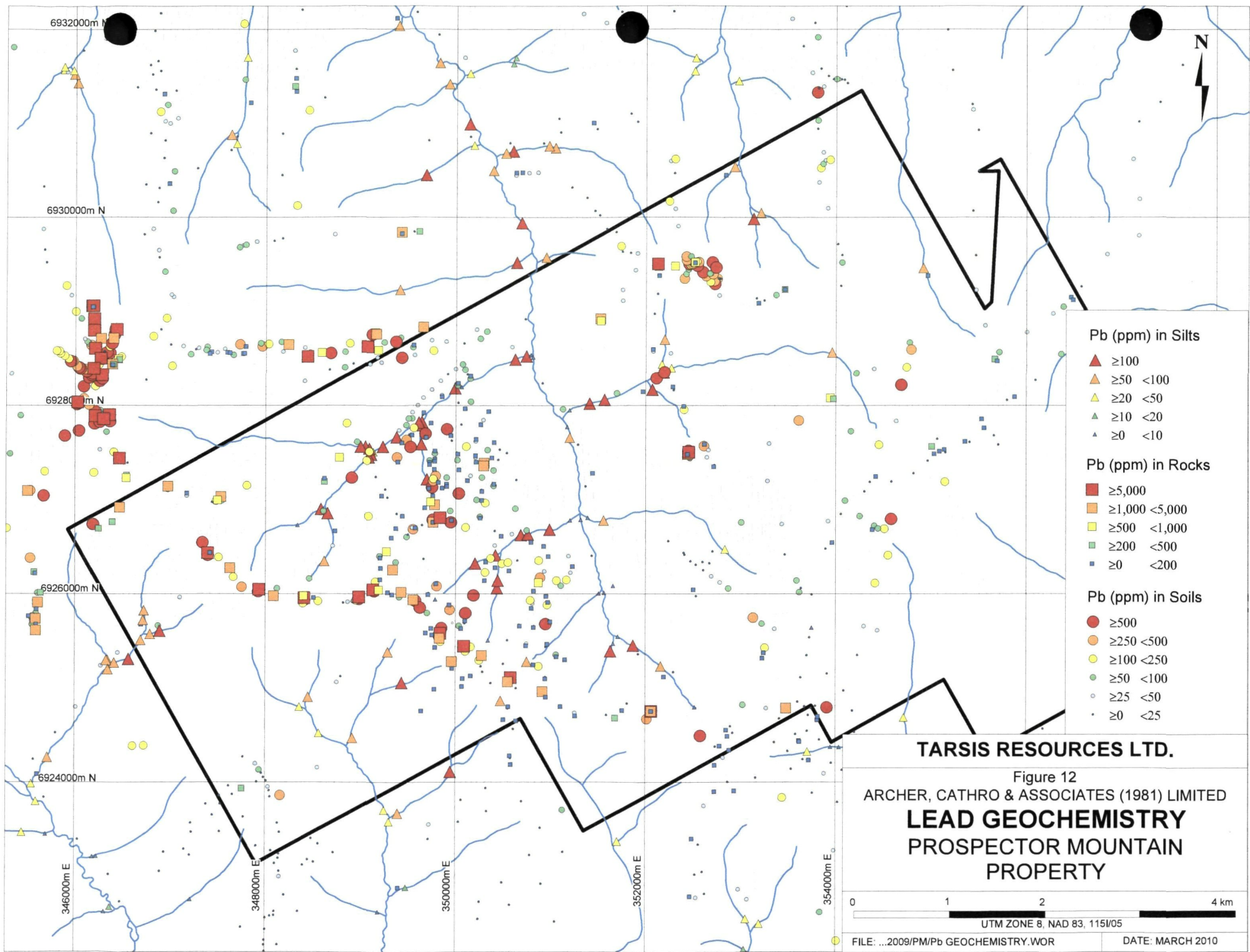
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**RECONNAISSANCE SILVER GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY



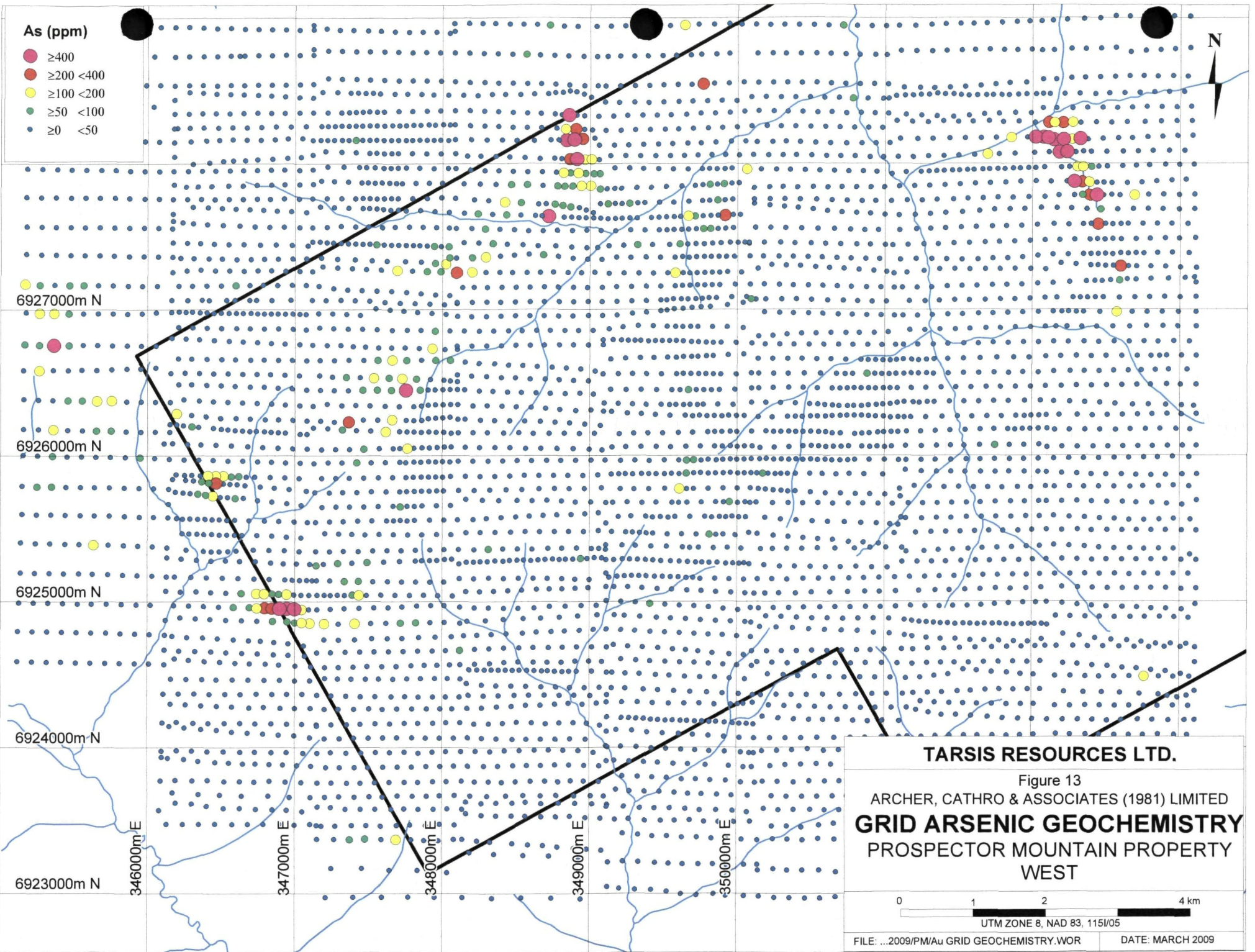




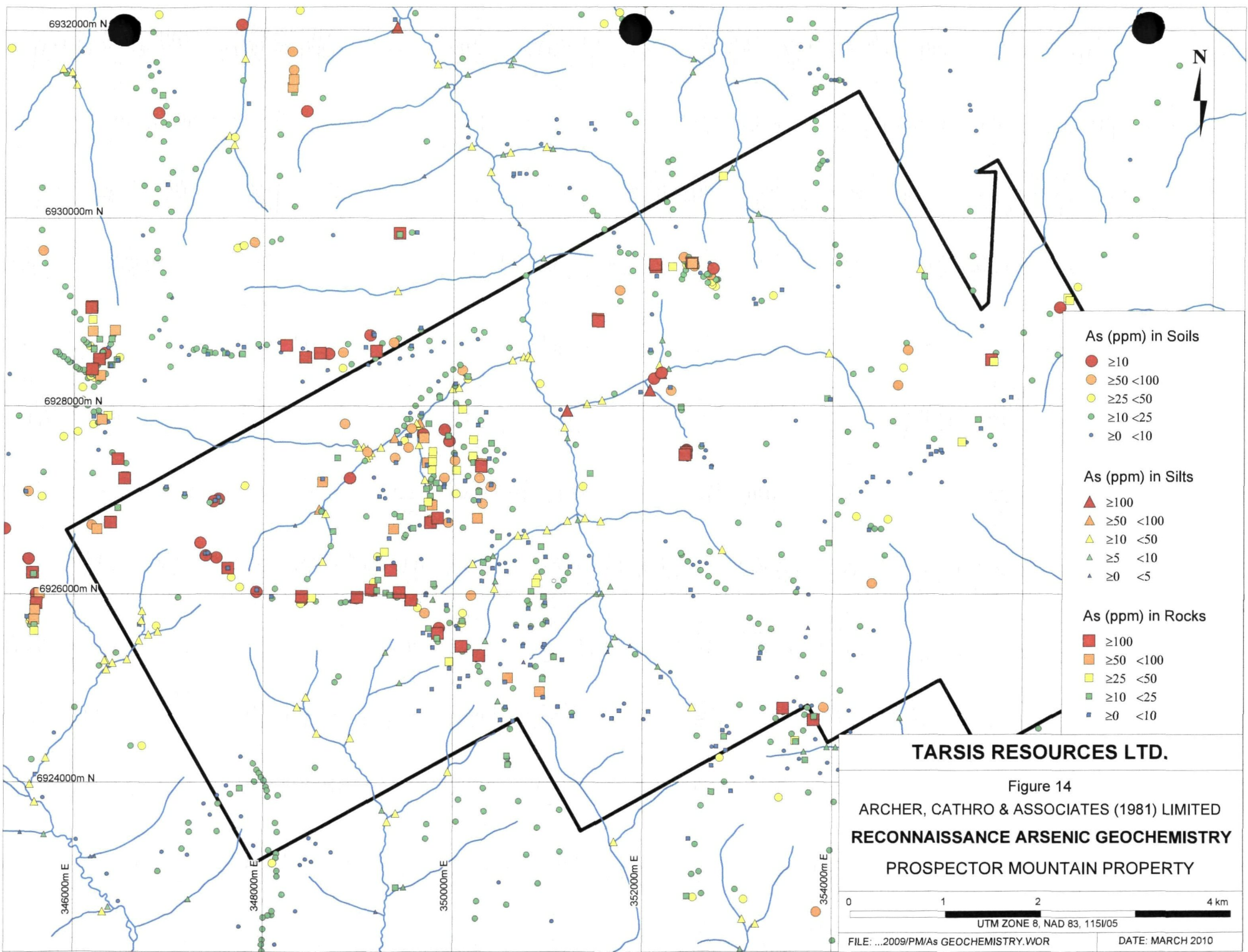












**As (ppm) in Soils**

- $\geq 10$
- $\geq 50 < 100$
- $\geq 25 < 50$
- $\geq 10 < 25$
- $\geq 0 < 10$

**As (ppm) in Silts**

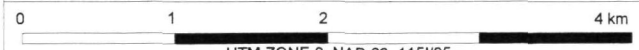
- ▲  $\geq 100$
- ▲  $\geq 50 < 100$
- ▲  $\geq 10 < 50$
- ▲  $\geq 5 < 10$
- ▲  $\geq 0 < 5$

**As (ppm) in Rocks**

- $\geq 100$
- $\geq 50 < 100$
- $\geq 25 < 50$
- $\geq 10 < 25$
- $\geq 0 < 10$

**TARSIS RESOURCES LTD.**

Figure 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**RECONNAISSANCE ARSENIC GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY



Mo (ppm)

- $\geq 25$
- $\geq 10 < 25$
- $\geq 5 < 10$
- $\geq 2 < 5$
- $\geq 1 < 2$
- $\geq 0 < 1$



6 928 000 mN

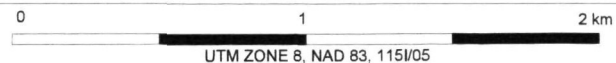
354 000 mE

356 000 mE

**TARSIS RESOURCES LTD.**

Figure 15

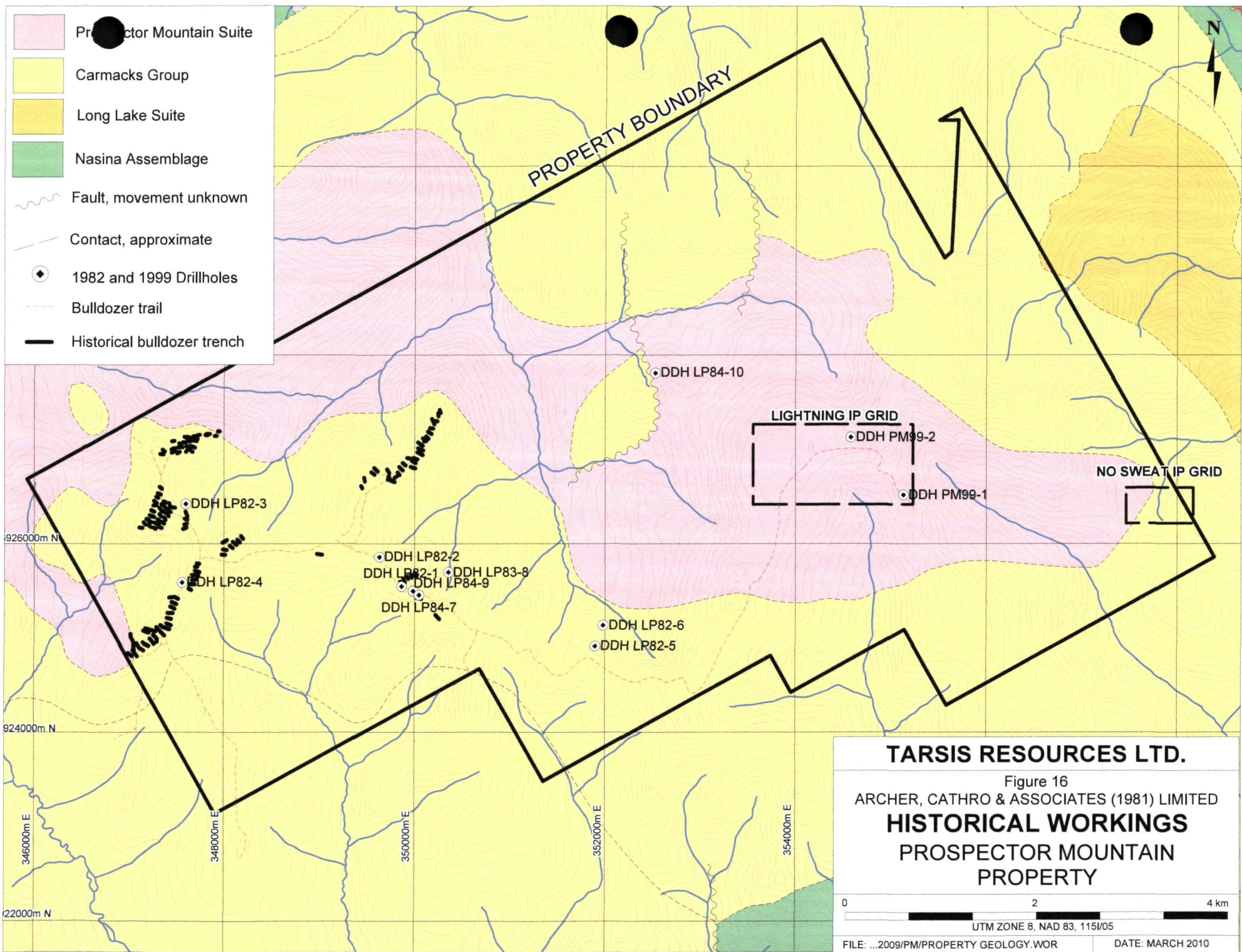
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GRID MOLYBDENUM GEOCHEMISTRY**  
PROSPECTOR MOUNTAIN PROPERTY  
EAST



FILE: ...2009/PM/Mo

DATE: MARCH 2010





including a sub interval of 19.6 g/t Au across 1 m. Another hole reportedly returned 346 g/t Ag and 15.3% Pb across 0.3 m.

Additional work in the late 1990's was refocused toward the identification of porphyry targets by Troymin Resources Ltd. (Cassleman, 1999). This work expanded the soil geochemical coverage on two small grids in the eastern part of the property, implemented approximately 13.5 line km of IP surveys and 336 m of diamond drilling in two holes. Both holes were located on the Lightning IP grid in the vicinity of chargeability IP anomalies and historical Cu and/or Mo soil geochemical anomalies. Sufficient disseminated pyrite was encountered in monzonite to explain the IP chargeability anomalies but no significant base or precious metal results were encountered.

### **2009 PROGRAM**

During July and August 2009, Tarsis explored the property to assess the merits of the historical targets and begin defining future diamond drill targets. This work included broad alteration mapping and prospecting within the eastern part of the property and examination of several vein zones within the western part of the claim block.

#### **Eastern Porphyry Target**

Prospecting and lesser alteration mapping were conducted in the vicinity of the historical copper-molybdenum soil geochemical anomalies identified in the 1970s and 1980s that was reported to coincide with select pieces of monzonite talus exhibiting high concentrations of hydrothermal magnetite bearing fractures and veinlets with coincident chalcopyrite disseminations. Thin section analysis of this material revealed the presence classic K-silicate alteration, hydrothermal actinolite, magnetite and apatite in the quartz veins; mineralogy commonly found to be associated with alkalic copper-gold systems.

Porphyry alteration mapping and prospecting were conducted within a 4 km<sup>2</sup> area west and southwest of Prospector Mountain peak near the contact between the Carmacks Suite volcanic rocks and the Prospector Mountain Suite monzonite. This area is centred on an intermittent 1,500 m northwest trending copper-in-soil geochemical anomaly (100 to 250 ppm) largely confined to an upland plateau. The most common rock type observed within the plateau, adjacent slopes and ridge tops is medium- to coarse-grained monzonite with very little visible alteration. These rocks commonly comprise glassy fresh orthoclase, quartz, biotite, hornblende and magnetite; the latter of which is believed to be largely magmatic in nature. Alteration is generally weak and consists of minor chlorite alteration of biotite and hornblende. Fine grained weakly disseminated pyrite is also observed in localized talus trains and is easily identified by its surface oxidation. Fine grained intrusive is observed in talus and is likely associated with coeval or later dykes. These rocks are often strongly clay altered and bleached with trace to abundant fine black tourmaline rosettes.

Prospecting within the plateau is largely hampered by grass and talus cover, however, traverses along recessive north to northwest trending benches above the plateau and along west facing slopes identified numerous locales containing sericite altered quartz tourmaline vein material



with various combinations of accessory specularite, earthy hematite, mag-hematite, fluorite and magnetite as disseminations and veinlets plus patchy limonite. This material is ubiquitous within the area prospected and is interpreted to represent widespread phyllic-style alteration.

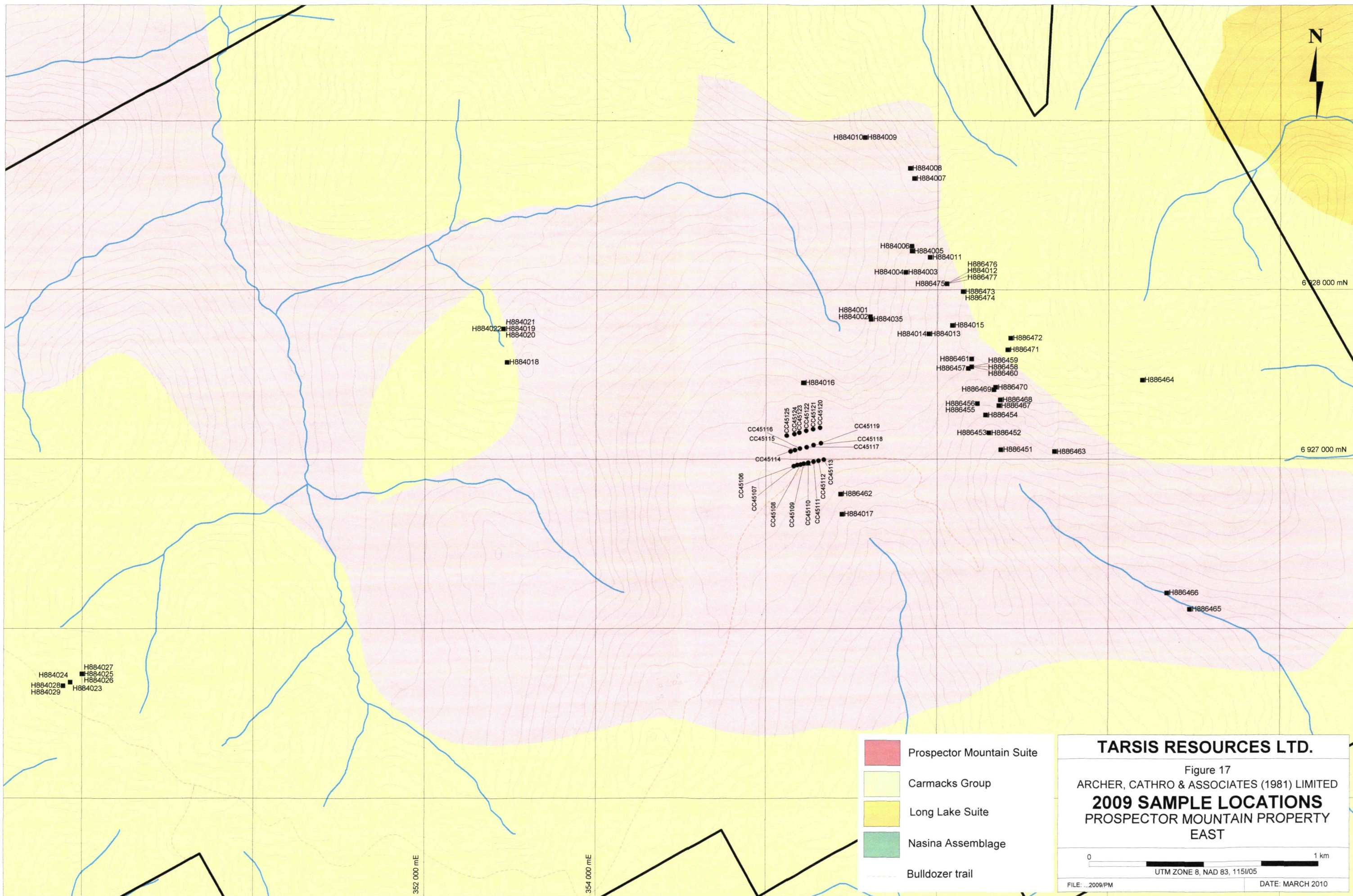
Intermittent talus trains and localized concentrations of distinct secondary potassic altered monzonite were mapped in proximity to a distinct northerly trending structural corridor cutting the eastern apophysis of the Prospector Mountain Suite intrusion near the contact with the bordering Carmacks Suite volcanic assemblage. At one ridge top location near the contact between these two units, radial fracturing was observed within the monzonite and orthoclase veins containing large books of pale brown biotite were observed cutting the overlying volcanic rocks.

Fifty rock samples were collected for analyses during prospecting and alteration mapping in the vicinity of Prospector Mountain (Figure 17). All assays were carried out at ALS Chemex in North Vancouver, B.C. where samples were dried and fine crushed before a 250 gram split was pulverized to better than 85% passing 75 microns. Gold analyses were obtained by the Au-AA23 procedure that involves fire assay preparation using a 30 gram charge with an atomic absorption spectroscopy finish. Gold values exceeding upper detection limits of 10 ppm were taken to completion using fire assay with gravimetric finish Au-GRA21. Due to the unusual high grade gold response from such a number of samples, additional check analyses were performed from the coarse reject material. These analyses were conducted at Acme Analytical Laboratories Ltd. in Vancouver, B.C. using similar analytical techniques. Final gold values were then calculated using an arithmetic average of initial assay results and check assay results from the two different labs. Certificates of analysis for both labs are contained in Appendix II.

Two main areas of interest were highlighted as a result of the prospecting traverses. The majority of the rock samples collected for analyses in the Eastern Porphyry Target plot within a well defined north northwesterly trending structural corridor termed the **Bonanza Zone**. It hosts a series of high grade gold-silver-copper showings along a 1,200 m portion of the trend near the eastern contact between potassic altered Prospector Mountain Suite monzonite and overlying Carmacks Suite volcanic rocks. Locally derived vein talus ranging from 5 to 35 cm thickness collected from eight sites along the trend is mostly comprised of multiple pulse vuggy quartz and quartz breccia with varying combinations of accessory earthy to specular hematite, black tourmaline, hematized siderite and limonite. A number of samples also contain malachite and azurite either as breccia clasts, matrix filling and later fracture filling. Only rare occurrences of pyrite and chalcopyrite are noted within the samples and this is largely due to the level of near surface oxidation.

Table I lists significant results for vein material collected along the trend of the Bonanza Zone and all the rock sample locations for the Eastern Porphyry Target area are illustrated on Figure 18.





- Prospector Mountain Suite
- Carmacks Group
- Long Lake Suite
- Nasina Assemblage
- Bulldozer trail

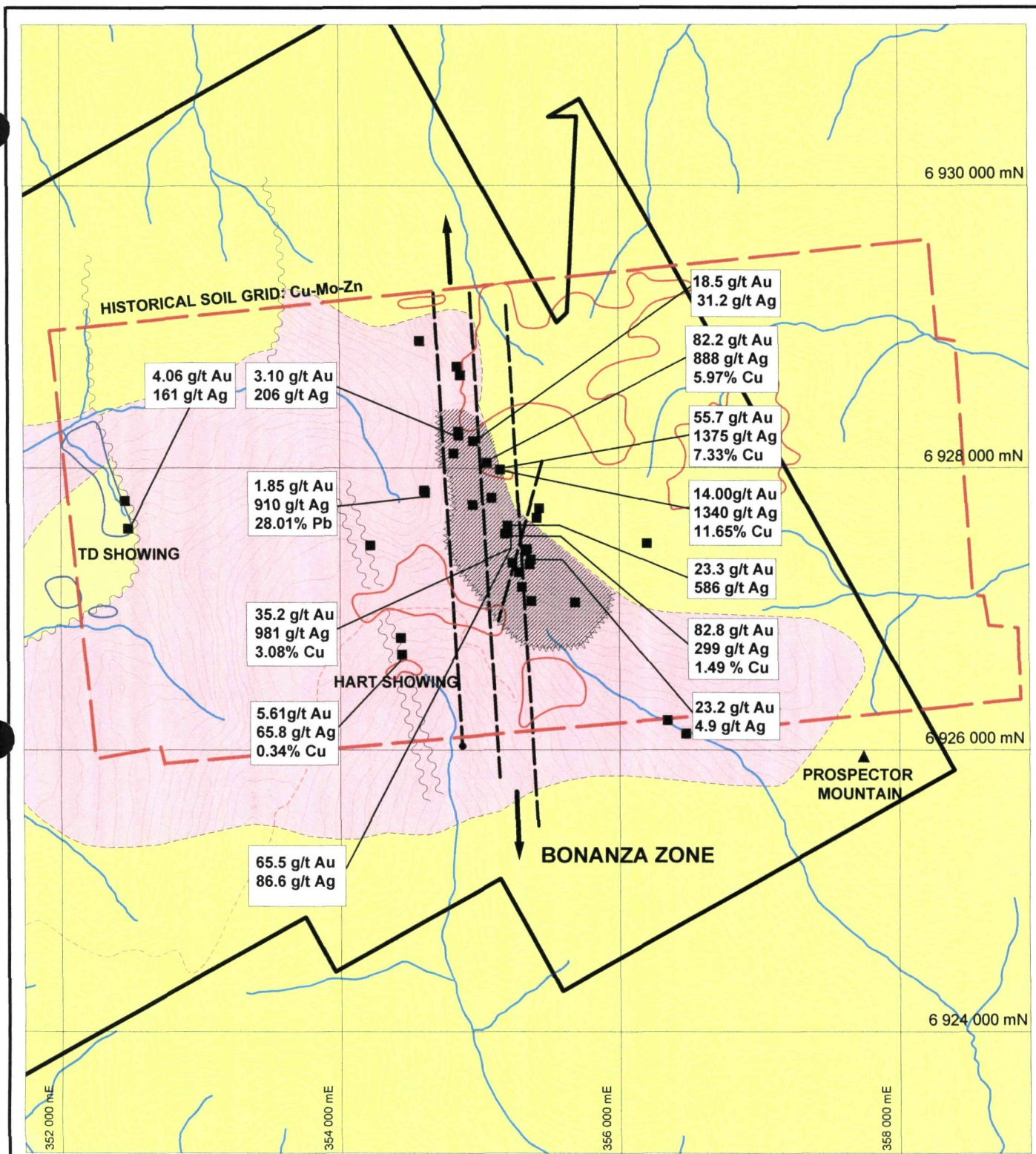
**TARSIS RESOURCES LTD.**

Figure 17  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2009 SAMPLE LOCATIONS**  
 PROSPECTOR MOUNTAIN PROPERTY  
 EAST

UTM ZONE 8, NAD 83, 115I/05

FILE: ...2009/PM      DATE: MARCH 2010





HISTORICAL SOIL GRID: Cu-Mo-Zn

4.06 g/t Au  
161 g/t Ag

3.10 g/t Au  
206 g/t Ag

1.85 g/t Au  
910 g/t Ag  
28.01% Pb

35.2 g/t Au  
981 g/t Ag  
3.08% Cu

5.61 g/t Au  
65.8 g/t Ag  
0.34% Cu

65.5 g/t Au  
86.6 g/t Ag

18.5 g/t Au  
31.2 g/t Ag

82.2 g/t Au  
888 g/t Ag  
5.97% Cu

55.7 g/t Au  
1375 g/t Ag  
7.33% Cu

14.00 g/t Au  
1340 g/t Ag  
11.65% Cu

23.3 g/t Au  
586 g/t Ag

82.8 g/t Au  
299 g/t Ag  
1.49 % Cu

23.2 g/t Au  
4.9 g/t Ag

TD SHOWING

HART SHOWING

BONANZA ZONE

PROSPECTOR MOUNTAIN

6 930 000 mN

6 928 000 mN

6 926 000 mN











6 924 000 mN

352 000 mE

354 000 mE

356 000 mE

358 000 mE

-  Copper >100 ppm
-  Silver >2 ppm
-  Prospecter Mountain Suite
-  Carmacks Group
-  Fault, movement unknown
-  Contact, approximate
-  Bulldozer road
-  Trench
-  Potassic alteration
-  Rock specimen with significant Au±Ag±Cu value

**TARSIS RESOURCES LTD.**

Figure 18  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**BONANZA COMPILATION**  
 PROSPECTOR MOUNTAIN PROPERTY  
 EAST

0  2 km

UTM ZONE 8, NAD 83, 115/05

FILE: ...2009/PM

DATE: MARCH 2010

**Table I - Bonanza Zone Significant Results**

| Sample # | Au (g/t) | Ag (g/t) | Cu (%) |
|----------|----------|----------|--------|
| H884005  | 3.10     | 206      | 0.04   |
| H884006  | 1.10     | 217      | 0.04   |
| H884011  | 18.5     | 31.2     | 0.44   |
| H884012  | 27.6     | 182      | 1.37   |
| H884035  | 1.85     | 910      | 0.19   |
| H886454  | 0.73     | 0.4      | -      |
| H886457  | 23.3     | 586      | 0.22   |
| H886458  | 82.8     | 299      | 1.49   |
| H886459  | 35.2     | 981      | 3.08   |
| H886460  | 65.5     | 86.6     | 0.60   |
| H886467  | 0.83     | 3.4      | -      |
| H886468  | 23.2     | 4.9      | -      |
| H886473  | 14.00    | 1340     | 11.65  |
| H886474  | 55.7     | 1375     | 7.38   |
| H886475  | 82.2     | 888      | 5.97   |
| H886476  | 8.52     | 136      | 0.52   |

Five mineralized samples yielding between 5 and 82 g/t Au were selected from the Bonanza Zone for thin section petrographic assessment and microscopic gold characterization conducted by Vancouver Petrographics Ltd. Mineralogy observed was similar to the general description for the surface specimens. Significant quantities of native gold were located during microscopy assessment and noted to occur as subhedral crystals or blebs up to 150 um in size in three of the samples (H886460, 474, and 475), typically associated with sericite and/or limonite fractures in the quartz but at the margins or near goethitic limonite aggregates, or in places within these limonite aggregates that may be after pyrite and/or chalcopyrite. The high Au and Cu values are thus easily explained, and Ag may be present with the gold. A detailed petrographic report is contained in Appendix III and traverse summaries including sample descriptions for all samples collected within the Eastern Porphyry Target area are contained in Appendix IV.

In addition to the metals reported above, most samples within the Bonanza Zone also yielded strongly elevated bismuth (to >1%) and variably elevated arsenic (to 3490 ppm), antimony (to >1%) and lead (to 28.01%). However, no obvious locus for the high Sb, As or Bi values was seen in thin section. Exceptions within this suite of samples are: H886468 which is comprised of vuggy quartz-tourmaline-specularite and believed to be associated with a more northerly trending cross-cutting structure; and samples H886454 and H886467 which represent lower grade stockwork style veinlets hosted within altered porphyry talus.

Recessive lineaments defining the Bonanza structural trend are somewhat intermittent but are interpreted to span a width of roughly 200 m and may be in excess of 400 m. Surprisingly, copper-in-soil response along the trend is generally low but this may be largely attributed to extensive talus cover and poor soil development. Historical soil sampling programs in this part

of the property did not analyse for gold and silver or accessory indicator elements for precious metal veins.

Other samples of interest collected up to 1 km south southeast along strike from the showings defining the Bonanza Zone include isolated boulders of weakly potassic altered porphyritic biotite quartz monzonite cut by densely sheeted quartz-magnetite veinlets. Some of this material also contains weak disseminations of pyrite but assays returned low values for most metals.

Another gold occurrence referred to as the **Hart Showing** is situated 1 km southwest of the Bonanza Zone and consists of a small exposure of vuggy grey silica talus with variable amounts of scorodite alteration. Petrographic analysis of the sample described quartz-tourmaline-sericite-minor pyrite-specular hematite veins and/or breccia that has been re-brecciated in multiple episodes, with tourmaline becoming less abundant and sericite (or clay?/sericite) and possible chalcedonic quartz becoming more abundant with time, the latter possibly associated with (or merely stained by?) limonite derived by oxidation of pyrite. A sample collected from this historical exposure returned 5.61 g/t Au, 65.8 g/t Ag 0.34% Cu and >1% As. The orientation of the associated host structure is currently unknown but the showing is situated at the southern end of a prominent northwesterly trending lineament up to 200 m wide.

A series of soil samples were collected along three samples lines across the lineament. The lines were spaced roughly 100 m apart and samples were collected at 25 m intervals along the lines. Samples were placed in a pre-numbered kraft paper bag and the site was marked with orange flagging denoting the sample number in felt pen. All samples were sent ALS Chemex in North Vancouver where they were dried and sieved to 80 mesh. Pulps were then subjected to aqua regia digestion and analysed for 35 elements using the ME-ICP41 technique. In addition, gold analyses were performed by fire assay and atomic absorption finish using a 30 gram charge. Sample locations are illustrated on Figure 17 and Certificates of Analysis are contained in Appendix II.

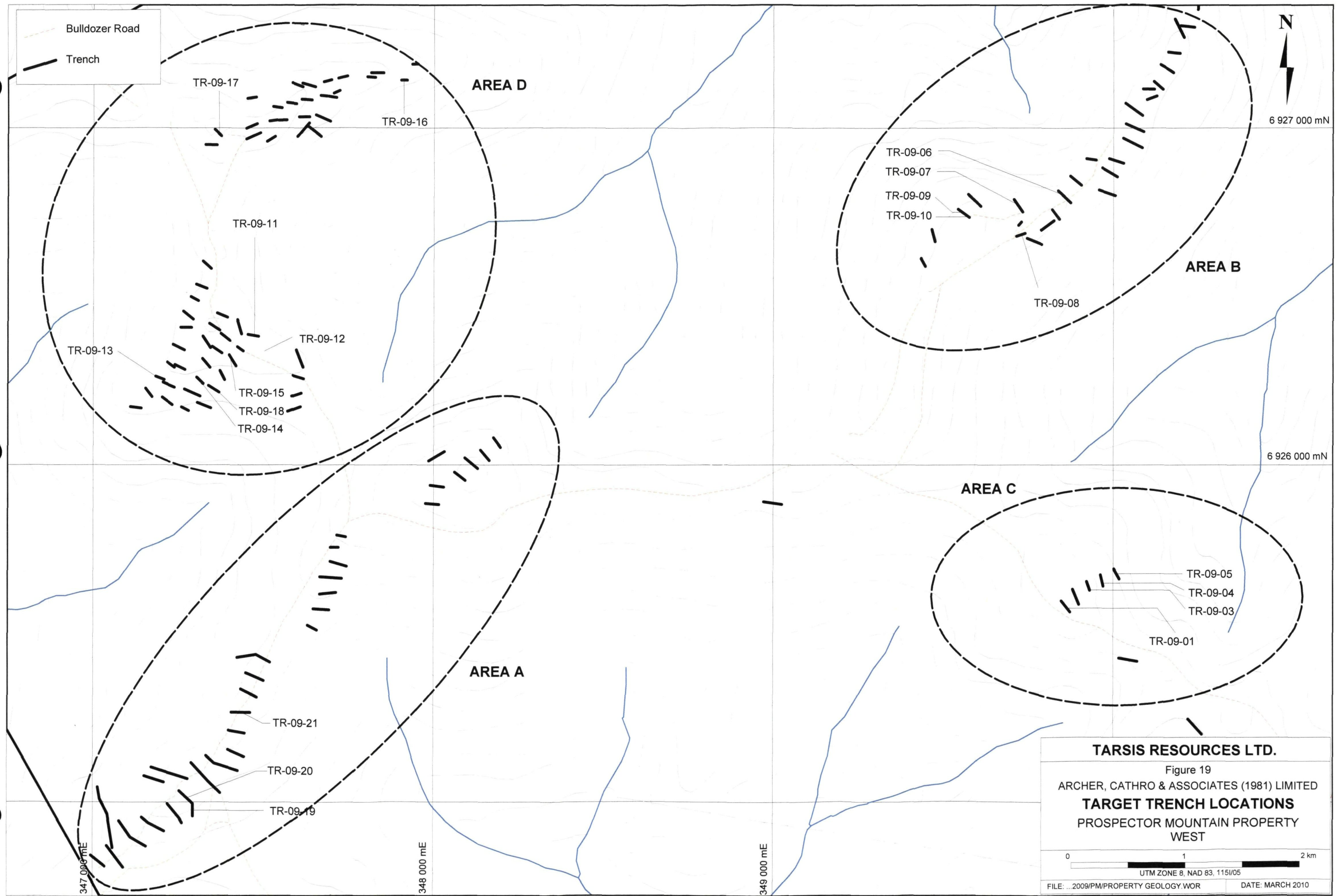
Most of the material collected from the lineament consisted of multi colored clay rich soil/gouge. Soil sample response in general was subdued for most indicator elements of interest with the exception of lead which yielded most values in excess of 50 ppm to a maximum of 622 ppm. One sample taken at southeastern most part of the lineament closest to the Hart Showing returned coincidentally elevated values for Au (79 ppb), Ag (19.6 g/t), Bi ( 79 ppm), Cu (216 ppm) and Pb (622 ppm).

### **Western Vein Target**

The most extensive work on the Prospector Mountain property was conducted in the early 1980's and focused exclusively on the peripheral vein targets in the western part of the claim block. Exploration consisted of bulldozer trenching and limited diamond drilling across recessive lineaments but was restricted primarily to the ridge tops. The success of this work was limited by extensive permafrost and deep weathering of the vein zones.

In spring 2009 a compilation of bulldozer trench locations and documented vein results was prepared for summer follow up (Figures 19-23). The first phase of this follow up work consisted





**TARSIS RESOURCES LTD.**  
 Figure 19  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TARGET TRENCH LOCATIONS**  
 PROSPECTOR MOUNTAIN PROPERTY WEST

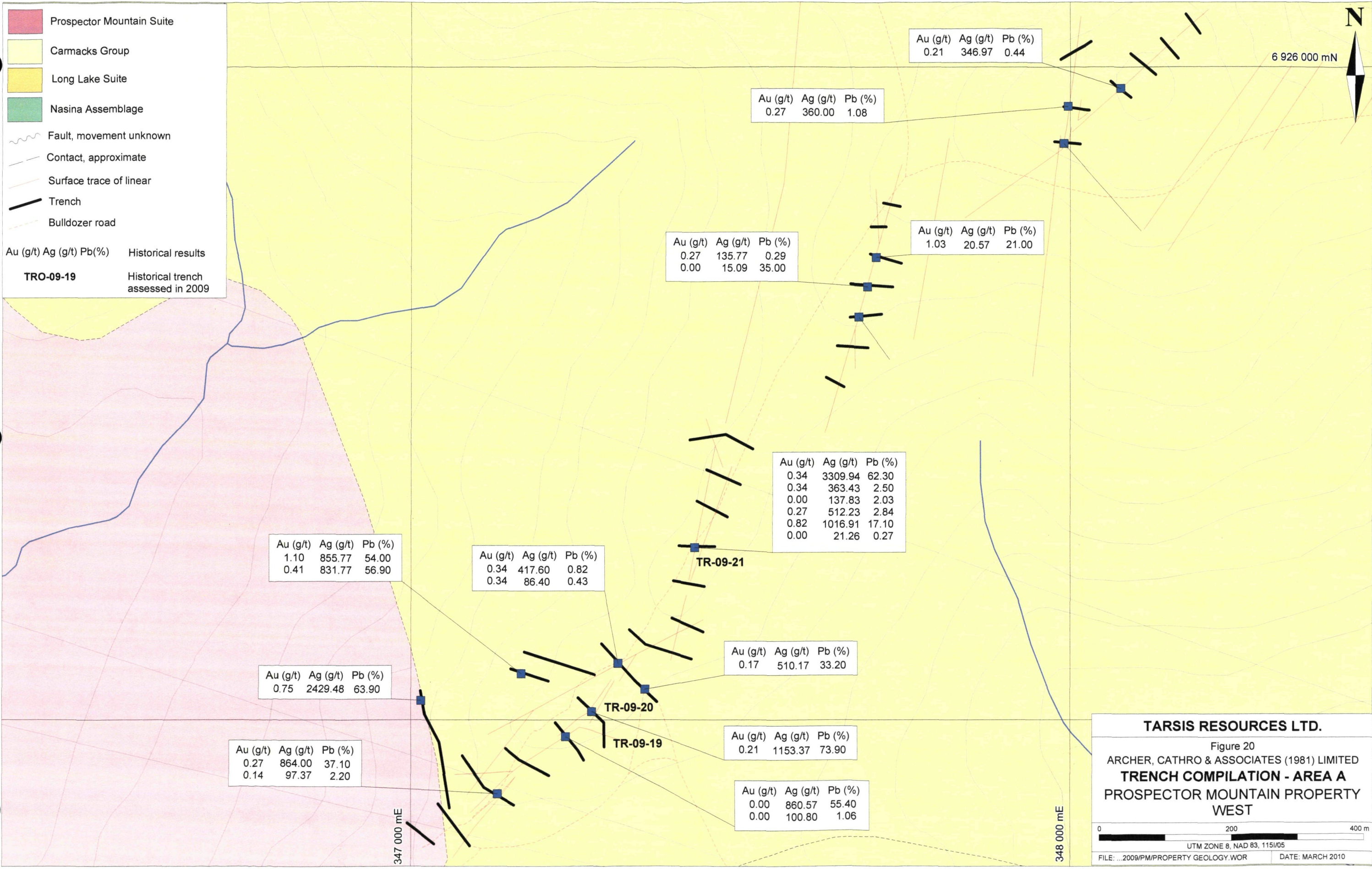
FILE: ...2009/PM/PROPERTY GEOLOGY.WOR      DATE: MARCH 2010



Prospector Mountain Suite  
 Carmacks Group  
 Long Lake Suite  
 Nasina Assemblage

Fault, movement unknown  
 Contact, approximate  
 Surface trace of linear  
 Trench  
 Bulldozer road

| Au (g/t)         | Ag (g/t) | Pb (%) | Historical results                 |
|------------------|----------|--------|------------------------------------|
| <b>TRO-09-19</b> |          |        | Historical trench assessed in 2009 |



| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 1.10     | 855.77   | 54.00  |
| 0.41     | 831.77   | 56.90  |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.34     | 417.60   | 0.82   |
| 0.34     | 86.40    | 0.43   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.75     | 2429.48  | 63.90  |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.27     | 864.00   | 37.10  |
| 0.14     | 97.37    | 2.20   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.27     | 135.77   | 0.29   |
| 0.00     | 15.09    | 35.00  |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.34     | 3309.94  | 62.30  |
| 0.34     | 363.43   | 2.50   |
| 0.00     | 137.83   | 2.03   |
| 0.27     | 512.23   | 2.84   |
| 0.82     | 1016.91  | 17.10  |
| 0.00     | 21.26    | 0.27   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.17     | 510.17   | 33.20  |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.21     | 1153.37  | 73.90  |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.00     | 860.57   | 55.40  |
| 0.00     | 100.80   | 1.06   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.21     | 346.97   | 0.44   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 1.03     | 20.57    | 21.00  |

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Figure 20  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TRENCH COMPILATION - AREA A**  
 PROSPECTOR MOUNTAIN PROPERTY WEST

0 200 400 m

UTM ZONE 8, NAD 83, 115I/05

FILE: ...2009/PM/PROPERTY GEOLOGY.WOR      DATE: MARCH 2010



Prospector Mountain Suite  
 Carmacks Group  
 Long Lake Suite  
 Nasina Assemblage  
 Fault, movement unknown  
 Contact, approximate  
 Surface trace of linear  
 Trench  
 Bulldozer road

| Au (g/t) Ag (g/t) Pb(%) | Historical results                 |
|-------------------------|------------------------------------|
| <b>TRO-09-06</b>        | Historical trench assessed in 2009 |



6 927 000 mN

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.21     | 77.49    | 2.00   |
| 1.03     | 352.46   | 5.00   |
| 0.27     | 77.49    | 1.70   |
| 0.10     | 67.20    | 1.38   |

TR-09-09

TR-09-07

TR-09-06

TR-09-09

TR-09-08

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 1.51     | 152.91   | 3.02   |
| 0.89     | 91.89    | 2.96   |
| 0.27     | 69.26    | 2.14   |
| 0.41     | 204.34   | 3.14   |
| 0.21     | 83.66    | 1.78   |

350 000 mE

**TARSIS RESOURCES LTD.**

Figure 21  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TRENCH COMPILATION - AREA B**  
 PROSPECTOR MOUNTAIN PROPERTY  
 WEST

UTM ZONE 8, NAD 83, 115I/05

FILE: ...2009/PM      DATE: MARCH 2010



Prospector Mountain Suite  
 Carmacks Group  
 Long Lake Suite  
 Nasina Assemblage  
 Fault, movement unknown  
 Contact, approximate  
 Surface trace of linear  
 Trench  
 Bulldozer road

| Au (g/t) Ag (g/t) Pb(%) | Historical results                 |
|-------------------------|------------------------------------|
| <b>TRO-09-02</b>        | Historical trench assessed in 2009 |

6 926 000 mN

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.65     | 7.54     | 0.81   |
| 1.44     | 325.71   | 31.80  |
| 0.89     | 41.83    | 4.06   |
| 0.27     | 22.63    | 1.84   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 1.23     | 8.23     | 0.49   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.89     | 31.54    | 0.84   |
| 0.96     | 882.51   | 79.10  |
| 6.93     | 14.40    | 28.30  |
| 1.65     | 28.11    | 1.87   |
| 0.48     | 10.29    | 0.98   |

| Au (g/t) | Ag (g/t) | Pb (%) |
|----------|----------|--------|
| 0.82     | 28.11    | 1.84   |
| 5.07     | 62.74    | 4.59   |

TR-09-01  
 TR-09-02  
 TR-09-03  
 TR-09-04  
 TR-09-05

350 000 mE

**TARSIS RESOURCES LTD.**

Figure 22  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TRENCH COMPILATION - AREA C**  
 PROSPECTOR MOUNTAIN PROPERTY WEST

UTM ZONE 8, NAD 83, 115I/05

FILE: ...2009/PM

DATE: MARCH 2010







of a half day traverse by ATV in July 2009 where four trenches were examined in the western part of the property from two of four main areas bulldozer trenched in the early 1980's. The vein zones were fully thawed and easily excavated by hand resulting in much better exposures for detail sampling and characterization of the veins. Individual samples yielded up to 17.35 g/t Au, 557 g/t Ag and 33.8% Pb. The following table lists weighted average grades for the sampled vein zones at Area C and Area D.

**Table II – July 2009 – West Vein Target Results**

| Area-Trench | Width (m) | Au (g/t) | Ag (g/t) | Pb (%) |
|-------------|-----------|----------|----------|--------|
| Area C      |           |          |          |        |
| Tr 01       | 0.67      | 2.86     | 506      | 30.7   |
| Tr 02       | 0.72      | 0.83     | 7.93     | 0.27   |
| Tr 03       | 0.83      | 2.99     | 54.89    | 2.27   |
| including   | 0.27      | 7.12     | 58.40    | 2.77   |
| Area D      |           |          |          |        |
| Tr 04       | 1.15      | 2.67     | 217      | 5.09   |
| including   | 0.15      | 17.35    | 557      | 24.49  |

*Note:* Due to time constraints only four of approximately 80 trenches were examined and none were traced along strike into the valley bottoms along the respective lineaments.

The positive response from this cursory inspection prompted a more thorough follow up in the western part of the property which commenced in August 2009 and was centered within a 9 km<sup>2</sup> block defining the historical bulldozer trenching.

Twenty-one trenches were selected for reassessment within four areas termed A through D. Selection of the trenches was based largely upon anomalous historical results. Vein zones were deepened by hand up to a metre below the original trenched surface, detail mapped and channel sampled. All samples were sent to ALS Chemex in North Vancouver, B.C. where samples were dried and fine crushed before a 250 gram split was pulverized to better than 85% passing 75 microns. Gold analyses were obtained by the Au-AA23 procedure that involves fire assay preparation using a 30 gram charge with an atomic absorption spectroscopy finish. Silver and lead values exceeding upper detection limits from ICP analyses were taken to completion by assay. Certificates of Analysis appear in Appendix II.

All veins examined are hosted by Late Cretaceous to early Tertiary Carmacks Suite volcanic rocks and are mostly associated with north to northeast trending recessive lineaments. The veins consist of steeply dipping highly sheared quartz and multi-colour clay gouge containing varying amounts of arsenic oxides and lead sulphide/sulphate. Table III highlights significant weighted average results from the sampled zones. Detail trench maps and sample documentation is contained in Appendix V.

**Table III – August 2009 – Western Vein Target Results**

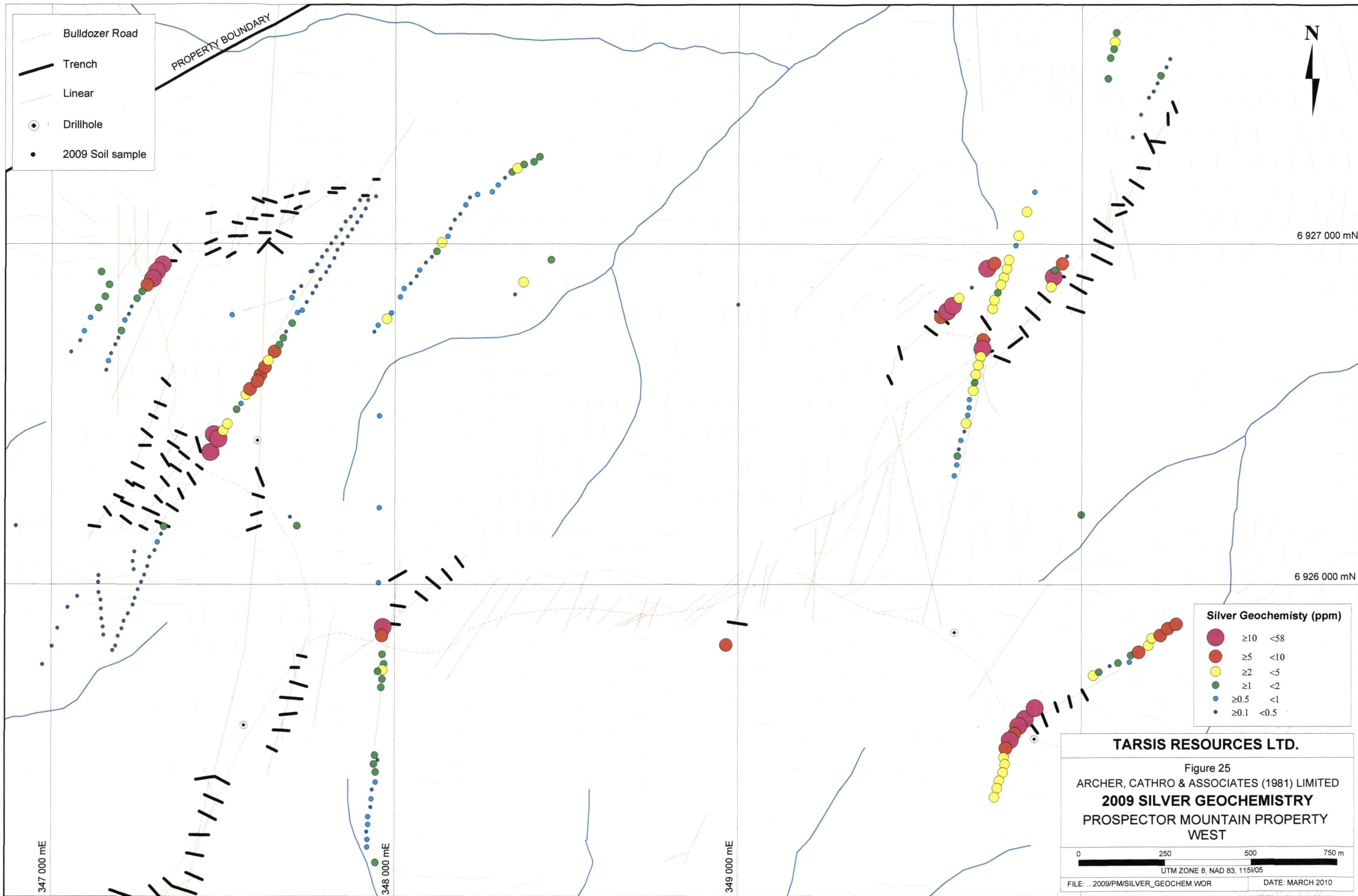
| Target | Trench           | Interval (m)* | Ag (g/t)    | Pb (%)       | Au (g/t)    |
|--------|------------------|---------------|-------------|--------------|-------------|
| Area A | Tr-09-19         | 0.39          | 39.3        | 1.88         | 0.03        |
|        | <i>including</i> | 0.13          | <b>101</b>  | <b>4.68</b>  | 0.04        |
|        | Tr-09-20         | 1.17          | <b>385</b>  | <b>11.23</b> | 0.04        |
|        | <i>including</i> | 0.67          | <b>599</b>  | <b>17.88</b> | 0.07        |
|        | Tr-09-21         | 2.10          | <b>659</b>  | <b>10.28</b> | 0.30        |
|        | <i>including</i> | 0.72          | <b>1840</b> | <b>28.78</b> | 0.70        |
| Area B | Tr-09-06         | 1.26          | 42.9        | 0.50         | 0.09        |
|        | Tr-09-09         | 2.82          | 35.6        | 0.68         | 0.21        |
|        | <i>including</i> | 1.00          | 91.0        | 1.40         | 0.48        |
|        |                  |               |             |              |             |
| Area C | Tr-09-01         | 0.71          | 23.7        | 0.97         | <b>1.01</b> |
|        | Tr-09-02         | 1.16          | <b>196</b>  | <b>7.03</b>  | 0.73        |
|        | Tr-09-03         | 0.70          | 11.9        | 0.39         | <b>1.32</b> |
|        | Tr-09-04         | 3.67          | 19.5        | 1.43         | 0.58        |
|        | <i>including</i> | 1.64          | 27.6        | 1.78         | 0.98        |
|        | <i>including</i> | 0.32          | 40.3        | 2.06         | <b>3.68</b> |
|        | Tr-09-05         | 0.54          | 58.9        | 2.38         | <b>2.02</b> |
|        |                  |               |             |              |             |
| Area D | Tr-09-11         | 1.99          | <b>139</b>  | <b>3.25</b>  | <b>1.13</b> |
|        | <i>including</i> | 0.99          | <b>250</b>  | <b>6.53</b>  | <b>2.25</b> |
|        | <i>including</i> | 0.17          | <b>613</b>  | <b>28.94</b> | <b>3.51</b> |
|        | Tr-09-12         | 0.50          | 79.1        | 2.07         | 0.43        |
|        | Tr-09-14         | 2.82          | <b>103</b>  | 0.76         | 0.42        |
|        | <i>including</i> | 1.00          | <b>231</b>  | 1.55         | <b>1.00</b> |
|        | Tr-09-17         | 1.73          | <b>148</b>  | 1.52         | 0.04        |

\* All reported intervals are true width

The 21 trenches selected for reassessment tested vein exposures associated with 11 of over 100 lineaments documented along the ridge tops. A series of auger soil sample lines were also located along 15 recessive lineaments beyond the limits of the historical bulldozer trenches off the ridge tops and down toward the valley bottoms. A total of 248 soil samples was collected and placed in a pre-numbered kraft paper bags. The sites were marked with orange flagging denoting the sample number in felt pen. All samples were sent to ALS Chemex in North Vancouver where they were dried and sieved to 80 mesh. Pulps were then subjected to aqua regia digestion and analysed for 35 elements using the ME-ICP41 technique. In addition, gold analyses were also performed on select samples yielding elevated gold indicator elements by fire assay and atomic absorption finish using a 30 gram charge. Sample locations are illustrated on Figure 24 while results for silver, lead and gold are shown on Figures 25-27. Certificates of Analysis are contained in Appendix II.







- Bulldozer Road
- Trench
- Linear
- Drillhole
- 2009 Soil sample

- Silver Geochemistry (ppm)**
- $\ge 10$  <math>< 58</math>
  - $\ge 5$  <math>< 10</math>
  - $\ge 2$  <math>< 5</math>
  - $\ge 1$  <math>< 2</math>
  - $\ge 0.5$  <math>< 1</math>
  - $\ge 0.1$  <math>< 0.5</math>

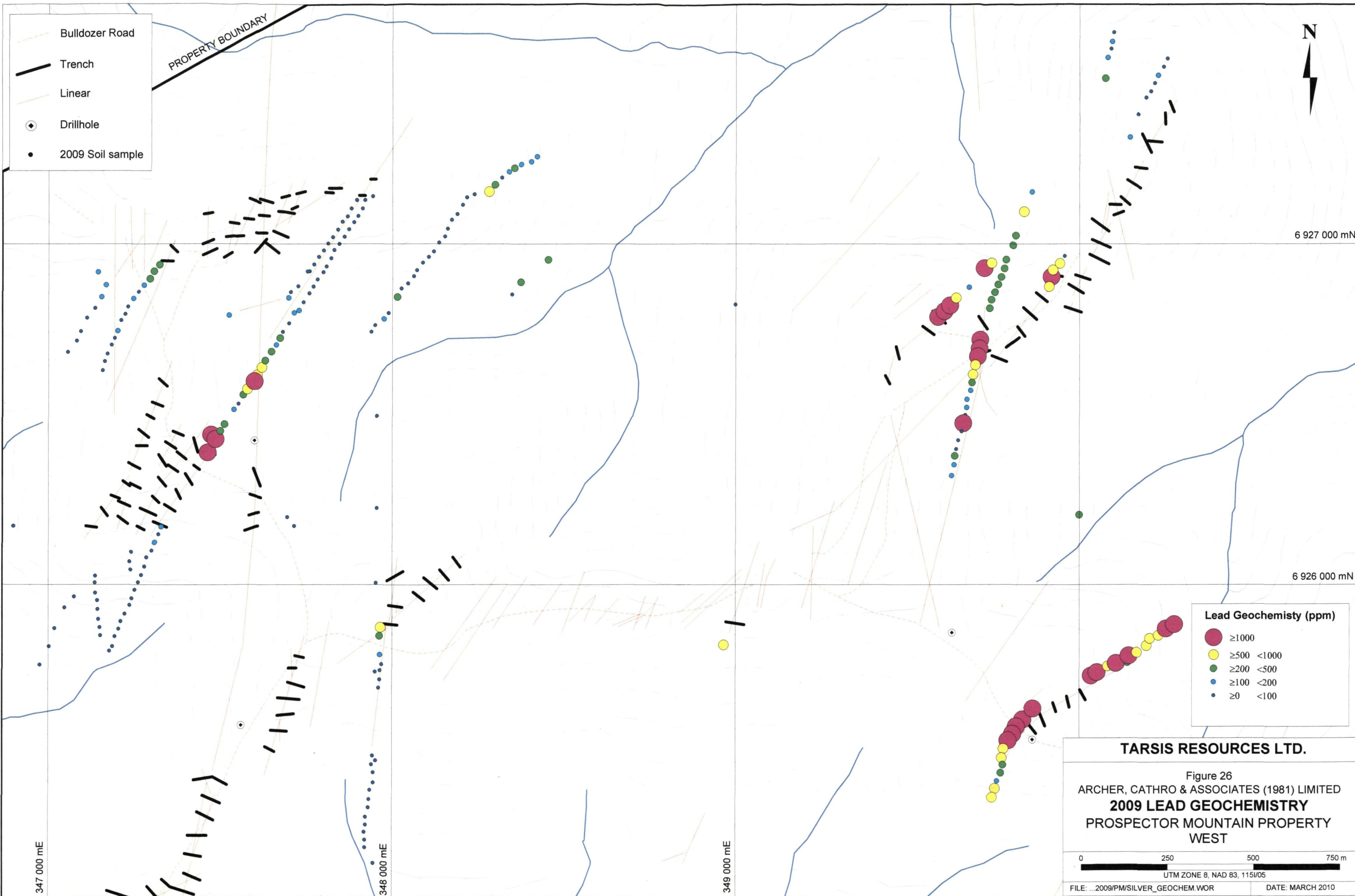
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Figure 25  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2009 SILVER GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY  
 WEST

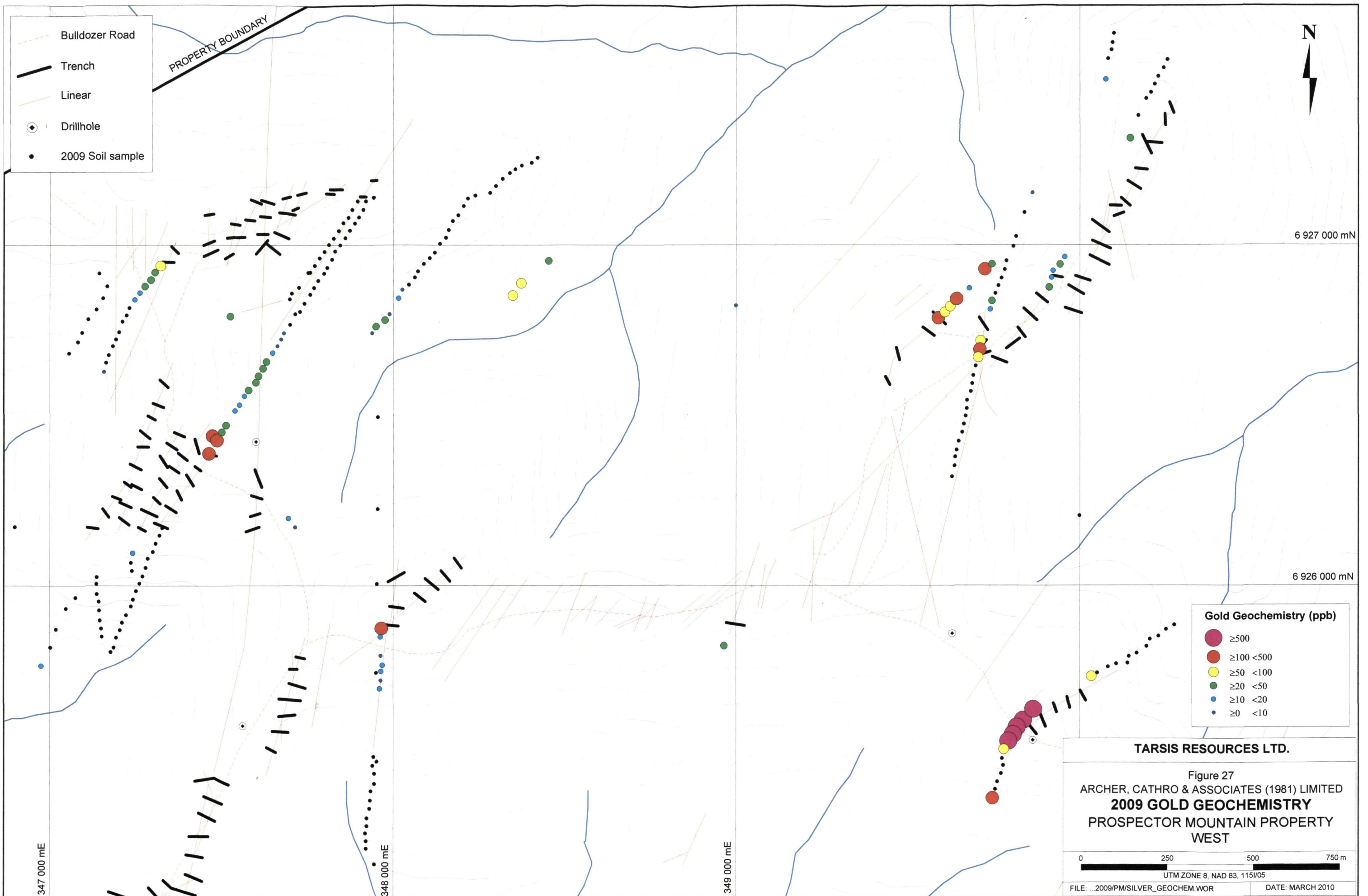
0 250 500 750 m

UTM ZONE 8, NAD 83, 1151/05

FILE: ...2009/PM/SILVER\_GEOCHEM.WOR DATE: MARCH 2010







- - - Bulldozer Road  
 — Trench  
 — Linear  
 ⊙ Drillhole  
 • 2009 Soil sample

**Gold Geochemistry (ppb)**

- ≥500
- ≥100 <500
- ≥50 <100
- ≥20 <50
- ≥10 <20
- ≥0 <10

**TARSIS RESOURCES LTD.**

Figure 27  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2009 GOLD GEOCHEMISTRY**  
 PROSPECTOR MOUNTAIN PROPERTY  
 WEST

0 250 500 750 m  
 UTM ZONE 8, NAD 83, 1151/05

FILE: ...2009/PM/SILVER\_GEOCHEM.WOR DATE: MARCH 2010

347 000 mE

348 000 mE

349 000 mE

6 927 000 mN

6 926 000 mN

PROPERTY BOUNDARY

The discovery drill hole at Ridgeway intersected two zones of high-grade porphyry stockwork mineralization grading 4.30 g/t Au and 1.20% Cu across 145 m and 7.40 g/t Au with 1.27% Cu across 84 m. The deposit resource stated as of June 30, 2009 was 152 Mt grading 0.77g/t Au and 0.39% Cu (Newcrest, 2010).

The mineralization discovered at the Prospector Mountain Bonanza Zone represents an exceptional new discovery that certainly demands follow up exploration. Its association with a potential porphyry target is poorly understood although a number of features within and immediately adjacent to the structural zone are typical porphyry alteration indicators. These features include: a localized core zone of moderate to intense potassic alteration; isolated sub gram (0.75 g/t) Au stockwork porphyry mineralization; patchy quartz-sericite-pyrite phyllic alteration; and isolated zones of intense hydrothermal quartz-magnetite veining. It is possible that the Bonanza Zone mineralization represents a structural overprint on a pre-existing porphyry system.

Airborne geophysical surveys flown over the region in 1995 included gamma ray spectrometry and magnetic surveys (Shives, 1995). The 10 km<sup>2</sup> area surrounding the existing claim block is marked by an intense potassium anomaly that likely characterizes both the Prospector Mountain Suite monzonite and the surrounding Carmacks Suite volcanic rocks. The outline of the monzonite is readily apparent in contrast with the surrounding volcanic rocks by an elevated thorium:potassium ratio which supports a more alkaline affinity of this particular intrusive suite. Typical "porphyry alteration" signatures denoted by potassium highs and coincidental thorium:potassium lows are not apparent within the claim block.

Additional work at Prospector Mountain should consist of excavator trenching across the Bonanza Zone structural corridor to define widths, geometries and continuity of the zones hosting the high-grade Au-Cu-Ag mineralization. A number of long trenches are required at strategic locations to test the entire width of the Bonanza Zone for sheeted vein zones and en echelon symmetries.

Detailed grid soil sampling should be implemented across the structural corridor as there is no systematic geochemical coverage in this part of the property. This sampling should also be extended along strike where collection of suitable soil is possible. Detailed alteration mapping is required to better define vectors for targeting porphyry potential and orientation-style induced polarization surveys may be considered. The blocky talus covered slopes covering much of the target area, however, may not be conducive to obtaining good quality data. Ground magnetic surveys are not recommended as there is likely too much high background interference given the concentrations of magmatic magnetite within the system which would mask areas defining hydrothermal magnetite veining.

Pending the success of the trenching program, diamond drilling is recommended to test the mineralized system at depth in context with porphyry potential at that time.



Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

A handwritten signature in black ink, appearing to read 'W.A. Wengzynowski', written in a cursive style.

W.A. Wengzynowski, P.Eng.



## REFERENCES

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Yukon Communities  
2010 [www.yukoncommunities.yk.ca](http://www.yukoncommunities.yk.ca)

**APPENDIX I**  
**STATEMENT OF QUALIFICATIONS**



## STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address at 301 Fairway Drive, North Vancouver, British Columbia, V7G 1L4 do hereby certify that:

1. I am President of Archer, Cathro & Associates (1981) Limited.
2. I graduated from the University of British Columbia in 1993 with a B.A.Sc in Geological Engineering, Option I, mineral and fuel exploration.
3. I registered as a Professional Engineer in the Province of British Columbia on December 12, 1998 (Licence Number 24119).
4. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory, Northwest Territories, northern British Columbia and Mexico.
5. I have personally participated in and supervised the fieldwork reported herein.



William A. Wengzynowski, B.A.Sc., P. Eng.

**APPENDIX II**  
**CERTIFICATES OF ANALYSIS**





Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: Archer, Cathro & Assoc. (1981) Ltd.  
1016 - 510 W. Hastings St.  
Vancouver BC V6B 1L8 Canada

Submitted By: Bill Wengzynowski  
Receiving Lab: Canada-Vancouver  
Received: October 01, 2009  
Report Date: October 08, 2009  
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN09004605 1

CLIENT JOB INFORMATION

Project: Prospector Mountain  
Shipment ID:  
P.O. Number  
Number of Samples: 17

SAMPLE DISPOSAL

RTRN-PLP Return  
RTRN-RJT Return

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

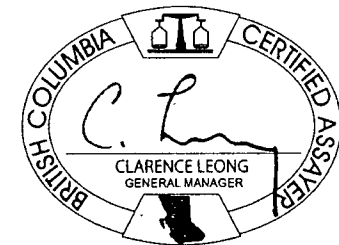
Invoice To: Archer, Cathro & Assoc. (1981) Ltd.  
1016 - 510 W. Hastings St.  
Vancouver BC V6B 1L8  
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description   | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--|--------------|---------------|-----|
| R200-250    | 17                | Crush, split and pulverize 250 g rock to 200 mesh          |              |               | VAN |
| XWSH        | 17                | Extra Wash with Glass between each sample                  |              |               | VAN |
| G6          | 17                | Au(4) Fire Assay-Lead Collection/AA Finish (low level) 1 A | 30           | Completed     | VAN |
| G6          | 8                 | Au(2) & Ag(1) Fire Assay-Lead Collection/Gravimetric Finis | 30           | Completed     | VAN |

ADDITIONAL COMMENTS



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



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1016 - 510 W. Hastings St.  
Vancouver BC V6B 1L8 Canada

Project: Prospector Mountain  
Report Date: October 08, 2009

Page: 2 of 2 Part 1

# CERTIFICATE OF ANALYSIS

VAN09004605.1

| Method | Analyte   | WGHT |        | G6    | G6    |
|--------|-----------|------|--------|-------|-------|
|        |           | Wgt  | Au(4)  | Au(2) | Au(2) |
| Unit   |           | kg   | gm/mt  | gm/mt |       |
| MDL    |           | 0.01 | 0.01   | 0.03  |       |
| PM-01  | Rock Chip | 0.54 | 0.01   |       |       |
| PM-02  | Rock Chip | 0.18 | 0.08   |       |       |
| PM-03  | Rock Chip | 0.31 | <0.010 |       |       |
| PM-04  | Rock Chip | 0.43 | 0.67   |       |       |
| PM-05  | Rock Chip | 0.54 | 0.02   |       |       |
| PM-06  | Rock Chip | 0.28 | >10    | 21.67 |       |
| PM-07  | Rock Chip | 0.55 | >10    | 81.20 |       |
| PM-08  | Rock Chip | 0.08 | >10    | 42.67 |       |
| PM-09  | Rock Chip | 0.51 | >10    | 55.97 |       |
| PM-10  | Rock Chip | 0.62 | 5.30   |       |       |
| PM-11  | Rock Chip | 0.97 | 0.28   |       |       |
| PM-12  | Rock Chip | 0.74 | 0.62   |       |       |
| PM-13  | Rock Chip | 1.05 | >10    | 21.07 |       |
| PM-14  | Rock Chip | 0.25 | 0.48   |       |       |
| PM-15  | Rock Chip | 0.29 | >10    | 53.07 |       |
| PM-16  | Rock Chip | 0.10 | >10    | 84.00 |       |
| PM-17  | Rock Chip | 0.21 | >10    | 8.53  |       |





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Vancouver BC V6B 1L8 Canada

Project: Prospector Mountain  
Report Date: October 08, 2009

Page: 1 of 1 Part 1

## QUALITY CONTROL REPORT

VAN09004605 1

| Method                  | WGHT       | G6    | G6        |
|-------------------------|------------|-------|-----------|
| Analyte                 | Wgt        | Au(4) | Au(2)     |
| Unit                    | kg         | gm/mt | gm/mt     |
| MDL                     | 0.01       | 0.01  | 0.03      |
| Pulp Duplicates         |            |       |           |
| PM-05                   | Rock Chip  | 0.54  | 0.02      |
| REP PM-05               | QC         |       | 0.02      |
| PM-10                   | Rock Chip  | 0.62  | 5.30      |
| REP PM-10               | QC         |       | 5.48      |
| PM-15                   | Rock Chip  | 0.29  | >10 53.07 |
| REP PM-15               | QC         |       | 58.27     |
| Reference Materials     |            |       |           |
| STD CDN-CGS-15          | QC         |       | 0.51      |
| STD CDN-HLHZ            | QC         |       | 1.20      |
| STD CDN-CGS-15 Expected |            |       | 0.57      |
| STD CDN-HLHZ Expected   |            |       | 1.31      |
| Prep Wash               |            |       |           |
| G1                      | Prep Blank | <0.01 | <0.010    |
| G1                      | Prep Blank | <0.01 | <0.010    |



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Page: 1

Finalized Date: 9-OCT-2009

Account: F

## CERTIFICATE VA09109527

Project: Prospector Mountain

P.O. No.:

This report is for 75 Soil samples submitted to our lab in Vancouver, BC, Canada on 5-OCT-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                   |
|----------|-------------------------------|
| FND-02   | Find Sample for Addn Analysis |

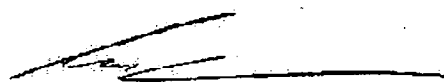
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION         | INSTRUMENT |
|----------|---------------------|------------|
| Au-AA23  | Au 30g FA-AA finish | AAS        |

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager





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Page: 2 - A  
Total # Pages: 3 (A)  
Finalized Date: 9-OCT-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09109527

| Sample Description | Method<br>Analyte<br>Units<br>LOR | Au-AA23<br>Au<br>ppm<br>0.005 |
|--------------------|-----------------------------------|-------------------------------|
| CC69251            |                                   | 0.019                         |
| CC69252            |                                   | 0.034                         |
| CC69253            |                                   | 2.01                          |
| CC69254            |                                   | 1.100                         |
| CC69255            |                                   | 0.863                         |
| CC69256            |                                   | 0.553                         |
| CC69257            |                                   | 0.072                         |
| CC69263            |                                   | 0.164                         |
| CC69264            |                                   | 3.37                          |
| CC69265            |                                   | 0.058                         |
| CC69285            |                                   | 0.009                         |
| CC69286            |                                   | 0.178                         |
| CC69287            |                                   | 0.065                         |
| CC69288            |                                   | 0.088                         |
| CC69289            |                                   | 0.301                         |
| CC69290            |                                   | 0.015                         |
| CC69291            |                                   | 0.378                         |
| CC69292            |                                   | 0.027                         |
| CC69293            |                                   | 0.051                         |
| CC69294            |                                   | 0.387                         |
| CC69295            |                                   | 0.084                         |
| CC69310            |                                   | 0.024                         |
| CC69311            |                                   | 0.018                         |
| CC69312            |                                   | 0.010                         |
| CC69313            |                                   | 0.042                         |
| CC69314            |                                   | 0.015                         |
| CC69327            |                                   | 0.026                         |
| CC69328            |                                   | 0.015                         |
| CC69329            |                                   | 0.273                         |
| CC69330            |                                   | 0.390                         |
| CC69331            |                                   | 0.174                         |
| CC69332            |                                   | 0.021                         |
| CC69333            |                                   | 0.022                         |
| CC69334            |                                   | 0.031                         |
| CC69335            |                                   | 0.013                         |
| CC69336            |                                   | 0.019                         |
| CC69337            |                                   | 0.018                         |
| CC69338            |                                   | 0.034                         |
| CC69339            |                                   | 0.049                         |
| CC69340            |                                   | 0.034                         |



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Page: 3 - A

Total # Pages: 3 (A)

Finalized Date: 9-OCT-2009

Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09109527

| Sample Description                                  | Method<br>Analyte<br>Units<br>LOR | Au-AA23<br>Au<br>ppm<br>0.005             |
|---|-----------------------------------|---|
| CC69341<br>CC69342<br>CC69343<br>CC69344<br>CC69345 |                                   | 0.042<br>0.044<br>0.013<br>0.006<br>0.009 |
| CC69346<br>CC69410<br>CC69411<br>CC69412<br>CC69413 |                                   | 0.006<br>0.012<br>0.111<br>0.017<br>0.035 |
| CC69414<br>CC69415<br>CC69416<br>CC69417<br>CC69418 |                                   | 0.008<br>0.010<br>0.015<br>0.008<br>0.013 |
| CC69438<br>CC69439<br>CC69440<br>CC69441<br>CC69442 |                                   | 0.055<br>0.032<br>0.029<br>0.022<br>0.018 |
| CC69443<br>CC69452<br>CC69453<br>CC69454<br>CC69455 |                                   | 0.012<br>0.008<br>0.006<br>0.036<br>0.031 |
| CC69456<br>CC69457<br>CC69458<br>CC69459<br>CC69014 |                                   | 0.008<br>0.006<br>0.015<br>0.005<br>0.013 |
| CC69015<br>CC69016<br>CC69017<br>CC69018<br>CC69019 |                                   | 0.008<br>0.013<br>0.063<br>0.085<br>0.023 |
|   |                                   |   |





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Page: 1  
Finalized Date: 21-SEP-2009  
Account: F

## CERTIFICATE VA09094852

Project: PROSPECTOR MTN

P.O. No.:

This report is for 27 Rock samples submitted to our lab in Vancouver, BC, Canada on 28-AUG-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-21   | Sample logging - ClientBarCode |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| Cu-OG46  | Ore Grade Cu - Aqua Regia      | VARIABLE   |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |
| Au-GRA21 | Au 30g FA-GRAV finish          | WST-SIM    |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Ag-OG46  | Ore Grade Ag - Aqua Regia      | VARIABLE   |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |
| Ag-GRA21 | Ag 30g FA-GRAV finish          | WST-SIM    |

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A  
Total # Pages: 2 (A - C)  
Finalized Date: 21-SEP-2009  
Account: F

Project: PROSPECTOR MTN

## CERTIFICATE OF ANALYSIS VA09094852

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-GRA21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au ppm   | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   |
| H886451            |                          | 0.80         | 0.007   |          | <0.2     | 0.17     | 4        | 30       | <0.5     | 2        | 0.13     | <0.5     | 3        | 8        | 3        |          |
| H886452            |                          | 0.38         | 0.021   |          | 1.7      | 0.10     | 41       | 60       | 0.7      | 3        | 0.11     | <0.5     | 74       | 10       | 36       |          |
| H886453            |                          | 0.54         | 0.008   |          | 0.3      | 0.37     | 12       | 30       | 0.8      | <2       | 0.16     | <0.5     | 3        | 9        | 3        |          |
| H886454            |                          | 0.64         | 0.797   |          | 0.4      | 0.10     | 31       | 40       | <0.5     | <2       | 0.02     | <0.5     | 33       | 11       | 4        |          |
| H886455            |                          | 0.78         | 0.010   |          | 1.8      | 0.21     | 10       | 80       | 0.7      | 14       | 0.02     | <0.5     | 8        | 7        | 19       |          |
| H886456            |                          | 0.24         | 0.242   |          | 1.0      | 0.44     | 42       | <10      | 50       | 0.7      | 4        | 0.14     | <0.5     | 1        | 2        | 56       |
| H886457            |                          | 0.50         | >10.0   | 25.0     | >100     | 0.34     | 482      | <10      | 30       | 0.9      | 4200     | 0.02     | 0.5      | 1        | 4        | 2180     |
| H886458            |                          | 0.78         | >10.0   | 84.4     | >100     | 0.36     | 171      | <10      | 20       | 2.8      | 7860     | 0.05     | 0.9      | 68       | 6        | >10000   |
| H886459            |                          | 0.32         | >10.0   | 27.7     | >100     | 0.27     | 977      | <10      | 10       | 1.1      | 5830     | 0.02     | 1.7      | 70       | 7        | >10000   |
| H886460            |                          | 0.82         | >10.0   | 75.1     | 86.6     | 0.33     | 166      | <10      | 20       | 1.5      | 2370     | 0.04     | 1.1      | 124      | 4        | 6010     |
| H886461            |                          | 2.56         | 0.799   |          | 5.6      | 0.51     | 21       | <10      | 30       | 1.2      | 44       | 0.13     | 0.7      | 10       | 6        | 1455     |
| H886462            |                          | 1.30         | 5.91    |          | 65.8     | 0.19     | >10000   | 10       | 30       | <0.5     | 158      | <0.01    | 36.2     | 2        | 3        | 3390     |
| H886463            |                          | 1.16         | 0.033   |          | 1.8      | 0.36     | 370      | 30       | 40       | 0.5      | 12       | 0.03     | <0.5     | 1        | 5        | 64       |
| H886464            |                          | 0.76         | 0.203   |          | 2.0      | 0.19     | 334      | 40       | 20       | <0.5     | 9        | 0.04     | <0.5     | 7        | 7        | 25       |
| H886465            |                          | 1.32         | 0.297   |          | >100     | 0.98     | 1065     | <10      | 30       | 1.8      | 603      | 0.12     | 11.9     | 12       | 4        | 2500     |
| H886466            |                          | 1.16         | 0.058   |          | 1.0      | 0.39     | 73       | <10      | 30       | <0.5     | 6        | 0.09     | <0.5     | 2        | 5        | 64       |
| H886467            |                          | 1.00         | 1.040   |          | 3.4      | 0.31     | 66       | 10       | 20       | 1.2      | 16       | 0.07     | <0.5     | 10       | 7        | 77       |
| H886468            |                          | 1.32         | >10.0   | 25.4     | 4.9      | 0.12     | 77       | 20       | 30       | 0.8      | 10       | 0.03     | <0.5     | 4        | 9        | 9        |
| H886469            |                          | 0.46         | 0.377   |          | 2.7      | 0.34     | 31       | 10       | 180      | 0.5      | 4        | 0.01     | <0.5     | 1        | 5        | 9        |
| H886470            |                          | 0.32         | 0.022   |          | 0.3      | 1.22     | 36       | 40       | 50       | 1.0      | <2       | 2.31     | 2.0      | 15       | 21       | 14       |
| H886471            |                          | 0.70         | 0.008   |          | 0.5      | 1.50     | 16       | <10      | 100      | 1.0      | <2       | 1.00     | <0.5     | 9        | 55       | 50       |
| H886472            |                          | 0.42         | 0.154   |          | 2.3      | 1.18     | 29       | <10      | 70       | 1.2      | <2       | 0.91     | <0.5     | 8        | 26       | 167      |
| H886473            |                          | 0.12         | >10.0   | 14.00    | >100     | 0.21     | 3490     | <10      | 70       | 3.5      | 1930     | 0.38     | 387      | 2        | 8        | >10000   |
| H886474            |                          | 0.52         | >10.0   | 58.4     | >100     | 0.12     | 2400     | <10      | 20       | 1.4      | 2660     | 0.16     | 186.0    | 11       | 3        | >10000   |
| H886475            |                          | 0.32         | >10.0   | 80.3     | >100     | 0.17     | 820      | 10       | 10       | 0.6      | >10000   | 0.01     | 1.6      | 3        | 3        | >10000   |
| H886476            |                          | 0.46         | 10.0    | 8.51     | >100     | 0.58     | 86       | <10      | 80       | 4.2      | 3410     | 0.06     | 0.7      | 24       | 14       | 5160     |
| H886477            |                          | 1.28         | 0.143   |          | 4.7      | 1.39     | 65       | <10      | 130      | 3.8      | 48       | 0.24     | 0.9      | 12       | 25       | 4390     |

Comments: An additional Au-GRA21 result for sample H886476 is 7.31ppm





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Finalized Date: 21-SEP-2009

Account: F

Project: PROSPECTOR MTN

**CERTIFICATE OF ANALYSIS VA09094852**

| Sample Description | Method                  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  |
|--------------------|-------------------------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|
|                    | Analyte<br>Units<br>LOR | Fe<br>%  | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm |
|                    |                         | 0.01     | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         |
| H886451            |                         | 2.07     | <10       | <1        | 0.09     | <10       | 0.02     | 160       | <1        | 0.01     | <1        | 530      | 6         | 0.01     | 2         | <1        |
| H886452            |                         | 3.95     | <10       | 1         | 0.01     | <10       | 0.03     | 167       | 1         | 0.01     | 5         | 500      | 4         | 0.08     | 8         | <1        |
| H886453            |                         | 2.96     | <10       | 1         | 0.16     | 20        | 0.04     | 227       | 1         | 0.01     | 1         | 530      | 9         | 0.01     | 7         | <1        |
| H886454            |                         | 3.44     | <10       | 1         | 0.08     | <10       | 0.01     | 61        | 13        | 0.01     | 1         | 390      | <2        | 0.63     | 2         | <1        |
| H886455            |                         | 7.87     | <10       | <1        | 0.08     | 10        | 0.02     | 97        | 4         | 0.01     | 1         | 220      | 206       | 0.01     | 5         | <1        |
| H886456            |                         | 5.70     | <10       | 1         | 0.15     | 10        | 0.04     | 42        | 6         | <0.01    | <1        | 630      | 31        | <0.01    | <2        | 1         |
| H886457            |                         | 15.4     | <10       | <1        | 0.23     | <10       | 0.01     | 37        | 30        | <0.01    | <1        | 950      | 1250      | 0.11     | 15        | <1        |
| H886458            |                         | 13.80    | <10       | <1        | 0.20     | 10        | 0.02     | 80        | 9         | <0.01    | 15        | 930      | 2250      | 0.04     | 29        | <1        |
| H886459            |                         | 25.1     | <10       | 1         | 0.12     | <10       | 0.01     | 15        | 256       | 0.01     | 16        | 2800     | 2400      | 0.11     | 232       | 1         |
| H886460            |                         | 14.7     | <10       | 1         | 0.22     | 10        | 0.03     | 40        | 20        | <0.01    | 28        | 670      | 1080      | 0.03     | 10        | <1        |
| H886461            |                         | 2.97     | <10       | <1        | 0.28     | 20        | 0.03     | 81        | 2         | 0.01     | <1        | 640      | 579       | 0.02     | 5         | 1         |
| H886462            |                         | 11.55    | <10       | 1         | 0.11     | <10       | <0.01    | 28        | 27        | 0.01     | <1        | 820      | 2860      | 1.27     | 328       | 3         |
| H886463            |                         | 1.97     | <10       | <1        | 0.25     | 30        | 0.02     | 54        | 28        | 0.01     | <1        | 220      | 14        | 0.79     | 2         | <1        |
| H886464            |                         | 1.56     | <10       | <1        | 0.15     | <10       | 0.02     | 50        | 13        | 0.01     | 2         | 280      | 17        | 0.86     | 3         | <1        |
| H886465            |                         | 3.45     | 10        | 1         | 0.20     | 20        | 0.18     | 416       | 62        | <0.01    | <1        | 510      | 2370      | 0.72     | 111       | 2         |
| H886466            |                         | 3.84     | 10        | 1         | 0.04     | <10       | 0.02     | 65        | 2         | 0.10     | 1         | 30       | 24        | 0.06     | 2         | 1         |
| H886467            |                         | 5.56     | <10       | 1         | 0.20     | 10        | 0.02     | 452       | 2         | <0.01    | <1        | 300      | 582       | 0.02     | 13        | <1        |
| H886468            |                         | 7.28     | <10       | <1        | 0.05     | 10        | 0.01     | 89        | 14        | 0.01     | <1        | 330      | 7         | 0.04     | 4         | <1        |
| H886469            |                         | 4.27     | <10       | 1         | 0.41     | 10        | 0.01     | 134       | 5         | 0.01     | <1        | 470      | 20        | 0.38     | 2         | <1        |
| H886470            |                         | 1.65     | <10       | 1         | 0.01     | 20        | 0.10     | 1015      | 6         | 0.01     | 8         | 2310     | 47        | 0.01     | 4         | 2         |
| H886471            |                         | 2.86     | 10        | <1        | 0.74     | 20        | 1.01     | 453       | 1         | 0.13     | 20        | 1910     | 25        | 0.01     | 2         | 4         |
| H886472            |                         | 4.00     | 10        | <1        | 0.32     | 20        | 0.65     | 805       | 4         | 0.13     | 14        | 2200     | 103       | 0.06     | 3         | 2         |
| H886473            |                         | 1.46     | 10        | 20        | 0.02     | 10        | 0.08     | 323       | 1         | 0.01     | 2         | 660      | 1695      | 0.04     | >10000    | 2         |
| H886474            |                         | 5.82     | <10       | 19        | 0.08     | <10       | 0.02     | 417       | 24        | <0.01    | <1        | 420      | 2340      | 0.12     | >10000    | 1         |
| H886475            |                         | 11.95    | <10       | <1        | 0.12     | <10       | 0.01     | 74        | 7         | <0.01    | <1        | 1070     | 1720      | 4.73     | 374       | 1         |
| H886476            |                         | 18.8     | <10       | 1         | 0.23     | 10        | 0.03     | 17850     | 25        | 0.01     | 6         | 2340     | 1570      | 0.07     | 60        | 2         |
| H886477            |                         | 16.2     | 10        | <1        | 0.18     | 10        | 0.44     | 10250     | 8         | 0.01     | 24        | 2180     | 38        | 0.04     | 11        | 5         |

Comments: An additional Au-GRA21 result for sample H886476 is 7.31ppm



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Finalized Date: 21-SEP-2009  
Account: F

Project: PROSPECTOR MTN

## CERTIFICATE OF ANALYSIS VA09094852

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Ag-GRA21 | Cu-OG46 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|---------|
|                    |                          | Sr ppm   | Th ppm   | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Ag ppm  | Ag ppm   | Cu %    |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 1       | 5        | 0.001   |
| H886451            |                          | 6        | <20      | 0.01     | <10      | <10      | 4        | 10       | 14       |         |          |         |
| H886452            |                          | 8        | <20      | <0.01    | <10      | 10       | 10       | <10      | 19       |         |          |         |
| H886453            |                          | 14       | 20       | 0.01     | <10      | <10      | 12       | <10      | 29       |         |          |         |
| H886454            |                          | 23       | <20      | <0.01    | <10      | 10       | 5        | 210      | 7        |         |          |         |
| H886455            |                          | 5        | <20      | 0.05     | <10      | <10      | 27       | 10       | 28       |         |          |         |
| H886456            |                          | 9        | <20      | 0.03     | <10      | <10      | 25       | 50       | 49       |         |          |         |
| H886457            |                          | 24       | <20      | 0.01     | <10      | 50       | 16       | 220      | 111      | 586     |          |         |
| H886458            |                          | 3        | <20      | <0.01    | <10      | 50       | 104      | 120      | 176      | 299     |          | 1.490   |
| H886459            |                          | 3        | <20      | <0.01    | <10      | 150      | 37       | 30       | 253      | 981     |          | 3.08    |
| H886460            |                          | 4        | <20      | <0.01    | <10      | 30       | 32       | 70       | 113      |         |          |         |
| H886461            |                          | 9        | 30       | <0.01    | <10      | 10       | 58       | 10       | 161      |         |          |         |
| H886462            |                          | 5        | <20      | <0.01    | <10      | 10       | 6        | <10      | 763      |         |          |         |
| H886463            |                          | 7        | 20       | <0.01    | <10      | <10      | 1        | <10      | 7        |         |          |         |
| H886464            |                          | 5        | <20      | <0.01    | <10      | <10      | 2        | 20       | 6        |         |          |         |
| H886465            |                          | 14       | 20       | <0.01    | <10      | 20       | 10       | <10      | 2230     | 118     |          |         |
| H886466            |                          | 33       | <20      | 0.02     | <10      | <10      | 21       | <10      | 28       |         |          |         |
| H886467            |                          | 11       | <20      | <0.01    | <10      | 10       | 20       | <10      | 70       |         |          |         |
| H886468            |                          | 55       | <20      | 0.01     | <10      | 30       | 19       | 720      | 17       |         |          |         |
| H886469            |                          | 139      | 20       | <0.01    | <10      | <10      | 4        | 10       | 23       |         |          |         |
| H886470            |                          | 104      | <20      | 0.16     | <10      | <10      | 51       | <10      | 161      |         |          |         |
| H886471            |                          | 83       | 30       | 0.24     | <10      | <10      | 95       | <10      | 73       |         |          |         |
| H886472            |                          | 34       | <20      | 0.21     | <10      | <10      | 134      | <10      | 287      |         |          |         |
| H886473            |                          | 29       | <20      | <0.01    | <10      | 140      | 42       | <10      | 2620     | 1340    |          | 11.65   |
| H886474            |                          | 27       | <20      | <0.01    | <10      | 30       | 19       | <10      | 505      | >1500   | 1375     | 7.38    |
| H886475            |                          | 5        | <20      | <0.01    | <10      | <10      | 8        | 230      | 43       | 888     |          | 5.97    |
| H886476            |                          | 150      | <20      | <0.01    | <10      | 10       | 38       | <10      | 201      | 136     |          |         |
| H886477            |                          | 135      | <20      | 0.01     | <10      | 10       | 76       | 10       | 245      |         |          |         |

Comments: An additional Au-GRA21 result for sample H886476 is 7.31ppm





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Finalized Date: 14-SEP-2009

Account: F

## CERTIFICATE VA09093601

Project: Prospector Mountain

P.O. No.:

This report is for 248 Soil samples submitted to our lab in Vancouver, BC, Canada on 27-AUG-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| SCR-41   | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| Pb-OG46  | Ore Grade Pb - Aqua Regia      | VARIABLE   |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager



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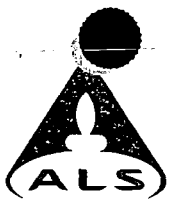
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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  |
|--------------------|--------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                          | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                          | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
| CC69251            |                          | 0.20            | 4.3       | 1.83     | 22        | <10      | 80        | 2.4       | <2        | 0.71     | 3.5       | 10        | 19        | 87        | 4.15     | 10        |
| CC69252            |                          | 0.24            | 4.4       | 1.63     | 30        | <10      | 190       | 2.2       | <2        | 0.71     | 2.5       | 9         | 17        | 165       | 3.50     | 10        |
| CC69253            |                          | 0.22            | 25.3      | 1.07     | 148       | <10      | 60        | 2.3       | 13        | 0.22     | 6.7       | 15        | 14        | 1630      | 5.23     | <10       |
| CC69254            |                          | 0.22            | 42.3      | 1.15     | 108       | <10      | 60        | 3.0       | 43        | 0.41     | 15.0      | 13        | 18        | 1170      | 4.95     | <10       |
| CC69255            |                          | 0.22            | 9.6       | 1.24     | 89        | <10      | 50        | 2.7       | 5         | 0.46     | 13.2      | 11        | 21        | 355       | 4.72     | <10       |
| CC69256            |                          | 0.18            | 11.9      | 1.14     | 90        | <10      | 60        | 2.6       | 5         | 0.37     | 18.1      | 11        | 19        | 495       | 4.94     | <10       |
| CC69257            |                          | 0.20            | 5.7       | 1.33     | 21        | <10      | 120       | 3.0       | 4         | 0.36     | 2.5       | 10        | 20        | 127       | 3.59     | <10       |
| CC69258            |                          | 0.18            | 4.3       | 1.20     | 49        | <10      | 50        | 2.2       | 3         | 0.31     | 4.9       | 6         | 22        | 161       | 4.15     | <10       |
| CC69259            |                          | 0.22            | 2.7       | 1.28     | 27        | <10      | 80        | 3.5       | <2        | 0.50     | 2.6       | 10        | 22        | 113       | 3.99     | <10       |
| CC69260            |                          | 0.22            | 2.6       | 1.54     | 49        | <10      | 70        | 3.0       | 3         | 0.59     | 1.7       | 8         | 26        | 68        | 3.93     | <10       |
| CC69261            |                          | 0.20            | 3.6       | 1.41     | 14        | <10      | 80        | 3.0       | 3         | 0.57     | 3.5       | 6         | 23        | 119       | 2.79     | <10       |
| CC69262            |                          | 0.20            | 4.2       | 1.73     | 41        | <10      | 90        | 3.2       | 5         | 0.57     | 3.8       | 10        | 35        | 141       | 3.78     | <10       |
| CC69263            |                          | 0.22            | 3.0       | 1.89     | 19        | <10      | 90        | 2.4       | 4         | 0.59     | 3.5       | 8         | 40        | 128       | 3.34     | <10       |
| CC69264            |                          | 0.28            | 32.2      | 0.69     | 147       | <10      | 40        | 2.4       | 11        | 0.20     | 16.4      | 9         | 12        | 1760      | 5.61     | <10       |
| CC69265            |                          | 0.18            | 3.2       | 1.80     | 34        | <10      | 60        | 2.1       | 3         | 0.27     | 2.3       | 6         | 28        | 188       | 3.85     | <10       |
| CC69266            |                          | 0.22            | 1.8       | 1.93     | 39        | <10      | 40        | 1.7       | 5         | 0.20     | 1.3       | 6         | 31        | 153       | 3.92     | 10        |
| CC69267            |                          | 0.22            | 0.4       | 1.70     | 24        | <10      | 50        | 1.7       | 3         | 0.24     | 1.2       | 8         | 29        | 80        | 3.47     | <10       |
| CC69268            |                          | 0.18            | 1.3       | 2.02     | 36        | <10      | 50        | 2.1       | 3         | 0.38     | 1.7       | 9         | 31        | 114       | 4.25     | 10        |
| CC69269            |                          | 0.14            | 0.9       | 0.70     | 19        | <10      | 30        | 0.5       | <2        | 0.11     | 1.1       | 5         | 14        | 35        | 1.99     | <10       |
| CC69270            |                          | 0.28            | 1.0       | 1.73     | 40        | <10      | 60        | 2.6       | 4         | 0.45     | 3.6       | 9         | 29        | 139       | 3.93     | <10       |
| CC69271            |                          | 0.18            | 5.4       | 1.74     | 33        | <10      | 70        | 2.5       | 5         | 0.57     | 4.2       | 7         | 29        | 134       | 3.33     | 10        |
| CC69272            |                          | 0.20            | 2.2       | 1.08     | 17        | <10      | 60        | 0.6       | 5         | 0.13     | 0.9       | 4         | 18        | 52        | 2.13     | 10        |
| CC69273            |                          | 0.14            | 4.7       | 1.35     | 26        | <10      | 70        | 2.0       | 4         | 0.49     | 6.5       | 6         | 21        | 169       | 2.60     | 10        |
| CC69274            |                          | 0.32            | 6.0       | 2.13     | 28        | <10      | 80        | 2.8       | 6         | 0.63     | 6.2       | 11        | 45        | 202       | 3.47     | 10        |
| CC69275            |                          | 0.32            | 7.6       | 1.96     | 40        | <10      | 70        | 3.2       | 8         | 0.60     | 9.6       | 12        | 40        | 242       | 4.03     | 10        |
| CC69276            |                          | 0.14            | 6.7       | 2.01     | 17        | <10      | 100       | 2.8       | 6         | 0.56     | 14.5      | 10        | 42        | 275       | 2.69     | 10        |
| CC69277            |                          | 0.30            | 1.9       | 1.48     | 20        | <10      | 120       | 2.4       | 4         | 0.79     | 4.1       | 12        | 24        | 101       | 3.94     | <10       |
| CC69278            |                          | 0.26            | 4.9       | 1.73     | 26        | <10      | 100       | 3.2       | 4         | 0.85     | 5.2       | 12        | 16        | 144       | 4.31     | <10       |
| CC69279            |                          | 0.24            | 4.6       | 1.65     | 23        | <10      | 120       | 2.6       | 4         | 0.71     | 4.1       | 10        | 21        | 157       | 4.00     | <10       |
| CC69280            |                          | 0.22            | 4.2       | 1.59     | 22        | <10      | 100       | 2.6       | 3         | 0.79     | 4.7       | 10        | 17        | 139       | 3.79     | <10       |
| CC69281            |                          | 0.16            | 4.0       | 1.33     | 15        | <10      | 90        | 1.5       | 2         | 0.55     | 1.2       | 8         | 19        | 76        | 2.95     | <10       |
| CC69282            |                          | 0.18            | 0.7       | 1.83     | 11        | <10      | 80        | 2.7       | 7         | 0.37     | 1.0       | 9         | 24        | 145       | 2.67     | 10        |
| CC69283            |                          | 0.28            | 2.0       | 1.81     | 13        | <10      | 80        | 1.7       | 8         | 0.67     | 1.1       | 11        | 28        | 91        | 3.74     | <10       |
| CC69284            |                          | 0.20            | 4.7       | 1.91     | 25        | <10      | 110       | 3.8       | 17        | 0.67     | 2.3       | 15        | 25        | 139       | 5.93     | <10       |
| CC69285            |                          | 0.18            | 0.6       | 1.16     | 9         | <10      | 80        | 1.1       | 6         | 0.29     | 1.8       | 5         | 24        | 59        | 2.31     | <10       |
| CC69286            |                          | 0.22            | 9.4       | 1.74     | 56        | <10      | 130       | 2.4       | 22        | 0.50     | 11.3      | 17        | 22        | 253       | 5.20     | <10       |
| CC69287            |                          | 0.20            | 20.4      | 2.46     | 49        | <10      | 310       | 2.2       | 10        | 0.61     | 13.4      | 9         | 42        | 241       | 3.89     | <10       |
| CC69288            |                          | 0.22            | 14.2      | 1.70     | 45        | <10      | 150       | 1.7       | 11        | 0.54     | 8.3       | 11        | 26        | 251       | 3.76     | <10       |
| CC69289            |                          | 0.26            | 2.8       | 1.97     | 20        | <10      | 120       | 2.4       | 4         | 0.63     | 14.3      | 14        | 29        | 121       | 4.02     | <10       |
| CC69290            |                          | 0.24            | 0.2       | 1.53     | 8         | <10      | 90        | 1.2       | 4         | 0.68     | 1.3       | 10        | 33        | 31        | 3.22     | <10       |





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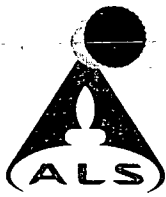
VANCOUVER BC V6B 1L8

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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method                  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  |           |
|--------------------|-------------------------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|
|                    | Analyte<br>Units<br>LOR | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm |
|                    |                         | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         | 1         | 20        |
| CC69251            |                         | <1        | 0.08     | 30        | 0.65     | 2990      | 1         | 0.02     | 13        | 1780     | 465       | 0.08     | 24        | 2         | 31        | <20       |
| CC69252            |                         | <1        | 0.11     | 30        | 0.63     | 2260      | 3         | 0.02     | 14        | 1830     | 350       | 0.14     | 30        | 3         | 106       | <20       |
| CC69253            |                         | 1         | 0.10     | 20        | 0.23     | 6840      | 28        | 0.01     | 10        | 2180     | >10000    | 0.18     | 38        | 2         | 55        | <20       |
| CC69254            |                         | 1         | 0.10     | 30        | 0.34     | 7870      | 14        | 0.01     | 17        | 2230     | >10000    | 0.05     | 32        | 3         | 74        | <20       |
| CC69255            |                         | <1        | 0.08     | 30        | 0.37     | 5370      | 4         | 0.01     | 17        | 2140     | 2470      | 0.03     | 28        | 2         | 65        | <20       |
| CC69256            |                         | 1         | 0.08     | 30        | 0.25     | 7670      | 7         | 0.01     | 16        | 1980     | 3280      | 0.05     | 39        | 2         | 55        | <20       |
| CC69257            |                         | <1        | 0.06     | 20        | 0.27     | 4370      | 4         | 0.01     | 14        | 1520     | 655       | 0.06     | 12        | 1         | 37        | <20       |
| CC69258            |                         | 1         | 0.08     | 20        | 0.23     | 2790      | 3         | 0.01     | 13        | 2200     | 987       | 0.10     | 15        | 1         | 30        | <20       |
| CC69259            |                         | 1         | 0.08     | 20        | 0.37     | 2670      | 2         | 0.01     | 17        | 1500     | 411       | 0.02     | 11        | 3         | 37        | <20       |
| CC69260            |                         | 1         | 0.07     | 30        | 0.49     | 1430      | 2         | 0.01     | 17        | 1650     | 215       | 0.04     | 5         | 3         | 35        | <20       |
| CC69261            |                         | 1         | 0.07     | 40        | 0.36     | 934       | 1         | 0.01     | 16        | 1420     | 191       | 0.04     | 5         | 3         | 38        | <20       |
| CC69262            |                         | 1         | 0.07     | 30        | 0.58     | 1670      | 2         | 0.01     | 23        | 1520     | 652       | 0.02     | 6         | 4         | 36        | <20       |
| CC69263            |                         | 1         | 0.08     | 30        | 0.66     | 991       | 2         | 0.01     | 24        | 1510     | 549       | 0.03     | 4         | 3         | 38        | <20       |
| CC69264            |                         | <1        | 0.16     | 20        | 0.20     | 6350      | 17        | 0.01     | 11        | 1870     | >10000    | 0.41     | 37        | 2         | 41        | <20       |
| CC69265            |                         | <1        | 0.08     | 20        | 0.45     | 945       | 4         | 0.01     | 16        | 1330     | 3900      | 0.10     | 6         | 2         | 26        | <20       |
| CC69266            |                         | <1        | 0.07     | 20        | 0.48     | 916       | 4         | 0.01     | 14        | 1050     | 2390      | 0.05     | 7         | 2         | 23        | <20       |
| CC69267            |                         | 1         | 0.05     | 10        | 0.44     | 1300      | 2         | 0.01     | 15        | 1400     | 888       | 0.06     | 4         | 1         | 17        | <20       |
| CC69268            |                         | 1         | 0.05     | 20        | 0.65     | 1680      | 3         | 0.01     | 17        | 1680     | 1290      | 0.02     | 8         | 3         | 24        | <20       |
| CC69269            |                         | <1        | 0.04     | 10        | 0.14     | 929       | 2         | 0.01     | 6         | 480      | 256       | <0.01    | 2         | 1         | 11        | <20       |
| CC69270            |                         | <1        | 0.07     | 20        | 0.61     | 1880      | 3         | 0.01     | 18        | 1870     | 1835      | 0.05     | 8         | 3         | 30        | <20       |
| CC69271            |                         | 1         | 0.06     | 30        | 0.67     | 1260      | 1         | 0.01     | 15        | 1560     | 911       | 0.03     | 7         | 4         | 37        | <20       |
| CC69272            |                         | <1        | 0.04     | 10        | 0.16     | 448       | 2         | <0.01    | 6         | 580      | 598       | <0.01    | 5         | 2         | 17        | <20       |
| CC69273            |                         | <1        | 0.05     | 40        | 0.38     | 1040      | 1         | 0.01     | 12        | 1230     | 565       | 0.06     | 6         | 2         | 39        | <20       |
| CC69274            |                         | 1         | 0.06     | 50        | 0.85     | 1710      | 1         | 0.01     | 24        | 1630     | 971       | 0.05     | 7         | 5         | 41        | <20       |
| CC69275            |                         | 1         | 0.06     | 40        | 0.72     | 3720      | 1         | 0.01     | 24        | 1640     | 1165      | 0.06     | 11        | 4         | 40        | <20       |
| CC69276            |                         | <1        | 0.04     | 60        | 0.67     | 2450      | 1         | 0.01     | 25        | 1540     | 1020      | 0.11     | 4         | 4         | 39        | <20       |
| CC69277            |                         | <1        | 0.09     | 40        | 0.65     | 3160      | 1         | 0.01     | 19        | 2070     | 405       | 0.03     | 22        | 4         | 46        | <20       |
| CC69278            |                         | <1        | 0.10     | 40        | 0.60     | 3860      | 1         | 0.01     | 17        | 2200     | 422       | 0.06     | 35        | 3         | 57        | <20       |
| CC69279            |                         | <1        | 0.10     | 40        | 0.61     | 2860      | 1         | 0.01     | 16        | 2020     | 450       | 0.05     | 35        | 3         | 54        | <20       |
| CC69280            |                         | <1        | 0.09     | 40        | 0.56     | 3030      | 1         | 0.01     | 14        | 2030     | 408       | 0.07     | 29        | 3         | 56        | <20       |
| CC69281            |                         | 1         | 0.07     | 30        | 0.37     | 1330      | 1         | 0.01     | 10        | 1450     | 264       | 0.11     | 19        | 2         | 44        | <20       |
| CC69282            |                         | <1        | 0.05     | 20        | 0.63     | 1330      | 1         | 0.02     | 16        | 1600     | 254       | 0.05     | 3         | 1         | 36        | <20       |
| CC69283            |                         | <1        | 0.04     | 20        | 0.94     | 1560      | 1         | 0.01     | 16        | 1980     | 389       | 0.01     | 8         | 3         | 57        | <20       |
| CC69284            |                         | <1        | 0.13     | 40        | 0.65     | 1890      | 1         | 0.03     | 16        | 2570     | 617       | 0.31     | 12        | 3         | 100       | <20       |
| CC69285            |                         | <1        | 0.03     | 10        | 0.33     | 437       | <1        | 0.01     | 10        | 1160     | 116       | 0.03     | 4         | 1         | 33        | <20       |
| CC69286            |                         | 1         | 0.18     | 40        | 0.60     | 4200      | 4         | 0.02     | 18        | 2280     | 1690      | 0.29     | 24        | 4         | 83        | <20       |
| CC69287            |                         | 1         | 0.08     | 30        | 0.61     | 1730      | 1         | 0.01     | 23        | 1640     | 2680      | 0.05     | 83        | 5         | 45        | <20       |
| CC69288            |                         | <1        | 0.09     | 30        | 0.51     | 1780      | 2         | 0.01     | 16        | 1900     | 4480      | 0.09     | 76        | 3         | 90        | <20       |
| CC69289            |                         | <1        | 0.08     | 30        | 0.83     | 3520      | 1         | 0.02     | 20        | 2070     | 747       | 0.07     | 18        | 4         | 68        | <20       |
| CC69290            |                         | <1        | 0.06     | 20        | 0.79     | 1240      | <1        | 0.02     | 18        | 1820     | 124       | 0.02     | 4         | 3         | 48        | <20       |



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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41     | ME-ICP41     | ME-ICP41    | ME-ICP41   | ME-ICP41    | ME-ICP41    | Pb-OG46       |
|--------------------|--------------------------|--------------|--------------|-------------|------------|-------------|-------------|---------------|
|                    |                          | Ti %<br>0.01 | Ti ppm<br>10 | U ppm<br>10 | V ppm<br>1 | W ppm<br>10 | Zn ppm<br>2 | Pb %<br>0.001 |
| CC69251            |                          | 0.01         | <10          | <10         | 60         | <10         | 706         |               |
| CC69252            |                          | 0.02         | <10          | <10         | 51         | <10         | 629         |               |
| CC69253            |                          | 0.01         | <10          | <10         | 40         | <10         | 2540        | 1.335         |
| CC69254            |                          | 0.02         | <10          | <10         | 48         | <10         | 3860        | 1.265         |
| CC69255            |                          | 0.02         | <10          | <10         | 55         | <10         | 3380        |               |
| CC69256            |                          | 0.02         | <10          | <10         | 54         | <10         | 3300        |               |
| CC69257            |                          | 0.02         | <10          | <10         | 51         | <10         | 645         |               |
| CC69258            |                          | 0.01         | <10          | <10         | 55         | <10         | 1440        |               |
| CC69259            |                          | 0.01         | <10          | <10         | 54         | <10         | 863         |               |
| CC69260            |                          | 0.02         | <10          | <10         | 55         | <10         | 554         |               |
| CC69261            |                          | 0.02         | <10          | <10         | 46         | <10         | 583         |               |
| CC69262            |                          | 0.03         | <10          | <10         | 60         | <10         | 926         |               |
| CC69263            |                          | 0.03         | <10          | <10         | 65         | <10         | 778         |               |
| CC69264            |                          | 0.02         | <10          | <10         | 35         | <10         | 4310        | 1.750         |
| CC69265            |                          | 0.03         | <10          | <10         | 69         | <10         | 1285        |               |
| CC69266            |                          | 0.04         | <10          | <10         | 78         | <10         | 736         |               |
| CC69267            |                          | 0.04         | <10          | <10         | 77         | <10         | 637         |               |
| CC69268            |                          | 0.04         | <10          | <10         | 84         | <10         | 1255        |               |
| CC69269            |                          | 0.05         | <10          | <10         | 56         | <10         | 268         |               |
| CC69270            |                          | 0.05         | <10          | <10         | 74         | <10         | 1725        |               |
| CC69271            |                          | 0.03         | <10          | <10         | 73         | <10         | 970         |               |
| CC69272            |                          | 0.05         | <10          | <10         | 66         | <10         | 246         |               |
| CC69273            |                          | 0.04         | <10          | <10         | 63         | <10         | 1160        |               |
| CC69274            |                          | 0.02         | <10          | <10         | 73         | <10         | 1660        |               |
| CC69275            |                          | 0.02         | <10          | <10         | 70         | <10         | 2070        |               |
| CC69276            |                          | 0.02         | <10          | <10         | 62         | <10         | 1430        |               |
| CC69277            |                          | 0.03         | <10          | <10         | 68         | <10         | 561         |               |
| CC69278            |                          | 0.01         | <10          | <10         | 56         | <10         | 820         |               |
| CC69279            |                          | 0.02         | <10          | <10         | 63         | <10         | 697         |               |
| CC69280            |                          | 0.02         | <10          | <10         | 57         | <10         | 703         |               |
| CC69281            |                          | 0.02         | <10          | <10         | 51         | <10         | 364         |               |
| CC69282            |                          | 0.04         | <10          | <10         | 57         | <10         | 205         |               |
| CC69283            |                          | 0.05         | <10          | <10         | 74         | <10         | 565         |               |
| CC69284            |                          | 0.02         | <10          | <10         | 82         | <10         | 763         |               |
| CC69285            |                          | 0.04         | <10          | <10         | 60         | <10         | 114         |               |
| CC69286            |                          | 0.03         | <10          | <10         | 63         | <10         | 1950        |               |
| CC69287            |                          | 0.06         | <10          | <10         | 66         | <10         | 2450        |               |
| CC69288            |                          | 0.04         | <10          | 10          | 63         | <10         | 1285        |               |
| CC69289            |                          | 0.05         | <10          | <10         | 77         | <10         | 1885        |               |
| CC69290            |                          | 0.07         | <10          | <10         | 76         | <10         | 331         |               |





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Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | WEI-21       | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| CC69291            |                          | 0.24         | 28.4     | 1.58     | 126      | <10      | 110      | 2.1      | 68       | 0.56     | 2.9      | 12       | 25       | 346      | 5.13     | <10      |
| CC69292            |                          | 0.22         | 5.4      | 1.81     | 24       | <10      | 210      | 2.8      | 11       | 0.43     | 4.9      | 30       | 18       | 154      | 4.52     | <10      |
| CC69293            |                          | 0.18         | 7.0      | 1.84     | 16       | <10      | 80       | 1.9      | 3        | 0.46     | 8.1      | 9        | 28       | 144      | 4.11     | 10       |
| CC69294            |                          | 0.18         | 49.3     | 1.60     | 144      | <10      | 90       | 2.4      | 15       | 0.54     | 17.1     | 10       | 23       | 1205     | 4.06     | <10      |
| CC69295            |                          | 0.20         | 3.0      | 1.45     | 30       | <10      | 90       | 1.2      | 5        | 0.35     | 2.4      | 8        | 26       | 98       | 3.97     | <10      |
| CC69296            |                          | 0.22         | 2.8      | 2.18     | 25       | <10      | 90       | 2.4      | 5        | 0.76     | 4.3      | 11       | 22       | 251      | 4.18     | <10      |
| CC69297            |                          | 0.18         | 4.7      | 1.59     | 15       | <10      | 110      | 1.1      | <2       | 0.36     | 2.8      | 7        | 30       | 50       | 3.06     | 10       |
| CC69298            |                          | 0.22         | 1.0      | 1.99     | 24       | <10      | 90       | 1.6      | 5        | 0.51     | 3.1      | 9        | 27       | 99       | 3.47     | 10       |
| CC69299            |                          | 0.18         | 2.5      | 2.23     | 21       | <10      | 100      | 2.5      | 4        | 0.84     | 0.7      | 7        | 32       | 188      | 3.33     | <10      |
| CC69300            |                          | 0.20         | 0.8      | 1.81     | 13       | <10      | 90       | 1.7      | 3        | 0.61     | 0.8      | 8        | 29       | 102      | 2.94     | <10      |
| CC69301            |                          | 0.16         | 0.7      | 1.85     | 13       | <10      | 90       | 1.7      | 3        | 0.53     | 1.3      | 8        | 29       | 119      | 2.74     | 10       |
| CC69302            |                          | 0.14         | 0.9      | 1.85     | 14       | <10      | 90       | 1.0      | 2        | 0.40     | 1.2      | 8        | 32       | 65       | 3.14     | 10       |
| CC69303            |                          | 0.16         | 3.5      | 2.36     | 27       | <10      | 80       | 1.9      | 4        | 0.43     | 2.8      | 9        | 35       | 121      | 3.53     | <10      |
| CC69304            |                          | 0.14         | 0.2      | 1.72     | 13       | <10      | 90       | 0.9      | <2       | 0.25     | 0.8      | 8        | 29       | 45       | 3.29     | 10       |
| CC69305            |                          | 0.18         | 0.6      | 1.43     | 9        | <10      | 80       | 1.1      | 4        | 0.41     | 0.6      | 7        | 26       | 58       | 2.54     | <10      |
| CC69306            |                          | 0.16         | <0.2     | 1.26     | 10       | <10      | 60       | 0.5      | 2        | 0.22     | 0.6      | 6        | 28       | 30       | 2.82     | <10      |
| CC69307            |                          | 0.20         | 1.6      | 1.82     | 15       | <10      | 110      | 1.8      | 5        | 0.59     | 0.6      | 8        | 26       | 87       | 2.82     | 10       |
| CC69308            |                          | 0.18         | 0.8      | 1.80     | 12       | <10      | 110      | 1.2      | 7        | 0.38     | 1.0      | 9        | 31       | 107      | 3.06     | 10       |
| CC69309            |                          | 0.26         | 0.5      | 1.96     | 12       | <10      | 110      | 1.8      | 3        | 0.72     | 0.7      | 9        | 27       | 122      | 3.71     | 10       |
| CC69310            |                          | 0.18         | 3.3      | 2.32     | 30       | <10      | 70       | 0.9      | 13       | 0.14     | 1.5      | 12       | 35       | 91       | 3.45     | <10      |
| CC69311            |                          | 0.18         | 16.0     | 2.49     | 17       | <10      | 60       | 2.2      | 66       | 0.36     | 5.1      | 13       | 29       | 352      | 4.12     | 10       |
| CC69312            |                          | 0.24         | 1.2      | 2.73     | 18       | <10      | 70       | 2.0      | 27       | 0.29     | 4.9      | 13       | 29       | 290      | 4.08     | 10       |
| CC69313            |                          | 0.16         | 7.1      | 2.11     | 33       | <10      | 60       | 1.4      | 16       | 0.30     | 1.2      | 9        | 29       | 535      | 3.59     | 10       |
| CC69314            |                          | 0.16         | <0.2     | 2.19     | 14       | <10      | 70       | 1.0      | 2        | 0.17     | <0.5     | 8        | 37       | 28       | 3.61     | 10       |
| CC69315            |                          | 0.14         | 1.2      | 1.59     | 13       | <10      | 100      | 1.5      | 9        | 0.39     | 0.9      | 8        | 21       | 45       | 3.47     | <10      |
| CC69316            |                          | 0.22         | 1.0      | 1.71     | 21       | <10      | 330      | 2.4      | 13       | 0.57     | 0.8      | 11       | 30       | 82       | 3.31     | <10      |
| CC69317            |                          | 0.18         | 1.6      | 2.32     | 28       | <10      | 240      | 2.4      | 17       | 0.48     | 1.2      | 19       | 23       | 41       | 5.36     | 10       |
| CC69318            |                          | 0.18         | 2.0      | 2.02     | 19       | <10      | 240      | 2.9      | 16       | 0.73     | 0.8      | 10       | 26       | 83       | 3.64     | 10       |
| CC69319            |                          | 0.14         | 1.3      | 1.61     | 13       | <10      | 160      | 1.3      | 11       | 0.32     | 0.8      | 7        | 25       | 47       | 2.95     | 10       |
| CC69320            |                          | 0.20         | <0.2     | 1.50     | 11       | <10      | 60       | 0.6      | 8        | 0.12     | <0.5     | 5        | 27       | 18       | 3.30     | 10       |
| CC69321            |                          | 0.18         | 0.3      | 2.08     | 7        | <10      | 110      | 2.2      | 11       | 0.65     | <0.5     | 9        | 22       | 26       | 3.43     | <10      |
| CC69322            |                          | 0.16         | <0.2     | 1.93     | 12       | <10      | 60       | 1.1      | 12       | 0.28     | <0.5     | 9        | 22       | 33       | 3.94     | <10      |
| CC69323            |                          | 0.22         | 1.1      | 2.15     | 15       | <10      | 80       | 1.4      | 46       | 0.35     | 0.5      | 9        | 27       | 215      | 3.80     | 10       |
| CC69324            |                          | 0.24         | 0.2      | 1.45     | 17       | <10      | 70       | 0.5      | 5        | 0.13     | 0.5      | 6        | 29       | 23       | 3.86     | 10       |
| CC69325            |                          | 0.20         | <0.2     | 1.71     | 17       | <10      | 90       | 0.9      | 13       | 0.15     | <0.5     | 7        | 30       | 41       | 3.74     | 10       |
| CC69326            |                          | 0.22         | <0.2     | 1.74     | 17       | <10      | 90       | 0.9      | 4        | 0.18     | 0.5      | 7        | 30       | 27       | 3.79     | 10       |
| CC69327            |                          | 0.20         | <0.2     | 1.88     | 5        | <10      | 160      | 2.7      | 4        | 0.63     | 0.6      | 8        | 24       | 29       | 3.23     | 10       |
| CC69328            |                          | 0.26         | 1.2      | 1.70     | 9        | <10      | 90       | 1.8      | 10       | 0.55     | 1.0      | 11       | 23       | 54       | 3.91     | 10       |
| CC69329            |                          | 0.26         | 20.7     | 0.95     | 523      | <10      | 110      | 1.4      | 7        | 0.11     | 4.7      | 6        | 29       | 307      | 7.86     | <10      |
| CC69330            |                          | 0.20         | 58.0     | 0.74     | 2360     | <10      | 110      | 1.4      | 70       | 0.16     | 6.7      | 1        | 8        | 562      | 4.63     | <10      |



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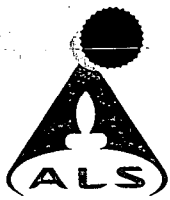
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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       |
| Units              |         | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |
| LOR                |         | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1        | 20       |
| CC69291            |         | <1       | 0.19     | 20       | 0.59     | 1230     | 3        | 0.03     | 12       | 2280     | 3880     | 0.51     | 105      | 3        | 81       | <20      |
| CC69292            |         | <1       | 0.10     | 30       | 0.40     | 2700     | 8        | 0.02     | 13       | 1970     | 512      | 0.17     | 17       | 2        | 270      | <20      |
| CC69293            |         | 1        | 0.09     | 30       | 0.77     | 1910     | 1        | 0.01     | 20       | 1970     | 1265     | 0.08     | 27       | 3        | 53       | <20      |
| CC69294            |         | 1        | 0.09     | 30       | 0.60     | 2360     | 5        | 0.02     | 18       | 2100     | >10000   | 0.18     | 683      | 3        | 56       | <20      |
| CC69295            |         | 1        | 0.17     | 20       | 0.49     | 1360     | 1        | 0.01     | 15       | 1530     | 1090     | 0.29     | 15       | 2        | 75       | <20      |
| CC69296            |         | 1        | 0.09     | 50       | 0.77     | 4660     | 2        | 0.01     | 18       | 2010     | 685      | 0.04     | 30       | 3        | 106      | <20      |
| CC69297            |         | 1        | 0.05     | 20       | 0.47     | 967      | 1        | 0.01     | 14       | 940      | 531      | 0.02     | 23       | 2        | 28       | <20      |
| CC69298            |         | 1        | 0.08     | 30       | 0.68     | 2060     | 1        | 0.01     | 15       | 1620     | 438      | 0.04     | 33       | 2        | 40       | <20      |
| CC69299            |         | 1        | 0.07     | 40       | 0.62     | 1140     | 1        | 0.02     | 15       | 1570     | 184      | 0.07     | 13       | 3        | 59       | <20      |
| CC69300            |         | 1        | 0.05     | 30       | 0.72     | 1020     | <1       | 0.01     | 19       | 1640     | 132      | 0.02     | 7        | 3        | 45       | <20      |
| CC69301            |         | 1        | 0.05     | 30       | 0.68     | 726      | <1       | 0.01     | 16       | 1080     | 137      | 0.03     | 7        | 3        | 42       | <20      |
| CC69302            |         | 1        | 0.05     | 20       | 0.63     | 601      | 1        | 0.01     | 19       | 1240     | 98       | 0.03     | 4        | 3        | 30       | <20      |
| CC69303            |         | <1       | 0.07     | 20       | 0.77     | 895      | 1        | 0.01     | 27       | 1340     | 1065     | 0.03     | 32       | 3        | 28       | <20      |
| CC69304            |         | <1       | 0.05     | 10       | 0.49     | 550      | 1        | 0.01     | 16       | 1060     | 67       | 0.05     | 2        | 2        | 22       | <20      |
| CC69305            |         | <1       | 0.04     | 20       | 0.50     | 579      | 1        | 0.01     | 17       | 1300     | 54       | 0.03     | 2        | 2        | 26       | <20      |
| CC69306            |         | <1       | 0.04     | 10       | 0.42     | 765      | 1        | 0.01     | 14       | 770      | 48       | 0.03     | <2       | 2        | 18       | <20      |
| CC69307            |         | <1       | 0.06     | 30       | 0.53     | 1140     | 1        | 0.02     | 16       | 1390     | 220      | 0.05     | 4        | 3        | 41       | <20      |
| CC69308            |         | <1       | 0.05     | 20       | 0.60     | 1200     | 1        | 0.01     | 20       | 1340     | 172      | 0.02     | 5        | 3        | 27       | <20      |
| CC69309            |         | <1       | 0.07     | 30       | 0.88     | 1270     | <1       | 0.01     | 20       | 1720     | 185      | 0.02     | 8        | 3        | 43       | <20      |
| CC69310            |         | <1       | 0.08     | 20       | 0.66     | 1280     | 2        | 0.01     | 25       | 670      | 790      | 0.07     | 5        | 3        | 30       | <20      |
| CC69311            |         | <1       | 0.07     | 30       | 0.94     | 2580     | 2        | 0.01     | 21       | 1300     | 1350     | 0.05     | 13       | 3        | 26       | <20      |
| CC69312            |         | 1        | 0.06     | 30       | 0.91     | 2860     | 1        | 0.01     | 21       | 1150     | 842      | 0.02     | 11       | 3        | 18       | <20      |
| CC69313            |         | <1       | 0.06     | 10       | 0.55     | 620      | 4        | 0.01     | 21       | 1100     | 883      | 0.04     | 25       | 3        | 17       | <20      |
| CC69314            |         | 1        | 0.04     | 10       | 0.57     | 430      | 1        | 0.01     | 19       | 440      | 54       | 0.03     | <2       | 3        | 16       | <20      |
| CC69315            |         | 1        | 0.07     | 20       | 0.52     | 1710     | 1        | 0.01     | 11       | 1660     | 413      | 0.10     | 6        | 2        | 45       | <20      |
| CC69316            |         | <1       | 0.05     | 20       | 0.56     | 1350     | 3        | 0.01     | 19       | 1700     | 162      | 0.03     | 5        | 3        | 149      | <20      |
| CC69317            |         | 1        | 0.14     | 20       | 0.61     | 2040     | 5        | 0.02     | 14       | 1720     | 98       | 0.18     | 8        | 3        | 148      | <20      |
| CC69318            |         | <1       | 0.07     | 30       | 0.57     | 1210     | 2        | 0.01     | 15       | 1680     | 124      | 0.05     | 8        | 3        | 147      | <20      |
| CC69319            |         | 1        | 0.06     | 10       | 0.41     | 607      | 3        | 0.01     | 14       | 1010     | 77       | 0.03     | 4        | 2        | 101      | <20      |
| CC69320            |         | 1        | 0.04     | 10       | 0.33     | 359      | 1        | <0.01    | 13       | 370      | 29       | 0.01     | 3        | 2        | 14       | <20      |
| CC69321            |         | <1       | 0.05     | 30       | 0.89     | 1800     | <1       | 0.01     | 14       | 1810     | 38       | 0.01     | 4        | 2        | 30       | <20      |
| CC69322            |         | 1        | 0.05     | 20       | 0.60     | 1690     | <1       | 0.01     | 12       | 940      | 63       | 0.01     | 5        | 1        | 23       | <20      |
| CC69323            |         | <1       | 0.06     | 20       | 0.56     | 1130     | <1       | 0.01     | 15       | 1260     | 138      | <0.01    | 5        | 2        | 27       | <20      |
| CC69324            |         | <1       | 0.06     | 10       | 0.36     | 623      | 2        | 0.01     | 15       | 610      | 20       | 0.03     | 3        | 2        | 14       | <20      |
| CC69325            |         | 1        | 0.04     | 10       | 0.44     | 676      | 3        | 0.01     | 18       | 710      | 82       | 0.06     | 4        | 2        | 25       | <20      |
| CC69326            |         | 1        | 0.05     | 10       | 0.53     | 707      | 1        | 0.02     | 18       | 720      | 85       | 0.05     | 4        | 2        | 19       | <20      |
| CC69327            |         | 1        | 0.07     | 30       | 0.66     | 1240     | 1        | 0.02     | 16       | 1810     | 165      | 0.06     | 5        | 3        | 36       | <20      |
| CC69328            |         | 1        | 0.07     | 30       | 0.72     | 2460     | 1        | 0.02     | 17       | 1660     | 255      | 0.02     | 11       | 4        | 27       | <20      |
| CC69329            |         | 1        | 0.31     | 20       | 0.21     | 1045     | 3        | 0.03     | 16       | 3070     | 3650     | 0.65     | 87       | 4        | 50       | <20      |
| CC69330            |         | 1        | 0.33     | 20       | 0.08     | 201      | 7        | 0.07     | 5        | 2410     | >10000   | 1.12     | 238      | 3        | 67       | <20      |





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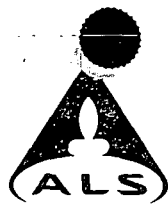


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Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                          | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Pb %    |
|                    |                          | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001   |
| CC69291            |                          | 0.04     | <10      | <10      | 68       | <10      | 764      |         |
| CC69292            |                          | 0.02     | <10      | 10       | 55       | <10      | 727      |         |
| CC69293            |                          | 0.05     | <10      | <10      | 74       | <10      | 1380     |         |
| CC69294            |                          | 0.04     | <10      | <10      | 65       | <10      | 1730     | 1.170   |
| CC69295            |                          | 0.04     | <10      | <10      | 64       | <10      | 361      |         |
| CC69296            |                          | 0.02     | <10      | <10      | 64       | <10      | 1150     |         |
| CC69297            |                          | 0.06     | <10      | <10      | 74       | <10      | 660      |         |
| CC69298            |                          | 0.03     | <10      | <10      | 71       | <10      | 998      |         |
| CC69299            |                          | 0.03     | <10      | <10      | 67       | <10      | 352      |         |
| CC69300            |                          | 0.04     | <10      | <10      | 69       | <10      | 237      |         |
| CC69301            |                          | 0.04     | <10      | <10      | 70       | <10      | 277      |         |
| CC69302            |                          | 0.07     | <10      | <10      | 73       | <10      | 181      |         |
| CC69303            |                          | 0.06     | <10      | <10      | 75       | <10      | 1160     |         |
| CC69304            |                          | 0.07     | <10      | <10      | 82       | <10      | 112      |         |
| CC69305            |                          | 0.05     | <10      | <10      | 65       | <10      | 109      |         |
| CC69306            |                          | 0.06     | <10      | <10      | 73       | <10      | 95       |         |
| CC69307            |                          | 0.04     | <10      | <10      | 62       | <10      | 150      |         |
| CC69308            |                          | 0.07     | <10      | <10      | 73       | <10      | 155      |         |
| CC69309            |                          | 0.04     | <10      | <10      | 76       | <10      | 281      |         |
| CC69310            |                          | 0.07     | <10      | <10      | 70       | <10      | 426      |         |
| CC69311            |                          | 0.04     | <10      | <10      | 81       | <10      | 1405     |         |
| CC69312            |                          | 0.04     | <10      | <10      | 81       | <10      | 699      |         |
| CC69313            |                          | 0.06     | <10      | <10      | 69       | <10      | 586      |         |
| CC69314            |                          | 0.10     | <10      | <10      | 88       | <10      | 91       |         |
| CC69315            |                          | 0.03     | <10      | <10      | 61       | <10      | 367      |         |
| CC69316            |                          | 0.05     | <10      | <10      | 75       | <10      | 167      |         |
| CC69317            |                          | 0.03     | <10      | <10      | 87       | <10      | 283      |         |
| CC69318            |                          | 0.03     | <10      | <10      | 81       | <10      | 180      |         |
| CC69319            |                          | 0.05     | <10      | <10      | 81       | <10      | 134      |         |
| CC69320            |                          | 0.09     | <10      | <10      | 97       | <10      | 69       |         |
| CC69321            |                          | 0.02     | <10      | <10      | 64       | <10      | 156      |         |
| CC69322            |                          | 0.03     | <10      | <10      | 69       | <10      | 150      |         |
| CC69323            |                          | 0.04     | <10      | <10      | 66       | <10      | 121      |         |
| CC69324            |                          | 0.09     | <10      | <10      | 90       | <10      | 71       |         |
| CC69325            |                          | 0.07     | <10      | <10      | 89       | <10      | 125      |         |
| CC69326            |                          | 0.05     | <10      | <10      | 89       | <10      | 160      |         |
| CC69327            |                          | 0.03     | <10      | <10      | 72       | <10      | 219      |         |
| CC69328            |                          | 0.05     | <10      | <10      | 64       | <10      | 477      |         |
| CC69329            |                          | 0.02     | <10      | <10      | 38       | <10      | 917      |         |
| CC69330            |                          | <0.01    | <10      | <10      | 24       | <10      | 918      | 1.880   |



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Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | WEI-21       | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| CC69331            |                          | 0.26         | 40.6     | 1.69     | 1030     | <10      | 60       | 2.0      | 26       | 0.18     | 3.3      | 32       | 27       | 458      | 5.65     | <10      |
| CC69332            |                          | 0.22         | 2.3      | 1.50     | 80       | <10      | 60       | 1.1      | 6        | 0.16     | 0.6      | 14       | 30       | 99       | 3.23     | 10       |
| CC69333            |                          | 0.24         | 3.8      | 1.95     | 95       | <10      | 60       | 1.0      | 5        | 0.16     | 0.5      | 10       | 27       | 116      | 3.48     | 10       |
| CC69334            |                          | 0.28         | 0.5      | 1.57     | 75       | <10      | 80       | 1.4      | 7        | 0.30     | 2.0      | 20       | 43       | 97       | 3.71     | 10       |
| CC69335            |                          | 0.30         | 1.0      | 1.79     | 76       | <10      | 80       | 1.4      | 4        | 0.28     | 1.1      | 17       | 47       | 93       | 3.56     | 10       |
| CC69336            |                          | 0.18         | 0.9      | 1.76     | 84       | <10      | 80       | 2.0      | 2        | 0.51     | 1.3      | 22       | 56       | 125      | 3.97     | 10       |
| CC69337            |                          | 0.24         | 2.0      | 1.84     | 142      | <10      | 70       | 1.1      | 3        | 0.25     | 0.9      | 15       | 47       | 89       | 3.44     | <10      |
| CC69338            |                          | 0.24         | 5.0      | 1.59     | 276      | <10      | 60       | 1.4      | 4        | 0.29     | 2.6      | 15       | 46       | 132      | 3.98     | <10      |
| CC69339            |                          | 0.26         | 5.4      | 1.86     | 302      | <10      | 80       | 1.5      | 4        | 0.26     | 2.8      | 32       | 50       | 136      | 4.00     | <10      |
| CC69340            |                          | 0.18         | 7.3      | 1.85     | 439      | <10      | 80       | 1.8      | 6        | 0.25     | 3.3      | 28       | 36       | 186      | 3.15     | <10      |
| CC69341            |                          | 0.22         | 7.2      | 1.76     | 528      | <10      | 70       | 2.1      | 8        | 0.27     | 4.3      | 15       | 28       | 206      | 3.11     | <10      |
| CC69342            |                          | 0.22         | 2.6      | 2.60     | 554      | <10      | 470      | 2.4      | 5        | 0.50     | 4.7      | 24       | 85       | 192      | 3.90     | 10       |
| CC69343            |                          | 0.22         | 5.1      | 2.90     | 202      | <10      | 190      | 2.1      | 5        | 0.75     | 6.0      | 25       | 100      | 186      | 4.57     | 10       |
| CC69344            |                          | 0.20         | 1.0      | 1.59     | 54       | <10      | 70       | 0.7      | <2       | 0.31     | 1.2      | 9        | 56       | 35       | 2.75     | 10       |
| CC69345            |                          | 0.24         | 1.1      | 2.34     | 44       | <10      | 80       | 1.2      | 3        | 0.31     | 1.0      | 9        | 71       | 61       | 3.72     | <10      |
| CC69346            |                          | 0.18         | <0.2     | 2.59     | 27       | <10      | 90       | 1.6      | 3        | 0.36     | 0.5      | 14       | 100      | 71       | 3.84     | 10       |
| CC69347            |                          | 0.20         | 1.2      | 1.91     | 30       | <10      | 90       | 1.0      | <2       | 0.42     | 0.8      | 10       | 71       | 75       | 3.34     | 10       |
| CC69348            |                          | 0.24         | 0.6      | 1.98     | 37       | <10      | 80       | 1.2      | <2       | 0.55     | 0.8      | 14       | 77       | 73       | 3.29     | 10       |
| CC69349            |                          | 0.22         | 0.5      | 2.00     | 18       | <10      | 80       | 0.9      | <2       | 0.33     | 0.5      | 10       | 70       | 37       | 3.27     | 10       |
| CC69350            |                          | 0.18         | <0.2     | 1.41     | 11       | <10      | 70       | <0.5     | 2        | 0.35     | <0.5     | 9        | 77       | 26       | 2.90     | 10       |
| CC69351            |                          | 0.18         | <0.2     | 1.97     | 19       | <10      | 100      | 0.8      | <2       | 0.35     | <0.5     | 11       | 75       | 38       | 3.40     | 10       |
| CC69352            |                          | 0.16         | <0.2     | 1.68     | 21       | <10      | 60       | 0.7      | 2        | 0.33     | <0.5     | 11       | 79       | 54       | 3.11     | 10       |
| CC69353            |                          | 0.20         | <0.2     | 1.72     | 7        | <10      | 80       | 0.5      | 2        | 0.28     | <0.5     | 9        | 71       | 28       | 3.25     | 10       |
| CC69354            |                          | 0.24         | <0.2     | 1.94     | 10       | <10      | 80       | 0.7      | 3        | 0.34     | <0.5     | 11       | 76       | 32       | 3.26     | 10       |
| CC69355            |                          | 0.20         | <0.2     | 2.37     | 16       | <10      | 90       | 0.8      | 2        | 0.33     | <0.5     | 12       | 85       | 44       | 4.13     | 10       |
| CC69356            |                          | 0.24         | 0.3      | 2.00     | 15       | <10      | 70       | 0.7      | <2       | 0.23     | <0.5     | 9        | 91       | 50       | 3.65     | 10       |
| CC69357            |                          | 0.18         | <0.2     | 1.87     | 22       | <10      | 70       | 0.6      | <2       | 0.23     | <0.5     | 10       | 61       | 38       | 3.20     | <10      |
| CC69358            |                          | 0.20         | <0.2     | 1.62     | 32       | <10      | 60       | 0.7      | 2        | 0.36     | <0.5     | 12       | 86       | 56       | 2.99     | 10       |
| CC69359            |                          | 0.20         | <0.2     | 2.01     | 24       | <10      | 80       | 1.0      | 2        | 0.26     | 0.5      | 14       | 78       | 64       | 3.24     | 10       |
| CC69360            |                          | 0.20         | <0.2     | 1.69     | 30       | <10      | 70       | 0.7      | 2        | 0.30     | <0.5     | 10       | 76       | 41       | 3.15     | 10       |
| CC69361            |                          | 0.20         | <0.2     | 2.32     | 24       | <10      | 60       | 0.8      | 4        | 0.20     | 0.5      | 11       | 50       | 35       | 3.38     | 10       |
| CC69362            |                          | 0.18         | <0.2     | 1.99     | 24       | <10      | 70       | 1.1      | <2       | 0.15     | <0.5     | 9        | 47       | 31       | 3.28     | 10       |
| CC69363            |                          | 0.18         | <0.2     | 2.14     | 17       | <10      | 90       | 1.2      | 4        | 0.24     | 0.6      | 13       | 54       | 49       | 2.90     | <10      |
| CC69364            |                          | 0.20         | <0.2     | 2.47     | 16       | <10      | 80       | 1.5      | 3        | 0.14     | 0.6      | 11       | 43       | 40       | 3.33     | 10       |
| CC69365            |                          | 0.24         | <0.2     | 2.93     | 14       | <10      | 110      | 1.7      | 2        | 0.24     | 0.6      | 11       | 37       | 23       | 3.33     | 10       |
| CC69366            |                          | 0.18         | 0.3      | 0.98     | 10       | <10      | 70       | 0.5      | 4        | 0.12     | <0.5     | 8        | 33       | 29       | 2.21     | <10      |
| CC69367            |                          | 0.22         | <0.2     | 0.79     | 5        | <10      | 30       | <0.5     | 2        | 0.13     | <0.5     | 4        | 14       | 20       | 0.96     | <10      |
| CC69368            |                          | 0.24         | <0.2     | 1.80     | 43       | <10      | 70       | 0.8      | 2        | 0.27     | 0.5      | 11       | 77       | 52       | 3.14     | 10       |
| CC69369            |                          | 0.16         | <0.2     | 1.79     | 39       | <10      | 60       | 0.6      | 4        | 0.24     | 0.7      | 10       | 84       | 37       | 3.25     | 10       |
| CC69370            |                          | 0.14         | <0.2     | 2.14     | 24       | <10      | 100      | 1.2      | 2        | 0.36     | 0.7      | 14       | 75       | 97       | 2.75     | 10       |





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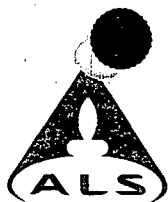
1016-510 W HASTINGS ST  
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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       |
| Units              |         | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |
| LOR                |         | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1        | 20       |
| CC69331            |         | 1        | 0.12     | 30       | 0.44     | 2490     | 6        | 0.03     | 19       | 2260     | 6620     | 0.35     | 193      | 4        | 33       | <20      |
| CC69332            |         | 1        | 0.05     | 20       | 0.35     | 1110     | 3        | 0.02     | 20       | 1580     | 259      | 0.13     | 2        | 1        | 18       | <20      |
| CC69333            |         | 1        | 0.05     | 20       | 0.44     | 650      | 3        | 0.02     | 15       | 1670     | 314      | 0.15     | 3        | 1        | 21       | <20      |
| CC69334            |         | 1        | 0.08     | 20       | 0.59     | 1015     | 2        | 0.02     | 29       | 1540     | 168      | 0.08     | 6        | 3        | 25       | <20      |
| CC69335            |         | 1        | 0.07     | 20       | 0.65     | 594      | 2        | 0.02     | 28       | 1500     | 123      | 0.08     | 4        | 3        | 28       | <20      |
| CC69336            |         | 1        | 0.09     | 20       | 0.68     | 987      | 3        | 0.02     | 36       | 1780     | 98       | 0.09     | 2        | 3        | 38       | <20      |
| CC69337            |         | 1        | 0.08     | 10       | 0.61     | 500      | 3        | 0.02     | 23       | 1450     | 207      | 0.09     | 10       | 2        | 29       | <20      |
| CC69338            |         | 1        | 0.09     | 10       | 0.55     | 763      | 6        | 0.02     | 23       | 1580     | 692      | 0.13     | 37       | 2        | 30       | <20      |
| CC69339            |         | 1        | 0.10     | 20       | 0.63     | 2480     | 7        | 0.02     | 22       | 1610     | 1210     | 0.13     | 46       | 3        | 32       | <20      |
| CC69340            |         | 1        | 0.07     | 20       | 0.46     | 1855     | 6        | 0.02     | 21       | 1440     | 832      | 0.12     | 21       | 2        | 43       | <20      |
| CC69341            |         | 1        | 0.08     | 20       | 0.37     | 1410     | 6        | 0.02     | 21       | 1390     | 686      | 0.13     | 30       | 1        | 52       | <20      |
| CC69342            |         | 1        | 0.19     | 20       | 1.06     | 1565     | 7        | 0.02     | 37       | 2010     | 319      | 0.08     | 19       | 4        | 180      | <20      |
| CC69343            |         | <1       | 0.21     | 20       | 1.40     | 1100     | 4        | 0.07     | 77       | 2090     | 294      | 0.12     | 28       | 3        | 210      | <20      |
| CC69344            |         | 1        | 0.15     | 10       | 0.78     | 340      | 1        | 0.02     | 44       | 1250     | 145      | 0.02     | 7        | 2        | 34       | <20      |
| CC69345            |         | 1        | 0.19     | 10       | 1.07     | 403      | 2        | 0.02     | 58       | 1260     | 253      | 0.04     | 6        | 3        | 37       | <20      |
| CC69346            |         | <1       | 0.27     | 10       | 1.36     | 604      | 2        | 0.02     | 71       | 1410     | 37       | 0.04     | 4        | 3        | 60       | <20      |
| CC69347            |         | <1       | 0.17     | 10       | 1.08     | 375      | 2        | 0.02     | 60       | 990      | 30       | 0.04     | 5        | 3        | 84       | <20      |
| CC69348            |         | 1        | 0.25     | 10       | 1.10     | 618      | 2        | 0.02     | 62       | 1820     | 115      | 0.03     | 5        | 3        | 56       | <20      |
| CC69349            |         | <1       | 0.30     | 10       | 1.09     | 465      | 1        | 0.02     | 65       | 1460     | 104      | 0.03     | 3        | 2        | 25       | <20      |
| CC69350            |         | 2        | 0.36     | 10       | 1.20     | 256      | 1        | 0.02     | 76       | 1010     | 10       | 0.02     | <2       | 1        | 22       | <20      |
| CC69351            |         | <1       | 0.28     | 10       | 1.26     | 617      | 2        | 0.02     | 73       | 1420     | 25       | 0.04     | <2       | 2        | 26       | <20      |
| CC69352            |         | <1       | 0.23     | 10       | 1.01     | 354      | 2        | 0.02     | 60       | 1200     | 19       | 0.04     | <2       | 2        | 33       | <20      |
| CC69353            |         | 1        | 0.32     | 10       | 1.13     | 383      | 1        | 0.02     | 70       | 1190     | 5        | 0.02     | <2       | 2        | 19       | <20      |
| CC69354            |         | 1        | 0.29     | 10       | 1.13     | 379      | 1        | 0.02     | 66       | 1490     | 8        | 0.02     | 6        | 2        | 19       | <20      |
| CC69355            |         | 1        | 0.15     | 10       | 1.20     | 413      | 2        | 0.02     | 67       | 700      | 82       | 0.02     | 3        | 3        | 29       | <20      |
| CC69356            |         | 1        | 0.22     | 10       | 1.13     | 344      | 2        | 0.02     | 71       | 820      | 44       | 0.03     | 4        | 2        | 18       | <20      |
| CC69357            |         | 1        | 0.13     | 10       | 0.78     | 365      | 1        | 0.02     | 45       | 830      | 22       | 0.03     | <2       | 2        | 17       | <20      |
| CC69358            |         | 1        | 0.28     | 10       | 1.00     | 339      | 1        | 0.02     | 60       | 1260     | 29       | 0.02     | 3        | 2        | 29       | <20      |
| CC69359            |         | 1        | 0.34     | 10       | 1.18     | 553      | 2        | 0.02     | 69       | 1040     | 22       | 0.04     | <2       | 2        | 27       | <20      |
| CC69360            |         | 1        | 0.29     | 10       | 1.03     | 452      | 2        | 0.02     | 59       | 1070     | 36       | 0.03     | 2        | 2        | 26       | <20      |
| CC69361            |         | <1       | 0.05     | 10       | 0.50     | 345      | 2        | <0.01    | 27       | 520      | 39       | <0.01    | 2        | 3        | 29       | <20      |
| CC69362            |         | <1       | 0.04     | 10       | 0.44     | 292      | 1        | <0.01    | 21       | 550      | 19       | 0.02     | 2        | 2        | 28       | <20      |
| CC69363            |         | <1       | 0.05     | 10       | 0.57     | 565      | 1        | 0.01     | 28       | 800      | 21       | 0.03     | 2        | 2        | 31       | <20      |
| CC69364            |         | <1       | 0.07     | 10       | 0.63     | 540      | 1        | 0.01     | 23       | 610      | 16       | 0.03     | 2        | 2        | 22       | <20      |
| CC69365            |         | <1       | 0.06     | 10       | 0.59     | 417      | 1        | 0.01     | 22       | 740      | 13       | 0.03     | <2       | 3        | 24       | <20      |
| CC69366            |         | 1        | 0.04     | 10       | 0.18     | 776      | 3        | 0.01     | 15       | 900      | 14       | 0.07     | <2       | 1        | 28       | <20      |
| CC69367            |         | <1       | 0.02     | <10      | 0.13     | 218      | <1       | 0.02     | 6        | 560      | 3        | <0.01    | 2        | 1        | 14       | <20      |
| CC69368            |         | 1        | 0.12     | 10       | 0.70     | 464      | 1        | 0.01     | 42       | 1040     | 17       | 0.01     | 2        | 2        | 29       | <20      |
| CC69369            |         | 1        | 0.12     | 10       | 0.68     | 366      | 1        | 0.01     | 46       | 880      | 37       | 0.02     | 3        | 2        | 28       | <20      |
| CC69370            |         | 1        | 0.28     | 10       | 1.14     | 385      | 1        | 0.02     | 71       | 1380     | 25       | 0.05     | 2        | 2        | 44       | <20      |



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Finalized Date: 14-SEP-2009

Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                          | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Pb %    |
|                    |                          | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001   |
| CC69331            |                          | 0.03     | <10      | <10      | 58       | <10      | 616      |         |
| CC69332            |                          | 0.03     | <10      | <10      | 51       | <10      | 156      |         |
| CC69333            |                          | 0.03     | <10      | <10      | 53       | <10      | 128      |         |
| CC69334            |                          | 0.08     | <10      | <10      | 67       | <10      | 198      |         |
| CC69335            |                          | 0.08     | <10      | <10      | 67       | <10      | 195      |         |
| CC69336            |                          | 0.05     | <10      | <10      | 65       | <10      | 261      |         |
| CC69337            |                          | 0.08     | <10      | <10      | 64       | <10      | 164      |         |
| CC69338            |                          | 0.07     | <10      | <10      | 63       | <10      | 226      |         |
| CC69339            |                          | 0.07     | <10      | <10      | 64       | <10      | 343      |         |
| CC69340            |                          | 0.04     | <10      | <10      | 50       | <10      | 408      |         |
| CC69341            |                          | 0.03     | <10      | <10      | 39       | <10      | 742      |         |
| CC69342            |                          | 0.08     | <10      | <10      | 78       | <10      | 642      |         |
| CC69343            |                          | 0.14     | <10      | <10      | 109      | <10      | 655      |         |
| CC69344            |                          | 0.15     | <10      | <10      | 76       | <10      | 185      |         |
| CC69345            |                          | 0.18     | <10      | <10      | 96       | <10      | 299      |         |
| CC69346            |                          | 0.17     | <10      | <10      | 101      | <10      | 156      |         |
| CC69347            |                          | 0.16     | <10      | <10      | 87       | <10      | 127      |         |
| CC69348            |                          | 0.15     | <10      | <10      | 84       | <10      | 177      |         |
| CC69349            |                          | 0.20     | <10      | <10      | 94       | <10      | 122      |         |
| CC69350            |                          | 0.28     | <10      | <10      | 98       | <10      | 63       |         |
| CC69351            |                          | 0.21     | <10      | <10      | 98       | <10      | 94       |         |
| CC69352            |                          | 0.16     | <10      | <10      | 87       | <10      | 68       |         |
| CC69353            |                          | 0.25     | <10      | <10      | 98       | <10      | 72       |         |
| CC69354            |                          | 0.23     | <10      | <10      | 99       | <10      | 66       |         |
| CC69355            |                          | 0.22     | <10      | <10      | 111      | <10      | 79       |         |
| CC69356            |                          | 0.25     | <10      | <10      | 110      | <10      | 102      |         |
| CC69357            |                          | 0.19     | <10      | <10      | 89       | <10      | 71       |         |
| CC69358            |                          | 0.21     | <10      | <10      | 88       | <10      | 94       |         |
| CC69359            |                          | 0.22     | <10      | <10      | 98       | <10      | 118      |         |
| CC69360            |                          | 0.19     | <10      | <10      | 98       | <10      | 97       |         |
| CC69361            |                          | 0.12     | <10      | <10      | 83       | <10      | 71       |         |
| CC69362            |                          | 0.10     | <10      | <10      | 82       | <10      | 60       |         |
| CC69363            |                          | 0.09     | <10      | <10      | 73       | <10      | 74       |         |
| CC69364            |                          | 0.13     | <10      | <10      | 95       | <10      | 86       |         |
| CC69365            |                          | 0.12     | <10      | <10      | 77       | <10      | 68       |         |
| CC69366            |                          | 0.05     | <10      | <10      | 65       | <10      | 47       |         |
| CC69367            |                          | 0.04     | <10      | <10      | 27       | <10      | 23       |         |
| CC69368            |                          | 0.15     | <10      | <10      | 87       | <10      | 88       |         |
| CC69369            |                          | 0.17     | <10      | <10      | 85       | <10      | 101      |         |
| CC69370            |                          | 0.18     | <10      | <10      | 84       | <10      | 125      |         |





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## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | WEI-21       | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Recvd Wt. kg | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm |
|                    |                          | 0.02         | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10     |
| CC69371            |                          | 0.20         | <0.2     | 2.26     | 44       | <10      | 80       | 0.7      | 2        | 0.32     | 0.8      | 19       | 85       | 71       | 3.28     | 10     |
| CC69372            |                          | 0.22         | <0.2     | 1.62     | 11       | <10      | 50       | 0.5      | 3        | 0.13     | 0.5      | 8        | 83       | 38       | 3.13     | 10     |
| CC69373            |                          | 0.20         | <0.2     | 2.30     | 11       | <10      | 90       | 0.7      | 3        | 0.39     | <0.5     | 15       | 86       | 55       | 3.18     | 10     |
| CC69374            |                          | 0.20         | <0.2     | 1.87     | 10       | <10      | 70       | 0.7      | <2       | 0.22     | 0.5      | 11       | 67       | 34       | 3.32     | 10     |
| CC69375            |                          | 0.24         | 0.2      | 1.92     | 13       | <10      | 90       | 0.7      | 2        | 0.29     | 0.5      | 10       | 68       | 44       | 3.06     | 10     |
| CC69376            |                          | 0.18         | <0.2     | 1.81     | 17       | <10      | 60       | 0.6      | <2       | 0.19     | 0.5      | 11       | 67       | 34       | 3.28     | 10     |
| CC69377            |                          | 0.16         | <0.2     | 1.53     | 11       | <10      | 50       | 0.5      | 3        | 0.18     | 0.5      | 8        | 60       | 30       | 2.96     | 10     |
| CC69378            |                          | 0.20         | <0.2     | 2.33     | 17       | <10      | 90       | 1.4      | 4        | 0.39     | 0.6      | 21       | 98       | 81       | 3.51     | 10     |
| CC69379            |                          | 0.20         | <0.2     | 2.68     | 24       | <10      | 110      | 1.5      | 3        | 0.43     | 0.6      | 19       | 119      | 80       | 3.87     | 10     |
| CC69380            |                          | 0.18         | 0.5      | 2.26     | 33       | <10      | 90       | 1.3      | 5        | 0.41     | 1.4      | 17       | 102      | 98       | 3.60     | 10     |
| CC69381            |                          | 0.20         | 1.0      | 1.82     | 63       | <10      | 80       | 1.5      | 5        | 0.20     | 2.0      | 9        | 48       | 54       | 3.47     | 10     |
| CC69382            |                          | 0.20         | 0.4      | 2.43     | 83       | <10      | 90       | 3.5      | 6        | 0.65     | 1.6      | 21       | 129      | 124      | 4.94     | 10     |
| CC69383            |                          | 0.24         | 0.5      | 1.92     | 64       | <10      | 110      | 2.1      | 4        | 0.37     | 1.9      | 18       | 67       | 67       | 3.64     | 10     |
| CC69384            |                          | 0.22         | <0.2     | 1.40     | 37       | <10      | 60       | 1.1      | 4        | 0.22     | 2.6      | 11       | 51       | 36       | 3.21     | <10    |
| CC69385            |                          | 0.16         | 0.3      | 1.56     | 16       | <10      | 70       | 0.7      | 3        | 0.13     | 0.7      | 5        | 31       | 20       | 2.56     | <10    |
| CC69386            |                          | 0.16         | 0.2      | 1.48     | 23       | <10      | 60       | 0.8      | 3        | 0.25     | 1.5      | 10       | 49       | 32       | 2.77     | <10    |
| CC69387            |                          | 0.14         | <0.2     | 0.82     | 11       | <10      | 60       | <0.5     | <2       | 0.09     | <0.5     | 5        | 23       | 13       | 1.91     | <10    |
| CC69388            |                          | 0.22         | <0.2     | 1.84     | 19       | <10      | 100      | 1.2      | 3        | 0.31     | 0.7      | 12       | 52       | 49       | 2.95     | <10    |
| CC69389            |                          | 0.22         | <0.2     | 2.29     | 22       | <10      | 160      | 2.5      | <2       | 0.62     | 2.8      | 17       | 92       | 88       | 3.62     | <10    |
| CC69390            |                          | 0.16         | <0.2     | 1.44     | 16       | <10      | 80       | 1.2      | 2        | 0.38     | 0.8      | 11       | 59       | 45       | 2.82     | <10    |
| CC69391            |                          | 0.14         | <0.2     | 1.97     | 23       | <10      | 100      | 1.7      | 2        | 0.32     | <0.5     | 12       | 50       | 52       | 2.99     | 10     |
| CC69392            |                          | 0.18         | <0.2     | 1.54     | 16       | <10      | 110      | 0.8      | 4        | 0.18     | 0.8      | 12       | 38       | 25       | 2.87     | 10     |
| CC69393            |                          | 0.26         | <0.2     | 1.78     | 18       | <10      | 90       | 1.1      | 4        | 0.41     | 0.6      | 13       | 64       | 35       | 3.11     | 10     |
| CC69394            |                          | 0.22         | <0.2     | 1.96     | 11       | <10      | 100      | 0.7      | 3        | 0.19     | 0.5      | 7        | 37       | 20       | 2.71     | 10     |
| CC69395            |                          | 0.14         | <0.2     | 1.02     | 12       | <10      | 60       | <0.5     | 3        | 0.11     | 0.5      | 4        | 22       | 15       | 2.11     | 10     |
| CC69396            |                          | 0.12         | 0.4      | 1.91     | 12       | <10      | 100      | 1.1      | 5        | 0.20     | 0.5      | 12       | 34       | 39       | 2.63     | <10    |
| CC69398            |                          | 0.18         | 0.3      | 2.07     | 18       | <10      | 130      | 1.1      | <2       | 0.33     | <0.5     | 10       | 43       | 43       | 3.25     | 10     |
| CC69399            |                          | 0.22         | <0.2     | 2.53     | 16       | <10      | 130      | 0.6      | <2       | 0.19     | <0.5     | 10       | 42       | 26       | 3.44     | 10     |
| CC69400            |                          | 0.22         | <0.2     | 1.94     | 13       | <10      | 90       | 0.7      | 6        | 0.24     | <0.5     | 9        | 45       | 28       | 3.32     | 10     |
| CC69401            |                          | 0.14         | <0.2     | 1.07     | 6        | <10      | 60       | <0.5     | <2       | 0.18     | <0.5     | 6        | 27       | 19       | 1.86     | <10    |
| CC69402            |                          | 0.22         | 0.2      | 2.26     | 17       | <10      | 120      | 0.9      | 2        | 0.28     | <0.5     | 12       | 46       | 30       | 3.48     | 10     |
| CC69403            |                          | 0.22         | 0.2      | 1.95     | 19       | <10      | 80       | 0.8      | 2        | 0.20     | <0.5     | 9        | 47       | 28       | 3.68     | 10     |
| CC69405            |                          | 0.26         | 0.2      | 2.36     | 15       | <10      | 110      | 0.8      | 2        | 0.24     | <0.5     | 13       | 44       | 29       | 3.23     | 10     |
| CC69406            |                          | 0.20         | <0.2     | 1.62     | 16       | <10      | 70       | <0.5     | <2       | 0.17     | <0.5     | 7        | 43       | 27       | 3.40     | 10     |
| CC69407            |                          | 0.22         | 0.2      | 1.74     | 12       | <10      | 90       | 0.6      | 2        | 0.18     | <0.5     | 8        | 40       | 34       | 3.20     | 10     |
| CC69408            |                          | 0.18         | 0.2      | 1.65     | 15       | <10      | 70       | 0.8      | 2        | 0.15     | <0.5     | 7        | 35       | 24       | 2.67     | 10     |
| CC69409            |                          | 0.24         | 0.4      | 1.80     | 19       | <10      | 90       | 1.3      | <2       | 0.23     | <0.5     | 11       | 47       | 38       | 2.94     | 10     |
| CC69410            |                          | 0.26         | <0.2     | 2.04     | 44       | <10      | 80       | 2.4      | 3        | 0.73     | 1.5      | 20       | 93       | 111      | 3.71     | 10     |
| CC69411            |                          | 0.26         | 20.2     | 1.77     | 52       | <10      | 90       | 2.3      | 29       | 0.30     | 2.7      | 11       | 28       | 238      | 4.75     | 10     |
| CC69412            |                          | 0.24         | 5.6      | 1.44     | 39       | <10      | 100      | 2.0      | 9        | 0.43     | 1.5      | 15       | 20       | 106      | 4.89     | 10     |



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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   |
| CC69371            | 1                        | 0.26     | 10       | 1.14     | 499      | 1        | 0.01     | 76       | 1110     | 20       | 0.01     | <2       | 3        | 23       | <20      |          |
| CC69372            | <1                       | 0.08     | 10       | 0.70     | 243      | 1        | 0.01     | 50       | 470      | 11       | 0.02     | 2        | 1        | 15       | <20      |          |
| CC69373            | 1                        | 0.30     | 10       | 1.24     | 367      | <1       | 0.01     | 76       | 1440     | 7        | 0.01     | 3        | 2        | 25       | <20      |          |
| CC69374            | <1                       | 0.20     | 10       | 0.93     | 344      | 1        | 0.01     | 61       | 790      | 8        | 0.01     | 2        | 2        | 19       | <20      |          |
| CC69375            | 1                        | 0.16     | 10       | 0.97     | 273      | 1        | 0.01     | 61       | 930      | 9        | 0.03     | <2       | 2        | 27       | <20      |          |
| CC69376            | 1                        | 0.12     | 10       | 0.76     | 250      | 1        | 0.01     | 49       | 670      | 13       | 0.01     | <2       | 2        | 18       | <20      |          |
| CC69377            | 1                        | 0.12     | 10       | 0.68     | 277      | 1        | 0.01     | 44       | 750      | 15       | 0.02     | <2       | 2        | 20       | <20      |          |
| CC69378            | 1                        | 0.31     | 10       | 1.29     | 590      | 1        | 0.01     | 80       | 1310     | 56       | 0.02     | 3        | 3        | 54       | <20      |          |
| CC69379            | <1                       | 0.32     | 10       | 1.54     | 615      | 1        | 0.01     | 92       | 1350     | 52       | 0.03     | 4        | 3        | 63       | <20      |          |
| CC69380            | 1                        | 0.23     | 10       | 1.16     | 392      | 2        | 0.01     | 70       | 1290     | 168      | 0.02     | 8        | 3        | 81       | <20      |          |
| CC69381            | <1                       | 0.05     | 10       | 0.47     | 450      | 2        | 0.01     | 22       | 890      | 145      | 0.08     | 7        | 2        | 26       | <20      |          |
| CC69382            | <1                       | 0.04     | 30       | 0.95     | 1300     | 2        | 0.01     | 51       | 2070     | 67       | 0.02     | 4        | 7        | 46       | <20      |          |
| CC69383            | <1                       | 0.05     | 10       | 0.61     | 1080     | 2        | 0.01     | 34       | 1460     | 126      | 0.04     | 6        | 3        | 38       | <20      |          |
| CC69384            | <1                       | 0.04     | 10       | 0.39     | 696      | 1        | 0.01     | 20       | 740      | 56       | 0.03     | 3        | 2        | 24       | <20      |          |
| CC69385            | 1                        | 0.03     | 10       | 0.22     | 257      | 1        | 0.01     | 12       | 600      | 32       | 0.03     | 2        | 1        | 16       | <20      |          |
| CC69386            | <1                       | 0.05     | 10       | 0.41     | 708      | 1        | 0.01     | 22       | 960      | 52       | 0.02     | 3        | 2        | 20       | <20      |          |
| CC69387            | <1                       | 0.04     | <10      | 0.12     | 627      | 2        | 0.01     | 7        | 660      | 11       | 0.02     | <2       | 1        | 13       | <20      |          |
| CC69388            | <1                       | 0.06     | 10       | 0.60     | 609      | 1        | 0.01     | 31       | 1130     | 28       | 0.02     | <2       | 3        | 24       | <20      |          |
| CC69389            | 1                        | 0.07     | 10       | 0.90     | 1480     | 1        | 0.01     | 44       | 1760     | 33       | 0.01     | 3        | 4        | 49       | <20      |          |
| CC69390            | <1                       | 0.06     | 10       | 0.61     | 496      | 1        | 0.01     | 28       | 1280     | 14       | 0.02     | 2        | 2        | 28       | <20      |          |
| CC69391            | <1                       | 0.05     | 10       | 0.64     | 716      | 1        | 0.02     | 28       | 1090     | 24       | 0.05     | <2       | 2        | 28       | <20      |          |
| CC69392            | <1                       | 0.05     | 10       | 0.34     | 824      | 1        | 0.01     | 17       | 770      | 15       | 0.05     | 2        | 1        | 23       | <20      |          |
| CC69393            | <1                       | 0.06     | 10       | 0.58     | 440      | 1        | 0.01     | 29       | 1390     | 13       | 0.01     | <2       | 2        | 25       | <20      |          |
| CC69394            | <1                       | 0.04     | 10       | 0.34     | 191      | 1        | 0.01     | 18       | 520      | 9        | 0.01     | <2       | 2        | 19       | <20      |          |
| CC69395            | <1                       | 0.04     | 10       | 0.17     | 131      | 1        | <0.01    | 10       | 440      | 8        | 0.01     | 2        | 2        | 17       | <20      |          |
| CC69396            | <1                       | 0.06     | 10       | 0.45     | 433      | 1        | 0.01     | 21       | 630      | 12       | 0.04     | <2       | 1        | 28       | <20      |          |
| CC69398            | 1                        | 0.07     | 10       | 0.57     | 458      | 1        | 0.02     | 26       | 1080     | 17       | 0.05     | <2       | 2        | 35       | <20      |          |
| CC69399            | 1                        | 0.05     | 10       | 0.52     | 346      | 1        | 0.02     | 28       | 560      | 13       | 0.02     | <2       | 3        | 19       | <20      |          |
| CC69400            | 1                        | 0.04     | 10       | 0.46     | 322      | 1        | 0.02     | 24       | 640      | 13       | 0.03     | <2       | 3        | 22       | <20      |          |
| CC69401            | <1                       | 0.04     | 10       | 0.28     | 175      | 1        | 0.03     | 15       | 540      | 9        | 0.03     | <2       | 1        | 30       | <20      |          |
| CC69402            | 1                        | 0.06     | 10       | 0.60     | 408      | 1        | 0.02     | 29       | 670      | 17       | 0.02     | <2       | 4        | 27       | <20      |          |
| CC69403            | <1                       | 0.04     | 10       | 0.43     | 315      | 2        | 0.02     | 22       | 460      | 21       | 0.02     | <2       | 3        | 26       | <20      |          |
| CC69405            | <1                       | 0.05     | 10       | 0.55     | 376      | 1        | 0.02     | 27       | 590      | 22       | 0.02     | <2       | 4        | 29       | <20      |          |
| CC69406            | <1                       | 0.04     | 10       | 0.43     | 221      | 1        | 0.02     | 19       | 450      | 12       | 0.03     | <2       | 3        | 21       | <20      |          |
| CC69407            | 1                        | 0.05     | 10       | 0.38     | 422      | 2        | 0.02     | 20       | 440      | 13       | 0.03     | <2       | 2        | 27       | <20      |          |
| CC69408            | <1                       | 0.03     | 10       | 0.32     | 261      | 1        | 0.02     | 15       | 560      | 16       | 0.03     | <2       | 2        | 18       | <20      |          |
| CC69409            | <1                       | 0.04     | 10       | 0.49     | 589      | 1        | 0.02     | 24       | 1000     | 19       | 0.06     | <2       | 2        | 21       | <20      |          |
| CC69410            | <1                       | 0.11     | 10       | 1.00     | 1040     | 2        | 0.02     | 48       | 2170     | 24       | 0.02     | 2        | 4        | 43       | <20      |          |
| CC69411            | 1                        | 0.07     | 30       | 0.63     | 1460     | 4        | 0.02     | 21       | 1270     | 602      | 0.09     | 78       | 3        | 27       | <20      |          |
| CC69412            | 1                        | 0.11     | 20       | 0.33     | 1420     | 5        | 0.02     | 20       | 1740     | 488      | 0.19     | 18       | 2        | 53       | <20      |          |





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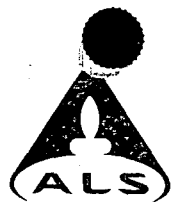
Finalized Date: 14-SEP-2009

Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Ti       | Ti       | U        | V        | W        | Zn       | Pb      |
|                    |                                   | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %       |
|                    |                                   | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001   |
| CC69371            |                                   | 0.21     | <10      | <10      | 90       | <10      | 106      |         |
| CC69372            |                                   | 0.23     | <10      | <10      | 100      | <10      | 48       |         |
| CC69373            |                                   | 0.21     | <10      | <10      | 91       | <10      | 60       |         |
| CC69374            |                                   | 0.23     | <10      | <10      | 99       | <10      | 59       |         |
| CC69375            |                                   | 0.18     | <10      | <10      | 92       | <10      | 59       |         |
| CC69376            |                                   | 0.21     | <10      | <10      | 99       | <10      | 47       |         |
| CC69377            |                                   | 0.19     | <10      | <10      | 91       | <10      | 51       |         |
| CC69378            |                                   | 0.19     | <10      | <10      | 95       | <10      | 97       |         |
| CC69379            |                                   | 0.19     | <10      | <10      | 105      | <10      | 137      |         |
| CC69380            |                                   | 0.18     | <10      | <10      | 91       | <10      | 153      |         |
| CC69381            |                                   | 0.07     | <10      | <10      | 70       | <10      | 245      |         |
| CC69382            |                                   | 0.03     | <10      | <10      | 91       | <10      | 287      |         |
| CC69383            |                                   | 0.08     | <10      | <10      | 73       | <10      | 357      |         |
| CC69384            |                                   | 0.10     | <10      | <10      | 73       | <10      | 214      |         |
| CC69385            |                                   | 0.07     | <10      | <10      | 65       | <10      | 81       |         |
| CC69386            |                                   | 0.10     | <10      | <10      | 68       | <10      | 204      |         |
| CC69387            |                                   | 0.09     | <10      | <10      | 61       | <10      | 42       |         |
| CC69388            |                                   | 0.09     | <10      | <10      | 67       | <10      | 139      |         |
| CC69389            |                                   | 0.06     | <10      | <10      | 78       | <10      | 405      |         |
| CC69390            |                                   | 0.09     | <10      | <10      | 67       | <10      | 87       |         |
| CC69391            |                                   | 0.07     | <10      | <10      | 72       | <10      | 83       |         |
| CC69392            |                                   | 0.07     | <10      | <10      | 81       | <10      | 59       |         |
| CC69393            |                                   | 0.10     | <10      | <10      | 73       | <10      | 64       |         |
| CC69394            |                                   | 0.10     | <10      | <10      | 71       | <10      | 49       |         |
| CC69395            |                                   | 0.11     | <10      | <10      | 73       | <10      | 30       |         |
| CC69396            |                                   | 0.06     | <10      | <10      | 58       | <10      | 50       |         |
| CC69398            |                                   | 0.09     | <10      | <10      | 72       | <10      | 66       |         |
| CC69399            |                                   | 0.12     | <10      | <10      | 84       | <10      | 56       |         |
| CC69400            |                                   | 0.12     | <10      | <10      | 81       | <10      | 52       |         |
| CC69401            |                                   | 0.08     | <10      | <10      | 45       | <10      | 34       |         |
| CC69402            |                                   | 0.12     | <10      | <10      | 77       | <10      | 61       |         |
| CC69403            |                                   | 0.12     | <10      | <10      | 83       | <10      | 59       |         |
| CC69405            |                                   | 0.12     | <10      | <10      | 77       | <10      | 63       |         |
| CC69406            |                                   | 0.13     | <10      | <10      | 87       | <10      | 39       |         |
| CC69407            |                                   | 0.10     | <10      | <10      | 83       | <10      | 53       |         |
| CC69408            |                                   | 0.08     | <10      | <10      | 66       | <10      | 54       |         |
| CC69409            |                                   | 0.06     | <10      | <10      | 64       | <10      | 83       |         |
| CC69410            |                                   | 0.07     | <10      | <10      | 80       | <10      | 363      |         |
| CC69411            |                                   | 0.02     | <10      | <10      | 61       | <10      | 503      |         |
| CC69412            |                                   | 0.01     | <10      | <10      | 54       | <10      | 463      |         |



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## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | WEI-21    | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    | Recvd Wt. | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       | Ga       |          |
|                    | kg        | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      |          |
|                    | 0.02      | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |          |
| CC69413            | 0.22      | 8.5      | 1.45     | 47       | <10      | 120      | 1.9      | 16       | 0.41     | 2.0      | 12       | 21       | 295      | 4.59     | <10      |          |
| CC69414            | 0.20      | 1.5      | 1.77     | 25       | <10      | 90       | 1.4      | 4        | 0.40     | 1.3      | 11       | 31       | 72       | 4.35     | 10       |          |
| CC69415            | 0.18      | 1.3      | 1.34     | 18       | <10      | 60       | 0.6      | 9        | 0.14     | 0.5      | 6        | 27       | 60       | 3.31     | 10       |          |
| CC69416            | 0.16      | 3.1      | 1.40     | 14       | <10      | 90       | 1.0      | 4        | 0.36     | <0.5     | 7        | 32       | 132      | 2.75     | 10       |          |
| CC69417            | 0.20      | 1.2      | 1.53     | 11       | <10      | 80       | 0.8      | 3        | 0.23     | 0.6      | 7        | 27       | 53       | 2.83     | 10       |          |
| CC69418            | 0.24      | 1.0      | 1.70     | 18       | <10      | 60       | 0.9      | 3        | 0.30     | 0.5      | 8        | 30       | 63       | 3.36     | 10       |          |
| CC69419            | 0.18      | 1.3      | 1.68     | 21       | <10      | 80       | 1.3      | 3        | 0.44     | <0.5     | 9        | 33       | 72       | 3.29     | 10       |          |
| CC69420            | 0.20      | 0.8      | 1.45     | 14       | <10      | 70       | 1.0      | <2       | 0.25     | 0.5      | 6        | 28       | 49       | 2.62     | 10       |          |
| CC69421            | 0.20      | 0.6      | 1.97     | 15       | <10      | 90       | 1.1      | <2       | 0.28     | <0.5     | 8        | 38       | 61       | 3.16     | 10       |          |
| CC69422            | 0.24      | 0.8      | 1.67     | 20       | <10      | 80       | 1.1      | 2        | 0.46     | <0.5     | 10       | 36       | 68       | 3.23     | 10       |          |
| CC69423            | 0.24      | 1.7      | 1.75     | 15       | <10      | 90       | 1.3      | 3        | 0.35     | <0.5     | 8        | 34       | 79       | 2.79     | 10       |          |
| CC69424            | 0.22      | 0.3      | 1.54     | 17       | <10      | 70       | 0.7      | 2        | 0.23     | <0.5     | 7        | 29       | 33       | 3.28     | 10       |          |
| CC69425            | 0.22      | 1.3      | 2.05     | 20       | <10      | 90       | 1.5      | 2        | 0.50     | <0.5     | 11       | 42       | 87       | 3.32     | 10       |          |
| CC69426            | 0.26      | 1.4      | 1.35     | 20       | <10      | 70       | 0.8      | 2        | 0.31     | <0.5     | 7        | 29       | 53       | 2.54     | 10       |          |
| CC69427            | 0.18      | 1.0      | 1.44     | 16       | <10      | 60       | 0.8      | 2        | 0.34     | <0.5     | 8        | 39       | 41       | 3.05     | 10       |          |
| CC69428            | 0.20      | 1.9      | 1.86     | 15       | <10      | 90       | 1.1      | <2       | 0.36     | <0.5     | 10       | 39       | 68       | 2.77     | 10       |          |
| CC69429            | 0.20      | 0.8      | 1.60     | 12       | <10      | 90       | 1.8      | <2       | 0.55     | <0.5     | 11       | 68       | 64       | 2.98     | 10       |          |
| CC69430            | 0.14      | 0.3      | 1.97     | 12       | <10      | 70       | 1.4      | 2        | 0.47     | <0.5     | 11       | 80       | 58       | 3.41     | 10       |          |
| CC69431            | 0.18      | 0.6      | 1.60     | 8        | <10      | 80       | 1.5      | <2       | 0.43     | <0.5     | 9        | 59       | 56       | 2.53     | 10       |          |
| CC69432            | 0.28      | 0.3      | 1.65     | 11       | <10      | 80       | 1.4      | <2       | 0.57     | <0.5     | 12       | 67       | 61       | 3.24     | 10       |          |
| CC69433            | 0.22      | 0.7      | 1.52     | 10       | <10      | 90       | 1.0      | <2       | 0.38     | <0.5     | 6        | 37       | 42       | 2.50     | 10       |          |
| CC69434            | 0.20      | 0.8      | 1.73     | 9        | <10      | 110      | 1.1      | <2       | 0.39     | 0.6      | 9        | 42       | 59       | 2.53     | 10       |          |
| CC69435            | 0.24      | 0.4      | 1.64     | 15       | <10      | 70       | 0.7      | <2       | 0.21     | <0.5     | 9        | 41       | 32       | 3.13     | 10       |          |
| CC69436            | 0.18      | 0.5      | 1.39     | 20       | <10      | 70       | 0.8      | <2       | 0.40     | 0.5      | 12       | 59       | 48       | 3.17     | 10       |          |
| CC69437            | 0.20      | 0.5      | 1.71     | 13       | <10      | 90       | 1.1      | <2       | 0.48     | <0.5     | 10       | 56       | 74       | 2.99     | 10       |          |
| CC69438            | 0.22      | 12.9     | 2.39     | 30       | <10      | 60       | 2.6      | 3        | 0.51     | 0.5      | 22       | 181      | 153      | 4.50     | 10       |          |
| CC69439            | 0.32      | 12.3     | 2.89     | 29       | <10      | 80       | 2.9      | 4        | 0.60     | 0.6      | 29       | 233      | 170      | 5.06     | 10       |          |
| CC69440            | 0.18      | 21.7     | 2.38     | 24       | <10      | 60       | 2.3      | 4        | 0.51     | <0.5     | 21       | 122      | 189      | 3.98     | 10       |          |
| CC69441            | 0.18      | 9.0      | 2.36     | 19       | <10      | 60       | 1.9      | 3        | 0.46     | <0.5     | 21       | 161      | 128      | 3.84     | 10       |          |
| CC69442            | 0.26      | 1.0      | 1.88     | 30       | <10      | 50       | 1.4      | 3        | 0.49     | <0.5     | 23       | 106      | 110      | 3.72     | 10       |          |
| CC69443            | 0.22      | 1.9      | 2.35     | 45       | <10      | 50       | 1.6      | 6        | 0.45     | <0.5     | 18       | 121      | 101      | 3.76     | 10       |          |
| CC69444            | 0.22      | 0.2      | 1.84     | 11       | <10      | 60       | 1.0      | <2       | 0.47     | <0.5     | 11       | 112      | 56       | 3.10     | 10       |          |
| CC69445            | 0.22      | <0.2     | 1.59     | 14       | <10      | 50       | 0.6      | 2        | 0.36     | <0.5     | 10       | 74       | 47       | 2.61     | 10       |          |
| CC69446            | 0.22      | 0.8      | 1.81     | 31       | <10      | 50       | 0.8      | 2        | 0.39     | <0.5     | 13       | 84       | 57       | 2.85     | 10       |          |
| CC69447            | 0.28      | 1.4      | 1.99     | 54       | <10      | 60       | 1.1      | 2        | 0.44     | 0.7      | 19       | 101      | 84       | 3.35     | 10       |          |
| CC69448            | 0.22      | 0.2      | 1.54     | 26       | <10      | 70       | 0.8      | 2        | 0.47     | <0.5     | 16       | 72       | 75       | 2.94     | 10       |          |
| CC69449            | 0.16      | 0.2      | 1.64     | 13       | <10      | 60       | 0.7      | 2        | 0.33     | <0.5     | 11       | 75       | 48       | 2.57     | 10       |          |
| CC69450            | 0.22      | 0.3      | 1.79     | 18       | <10      | 60       | 1.1      | 2        | 0.27     | <0.5     | 12       | 68       | 51       | 2.71     | 10       |          |
| CC69451            | 0.30      | 0.5      | 1.84     | 22       | <10      | 70       | 1.3      | <2       | 0.37     | 0.5      | 22       | 62       | 84       | 3.87     | 10       |          |
| CC69452            | 0.18      | 0.2      | 1.55     | 16       | <10      | 50       | 0.8      | 2        | 0.14     | <0.5     | 7        | 33       | 41       | 2.27     | 10       |          |



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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm   |
| CC69413            |                          | 1        | 0.17     | 20       | 0.37     | 807      | 4        | 0.02     | 14       | 1820     | 721      | 0.35     | 57       | 2        | 71       | <20      |
| CC69414            |                          | 1        | 0.06     | 20       | 0.63     | 1040     | 2        | 0.02     | 22       | 1620     | 103      | 0.08     | 4        | 2        | 31       | <20      |
| CC69415            |                          | <1       | 0.04     | 10       | 0.32     | 412      | 3        | 0.01     | 14       | 860      | 64       | 0.07     | 3        | 1        | 15       | <20      |
| CC69416            |                          | <1       | 0.04     | 10       | 0.40     | 510      | 3        | 0.02     | 18       | 1360     | 65       | 0.11     | 3        | 1        | 28       | <20      |
| CC69417            |                          | 1        | 0.05     | 10       | 0.42     | 520      | 2        | 0.02     | 16       | 1240     | 57       | 0.09     | <2       | 1        | 19       | <20      |
| CC69418            |                          | <1       | 0.07     | 10       | 0.61     | 725      | 2        | 0.01     | 19       | 1390     | 54       | 0.08     | 2        | 1        | 21       | <20      |
| CC69419            |                          | <1       | 0.07     | 20       | 0.73     | 1050     | 2        | 0.02     | 23       | 1580     | 56       | 0.07     | 2        | 2        | 26       | <20      |
| CC69420            |                          | <1       | 0.05     | 20       | 0.46     | 419      | 1        | 0.02     | 17       | 1110     | 25       | 0.07     | <2       | 1        | 20       | <20      |
| CC69421            |                          | 1        | 0.06     | 20       | 0.62     | 579      | 2        | 0.02     | 22       | 1170     | 34       | 0.07     | 2        | 1        | 23       | <20      |
| CC69422            |                          | <1       | 0.06     | 20       | 0.73     | 768      | 2        | 0.02     | 23       | 1410     | 42       | 0.04     | 2        | 3        | 29       | <20      |
| CC69423            |                          | <1       | 0.05     | 30       | 0.54     | 706      | 2        | 0.02     | 19       | 1110     | 38       | 0.08     | 2        | 2        | 27       | <20      |
| CC69424            |                          | <1       | 0.04     | 10       | 0.46     | 397      | 1        | 0.02     | 18       | 710      | 32       | 0.03     | 2        | 2        | 18       | <20      |
| CC69425            |                          | 1        | 0.06     | 30       | 0.75     | 761      | 2        | 0.02     | 26       | 1270     | 51       | 0.05     | 2        | 3        | 32       | <20      |
| CC69426            |                          | <1       | 0.05     | 20       | 0.47     | 950      | 2        | 0.02     | 16       | 1150     | 71       | 0.05     | 3        | 2        | 21       | <20      |
| CC69427            |                          | <1       | 0.05     | 10       | 0.61     | 511      | 1        | 0.02     | 21       | 1060     | 64       | 0.02     | 3        | 3        | 19       | <20      |
| CC69428            |                          | 1        | 0.06     | 20       | 0.61     | 1020     | 2        | 0.02     | 20       | 1180     | 39       | 0.06     | 2        | 2        | 26       | <20      |
| CC69429            |                          | 1        | 0.07     | 20       | 0.94     | 948      | 1        | 0.02     | 30       | 1690     | 47       | 0.04     | <2       | 4        | 33       | <20      |
| CC69430            |                          | <1       | 0.05     | 10       | 1.01     | 598      | 2        | 0.02     | 32       | 1170     | 47       | 0.03     | 2        | 5        | 31       | <20      |
| CC69431            |                          | 1        | 0.05     | 20       | 0.71     | 447      | 1        | 0.03     | 24       | 1170     | 28       | 0.05     | <2       | 4        | 28       | <20      |
| CC69432            |                          | 1        | 0.05     | 10       | 0.89     | 771      | 1        | 0.02     | 31       | 1560     | 50       | 0.02     | 3        | 4        | 35       | <20      |
| CC69433            |                          | <1       | 0.05     | 10       | 0.48     | 313      | 1        | 0.02     | 17       | 690      | 30       | 0.04     | 2        | 2        | 26       | <20      |
| CC69434            |                          | 1        | 0.06     | 20       | 0.58     | 490      | 2        | 0.02     | 22       | 1060     | 35       | 0.06     | <2       | 3        | 30       | <20      |
| CC69435            |                          | 1        | 0.05     | 10       | 0.56     | 706      | 2        | 0.01     | 19       | 780      | 30       | 0.03     | <2       | 2        | 17       | <20      |
| CC69436            |                          | 1        | 0.05     | 10       | 0.76     | 718      | 1        | 0.02     | 27       | 1270     | 55       | 0.02     | 2        | 3        | 24       | <20      |
| CC69437            |                          | 1        | 0.07     | 10       | 0.76     | 579      | 1        | 0.02     | 28       | 1200     | 78       | 0.03     | 2        | 4        | 30       | <20      |
| CC69438            |                          | <1       | 0.40     | 10       | 1.63     | 3410     | 2        | 0.02     | 110      | 1700     | 365      | 0.13     | 9        | 5        | 121      | <20      |
| CC69439            |                          | 1        | 0.66     | 10       | 2.12     | 3170     | 2        | 0.02     | 126      | 2320     | 499      | 0.08     | 8        | 6        | 154      | <20      |
| CC69440            |                          | 1        | 0.26     | 10       | 1.36     | 1650     | 2        | 0.02     | 87       | 1510     | 408      | 0.08     | 10       | 4        | 91       | <20      |
| CC69441            |                          | 1        | 0.33     | 10       | 1.61     | 1950     | 2        | 0.02     | 94       | 1350     | 143      | 0.11     | 5        | 3        | 69       | <20      |
| CC69442            |                          | 1        | 0.28     | 10       | 1.20     | 776      | 2        | 0.02     | 75       | 1580     | 49       | 0.05     | 2        | 3        | 55       | <20      |
| CC69443            |                          | <1       | 0.34     | 10       | 1.54     | 965      | 2        | 0.02     | 90       | 1600     | 105      | 0.07     | 3        | 3        | 52       | <20      |
| CC69444            |                          | <1       | 0.46     | 10       | 1.57     | 312      | 1        | 0.02     | 91       | 1670     | 10       | 0.06     | <2       | 2        | 26       | <20      |
| CC69445            |                          | <1       | 0.34     | 10       | 1.28     | 193      | 1        | 0.02     | 75       | 1370     | 10       | 0.05     | <2       | 2        | 23       | <20      |
| CC69446            |                          | <1       | 0.30     | 10       | 1.37     | 412      | 1        | 0.02     | 76       | 1460     | 51       | 0.05     | 2        | 2        | 27       | <20      |
| CC69447            |                          | 1        | 0.36     | 10       | 1.37     | 557      | 1        | 0.02     | 76       | 1760     | 128      | 0.05     | 3        | 3        | 34       | <20      |
| CC69448            |                          | <1       | 0.24     | 10       | 0.97     | 361      | 2        | 0.03     | 55       | 1610     | 27       | 0.06     | 2        | 3        | 58       | <20      |
| CC69449            |                          | <1       | 0.34     | 10       | 1.20     | 367      | 1        | 0.03     | 72       | 1290     | 9        | 0.06     | <2       | 1        | 32       | <20      |
| CC69450            |                          | <1       | 0.14     | 10       | 0.68     | 357      | 2        | 0.02     | 39       | 1170     | 19       | 0.07     | 2        | 1        | 60       | <20      |
| CC69451            |                          | <1       | 0.11     | 10       | 0.68     | 766      | 4        | 0.03     | 32       | 1600     | 88       | 0.08     | 2        | 3        | 89       | <20      |
| CC69452            |                          | <1       | 0.04     | 10       | 0.32     | 230      | 2        | 0.02     | 17       | 1010     | 11       | 0.09     | 2        | 1        | 32       | <20      |





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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41  | Pb-OG46 |
|--------------------|-----------------------------------|----------|-----------|----------|----------|----------|-----------|---------|
|                    |                                   | Ti<br>%  | Ti<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm | Pb<br>% |
|                    |                                   | 0.01     | 10        | 10       | 1        | 10       | 2         | 0.001   |
| CC69413            |                                   | 0.01     | <10       | <10      | 48       | <10      | 458       |         |
| CC69414            |                                   | 0.04     | <10       | <10      | 76       | <10      | 206       |         |
| CC69415            |                                   | 0.05     | <10       | <10      | 83       | <10      | 97        |         |
| CC69416            |                                   | 0.03     | <10       | <10      | 66       | <10      | 108       |         |
| CC69417            |                                   | 0.03     | <10       | <10      | 60       | <10      | 105       |         |
| CC69418            |                                   | 0.03     | <10       | <10      | 75       | <10      | 134       |         |
| CC69419            |                                   | 0.03     | <10       | <10      | 71       | <10      | 140       |         |
| CC69420            |                                   | 0.03     | <10       | <10      | 60       | <10      | 84        |         |
| CC69421            |                                   | 0.03     | <10       | <10      | 71       | <10      | 109       |         |
| CC69422            |                                   | 0.06     | <10       | <10      | 73       | <10      | 109       |         |
| CC69423            |                                   | 0.03     | <10       | <10      | 66       | <10      | 80        |         |
| CC69424            |                                   | 0.07     | <10       | <10      | 74       | <10      | 68        |         |
| CC69425            |                                   | 0.04     | <10       | <10      | 76       | <10      | 121       |         |
| CC69426            |                                   | 0.04     | <10       | <10      | 55       | <10      | 140       |         |
| CC69427            |                                   | 0.07     | <10       | <10      | 64       | <10      | 118       |         |
| CC69428            |                                   | 0.04     | <10       | <10      | 64       | <10      | 97        |         |
| CC69429            |                                   | 0.06     | <10       | <10      | 67       | <10      | 110       |         |
| CC69430            |                                   | 0.08     | <10       | <10      | 85       | <10      | 93        |         |
| CC69431            |                                   | 0.06     | <10       | <10      | 61       | <10      | 69        |         |
| CC69432            |                                   | 0.08     | <10       | <10      | 72       | <10      | 109       |         |
| CC69433            |                                   | 0.07     | <10       | <10      | 64       | <10      | 66        |         |
| CC69434            |                                   | 0.06     | <10       | <10      | 63       | <10      | 72        |         |
| CC69435            |                                   | 0.07     | <10       | <10      | 73       | <10      | 82        |         |
| CC69436            |                                   | 0.06     | <10       | <10      | 67       | <10      | 122       |         |
| CC69437            |                                   | 0.06     | <10       | <10      | 66       | <10      | 96        |         |
| CC69438            |                                   | 0.12     | <10       | <10      | 100      | <10      | 502       |         |
| CC69439            |                                   | 0.16     | <10       | <10      | 118      | <10      | 351       |         |
| CC69440            |                                   | 0.12     | <10       | <10      | 92       | <10      | 324       |         |
| CC69441            |                                   | 0.14     | <10       | <10      | 102      | <10      | 219       |         |
| CC69442            |                                   | 0.14     | <10       | <10      | 87       | <10      | 98        |         |
| CC69443            |                                   | 0.14     | <10       | <10      | 96       | <10      | 186       |         |
| CC69444            |                                   | 0.21     | <10       | <10      | 95       | <10      | 57        |         |
| CC69445            |                                   | 0.16     | <10       | <10      | 79       | <10      | 45        |         |
| CC69446            |                                   | 0.16     | <10       | <10      | 79       | <10      | 137       |         |
| CC69447            |                                   | 0.17     | <10       | <10      | 86       | <10      | 217       |         |
| CC69448            |                                   | 0.13     | <10       | <10      | 72       | <10      | 70        |         |
| CC69449            |                                   | 0.16     | <10       | <10      | 78       | <10      | 52        |         |
| CC69450            |                                   | 0.10     | <10       | <10      | 64       | <10      | 63        |         |
| CC69451            |                                   | 0.10     | <10       | <10      | 77       | <10      | 113       |         |
| CC69452            |                                   | 0.05     | <10       | <10      | 46       | <10      | 40        |         |



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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | WEI-21       | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   | Fe %     | Ga ppm   |
|                    |                          | 0.02         | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     | 10       |
| CC69453            |                          | 0.24         | 0.4      | 2.13     | 94       | <10      | 50       | 1.0      | 2        | 0.32     | <0.5     | 12       | 81       | 64       | 3.53     | 10       |
| CC69454            |                          | 0.26         | 0.5      | 2.00     | 104      | <10      | 90       | 1.5      | 2        | 0.60     | 0.6      | 21       | 122      | 71       | 4.08     | 10       |
| CC69455            |                          | 0.28         | 2.1      | 1.59     | 235      | <10      | 80       | 1.2      | 5        | 0.55     | 1.7      | 19       | 96       | 76       | 3.36     | 10       |
| CC69456            |                          | 0.16         | 0.5      | 1.99     | 64       | <10      | 90       | 1.3      | <2       | 0.38     | 0.5      | 14       | 68       | 83       | 3.34     | 10       |
| CC69457            |                          | 0.28         | 0.2      | 1.64     | 32       | <10      | 70       | 0.6      | 2        | 0.49     | 0.6      | 13       | 89       | 46       | 3.25     | 10       |
| CC69458            |                          | 0.20         | 0.6      | 2.24     | 99       | <10      | 100      | 1.9      | <2       | 0.46     | 2.3      | 17       | 77       | 81       | 3.53     | 10       |
| CC69459            |                          | 0.22         | 0.6      | 1.42     | 27       | <10      | 80       | 0.8      | 3        | 0.28     | 0.9      | 10       | 59       | 43       | 2.81     | 10       |
| CC69460            |                          | 0.16         | 0.3      | 0.92     | 9        | <10      | 40       | <0.5     | <2       | 0.13     | <0.5     | 6        | 46       | 23       | 2.13     | 10       |
| CC69461            |                          | 0.22         | 0.3      | 1.79     | 21       | <10      | 80       | 0.6      | <2       | 0.20     | <0.5     | 9        | 44       | 29       | 3.11     | 10       |
| CC69462            |                          | 0.20         | 0.5      | 1.34     | 14       | <10      | 50       | 0.5      | 2        | 0.11     | <0.5     | 6        | 58       | 26       | 3.18     | 10       |
| CC69463            |                          | 0.18         | 0.4      | 0.88     | 13       | <10      | 40       | <0.5     | 2        | 0.09     | <0.5     | 5        | 48       | 23       | 2.33     | 10       |
| CC69464            |                          | 0.20         | 0.3      | 1.64     | 15       | <10      | 70       | 0.9      | <2       | 0.24     | <0.5     | 8        | 41       | 32       | 2.82     | 10       |
| CC69465            |                          | 0.22         | 1.0      | 1.42     | 12       | <10      | 40       | 0.5      | 2        | 0.16     | <0.5     | 5        | 41       | 25       | 2.70     | 10       |
| CC69466            |                          | 0.20         | 2.0      | 1.04     | 20       | <10      | 40       | <0.5     | 3        | 0.09     | <0.5     | 4        | 20       | 27       | 2.02     | 10       |
| CC69467            |                          | 0.20         | 0.7      | 1.15     | 18       | <10      | 60       | <0.5     | 6        | 0.14     | <0.5     | 5        | 28       | 24       | 2.37     | 10       |
| CC69468            |                          | 0.20         | 0.3      | 1.95     | 28       | <10      | 90       | 1.0      | 3        | 0.26     | <0.5     | 11       | 46       | 31       | 3.34     | 10       |
| CC69469            |                          | 0.22         | 0.4      | 1.59     | 20       | <10      | 80       | 0.7      | 2        | 0.26     | <0.5     | 8        | 35       | 19       | 3.11     | 10       |
| CC69470            |                          | 0.22         | 0.2      | 2.01     | 20       | <10      | 100      | 0.9      | 3        | 0.21     | <0.5     | 10       | 35       | 26       | 3.31     | 10       |
| CC69471            |                          | 0.18         | 0.5      | 1.77     | 27       | <10      | 110      | 0.9      | 2        | 0.36     | 0.6      | 14       | 38       | 41       | 3.53     | 10       |
| CC69472            |                          | 0.20         | 0.2      | 1.28     | 18       | <10      | 90       | 0.5      | 5        | 0.15     | <0.5     | 7        | 39       | 27       | 3.69     | 10       |
| CC69473            |                          | 0.18         | 0.6      | 1.53     | 23       | <10      | 60       | 0.7      | 3        | 0.18     | <0.5     | 8        | 30       | 26       | 3.09     | 10       |
| CC69474            |                          | 0.26         | 0.7      | 2.07     | 21       | <10      | 60       | 1.3      | 4        | 0.28     | 0.9      | 12       | 30       | 47       | 3.19     | 10       |
| CC69475            |                          | 0.20         | 0.6      | 2.24     | 16       | <10      | 160      | 2.6      | <2       | 0.61     | 0.8      | 20       | 63       | 77       | 4.17     | 10       |
| CC69476            |                          | 0.22         | 0.3      | 2.25     | 18       | <10      | 70       | 1.4      | 2        | 0.37     | 0.5      | 15       | 37       | 52       | 4.65     | 10       |
| CC69477            |                          | 0.22         | 1.3      | 1.79     | 15       | <10      | 70       | 1.7      | 4        | 0.39     | 0.5      | 9        | 21       | 49       | 3.07     | 10       |
| CC69478            |                          | 0.24         | 3.0      | 2.22     | 43       | <10      | 110      | 2.7      | 13       | 0.44     | 1.6      | 13       | 21       | 83       | 4.82     | 10       |
| CC69479            |                          | 0.24         | 1.3      | 1.82     | 39       | <10      | 110      | 1.4      | 6        | 0.38     | <0.5     | 10       | 28       | 57       | 3.78     | 10       |
| CC69480            |                          | 0.18         | 1.9      | 2.14     | 29       | <10      | 110      | 2.2      | 6        | 0.43     | 2.8      | 13       | 27       | 58       | 3.45     | 10       |
| CC69481            |                          | 0.24         | 1.0      | 1.51     | 16       | <10      | 80       | 0.9      | 3        | 0.37     | 0.8      | 10       | 31       | 33       | 3.28     | 10       |
| CC69001            |                          | 0.32         | 1.1      | 2.50     | 14       | <10      | 150      | 2.3      | 3        | 0.87     | 0.5      | 15       | 118      | 93       | 3.39     | 10       |
| CC69002            |                          | 0.44         | 1.8      | 2.19     | 29       | <10      | 100      | 1.5      | 3        | 0.52     | 0.7      | 13       | 95       | 85       | 3.41     | 10       |
| CC69003            |                          | 0.30         | 1.9      | 2.22     | 21       | <10      | 90       | 1.2      | 4        | 0.59     | <0.5     | 13       | 98       | 83       | 3.33     | 10       |
| CC69004            |                          | 0.32         | 1.0      | 1.79     | 18       | <10      | 80       | 0.8      | 5        | 0.58     | <0.5     | 12       | 100      | 75       | 3.07     | 10       |
| CC69005            |                          | 0.40         | 0.6      | 1.87     | 15       | <10      | 90       | 0.8      | 2        | 0.50     | <0.5     | 12       | 100      | 70       | 3.03     | 10       |
| CC69006            |                          | 0.18         | 0.5      | 1.62     | 11       | <10      | 80       | 0.8      | 2        | 0.37     | <0.5     | 11       | 80       | 57       | 2.56     | 10       |
| CC69007            |                          | 0.18         | 0.2      | 1.95     | 10       | <10      | 70       | 0.7      | 2        | 0.31     | <0.5     | 9        | 108      | 43       | 3.00     | 10       |
| CC69008            |                          | 0.18         | <0.2     | 1.13     | 8        | <10      | 50       | <0.5     | <2       | 0.12     | <0.5     | 4        | 29       | 21       | 1.78     | <10      |
| CC69009            |                          | 0.12         | <0.2     | 0.63     | <2       | <10      | 20       | <0.5     | <2       | 0.08     | <0.5     | 2        | 4        | 6        | 0.58     | <10      |
| CC69010            |                          | 0.14         | 0.2      | 2.70     | 17       | <10      | 120      | 0.9      | <2       | 0.18     | <0.5     | 10       | 42       | 37       | 3.90     | 10       |
| CC69011            |                          | 0.32         | <0.2     | 2.30     | 18       | <10      | 130      | 0.7      | <2       | 0.27     | <0.5     | 12       | 47       | 29       | 3.54     | 10       |



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Finalized Date: 14-SEP-2009  
Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   | Th ppm |
|                    |                          | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 20       |        |
| CC69453            |                          | <1       | 0.17     | 10       | 0.99     | 395      | 2        | 0.02     | 58       | 1060     | 40       | 0.02     | <2       | 3        | 49       | <20    |
| CC69454            |                          | <1       | 0.28     | 10       | 1.12     | 1080     | 1        | 0.02     | 65       | 2060     | 75       | 0.02     | 3        | 4        | 71       | <20    |
| CC69455            |                          | 1        | 0.19     | 10       | 0.83     | 952      | 2        | 0.02     | 67       | 1870     | 191      | 0.02     | 5        | 3        | 70       | <20    |
| CC69456            |                          | <1       | 0.17     | 10       | 0.96     | 534      | 2        | 0.02     | 57       | 1200     | 61       | 0.05     | 3        | 2        | 70       | <20    |
| CC69457            |                          | <1       | 0.25     | 10       | 0.86     | 458      | 1        | 0.02     | 51       | 1940     | 50       | 0.02     | <2       | 2        | 52       | <20    |
| CC69458            |                          | <1       | 0.07     | 10       | 0.86     | 844      | 2        | 0.02     | 47       | 1590     | 238      | 0.03     | 5        | 3        | 95       | <20    |
| CC69459            |                          | <1       | 0.11     | 10       | 0.58     | 651      | 1        | 0.02     | 33       | 750      | 41       | 0.04     | 2        | 2        | 46       | <20    |
| CC69460            |                          | <1       | 0.08     | 10       | 0.36     | 194      | 1        | 0.02     | 22       | 590      | 16       | 0.05     | <2       | 1        | 16       | <20    |
| CC69461            |                          | <1       | 0.06     | 10       | 0.48     | 411      | 2        | 0.02     | 21       | 620      | 32       | 0.02     | 2        | 3        | 30       | <20    |
| CC69462            |                          | 1        | 0.12     | 10       | 0.49     | 322      | 2        | 0.02     | 21       | 450      | 25       | 0.03     | <2       | 2        | 17       | <20    |
| CC69463            |                          | <1       | 0.05     | 10       | 0.23     | 187      | 2        | 0.02     | 14       | 350      | 23       | 0.03     | 2        | 1        | 24       | <20    |
| CC69464            |                          | 1        | 0.08     | 10       | 0.50     | 288      | 1        | 0.02     | 24       | 770      | 30       | 0.03     | 2        | 2        | 34       | <20    |
| CC69465            |                          | <1       | 0.07     | 10       | 0.42     | 246      | 2        | 0.02     | 17       | 450      | 22       | 0.03     | <2       | 2        | 22       | <20    |
| CC69466            |                          | <1       | 0.05     | 10       | 0.14     | 132      | 4        | 0.01     | 10       | 270      | 50       | 0.03     | 2        | 1        | 20       | <20    |
| CC69467            |                          | 1        | 0.06     | 10       | 0.30     | 242      | 3        | 0.02     | 13       | 360      | 32       | 0.03     | <2       | 2        | 21       | <20    |
| CC69468            |                          | <1       | 0.09     | 10       | 0.59     | 501      | 2        | 0.02     | 22       | 830      | 31       | 0.03     | <2       | 3        | 28       | <20    |
| CC69469            |                          | 1        | 0.05     | 10       | 0.42     | 352      | 2        | 0.02     | 16       | 720      | 41       | 0.04     | 2        | 2        | 26       | <20    |
| CC69470            |                          | 1        | 0.06     | 10       | 0.57     | 476      | 2        | 0.02     | 21       | 560      | 33       | 0.02     | 2        | 4        | 23       | <20    |
| CC69471            |                          | <1       | 0.07     | 10       | 0.61     | 944      | 2        | 0.02     | 24       | 850      | 54       | 0.02     | 3        | 3        | 53       | <20    |
| CC69472            |                          | 1        | 0.06     | 10       | 0.39     | 344      | 2        | 0.01     | 15       | 480      | 24       | 0.02     | 2        | 2        | 26       | <20    |
| CC69473            |                          | <1       | 0.07     | 10       | 0.44     | 422      | 3        | 0.02     | 15       | 530      | 43       | 0.02     | <2       | 3        | 26       | <20    |
| CC69474            |                          | <1       | 0.08     | 10       | 0.55     | 1070     | 3        | 0.02     | 20       | 960      | 888      | 0.02     | 4        | 3        | 33       | <20    |
| CC69475            |                          | 1        | 0.25     | 20       | 1.01     | 1420     | 4        | 0.02     | 32       | 1860     | 266      | 0.01     | 2        | 6        | 125      | <20    |
| CC69476            |                          | <1       | 0.07     | 20       | 0.75     | 785      | 10       | 0.01     | 17       | 1130     | 95       | 0.01     | <2       | 4        | 31       | 20     |
| CC69477            |                          | <1       | 0.06     | 20       | 0.45     | 765      | 9        | 0.02     | 12       | 730      | 178      | 0.05     | 3        | 3        | 43       | <20    |
| CC69478            |                          | 1        | 0.24     | 40       | 0.52     | 1580     | 16       | 0.04     | 12       | 1150     | 416      | 0.38     | 5        | 5        | 123      | 20     |
| CC69479            |                          | 1        | 0.12     | 20       | 0.53     | 890      | 9        | 0.02     | 16       | 1070     | 177      | 0.17     | 5        | 3        | 57       | <20    |
| CC69480            |                          | 1        | 0.10     | 30       | 0.56     | 1450     | 11       | 0.03     | 17       | 810      | 176      | 0.11     | 4        | 4        | 56       | <20    |
| CC69481            |                          | <1       | 0.09     | 20       | 0.53     | 814      | 4        | 0.02     | 18       | 1120     | 127      | 0.04     | 3        | 3        | 30       | <20    |
| CC69001            |                          | 1        | 0.32     | 20       | 1.38     | 998      | 3        | 0.02     | 62       | 1880     | 121      | 0.03     | <2       | 4        | 154      | <20    |
| CC69002            |                          | <1       | 0.28     | 10       | 1.11     | 1680     | 2        | 0.02     | 69       | 1370     | 147      | 0.04     | 3        | 3        | 57       | <20    |
| CC69003            |                          | <1       | 0.26     | 10       | 1.13     | 928      | 1        | 0.02     | 70       | 1340     | 108      | 0.04     | 3        | 3        | 40       | <20    |
| CC69004            |                          | <1       | 0.24     | 10       | 0.98     | 525      | 2        | 0.02     | 59       | 1650     | 58       | 0.03     | 2        | 3        | 40       | <20    |
| CC69005            |                          | <1       | 0.26     | 10       | 1.02     | 362      | 1        | 0.02     | 62       | 1670     | 29       | 0.01     | 2        | 3        | 32       | <20    |
| CC69006            |                          | 1        | 0.19     | 10       | 0.89     | 511      | 1        | 0.02     | 56       | 1190     | 23       | 0.05     | <2       | 1        | 33       | <20    |
| CC69007            |                          | <1       | 0.28     | 10       | 1.08     | 377      | 1        | 0.02     | 75       | 1100     | 15       | 0.02     | <2       | 1        | 21       | <20    |
| CC69008            |                          | <1       | 0.03     | 10       | 0.26     | 127      | 1        | 0.02     | 14       | 370      | 19       | 0.02     | <2       | 1        | 14       | <20    |
| CC69009            |                          | <1       | 0.02     | <10      | 0.03     | 37       | <1       | 0.03     | 3        | 300      | 2        | 0.01     | <2       | <1       | 9        | <20    |
| CC69010            |                          | <1       | 0.05     | 10       | 0.50     | 296      | 2        | 0.02     | 26       | 470      | 19       | <0.01    | <2       | 4        | 22       | <20    |
| CC69011            |                          | <1       | 0.06     | 10       | 0.66     | 450      | 1        | 0.02     | 32       | 940      | 16       | <0.01    | <2       | 4        | 23       | <20    |





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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Ti       | Tl       | U        | V        | W        | Zn       | Pb      |
|                    |                                   | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %       |
|                    |                                   | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001   |
| CC69453            |                                   | 0.18     | <10      | <10      | 91       | <10      | 96       |         |
| CC69454            |                                   | 0.14     | <10      | <10      | 94       | <10      | 176      |         |
| CC69455            |                                   | 0.12     | <10      | <10      | 78       | <10      | 262      |         |
| CC69456            |                                   | 0.15     | <10      | <10      | 83       | <10      | 145      |         |
| CC69457            |                                   | 0.17     | <10      | <10      | 85       | <10      | 118      |         |
| CC69458            |                                   | 0.11     | <10      | <10      | 82       | <10      | 322      |         |
| CC69459            |                                   | 0.15     | <10      | <10      | 74       | <10      | 121      |         |
| CC69460            |                                   | 0.14     | <10      | <10      | 65       | <10      | 51       |         |
| CC69461            |                                   | 0.12     | <10      | <10      | 78       | <10      | 95       |         |
| CC69462            |                                   | 0.21     | <10      | <10      | 101      | <10      | 62       |         |
| CC69463            |                                   | 0.11     | <10      | <10      | 73       | <10      | 45       |         |
| CC69464            |                                   | 0.13     | <10      | <10      | 74       | <10      | 72       |         |
| CC69465            |                                   | 0.16     | <10      | <10      | 83       | <10      | 58       |         |
| CC69466            |                                   | 0.07     | <10      | <10      | 54       | <10      | 72       |         |
| CC69467            |                                   | 0.13     | <10      | <10      | 74       | <10      | 62       |         |
| CC69468            |                                   | 0.12     | <10      | <10      | 79       | <10      | 83       |         |
| CC69469            |                                   | 0.11     | <10      | <10      | 72       | <10      | 67       |         |
| CC69470            |                                   | 0.11     | <10      | <10      | 71       | <10      | 86       |         |
| CC69471            |                                   | 0.11     | <10      | <10      | 73       | <10      | 150      |         |
| CC69472            |                                   | 0.17     | <10      | <10      | 107      | <10      | 76       |         |
| CC69473            |                                   | 0.11     | <10      | <10      | 68       | <10      | 93       |         |
| CC69474            |                                   | 0.07     | <10      | <10      | 62       | <10      | 518      |         |
| CC69475            |                                   | 0.13     | <10      | <10      | 105      | <10      | 289      |         |
| CC69476            |                                   | 0.07     | <10      | <10      | 89       | <10      | 250      |         |
| CC69477            |                                   | 0.04     | <10      | <10      | 53       | <10      | 229      |         |
| CC69478            |                                   | 0.03     | <10      | 10       | 49       | <10      | 426      |         |
| CC69479            |                                   | 0.06     | <10      | <10      | 62       | <10      | 268      |         |
| CC69480            |                                   | 0.06     | <10      | <10      | 55       | <10      | 305      |         |
| CC69481            |                                   | 0.09     | <10      | <10      | 68       | <10      | 265      |         |
| CC69001            |                                   | 0.11     | <10      | <10      | 89       | <10      | 213      |         |
| CC69002            |                                   | 0.14     | <10      | <10      | 77       | <10      | 371      |         |
| CC69003            |                                   | 0.16     | <10      | <10      | 83       | <10      | 237      |         |
| CC69004            |                                   | 0.15     | <10      | <10      | 75       | <10      | 149      |         |
| CC69005            |                                   | 0.17     | <10      | <10      | 78       | <10      | 101      |         |
| CC69006            |                                   | 0.13     | <10      | <10      | 70       | <10      | 81       |         |
| CC69007            |                                   | 0.19     | <10      | <10      | 90       | <10      | 80       |         |
| CC69008            |                                   | 0.08     | <10      | <10      | 48       | <10      | 34       |         |
| CC69009            |                                   | 0.03     | <10      | <10      | 16       | <10      | 9        |         |
| CC69010            |                                   | 0.11     | <10      | <10      | 84       | <10      | 52       |         |
| CC69011            |                                   | 0.11     | <10      | <10      | 78       | <10      | 69       |         |



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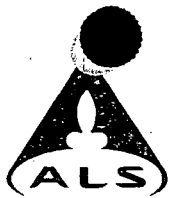
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 Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21          | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  |
|--------------------|-----------------------------------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|-----------|
|                    |                                   | Recvd Wt.<br>kg | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>%  | Ga<br>ppm |
|                    |                                   | 0.02            | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         | 0.01     | 10        |
| CC69012            |                                   | 0.28            | 0.2       | 2.15     | 13        | <10      | 140       | 0.8       | 2         | 0.23     | <0.5      | 10        | 40        | 27        | 3.35     | 10        |
| CC69013            |                                   | 0.22            | <0.2      | 1.55     | 12        | <10      | 80        | <0.5      | <2        | 0.11     | <0.5      | 4         | 26        | 13        | 2.71     | 10        |
| CC69014            |                                   | 0.20            | 0.3       | 2.03     | 30        | <10      | 80        | 2.1       | <2        | 0.91     | <0.5      | 16        | 84        | 84        | 3.56     | 10        |
| CC69015            |                                   | 0.24            | 1.0       | 1.24     | 76        | <10      | 90        | 2.3       | 2         | 0.72     | 0.6       | 14        | 42        | 305       | 3.58     | <10       |
| CC69016            |                                   | 0.26            | 0.2       | 2.66     | 60        | <10      | 180       | 4.2       | 3         | 1.15     | 1.0       | 61        | 173       | 194       | 4.97     | 10        |
| CC69017            |                                   | 0.20            | 0.4       | 1.92     | 19        | <10      | 80        | 3.6       | <2        | 1.01     | <0.5      | 20        | 107       | 134       | 3.63     | 10        |
| CC69018            |                                   | 0.40            | 2.5       | 2.00     | 162       | <10      | 160       | 3.3       | 363       | 0.99     | 1.7       | 55        | 115       | 735       | 7.02     | 10        |
| CC69019            |                                   | 0.22            | 1.8       | 1.66     | 16        | <10      | 80        | 1.5       | 3         | 0.57     | 1.0       | 16        | 84        | 88        | 3.67     | 10        |



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Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method | Analyte | Units | LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |     |     |     |
|--------------------|--------|---------|-------|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----|-----|
|                    |        |         |       |     | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc  | Sr  | Th  |
|                    |        |         |       |     | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm | ppm | ppm |
|                    |        |         |       |     | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1   | 1   | 20  |
| CC69012            |        |         |       |     | <1       | 0.05     | 10       | 0.48     | 409      | 1        | 0.02     | 23       | 700      | 17       | 0.01     | <2       | 3   | 23  | <20 |
| CC69013            |        |         |       |     | <1       | 0.04     | 10       | 0.20     | 108      | 1        | 0.01     | 11       | 220      | 14       | <0.01    | <2       | 2   | 22  | <20 |
| CC69014            |        |         |       |     | <1       | 0.03     | 20       | 0.70     | 672      | 1        | 0.02     | 40       | 2260     | 25       | 0.01     | <2       | 6   | 69  | <20 |
| CC69015            |        |         |       |     | <1       | 0.08     | 30       | 0.37     | 1850     | 3        | 0.01     | 45       | 2190     | 31       | <0.01    | 30       | 5   | 29  | <20 |
| CC69016            |        |         |       |     | <1       | 0.02     | 10       | 1.84     | 2000     | 3        | 0.02     | 133      | 3860     | 60       | <0.01    | 4        | 4   | 55  | <20 |
| CC69017            |        |         |       |     | <1       | 0.33     | 20       | 0.95     | 955      | 4        | 0.01     | 52       | 2180     | 40       | <0.01    | 2        | 6   | 30  | <20 |
| CC69018            |        |         |       |     | <1       | 0.47     | 30       | 1.08     | 2110     | 27       | 0.02     | 54       | 2350     | 265      | 0.15     | 6        | 8   | 36  | <20 |
| CC69019            |        |         |       |     | <1       | 0.16     | 10       | 0.91     | 849      | 3        | 0.02     | 39       | 1460     | 326      | 0.01     | 5        | 4   | 51  | <20 |





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Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093601

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Pb-OG46 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|---------|
|                    |                                   | Ti       | Ti       | U        | V        | W        | Zn       | Pb      |
|                    |                                   | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %       |
|                    |                                   | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.001   |
| CC69012            |                                   | 0.11     | <10      | <10      | 77       | <10      | 67       |         |
| CC69013            |                                   | 0.13     | <10      | <10      | 93       | <10      | 27       |         |
| CC69014            |                                   | 0.02     | <10      | <10      | 80       | <10      | 62       |         |
| CC69015            |                                   | 0.02     | <10      | <10      | 57       | <10      | 172      |         |
| CC69016            |                                   | 0.04     | <10      | <10      | 103      | <10      | 172      |         |
| CC69017            |                                   | 0.10     | <10      | <10      | 86       | 10       | 106      |         |
| CC69018            |                                   | 0.09     | <10      | <10      | 81       | 120      | 236      |         |
| CC69019            |                                   | 0.12     | <10      | <10      | 82       | 10       | 339      |         |



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## CERTIFICATE VA09093546

Project: Prospector Mountain

P.O. No.:

This report is for 110 Rock samples submitted to our lab in Vancouver, BC, Canada on 27-AUG-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-21   | Sample logging - ClientBarCode |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| Cu-OG46  | Ore Grade Cu - Aqua Regia      | VARIABLE   |
| Pb-OG46  | Ore Grade Pb - Aqua Regia      | VARIABLE   |
| Pb-VOL70 | Pb by Titration                |            |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Ag-OG46  | Ore Grade Ag - Aqua Regia      | VARIABLE   |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |
| Zn-OG46  | Ore Grade Zn - Aqua Regia      | VARIABLE   |
| Ag-GRA21 | Ag 30g FA-GRAV finish          | WST-SIM    |

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | WEI-21          | Au-AA23   | Au-AA23         | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 |
|--------------------|-----------------|-----------|-----------------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|
|                    | Recvd Wt.<br>kg | Au<br>ppm | Au Check<br>ppm | Ag<br>ppm | Al<br>%  | As<br>ppm | B<br>ppm | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>%  | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm |          |
|                    | 0.02            | 0.005     | 0.005           | 0.2       | 0.01     | 2         | 10       | 10        | 0.5       | 2         | 0.01     | 0.5       | 1         | 1         | 1         |          |
| G284001            | 1.86            | 0.016     |                 | 0.7       | 1.07     | 55        | <10      | 80        | 2.7       | <2        | 2.51     | 3.1       | 9         | 10        | 82        |          |
| G284002            | 1.72            | 0.011     |                 | 1.9       | 0.78     | 67        | 10       | 30        | 2.0       | 2         | 0.48     | 143.0     | 6         | 7         | 608       |          |
| G284003            | 0.40            | 0.262     |                 | 20.6      | 0.72     | 204       | 10       | 20        | 2.2       | <2        | 0.39     | 28.2      | 4         | 4         | 1055      |          |
| G284004            | 2.56            | 1.005     |                 | 23.7      | 0.59     | 159       | 10       | 190       | 3.1       | 4         | 0.16     | 146.0     | 36        | 5         | 4890      |          |
| G284005            | 2.04            | 0.006     |                 | 1.3       | 0.93     | 22        | 10       | 60        | 4.1       | <2        | 1.16     | 160.0     | 14        | 9         | 2710      |          |
| G284006            | 1.58            | 0.009     |                 | 0.4       | 1.02     | 19        | <10      | 30        | 4.2       | <2        | 1.48     | 79.3      | 10        | 13        | 89        |          |
| G284007            | 2.60            | 0.012     |                 | 1.7       | 1.20     | 41        | 10       | 60        | 2.3       | <2        | 0.96     | 86.6      | 11        | 11        | 332       |          |
| G284008            | 2.84            | 0.725     |                 | >100      | 0.43     | 101       | 10       | 20        | 1.3       | <2        | 0.08     | 10.0      | 2         | 3         | 1670      |          |
| G284009            | 1.42            | 0.061     |                 | 7.5       | 1.18     | 13        | 10       | 60        | 3.7       | <2        | 0.46     | 47.1      | 11        | 10        | 1150      |          |
| G284010            | 2.34            | 0.015     |                 | 2.6       | 0.74     | 63        | 10       | 50        | 2.7       | 2         | 0.74     | 38.0      | 11        | 5         | 65        |          |
| G284011            | 0.68            | 0.076     |                 | 6.6       | 0.51     | 119       | 10       | 20        | 0.8       | <2        | 0.08     | 1.7       | <1        | 2         | 58        |          |
| G284012            | 2.30            | 1.315     |                 | 11.9      | 0.63     | 152       | 10       | 20        | 1.1       | 4         | 2.57     | 4.1       | 1         | 1         | 305       |          |
| G284013            | 1.84            | 0.035     |                 | 2.9       | 0.90     | 74        | 10       | 60        | 3.7       | 2         | 0.30     | 5.6       | 11        | 8         | 214       |          |
| G284014            | 1.80            | 0.084     |                 | 12.4      | 0.91     | 27        | 10       | 60        | 3.5       | 2         | 0.16     | 19.6      | 8         | 6         | 1340      |          |
| G284015            | 0.92            | 0.876     |                 | 21.3      | 0.72     | 74        | <10      | 40        | 1.0       | 3         | 0.05     | 1.6       | <1        | 2         | 581       |          |
| G284016            | 1.20            | 3.68      |                 | 40.3      | 0.54     | 156       | <10      | 30        | 0.6       | 8         | 0.02     | 3.3       | <1        | 4         | 1330      |          |
| G284017            | 2.12            | 0.171     |                 | 25.4      | 0.90     | 78        | 10       | 130       | 1.0       | 2         | 0.07     | 1.5       | <1        | 4         | 578       |          |
| G284018            | 1.98            | 0.428     |                 | 13.4      | 0.68     | 114       | 10       | 180       | 0.9       | 6         | 0.07     | 1.8       | <1        | 3         | 508       |          |
| G284019            | 1.34            | 0.016     |                 | 2.1       | 1.02     | 25        | <10      | 210       | 3.1       | 3         | 0.29     | 10.7      | 9         | 10        | 533       |          |
| G284020            | 2.42            | 0.044     |                 | 3.9       | 0.85     | 18        | <10      | 100       | 3.1       | 2         | 0.40     | 44.3      | 14        | 9         | 223       |          |
| G284021            | 0.80            | 0.034     |                 | 6.1       | 0.78     | 44        | <10      | 150       | 1.8       | 4         | 0.09     | 20.4      | 1         | 6         | 684       |          |
| G284022            | 0.68            | 1.075     |                 | 81.7      | 0.39     | 96        | <10      | 60        | 0.6       | 51        | 0.04     | 3.3       | <1        | 6         | 752       |          |
| G284023            | 1.04            | 2.89      |                 | 37.8      | 0.75     | 192       | <10      | 50        | 0.9       | 3         | 0.11     | 3.4       | 1         | 3         | 1020      |          |
| G284024            | 0.86            | 0.013     |                 | 1.4       | 1.30     | 55        | <10      | 70        | 2.1       | <2        | 0.31     | 9.0       | 4         | 11        | 483       |          |
| G284025            | 1.54            | <0.005    |                 | 1.9       | 2.42     | 18        | <10      | 10        | 1.7       | 4         | 0.74     | 0.9       | 9         | 15        | 216       |          |
| G284026            | 2.04            | 0.013     |                 | 2.0       | 1.03     | 29        | <10      | 60        | 1.2       | 5         | 0.40     | 0.8       | 1         | 9         | 93        |          |
| G284027            | 0.70            | 0.198     |                 | 33.7      | 1.21     | 100       | 10       | 30        | 1.4       | 83        | 0.17     | 0.6       | <1        | 15        | 117       |          |
| G284028            | 1.60            | 0.060     |                 | 45.3      | 2.07     | 66        | <10      | 30        | 1.9       | 58        | 0.43     | 7.9       | 35        | 18        | 1470      |          |
| G284029            | 1.20            | <0.005    |                 | 0.2       | 0.69     | 9         | 10       | 60        | 1.6       | <2        | 3.05     | 2.6       | 7         | 9         | 22        |          |
| G284030            | 0.56            | 0.036     |                 | 3.1       | 0.53     | 28        | 10       | 200       | 0.7       | 2         | 0.23     | 0.7       | 1         | 5         | 41        |          |
| G284031            | 0.54            | 0.023     |                 | 3.4       | 0.90     | 34        | 10       | 140       | 1.5       | 2         | 0.46     | <0.5      | 4         | 6         | 69        |          |
| G284032            | 0.60            | 0.013     |                 | 0.8       | 0.62     | 16        | 10       | 100       | 1.4       | 2         | 0.39     | 0.9       | 8         | 6         | 32        |          |
| G284033            | 1.20            | <0.005    |                 | <0.2      | 0.69     | 13        | 10       | 40        | 1.2       | <2        | 1.91     | 1.9       | 10        | 6         | 22        |          |
| G284034            | 1.18            | <0.005    |                 | 1.3       | 2.14     | 6         | 10       | 80        | 2.1       | <2        | 0.74     | 29.0      | 10        | 13        | 111       |          |
| G284035            | 0.40            | 0.046     |                 | 3.5       | 1.38     | 27        | <10      | 30        | 2.5       | 9         | 0.60     | 7.9       | 13        | 6         | 596       |          |
| G284036            | 0.92            | 0.039     |                 | 5.0       | 1.86     | 33        | <10      | 50        | 2.2       | 3         | 0.68     | 6.4       | 11        | 9         | 731       |          |
| G284037            | 1.16            | <0.005    |                 | 2.1       | 2.08     | 5         | <10      | 70        | 1.7       | <2        | 0.59     | 16.1      | 9         | 12        | 112       |          |
| G284038            | 0.76            | <0.005    |                 | 0.9       | 1.19     | 5         | <10      | 60        | 1.8       | <2        | 0.60     | 69.2      | 17        | 10        | 283       |          |
| G284039            | 0.80            | 0.078     |                 | 33.5      | 1.10     | 85        | 10       | 60        | 0.8       | 5         | 0.31     | 5.3       | 3         | 5         | 246       |          |
| G284040            | 1.76            | 0.693     |                 | >100      | 0.60     | 408       | <10      | 30        | 0.6       | 58        | 0.07     | 2.0       | 2         | 5         | 889       |          |





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## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method                  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  |           |
|--------------------|-------------------------|----------|-----------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|
|                    | Analyte<br>Units<br>LOR | Fe<br>%  | Ga<br>ppm | Hg<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm |
|                    |                         | 0.01     | 10        | 1         | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 2         | 1         |
| G284001            |                         | 3.28     | <10       | <1        | 0.32     | 30        | 0.50     | 3680      | 4         | 0.01     | 10        | 2010     | 172       | 0.24     | 11        | 2         |
| G284002            |                         | 3.55     | <10       | <1        | 0.38     | 30        | 0.10     | 4910      | 11        | 0.01     | 9         | 2200     | 338       | 0.30     | 10        | 2         |
| G284003            |                         | 3.07     | <10       | 1         | 0.32     | 20        | 0.10     | 7360      | 24        | 0.01     | 4         | 1970     | 5030      | 0.22     | 26        | 1         |
| G284004            |                         | 6.26     | <10       | 1         | 0.30     | 10        | 0.04     | 40100     | 38        | 0.02     | 10        | 980      | 9670      | 0.33     | 35        | 2         |
| G284005            |                         | 3.04     | <10       | <1        | 0.37     | 30        | 0.06     | 8400      | 18        | 0.01     | 14        | 1910     | 805       | 0.59     | 21        | 2         |
| G284006            |                         | 3.88     | <10       | <1        | 0.29     | 40        | 0.27     | 6650      | <1        | 0.01     | 16        | 2070     | 144       | 0.13     | <2        | 2         |
| G284007            |                         | 3.20     | <10       | <1        | 0.28     | 30        | 0.42     | 5020      | 1         | 0.02     | 13        | 2060     | 534       | 0.19     | 3         | 2         |
| G284008            |                         | 4.93     | <10       | <1        | 0.28     | 10        | 0.04     | 1645      | 21        | 0.01     | 1         | 880      | >10000    | 0.68     | 47        | 1         |
| G284009            |                         | 3.47     | <10       | <1        | 0.31     | 30        | 0.24     | 3750      | 1         | 0.01     | 8         | 2120     | 1585      | 0.02     | 4         | 2         |
| G284010            |                         | 3.24     | <10       | <1        | 0.34     | 30        | 0.05     | 8100      | 1         | 0.01     | 13        | 2130     | 683       | 0.10     | 6         | 1         |
| G284011            |                         | 2.41     | <10       | <1        | 0.38     | 20        | 0.03     | 150       | 4         | 0.04     | 2         | 1340     | 3850      | 0.32     | 3         | 1         |
| G284012            |                         | 7.73     | <10       | <1        | 0.31     | 20        | 0.04     | 394       | 26        | 0.08     | 4         | 1060     | 3910      | 2.78     | 6         | 1         |
| G284013            |                         | 4.24     | <10       | 1         | 0.33     | 30        | 0.06     | 4710      | 1         | 0.01     | 7         | 1930     | 1900      | 0.04     | 4         | 2         |
| G284014            |                         | 5.91     | <10       | <1        | 0.42     | 40        | 0.05     | 4680      | 7         | 0.01     | 4         | 2150     | >10000    | 0.25     | 8         | 2         |
| G284015            |                         | 3.28     | <10       | <1        | 0.49     | 20        | 0.03     | 215       | 9         | 0.02     | 2         | 1700     | >10000    | 0.75     | 4         | 1         |
| G284016            |                         | 12.85    | <10       | <1        | 0.23     | 10        | 0.02     | 172       | 22        | 0.01     | <1        | 670      | >10000    | 0.65     | 14        | 1         |
| G284017            |                         | 3.36     | <10       | <1        | 0.85     | 30        | 0.03     | 52        | 10        | 0.01     | 2         | 2180     | >10000    | 1.36     | 3         | 1         |
| G284018            |                         | 4.60     | <10       | <1        | 0.88     | 30        | 0.03     | 67        | 8         | 0.03     | 1         | 1820     | >10000    | 1.48     | 7         | 1         |
| G284019            |                         | 4.39     | <10       | <1        | 0.34     | 20        | 0.05     | 3950      | 4         | 0.01     | 10        | 1850     | 2340      | 0.22     | 12        | 2         |
| G284020            |                         | 4.05     | <10       | <1        | 0.25     | 30        | 0.07     | 7440      | 1         | 0.01     | 13        | 1920     | 2900      | 0.06     | 5         | 2         |
| G284021            |                         | 5.58     | <10       | <1        | 0.36     | 40        | 0.04     | 1440      | <1        | 0.01     | 5         | 1720     | 4200      | 0.23     | 7         | 2         |
| G284022            |                         | 6.79     | <10       | 1         | 0.21     | 10        | 0.02     | 237       | 12        | 0.01     | 1         | 830      | >10000    | 0.92     | 39        | 1         |
| G284023            |                         | 3.36     | <10       | <1        | 0.43     | 30        | 0.07     | 156       | 9         | 0.02     | 1         | 1480     | >10000    | 0.76     | 136       | 1         |
| G284024            |                         | 3.36     | <10       | <1        | 0.27     | 30        | 0.34     | 800       | 17        | 0.01     | 5         | 1960     | 2020      | 0.19     | 18        | 3         |
| G284025            |                         | 4.10     | 10        | <1        | 0.12     | 10        | 0.90     | 1350      | <1        | 0.02     | 14        | 2100     | 92        | 0.01     | 5         | 3         |
| G284026            |                         | 3.10     | <10       | <1        | 0.23     | 30        | 0.09     | 86        | 3         | 0.02     | 3         | 1970     | 1720      | 0.23     | 5         | 3         |
| G284027            |                         | 1.74     | 10        | <1        | 0.38     | 70        | 0.07     | 222       | 16        | 0.03     | 2         | 2920     | >10000    | 0.32     | 55        | 3         |
| G284028            |                         | 4.78     | 10        | <1        | 0.15     | 30        | 0.77     | 6590      | 8         | 0.03     | 12        | 1650     | 2860      | 0.05     | 20        | 3         |
| G284029            |                         | 3.08     | <10       | <1        | 0.19     | 30        | 0.50     | 3430      | <1        | 0.03     | 10        | 1910     | 166       | 0.13     | 6         | 3         |
| G284030            |                         | 2.35     | <10       | <1        | 0.36     | 20        | 0.05     | 91        | 1         | 0.05     | 2         | 1560     | 1060      | 0.53     | 27        | 2         |
| G284031            |                         | 4.08     | <10       | <1        | 0.25     | 30        | 0.07     | 200       | <1        | 0.04     | 4         | 2530     | 443       | 0.33     | 52        | 3         |
| G284032            |                         | 3.66     | <10       | <1        | 0.25     | 30        | 0.04     | 537       | <1        | 0.01     | 6         | 2030     | 168       | 0.14     | 6         | 2         |
| G284033            |                         | 3.33     | <10       | <1        | 0.24     | 30        | 0.49     | 3730      | <1        | 0.03     | 9         | 2310     | 20        | 0.36     | 8         | 3         |
| G284034            |                         | 3.52     | 10        | <1        | 0.25     | 30        | 1.33     | 3250      | <1        | 0.02     | 17        | 2190     | 190       | 0.01     | 8         | 3         |
| G284035            |                         | 2.52     | 10        | <1        | 0.22     | 30        | 0.52     | 2730      | <1        | 0.01     | 6         | 1430     | 2560      | 0.01     | 76        | 3         |
| G284036            |                         | 3.18     | 10        | <1        | 0.26     | 40        | 0.90     | 3040      | <1        | 0.01     | 11        | 2170     | 1570      | 0.01     | 109       | 3         |
| G284037            |                         | 3.47     | 10        | 1         | 0.25     | 30        | 1.22     | 2930      | <1        | 0.02     | 16        | 2090     | 219       | <0.01    | 8         | 3         |
| G284038            |                         | 3.41     | 10        | <1        | 0.33     | 30        | 0.32     | 11550     | <1        | 0.01     | 13        | 2200     | 172       | 0.01     | 4         | 3         |
| G284039            |                         | 2.18     | <10       | 1         | 0.41     | 30        | 0.07     | 999       | 3         | 0.01     | 5         | 2070     | 5450      | 0.22     | 61        | 3         |
| G284040            |                         | 3.31     | <10       | <1        | 0.34     | 10        | 0.04     | 886       | 11        | 0.01     | 2         | 1340     | >10000    | 0.83     | 180       | 2         |



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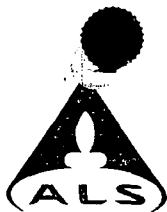
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Total # Pages: 4 (A - C)  
Finalized Date: 17-SEP-2009  
Account: F

Project: Prospector Mountain

**CERTIFICATE OF ANALYSIS VA09093546**

| Sample Description | Method                  | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       | ME-ICP41       | Ag-OG46        | Zn-OG46          | Ag-GRA21       | Cu-OG46          | Pb-OG46          | Pb-VOL70        |
|--------------------|-------------------------|----------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|----------------|----------------|------------------|----------------|------------------|------------------|-----------------|
|                    | Analyte<br>Units<br>LOR | Sr<br>ppm<br>1 | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Ti<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 | Ag<br>ppm<br>1 | Zn<br>%<br>0.001 | Ag<br>ppm<br>5 | Cu<br>%<br>0.001 | Pb<br>%<br>0.001 | Pb<br>%<br>0.01 |
| G284001            |                         | 107            | <20             | <0.01           | <10             | <10            | 42            | <10            | 925            |                |                  |                |                  |                  |                 |
| G284002            |                         | 28             | <20             | <0.01           | <10             | <10            | 33            | <10            | >10000         |                | 1.250            |                |                  |                  |                 |
| G284003            |                         | 133            | <20             | <0.01           | <10             | <10            | 19            | <10            | 2880           |                |                  |                |                  |                  |                 |
| G284004            |                         | 497            | <20             | <0.01           | 10              | 10             | 30            | 10             | 6630           |                |                  |                |                  |                  |                 |
| G284005            |                         | 90             | <20             | <0.01           | <10             | <10            | 35            | <10            | >10000         |                | 2.25             |                |                  |                  |                 |
| G284006            |                         | 65             | <20             | <0.01           | <10             | <10            | 42            | 10             | >10000         |                | 1.200            |                |                  |                  |                 |
| G284007            |                         | 53             | <20             | <0.01           | <10             | <10            | 46            | <10            | >10000         |                | 1.535            |                |                  |                  |                 |
| G284008            |                         | 97             | <20             | <0.01           | <10             | <10            | 16            | <10            | 2560           | 196            |                  |                |                  | 7.03             |                 |
| G284009            |                         | 34             | <20             | <0.01           | <10             | <10            | 47            | <10            | 8040           |                |                  |                |                  |                  |                 |
| G284010            |                         | 82             | <20             | <0.01           | 10              | <10            | 27            | 20             | 5070           |                |                  |                |                  |                  |                 |
| G284011            |                         | 74             | <20             | <0.01           | <10             | <10            | 6             | <10            | 511            |                |                  |                |                  |                  |                 |
| G284012            |                         | 77             | <20             | <0.01           | <10             | <10            | 18            | 10             | 1940           |                |                  |                |                  |                  |                 |
| G284013            |                         | 66             | <20             | <0.01           | <10             | <10            | 37            | 10             | 2960           |                |                  |                |                  |                  |                 |
| G284014            |                         | 100            | <20             | <0.01           | <10             | <10            | 37            | 20             | 4090           |                |                  |                |                  | 1.060            |                 |
| G284015            |                         | 105            | <20             | <0.01           | <10             | <10            | 14            | 10             | 557            |                |                  |                |                  | 1.675            |                 |
| G284016            |                         | 162            | <20             | <0.01           | <10             | <10            | 26            | 10             | 1620           |                |                  |                |                  | 2.06             |                 |
| G284017            |                         | 113            | <20             | <0.01           | <10             | <10            | 15            | <10            | 349            |                |                  |                |                  | 1.725            |                 |
| G284018            |                         | 106            | <20             | <0.01           | <10             | <10            | 14            | <10            | 612            |                |                  |                |                  | 1.235            |                 |
| G284019            |                         | 102            | <20             | <0.01           | <10             | <10            | 42            | 10             | 3630           |                |                  |                |                  |                  |                 |
| G284020            |                         | 62             | <20             | <0.01           | 10              | <10            | 47            | 40             | 8140           |                |                  |                |                  |                  |                 |
| G284021            |                         | 109            | <20             | <0.01           | <10             | <10            | 28            | 10             | 3430           |                |                  |                |                  |                  |                 |
| G284022            |                         | 93             | <20             | <0.01           | <10             | <10            | 35            | 10             | 1460           |                |                  |                |                  | 3.13             |                 |
| G284023            |                         | 73             | <20             | <0.01           | <10             | <10            | 23            | 10             | 839            |                |                  |                |                  | 1.680            |                 |
| G284024            |                         | 70             | <20             | <0.01           | <10             | <10            | 54            | 10             | 1790           |                |                  |                |                  |                  |                 |
| G284025            |                         | 28             | <20             | 0.01            | <10             | <10            | 71            | <10            | 926            |                |                  |                |                  |                  |                 |
| G284026            |                         | 138            | <20             | <0.01           | <10             | <10            | 49            | <10            | 310            |                |                  |                |                  |                  |                 |
| G284027            |                         | 124            | <20             | 0.01            | <10             | 10             | 44            | 10             | 175            |                |                  |                |                  | 1.315            |                 |
| G284028            |                         | 89             | <20             | <0.01           | <10             | 10             | 49            | 10             | 1350           |                |                  |                |                  |                  |                 |
| G284029            |                         | 60             | <20             | <0.01           | <10             | <10            | 38            | 10             | 899            |                |                  |                |                  |                  |                 |
| G284030            |                         | 62             | <20             | <0.01           | <10             | 10             | 13            | <10            | 189            |                |                  |                |                  |                  |                 |
| G284031            |                         | 67             | <20             | <0.01           | <10             | <10            | 26            | <10            | 391            |                |                  |                |                  |                  |                 |
| G284032            |                         | 58             | <20             | <0.01           | <10             | 10             | 22            | <10            | 497            |                |                  |                |                  |                  |                 |
| G284033            |                         | 33             | <20             | <0.01           | <10             | <10            | 30            | <10            | 434            |                |                  |                |                  |                  |                 |
| G284034            |                         | 32             | <20             | 0.01            | <10             | <10            | 61            | 10             | 3170           |                |                  |                |                  |                  |                 |
| G284035            |                         | 22             | <20             | <0.01           | <10             | <10            | 45            | <10            | 1030           |                |                  |                |                  |                  |                 |
| G284036            |                         | 26             | <20             | <0.01           | <10             | <10            | 51            | 10             | 1310           |                |                  |                |                  |                  |                 |
| G284037            |                         | 29             | <20             | 0.01            | <10             | <10            | 59            | 10             | 2390           |                |                  |                |                  |                  |                 |
| G284038            |                         | 93             | <20             | 0.01            | 10              | 10             | 52            | 20             | 3730           |                |                  |                |                  |                  |                 |
| G284039            |                         | 76             | <20             | <0.01           | <10             | 10             | 27            | <10            | 925            |                |                  |                |                  |                  |                 |
| G284040            |                         | 28             | <20             | 0.01            | <10             | 10             | 17            | 10             | 337            | 122            |                  |                |                  | 1.900            |                 |



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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-AA23      | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|---------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au Check ppm | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   |
|                    |                          | 0.02         | 0.005   | 0.005        | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        |
| G284041            |                          | 2.08         | 0.064   |              | 5.1      | 1.00     | 51       | 10       | 140      | 1.6      | 4        | 0.21     | 6.4      | 16       | 4        | 232      |
| G284042            |                          | 1.54         | 0.005   |              | 0.3      | 1.97     | 10       | <10      | 90       | 2.1      | <2       | 0.67     | 18.5     | 14       | 14       | 139      |
| G284043            |                          | 0.74         | <0.005  |              | 2.2      | 3.80     | 13       | <10      | >10000   | 4.2      | <2       | 2.41     | 109.5    | 10       | 45       | 40       |
| G284044            |                          | 0.74         | 0.218   |              | 23.6     | 1.03     | 23       | <10      | 380      | 2.8      | 104      | 0.41     | 23.5     | 9        | 10       | 77       |
| G284045            |                          | 1.10         | 0.006   |              | 5.4      | 0.99     | 15       | 10       | 160      | 1.6      | <2       | 0.59     | 10.7     | 6        | 5        | 25       |
| G284046            |                          | 0.66         | 0.011   |              | 14.9     | 1.05     | 29       | 10       | 130      | 2.5      | 5        | 0.52     | 127.0    | 13       | 7        | 294      |
| G284047            |                          | 1.48         | 1.590   |              | >100     | 0.09     | 506      | <10      | 20       | <0.5     | 54       | 0.02     | 164.0    | 1        | 6        | 571      |
| G284048            |                          | 1.78         | 0.024   |              | 5.0      | 1.70     | 145      | <10      | 70       | 2.2      | 7        | 0.68     | 16.9     | 14       | 81       | 246      |
| G284049            |                          | 1.12         | 3.51    |              | >100     | 0.26     | 4250     | 10       | 30       | <0.5     | 13       | 0.01     | 50.2     | <1       | 3        | 524      |
| G284050            |                          | 0.26         | 0.085   |              | 16.1     | 0.66     | 1795     | 10       | 190      | 1.2      | 3        | 0.07     | 6.7      | <1       | 2        | 191      |
| G284051            |                          | 0.98         | 0.170   |              | 86.2     | 0.48     | 2280     | 10       | 90       | 0.8      | 5        | 0.03     | 3.8      | <1       | 2        | 100      |
| G284052            |                          | 1.20         | 4.59    |              | >100     | 0.58     | 5540     | <10      | 70       | 0.9      | 37       | 0.05     | 15.8     | <1       | 2        | 500      |
| G284053            |                          | 1.68         | 0.029   |              | 27.9     | 0.73     | 272      | 10       | 180      | 1.4      | 10       | 0.07     | 3.8      | <1       | 4        | 290      |
| G284054            |                          | 1.32         | 0.429   |              | 79.1     | 0.87     | 574      | <10      | 140      | 1.3      | 8        | 0.14     | 7.3      | 2        | 4        | 821      |
| G284055            |                          | 0.58         | <0.005  |              | 0.4      | 1.02     | 56       | 10       | 40       | 3.2      | <2       | 2.11     | 4.1      | 24       | 53       | 4        |
| G284056            |                          | 0.88         | 0.028   |              | <0.2     | 0.39     | 143      | 10       | 40       | 3.4      | 3        | 0.17     | 35.9     | 30       | 17       | 14       |
| G284057            |                          | 0.92         | 0.007   |              | 0.5      | 0.66     | 113      | 10       | 20       | 3.8      | 2        | 0.14     | 3.7      | 12       | 26       | 15       |
| G284058            |                          | 1.54         | 0.015   |              | 0.6      | 2.09     | 260      | <10      | 30       | 3.1      | 2        | 0.54     | 6.2      | 13       | 75       | 17       |
| G284059            |                          | 0.96         | 0.008   |              | 0.4      | 2.28     | 91       | <10      | 20       | 4.8      | <2       | 0.70     | 4.1      | 13       | 86       | 5        |
| G284060            |                          | 1.30         | <0.005  |              | 0.6      | 2.16     | 87       | <10      | 20       | 2.5      | 2        | 0.97     | 1.9      | 20       | 176      | 3        |
| G284061            |                          | 1.42         | 0.007   |              | 12.5     | 0.90     | 628      | 10       | 120      | 2.4      | 2        | 0.06     | 3.9      | <1       | 17       | 356      |
| G284062            |                          | 0.80         | 0.142   |              | 47.9     | 0.43     | 1030     | 10       | 40       | <0.5     | 2        | 0.05     | 4.5      | 1        | 14       | 50       |
| G284063            |                          | 0.76         | 0.745   |              | >100     | 0.24     | 5440     | <10      | 90       | <0.5     | 3        | 0.03     | 130.0    | 1        | 17       | 519      |
| G284064            |                          | 0.98         | 1.245   |              | >100     | 0.25     | 6960     | 10       | 260      | <0.5     | 2        | 0.02     | 22.6     | 1        | 16       | 433      |
| G284065            |                          | 1.02         | 0.311   |              | 66.0     | 0.33     | 588      | <10      | 40       | <0.5     | 4        | 0.04     | 2.7      | 1        | 9        | 91       |
| G284066            |                          | 1.32         | 0.011   |              | 5.4      | 0.83     | 128      | 10       | 130      | 2.2      | 4        | 0.07     | 4.3      | 4        | 14       | 159      |
| G284067            |                          | 1.06         | 0.005   |              | 1.3      | 2.42     | 31       | <10      | 30       | 2.1      | <2       | 1.11     | 1.6      | 13       | 92       | 4        |
| G284068            |                          | 1.34         | <0.005  |              | 0.8      | 0.86     | 14       | <10      | 90       | 1.3      | 4        | 0.44     | 1.3      | 17       | 36       | 13       |
| G284069            |                          | 0.38         | <0.005  |              | <0.2     | 2.36     | 24       | <10      | 40       | 5.8      | <2       | 1.18     | 0.5      | 24       | 97       | 4        |
| G284070            |                          | 0.40         | <0.005  |              | <0.2     | 2.55     | 17       | <10      | 60       | 2.1      | <2       | 1.00     | <0.5     | 20       | 143      | 24       |
| G284071            |                          | 1.56         | <0.005  |              | <0.2     | 2.63     | 14       | <10      | 80       | 3.0      | 2        | 1.12     | 1.2      | 15       | 161      | 101      |
| G284072            |                          | 0.96         | <0.005  |              | <0.2     | 0.91     | 21       | <10      | 50       | 0.7      | <2       | 0.78     | <0.5     | 10       | 45       | 60       |
| G284073            |                          | 0.80         | 0.020   |              | 0.5      | 1.17     | 46       | <10      | 30       | 2.7      | 2        | 0.82     | 0.6      | 17       | 29       | 75       |
| G284074            |                          | 1.42         | <0.005  |              | <0.2     | 2.59     | 13       | <10      | 20       | 2.7      | <2       | 1.49     | <0.5     | 9        | 45       | 53       |
| G284075            |                          | 1.02         | <0.005  |              | <0.2     | 1.11     | 11       | <10      | 20       | 1.6      | 3        | 2.36     | <0.5     | 7        | 55       | 66       |
| G284076            |                          | 0.84         | <0.005  |              | 1.3      | 2.06     | 17       | <10      | 30       | 2.9      | <2       | 1.12     | 0.6      | 4        | 20       | 59       |
| G284077            |                          | 1.64         | 0.064   |              | 6.1      | 1.86     | 43       | <10      | 80       | 2.4      | 3        | 0.97     | 5.6      | 21       | 20       | 97       |
| G284078            |                          | 0.96         | 0.230   |              | 25.1     | 0.64     | 257      | 10       | 50       | 2.8      | 2        | 0.49     | 2.1      | 26       | 14       | 199      |
| G284079            |                          | 1.14         | <0.005  |              | 20.5     | 1.39     | 38       | <10      | 50       | 1.2      | <2       | 1.28     | 22.5     | 13       | 95       | 52       |
| G284080            |                          | 0.66         | 0.580   |              | >100     | 0.21     | 227      | <10      | 50       | 1.2      | 4        | 1.23     | 308      | 11       | 6        | 1940     |





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## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |    |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
|                    | Analyte | Fe       | Ga       | Hg       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       |    |
| Units              |         | %        | ppm      | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      |    |
| LOR                |         | 0.01     | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        |    |
| G284041            |         | 6.33     | <10      | <1       | 0.60     | 40       | 0.06     | 3940     | 2        | 0.02     | 7        | 1830     | 2760     | 0.60     | 22       | 3  |
| G284042            |         | 3.95     | 10       | <1       | 0.26     | 30       | 0.84     | 8930     | 2        | 0.01     | 24       | 2080     | 140      | 0.01     | 5        | 4  |
| G284043            |         | 4.07     | 10       | 1        | 0.21     | 50       | 0.91     | 2490     | <1       | 0.06     | 20       | 2600     | 316      | 0.02     | 10       | 7  |
| G284044            |         | 6.66     | 10       | <1       | 0.19     | 20       | 0.21     | 1905     | 1        | 0.01     | 8        | 750      | 815      | 0.03     | 47       | 3  |
| G284045            |         | 1.57     | <10      | <1       | 0.34     | 30       | 0.14     | 1080     | <1       | 0.01     | 9        | 1870     | 257      | 0.01     | 10       | 2  |
| G284046            |         | 3.22     | <10      | <1       | 0.36     | 30       | 0.13     | 3570     | 1        | 0.01     | 12       | 1900     | 1430     | <0.01    | 105      | 3  |
| G284047            |         | 0.95     | <10      | 16       | 0.05     | <10      | 0.01     | 60       | 97       | <0.01    | <1       | 80       | >10000   | 0.21     | 4490     | <1 |
| G284048            |         | 3.69     | 10       | <1       | 0.22     | 20       | 1.41     | 2550     | 1        | 0.04     | 29       | 2160     | 905      | 0.86     | 20       | 6  |
| G284049            |         | 1.37     | <10      | <1       | 0.18     | 10       | 0.01     | 113      | 2        | 0.01     | 1        | 520      | >10000   | 4.59     | 623      | 1  |
| G284050            |         | 6.39     | <10      | <1       | 1.05     | 20       | 0.06     | 183      | 2        | 0.04     | <1       | 2060     | 6280     | 1.71     | 107      | 2  |
| G284051            |         | 1.98     | <10      | <1       | 0.41     | 10       | 0.03     | 141      | 2        | 0.01     | 1        | 830      | 6890     | 0.47     | 155      | 1  |
| G284052            |         | 3.29     | <10      | 1        | 0.42     | 10       | 0.04     | 184      | 5        | 0.03     | 2        | 1330     | >10000   | 1.14     | 937      | 2  |
| G284053            |         | 3.66     | <10      | <1       | 0.43     | 20       | 0.12     | 137      | 3        | 0.04     | 3        | 1430     | 910      | 0.62     | 18       | 2  |
| G284054            |         | 2.46     | <10      | 1        | 0.22     | 10       | 0.18     | 410      | 3        | 0.01     | 4        | 1270     | >10000   | 0.48     | 278      | 2  |
| G284055            |         | 3.37     | <10      | <1       | 0.29     | 30       | 0.28     | 7660     | 3        | 0.02     | 48       | 2400     | 148      | 0.27     | 2        | 7  |
| G284056            |         | 4.25     | <10      | <1       | 0.20     | 20       | 0.05     | 37400    | 55       | 0.02     | 81       | 780      | 425      | <0.01    | 6        | 7  |
| G284057            |         | 6.58     | <10      | <1       | 0.30     | 30       | 0.06     | 855      | 6        | 0.01     | 49       | 1510     | 794      | <0.01    | <2       | 8  |
| G284058            |         | 6.97     | 10       | <1       | 0.21     | 30       | 0.38     | 1305     | 4        | 0.01     | 66       | 1810     | 673      | 0.13     | 2        | 10 |
| G284059            |         | 5.05     | <10      | <1       | 0.16     | 20       | 0.37     | 884      | <1       | 0.01     | 41       | 2140     | 211      | <0.01    | <2       | 10 |
| G284060            |         | 4.52     | 10       | <1       | 0.05     | 20       | 1.97     | 1290     | 1        | 0.05     | 67       | 2590     | 95       | <0.01    | <2       | 11 |
| G284061            |         | 4.95     | <10      | 1        | 0.47     | 20       | 0.07     | 145      | 1        | 0.03     | 8        | 2510     | 2550     | 0.52     | 20       | 4  |
| G284062            |         | 3.31     | <10      | <1       | 0.67     | 10       | 0.06     | 197      | 91       | 0.02     | 3        | 540      | 4510     | 1.07     | 147      | 1  |
| G284063            |         | 3.05     | <10      | 2        | 0.16     | <10      | 0.04     | 157      | 9        | 0.02     | 5        | 540      | >10000   | 0.77     | 1565     | 2  |
| G284064            |         | 2.98     | <10      | 1        | 0.28     | 10       | 0.02     | 145      | 13       | 0.01     | 4        | 500      | >10000   | 1.10     | 609      | 1  |
| G284065            |         | 1.75     | <10      | <1       | 0.25     | 10       | 0.03     | 167      | 10       | 0.04     | 2        | 900      | 3820     | 0.44     | 126      | 1  |
| G284066            |         | 3.38     | <10      | <1       | 0.39     | 20       | 0.06     | 467      | <1       | 0.02     | 11       | 1630     | 712      | 0.28     | 11       | 3  |
| G284067            |         | 4.85     | 10       | <1       | 0.17     | 30       | 1.73     | 1095     | 1        | 0.04     | 43       | 2360     | 63       | 0.74     | 3        | 4  |
| G284068            |         | 3.70     | <10      | 1        | 0.20     | 20       | 0.30     | 1140     | 2        | 0.01     | 30       | 1930     | 99       | 0.98     | 4        | 3  |
| G284069            |         | 4.58     | 10       | 1        | 0.29     | 30       | 0.67     | 1375     | 1        | 0.01     | 75       | 2540     | 27       | 0.47     | <2       | 7  |
| G284070            |         | 3.36     | 10       | <1       | 0.30     | 20       | 1.33     | 1705     | <1       | 0.01     | 52       | 2680     | 11       | 0.05     | <2       | 10 |
| G284071            |         | 3.91     | 10       | <1       | 0.28     | 20       | 2.60     | 1250     | <1       | 0.06     | 84       | 2490     | 11       | 0.22     | <2       | 7  |
| G284072            |         | 3.77     | 10       | <1       | 0.31     | 20       | 0.64     | 626      | <1       | 0.09     | 27       | 2110     | 24       | <0.01    | 2        | 4  |
| G284073            |         | 4.50     | <10      | <1       | 0.22     | 30       | 0.18     | 9610     | 2        | 0.02     | 31       | 2230     | 40       | <0.01    | 11       | 6  |
| G284074            |         | 3.20     | 10       | <1       | 0.23     | 30       | 0.61     | 2080     | 1        | 0.02     | 23       | 2150     | 12       | <0.01    | 2        | 7  |
| G284075            |         | 4.12     | 10       | 1        | 0.11     | 30       | 0.26     | 836      | 1        | 0.06     | 22       | 2170     | 21       | <0.01    | <2       | 8  |
| G284076            |         | 1.71     | 10       | 1        | 0.24     | 30       | 0.55     | 1040     | 1        | 0.01     | 11       | 1960     | 70       | <0.01    | 2        | 4  |
| G284077            |         | 2.71     | 10       | <1       | 0.16     | 30       | 0.36     | 19100    | 3        | 0.01     | 26       | 1920     | 131      | <0.01    | 10       | 5  |
| G284078            |         | 3.48     | <10      | 1        | 0.29     | 30       | 0.08     | 5070     | 6        | 0.01     | 15       | 2150     | 336      | <0.01    | 69       | 4  |
| G284079            |         | 3.26     | 10       | <1       | 0.93     | 20       | 1.27     | 11950    | 1        | 0.05     | 94       | 2680     | 660      | 0.04     | 11       | 4  |
| G284080            |         | 2.21     | <10      | <1       | 0.10     | <10      | 0.17     | 36900    | 1        | 0.01     | 43       | 370      | >10000   | 5.83     | 1465     | 1  |



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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Zn-OG46 | Ag-GRA21 | Cu-OG46 | Pb-OG46 | Pb-VOL70 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|----------|
|                    |                          | Sr       | Th       | Ti       | Ti       | U        | V        | W        | Zn       | Ag      | Zn      | Ag       | Cu      | Pb      | Pb       |
|                    |                          | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | ppm     | %       | ppm      | %       | %       | %        |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 1       | 0.001   | 5        | 0.001   | 0.001   | 0.01     |
| G284041            |                          | 92       | <20      | <0.01    | <10      | 10       | 31       | 10       | 996      |         |         |          |         |         |          |
| G284042            |                          | 58       | <20      | 0.01     | 10       | <10      | 60       | 20       | 4220     |         |         |          |         |         |          |
| G284043            |                          | 166      | <20      | 0.20     | <10      | <10      | 80       | 30       | 5630     |         |         |          |         |         |          |
| G284044            |                          | 50       | <20      | 0.02     | <10      | 10       | 50       | 70       | 2130     |         |         |          |         |         |          |
| G284045            |                          | 41       | <20      | <0.01    | <10      | <10      | 21       | 10       | 3270     |         |         |          |         |         |          |
| G284046            |                          | 38       | <20      | 0.01     | <10      | 10       | 35       | <10      | >10000   |         | 1.440   |          |         |         |          |
| G284047            |                          | 18       | <20      | <0.01    | <10      | 20       | 6        | <10      | 272      | >1500   |         | 1960     |         | >20.0   | 28.31    |
| G284048            |                          | 33       | <20      | 0.05     | <10      | <10      | 90       | <10      | 1110     |         |         |          |         |         |          |
| G284049            |                          | 68       | <20      | <0.01    | <10      | <10      | 4        | <10      | 436      | 613     |         |          |         | >20.0   | 28.94    |
| G284050            |                          | 87       | <20      | <0.01    | <10      | <10      | 15       | <10      | 761      |         |         |          |         |         |          |
| G284051            |                          | 25       | <20      | <0.01    | <10      | <10      | 9        | <10      | 395      |         |         |          |         |         |          |
| G284052            |                          | 85       | <20      | <0.01    | <10      | <10      | 12       | <10      | 727      | 332     |         |          |         | 3.59    |          |
| G284053            |                          | 50       | <20      | 0.01     | <10      | <10      | 31       | <10      | 549      |         |         |          |         |         |          |
| G284054            |                          | 62       | <20      | <0.01    | <10      | <10      | 23       | <10      | 1190     |         |         |          |         | 2.07    |          |
| G284055            |                          | 46       | <20      | 0.01     | 10       | <10      | 43       | <10      | 765      |         |         |          |         |         |          |
| G284056            |                          | 200      | <20      | <0.01    | 30       | 20       | 24       | 10       | 2070     |         |         |          |         |         |          |
| G284057            |                          | 28       | <20      | <0.01    | <10      | 10       | 25       | 10       | 1540     |         |         |          |         |         |          |
| G284058            |                          | 136      | <20      | <0.01    | <10      | 10       | 80       | 10       | 1250     |         |         |          |         |         |          |
| G284059            |                          | 25       | <20      | <0.01    | <10      | 10       | 61       | <10      | 1370     |         |         |          |         |         |          |
| G284060            |                          | 29       | <20      | 0.01     | <10      | <10      | 111      | <10      | 446      |         |         |          |         |         |          |
| G284061            |                          | 54       | <20      | <0.01    | <10      | <10      | 25       | <10      | 814      |         |         |          |         |         |          |
| G284062            |                          | 14       | <20      | <0.01    | <10      | <10      | 13       | <10      | 99       |         |         |          |         |         |          |
| G284063            |                          | 9        | <20      | 0.01     | <10      | <10      | 9        | 190      | 677      | 150     |         |          |         | 1.635   |          |
| G284064            |                          | 16       | <20      | <0.01    | <10      | <10      | 10       | 20       | 355      | 312     |         |          |         | 1.455   |          |
| G284065            |                          | 19       | <20      | <0.01    | <10      | <10      | 9        | <10      | 181      |         |         |          |         |         |          |
| G284066            |                          | 45       | <20      | <0.01    | <10      | <10      | 20       | <10      | 812      |         |         |          |         |         |          |
| G284067            |                          | 32       | <20      | 0.01     | <10      | <10      | 88       | <10      | 421      |         |         |          |         |         |          |
| G284068            |                          | 24       | <20      | <0.01    | <10      | <10      | 45       | <10      | 240      |         |         |          |         |         |          |
| G284069            |                          | 25       | <20      | 0.01     | <10      | <10      | 76       | <10      | 223      |         |         |          |         |         |          |
| G284070            |                          | 24       | <20      | 0.02     | <10      | <10      | 93       | <10      | 149      |         |         |          |         |         |          |
| G284071            |                          | 42       | <20      | 0.18     | <10      | <10      | 116      | <10      | 305      |         |         |          |         |         |          |
| G284072            |                          | 41       | <20      | 0.21     | <10      | <10      | 118      | <10      | 50       |         |         |          |         |         |          |
| G284073            |                          | 140      | <20      | 0.01     | 10       | <10      | 58       | 10       | 119      |         |         |          |         |         |          |
| G284074            |                          | 93       | <20      | 0.02     | <10      | <10      | 97       | <10      | 72       |         |         |          |         |         |          |
| G284075            |                          | 52       | <20      | 0.06     | <10      | <10      | 115      | <10      | 103      |         |         |          |         |         |          |
| G284076            |                          | 46       | 20       | 0.02     | <10      | <10      | 53       | <10      | 172      |         |         |          |         |         |          |
| G284077            |                          | 313      | <20      | <0.01    | 10       | 10       | 50       | <10      | 493      |         |         |          |         |         |          |
| G284078            |                          | 52       | <20      | 0.01     | <10      | <10      | 24       | <10      | 591      |         |         |          |         |         |          |
| G284079            |                          | 62       | <20      | 0.16     | 10       | <10      | 79       | 20       | 3650     |         |         |          |         |         |          |
| G284080            |                          | 186      | <20      | <0.01    | 30       | 20       | 5        | 30       | >10000   | >1500   | 4.00    | 2810     |         | >20.0   | 30.36    |



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## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-AA23      | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|---------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au Check ppm | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   |
|                    |                          | 0.02         | 0.005   | 0.005        | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        |
| G284081            |                          | 0.32         | 0.009   |              | 30.2     | 0.71     | 83       | 10       | 40       | 2.0      | 4        | 1.37     | 43.3     | 20       | 35       | 130      |
| G284082            |                          | 1.72         | 0.018   |              | 15.8     | 2.14     | 50       | <10      | 50       | 3.0      | 2        | 4.15     | 9.4      | 21       | 149      | 169      |
| G284083            |                          | 1.08         | 0.260   |              | >100     | 0.03     | 27       | <10      | <10      | 0.5      | <2       | 0.65     | 297      | 7        | 1        | 246      |
| G284084            |                          | 1.06         | 0.005   |              | 4.9      | 2.00     | 14       | <10      | 70       | 1.1      | <2       | 1.49     | 1.1      | 20       | 184      | 122      |
| G284085            |                          | 1.22         | <0.005  |              | 0.4      | 1.54     | 26       | <10      | 30       | 2.0      | <2       | 1.54     | 0.9      | 6        | 120      | 19       |
| G284086            |                          | 0.52         | <0.005  |              | 0.6      | 1.86     | 64       | <10      | 10       | 3.5      | <2       | 1.12     | <0.5     | 15       | 86       | 6        |
| G284087            |                          | 0.62         | <0.005  |              | 0.3      | 1.83     | 50       | <10      | 20       | 2.2      | 2        | 2.07     | <0.5     | 14       | 148      | 18       |
| G284088            |                          | 0.90         | 0.009   |              | 0.5      | 1.98     | 86       | <10      | 80       | 3.8      | 3        | 3.20     | 0.6      | 17       | 110      | 53       |
| G284089            |                          | 2.26         | 0.017   |              | 0.9      | 1.72     | 61       | <10      | 30       | 3.2      | 2        | 1.12     | 2.9      | 18       | 73       | 103      |
| G284090            |                          | 0.96         | 0.010   |              | 0.8      | 1.91     | 43       | <10      | 30       | 2.4      | 2        | 0.91     | 2.8      | 17       | 129      | 75       |
| G284091            |                          | 2.00         | 0.008   |              | 2.3      | 0.69     | 121      | 10       | 170      | 1.5      | 3        | 0.64     | 3.5      | 21       | 43       | 33       |
| G284092            |                          | 0.56         | 0.024   |              | 8.9      | 0.58     | 181      | <10      | 40       | 1.4      | 12       | 0.09     | 0.9      | 8        | 20       | 262      |
| G284093            |                          | 0.54         | 0.037   |              | >100     | 0.30     | 391      | <10      | 110      | 1.2      | 7        | 0.05     | 29.5     | 23       | 7        | 2530     |
| G284094            |                          | 0.44         | 0.023   |              | 8.0      | 1.07     | 160      | <10      | 110      | 3.7      | 5        | 0.16     | 0.9      | 10       | 30       | 177      |
| G284095            |                          | 1.30         | 0.005   |              | 1.0      | 1.94     | 96       | <10      | 480      | 3.6      | <2       | 0.68     | 13.3     | 50       | 108      | 145      |
| G284096            |                          | 2.60         | 0.006   |              | 0.6      | 1.93     | 62       | <10      | 60       | 1.5      | <2       | 0.53     | 0.5      | 8        | 147      | 13       |
| G284097            |                          | 0.32         | 0.009   |              | 0.2      | 1.41     | 104      | <10      | 160      | 1.1      | 15       | 0.31     | <0.5     | 3        | 137      | 10       |
| G284098            |                          | 1.36         | <0.005  |              | 0.3      | 2.07     | 35       | <10      | 40       | 1.4      | 3        | 0.67     | <0.5     | 12       | 158      | 7        |
| G284099            |                          | 2.06         | <0.005  |              | 0.2      | 1.70     | 11       | <10      | 50       | 1.9      | <2       | 2.72     | 7.6      | 18       | 146      | 55       |
| G284100            |                          | 0.48         | 0.006   |              | >100     | 1.66     | 32       | <10      | 160      | 3.1      | 6        | 1.69     | 21.0     | 15       | 98       | 399      |
| G284101            |                          | 1.22         | 0.078   |              | >100     | 0.13     | 78       | <10      | 50       | 0.5      | 24       | 2.35     | 82.2     | 3        | 6        | 1880     |
| G284102            |                          | 0.42         | 0.049   |              | >100     | 0.47     | 61       | <10      | 260      | 1.2      | 4        | 0.34     | 54.6     | 8        | 13       | 869      |
| G284103            |                          | 0.74         | <0.005  |              | >100     | 0.36     | 65       | 10       | 320      | 0.8      | <2       | 0.30     | 24.6     | 3        | 16       | 805      |
| G284104            |                          | 0.64         | <0.005  |              | 0.4      | 1.10     | 16       | 10       | 60       | 2.9      | 3        | 2.47     | 25.3     | 14       | 82       | 17       |
| G284105            |                          | 0.94         | 0.091   | 0.091        | >100     | 0.01     | 107      | <10      | 10       | <0.5     | 74       | 0.01     | 167.5    | <1       | 1        | 2580     |
| G284106            |                          | 0.74         | 0.013   |              | 17.3     | 0.60     | 77       | 10       | 70       | 1.5      | 7        | 0.54     | 34.4     | 15       | 28       | 2980     |
| G284107            |                          | 0.74         | 0.237   | 0.322        | >100     | 0.72     | 55       | <10      | 30       | 1.2      | 413      | 0.11     | 5.7      | 7        | 19       | 5850     |
| G284108            |                          | 1.68         | 0.695   | 0.706        | >100     | 0.07     | 1250     | <10      | 70       | 0.7      | 231      | 0.02     | 346      | 1        | 1        | >10000   |
| G284109            |                          | 0.48         | 0.033   |              | 14.2     | 0.92     | 63       | 10       | 150      | 2.0      | 20       | 0.15     | 7.0      | 11       | 30       | 2830     |
| G284110            |                          | 0.92         | 0.174   |              | 45.8     | 0.65     | 137      | <10      | 80       | 2.1      | 22       | 0.16     | 17.8     | 10       | 27       | 2720     |





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Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Fe %     | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   |
| G284081            |                          | 2.84     | 10       | <1       | 0.43     | 20       | 0.30     | 43800    | 1        | 0.03     | 61       | 2700     | 2350     | 0.26     | 36       | 7        |
| G284082            |                          | 3.27     | 10       | <1       | 0.44     | 20       | 1.42     | 13600    | 2        | 0.02     | 126      | 2550     | 1500     | 0.27     | 14       | 7        |
| G284083            |                          | 0.25     | <10      | 1        | 0.01     | <10      | 0.02     | 5280     | <1       | 0.01     | 5        | 30       | >10000   | >10.0    | 1015     | <1       |
| G284084            |                          | 3.95     | 10       | <1       | 1.17     | 20       | 2.23     | 1100     | 2        | 0.08     | 122      | 2810     | 1575     | 0.20     | <2       | 5        |
| G284085            |                          | 3.82     | 10       | <1       | 0.08     | 20       | 1.29     | 931      | 1        | 0.06     | 50       | 2700     | 83       | <0.01    | <2       | 5        |
| G284086            |                          | 2.80     | 10       | <1       | 0.04     | 30       | 0.78     | 1025     | 2        | 0.02     | 37       | 2720     | 187      | <0.01    | <2       | 7        |
| G284087            |                          | 3.77     | 10       | <1       | 0.06     | 30       | 1.22     | 938      | 4        | 0.05     | 48       | 2940     | 43       | 0.21     | <2       | 10       |
| G284088            |                          | 4.03     | 10       | <1       | 0.05     | 30       | 0.79     | 1960     | 2        | 0.03     | 42       | 2550     | 71       | 0.04     | <2       | 9        |
| G284089            |                          | 3.42     | 10       | <1       | 0.06     | 40       | 0.66     | 2710     | 2        | 0.02     | 40       | 2550     | 144      | <0.01    | 8        | 6        |
| G284090            |                          | 4.10     | 10       | <1       | 0.08     | 20       | 1.31     | 3620     | 3        | 0.03     | 51       | 2700     | 119      | <0.01    | 3        | 8        |
| G284091            |                          | 4.39     | <10      | <1       | 0.29     | 20       | 0.11     | 10350    | 2        | 0.01     | 55       | 2280     | 1060     | 1.02     | 3        | 5        |
| G284092            |                          | 4.20     | <10      | <1       | 0.20     | 20       | 0.04     | 2210     | 9        | 0.02     | 25       | 1190     | 6640     | 0.19     | 86       | 2        |
| G284093            |                          | 4.25     | 10       | <1       | 0.10     | <10      | <0.01    | 40300    | 14       | 0.01     | 35       | 310      | >10000   | 1.23     | 1150     | 2        |
| G284094            |                          | 3.87     | <10      | <1       | 0.35     | 40       | 0.10     | 1270     | 9        | 0.02     | 21       | 1500     | 3360     | 0.42     | 27       | 5        |
| G284095            |                          | 3.13     | 10       | 1        | 0.12     | 30       | 0.31     | 16000    | 2        | 0.01     | 73       | 2890     | 403      | 0.08     | 9        | 10       |
| G284096            |                          | 3.37     | 10       | <1       | 0.14     | 30       | 1.44     | 791      | 3        | 0.05     | 35       | 2620     | 79       | 0.25     | <2       | 6        |
| G284097            |                          | 8.82     | 10       | <1       | 0.60     | 20       | 1.21     | 311      | 3        | 0.21     | 12       | 2500     | 80       | 1.91     | <2       | 6        |
| G284098            |                          | 3.86     | 10       | <1       | 0.08     | 30       | 2.01     | 761      | 3        | 0.05     | 42       | 2610     | 42       | 0.17     | <2       | 7        |
| G284099            |                          | 3.95     | 10       | <1       | 0.09     | 20       | 1.85     | 1105     | 1        | 0.06     | 52       | 2670     | 93       | 0.04     | 6        | 8        |
| G284100            |                          | 3.67     | 10       | <1       | 0.14     | 20       | 0.37     | 6970     | 3        | 0.02     | 50       | 2310     | >10000   | 0.55     | 239      | 9        |
| G284101            |                          | 1.08     | <10      | <1       | 0.06     | <10      | 0.04     | 7740     | 6        | 0.01     | 8        | 170      | >10000   | 5.90     | 1295     | 1        |
| G284102            |                          | 1.86     | <10      | <1       | 0.23     | 20       | 0.04     | 13800    | 2        | 0.01     | 10       | 1390     | >10000   | 1.36     | 624      | 2        |
| G284103            |                          | 1.41     | <10      | <1       | 0.20     | 10       | 0.04     | 5970     | 6        | 0.01     | 3        | 880      | >10000   | 0.48     | 535      | 1        |
| G284104            |                          | 3.90     | 10       | <1       | 0.29     | 30       | 0.66     | 9460     | 1        | 0.02     | 39       | 2640     | 315      | 0.07     | 10       | 10       |
| G284105            |                          | 0.14     | <10      | 1        | <0.01    | <10      | <0.01    | 84       | <1       | 0.01     | <1       | 10       | >10000   | >10.0    | 2870     | <1       |
| G284106            |                          | 5.38     | <10      | <1       | 0.30     | 20       | 0.25     | 6530     | 3        | 0.02     | 28       | 2490     | 3080     | 0.89     | 12       | 5        |
| G284107            |                          | 6.31     | <10      | <1       | 0.15     | 10       | 0.09     | 874      | 9        | 0.02     | 10       | 670      | >10000   | 0.58     | 198      | 2        |
| G284108            |                          | 4.23     | <10      | 15       | 0.01     | <10      | <0.01    | 6240     | 1        | 0.01     | 1        | 20       | >10000   | 3.27     | >10000   | 1        |
| G284109            |                          | 10.85    | <10      | 1        | 0.65     | 10       | 0.11     | 1000     | 1        | 0.03     | 16       | 2110     | 2780     | 1.09     | 67       | 5        |
| G284110            |                          | 6.36     | <10      | <1       | 0.32     | 20       | 0.08     | 1675     | 5        | 0.03     | 14       | 2000     | 6580     | 0.69     | 241      | 4        |



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Total # Pages: 4 (A - C)

Finalized Date: 17-SEP-2009

Account: F

Project: Prospector Mountain

## CERTIFICATE OF ANALYSIS VA09093546

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Ag-OG46 | Zn-OG46 | Ag-GRA21 | Cu-OG46 | Pb-OG46 | Pb-VOL70 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|----------|---------|---------|----------|
|                    |                          | Sr ppm   | Th ppm   | Ti %     | Ti ppm   | U ppm    | V ppm    | W ppm    | Zn ppm   | Ag ppm  | Zn %    | Ag ppm   | Cu %    | Pb %    | Pb %     |
|                    |                          | 1        | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 1       | 0.001   | 5        | 0.001   | 0.001   | 0.01     |
| G284081            |                          | 145      | <20      | <0.01    | 30       | 20       | 21       | 30       | 5470     |         |         |          |         |         |          |
| G284082            |                          | 131      | <20      | 0.06     | <10      | <10      | 82       | <10      | 1815     |         |         |          |         |         |          |
| G284083            |                          | 18       | <20      | <0.01    | <10      | <10      | 1        | 20       | >10000   | 1450    | 4.10    |          |         | >20.0   | 74.42    |
| G284084            |                          | 64       | <20      | 0.30     | <10      | <10      | 134      | <10      | 305      |         |         |          |         |         |          |
| G284085            |                          | 48       | <20      | 0.13     | <10      | <10      | 96       | <10      | 167      |         |         |          |         |         |          |
| G284086            |                          | 28       | <20      | <0.01    | <10      | <10      | 67       | <10      | 69       |         |         |          |         |         |          |
| G284087            |                          | 58       | <20      | 0.03     | <10      | <10      | 112      | <10      | 86       |         |         |          |         |         |          |
| G284088            |                          | 68       | <20      | 0.01     | <10      | <10      | 89       | <10      | 91       |         |         |          |         |         |          |
| G284089            |                          | 36       | <20      | <0.01    | <10      | <10      | 59       | <10      | 553      |         |         |          |         |         |          |
| G284090            |                          | 41       | <20      | 0.09     | <10      | <10      | 102      | <10      | 568      |         |         |          |         |         |          |
| G284091            |                          | 26       | <20      | <0.01    | <10      | <10      | 29       | <10      | 542      |         |         |          |         |         |          |
| G284092            |                          | 26       | <20      | <0.01    | <10      | <10      | 15       | <10      | 579      |         |         |          |         |         |          |
| G284093            |                          | 56       | <20      | <0.01    | 10       | 10       | 7        | <10      | 2220     | 101     |         |          |         | 4.68    |          |
| G284094            |                          | 155      | <20      | <0.01    | <10      | <10      | 23       | <10      | 644      |         |         |          |         |         |          |
| G284095            |                          | 85       | <20      | <0.01    | 10       | 10       | 79       | <10      | 833      |         |         |          |         |         |          |
| G284096            |                          | 30       | <20      | <0.01    | <10      | <10      | 81       | <10      | 205      |         |         |          |         |         |          |
| G284097            |                          | 88       | <20      | <0.01    | <10      | <10      | 87       | <10      | 119      |         |         |          |         |         |          |
| G284098            |                          | 40       | <20      | <0.01    | <10      | <10      | 106      | <10      | 136      |         |         |          |         |         |          |
| G284099            |                          | 97       | <20      | 0.14     | <10      | <10      | 100      | <10      | 1265     |         |         |          |         |         |          |
| G284100            |                          | 56       | <20      | <0.01    | <10      | <10      | 75       | 10       | 2370     | 93      |         |          |         | 3.93    |          |
| G284101            |                          | 73       | <20      | <0.01    | <10      | <10      | 4        | 10       | 4550     | 696     |         |          |         | 19.55   |          |
| G284102            |                          | 48       | <20      | <0.01    | 10       | <10      | 11       | 10       | 3000     | 290     |         |          |         | 12.55   |          |
| G284103            |                          | 28       | <20      | <0.01    | <10      | <10      | 8        | <10      | 1220     | 101     |         |          |         | 1.420   |          |
| G284104            |                          | 92       | <20      | 0.05     | <10      | 10       | 63       | 10       | 2710     |         |         |          |         |         |          |
| G284105            |                          | 4        | <20      | <0.01    | <10      | <10      | <1       | 20       | >10000   | 1370    | 0.970   |          |         | >20.0   | 78.04    |
| G284106            |                          | 29       | <20      | <0.01    | <10      | <10      | 22       | <10      | 1840     |         |         |          |         |         |          |
| G284107            |                          | 18       | <20      | <0.01    | <10      | 10       | 38       | 10       | 1205     | 178     |         |          |         | 2.27    |          |
| G284108            |                          | 17       | <20      | <0.01    | <10      | <10      | 4        | 10       | 1375     | >1500   |         | 1840     | 3.46    | >20.0   | 28.78    |
| G284109            |                          | 50       | <20      | <0.01    | <10      | 10       | 40       | 10       | 1565     |         |         |          |         |         |          |
| G284110            |                          | 37       | <20      | <0.01    | <10      | <10      | 31       | 30       | 950      |         |         |          |         |         |          |



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Finalized Date: 29-JUL-2009  
Page: 1  
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## CERTIFICATE VA09073356

Project: PROSPECTOR MTN.

P.O. No.:

This report is for 35 Rock samples submitted to our lab in Vancouver, BC, Canada on 20-JUL-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-21   | Sample logging - ClientBarCode |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| CRU-QC   | Crushing QC Test               |

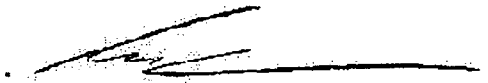
## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| Cu-OG46  | Ore Grade Cu - Aqua Regia      | VARIABLE   |
| Pb-OG46  | Ore Grade Pb - Aqua Regia      | VARIABLE   |
| Pb-VOL70 | Pb by Titration                |            |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |
| Au-GRA21 | Au 30g FA-GRAV finish          | WST-SIM    |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Ag-OG46  | Ore Grade Ag - Aqua Regia      | VARIABLE   |
| ME-OG46  | Ore Grade Elements - AquaRegia | ICP-AES    |

To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager





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Total # Pages: 1 A - C)

Finalized Date: 29-JUL-2009

Account: F

Project: PROSPECTOR MTN.

## CERTIFICATE OF ANALYSIS VA09073356

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-AA23 | Au-GRA21 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|--------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Recvd Wt. kg | Au ppm  | Au ppm   | Ag ppm   | Al %     | As ppm   | B ppm    | Ba ppm   | Be ppm   | Bi ppm   | Ca %     | Cd ppm   | Co ppm   | Cr ppm   | Cu ppm   |
| H884001            |                          | 0.08         | 0.009   |          | 0.6      | 0.42     | 26       | 10       | 140      | <0.5     | 6        | 0.08     | <0.5     | 5        | 18       | 18       |
| H884002            |                          | 0.72         | 0.138   |          | 2.0      | 0.20     | 125      | 20       | 40       | 0.9      | 208      | 0.04     | 0.6      | 26       | 12       | 91       |
| H884003            |                          | 0.88         | 0.092   |          | 0.5      | 0.47     | 174      | <10      | 50       | 0.5      | 2        | 0.03     | 1.0      | 2        | 11       | 6        |
| H884004            |                          | 0.64         | <0.005  |          | 0.8      | 0.46     | 32       | 20       | 40       | 0.9      | 44       | 0.25     | <0.5     | 2        | 19       | 16       |
| H884005            |                          | 1.46         | 3.10    |          | >100     | 0.36     | 609      | <10      | 50       | 0.6      | 26       | 0.01     | 2.4      | <1       | 6        | 409      |
| H884006            |                          | 0.90         | 1.100   |          | >100     | 0.28     | 593      | <10      | 50       | <0.5     | 15       | 0.01     | 5.0      | 1        | 5        | 393      |
| H884007            |                          | 1.40         | 0.275   |          | 3.0      | 0.42     | 17       | 40       | 40       | 0.7      | 3        | 0.12     | <0.5     | 45       | 8        | 9        |
| H884008            |                          | 1.56         | 0.033   |          | 22.4     | 0.81     | 8        | 10       | 50       | 1.5      | 200      | 0.57     | 0.6      | 9        | 15       | 2190     |
| H884009            |                          | 0.56         | 0.092   |          | 3.1      | 0.84     | 49       | <10      | 60       | 8.0      | 6        | 0.27     | 1.4      | 9        | <1       | 60       |
| H884010            |                          | 0.76         | 0.056   |          | 0.5      | 0.47     | 47       | <10      | 10       | 2.2      | 3        | 0.05     | <0.5     | 4        | 3        | 13       |
| H884011            |                          | 0.42         | >10.0   | 18.50    | 31.2     | 0.36     | 753      | <10      | 20       | 1.3      | 609      | 0.03     | 0.7      | 24       | 14       | 4410     |
| H884012            |                          | 1.08         | >10.0   | 27.6     | >100     | 0.47     | 244      | <10      | 110      | 3.9      | 5600     | 0.04     | 0.8      | 27       | 5        | >10000   |
| H884013            |                          | 0.94         | 0.066   |          | 1.2      | 0.26     | 40       | <10      | 40       | <0.5     | 19       | 0.01     | <0.5     | 1        | 8        | 113      |
| H884014            |                          | 0.62         | 0.048   |          | 4.1      | 0.68     | 192      | <10      | 160      | 0.5      | 48       | 0.18     | 0.6      | 7        | 14       | 165      |
| H884015            |                          | 0.28         | 0.019   |          | 2.9      | 0.35     | 45       | <10      | 70       | 1.1      | 3        | 0.01     | <0.5     | <1       | 2        | 103      |
| H884016            |                          | 1.32         | 0.007   |          | 0.9      | 0.35     | 4        | 30       | 60       | <0.5     | 10       | 0.01     | <0.5     | <1       | 6        | 11       |
| H884017            |                          | 1.74         | <0.005  |          | 0.3      | 0.39     | 5        | 10       | 110      | <0.5     | 2        | 0.13     | <0.5     | 1        | 5        | 6        |
| H884018            |                          | 0.66         | 4.06    |          | >100     | 0.34     | 1015     | <10      | 10       | 1.0      | 86       | 0.04     | 15.2     | 1        | 6        | 571      |
| H884019            |                          | 0.20         | 1.390   |          | >100     | 0.31     | >10000   | <10      | 20       | 0.5      | 5        | <0.01    | 22.9     | <1       | 3        | 219      |
| H884020            |                          | 0.30         | 0.305   |          | 19.3     | 0.39     | 1570     | <10      | 70       | 1.5      | 24       | 0.04     | 67.1     | 18       | 2        | 305      |
| H884021            |                          | 0.20         | 0.102   |          | 8.8      | 0.41     | 669      | <10      | 40       | 0.6      | <2       | 0.02     | 1.5      | <1       | 4        | 14       |
| H884022            |                          | 0.66         | 0.155   |          | 19.4     | 0.45     | 509      | <10      | 20       | 0.5      | 8        | 0.14     | 21.1     | 5        | 7        | 382      |
| H884023            |                          | 1.26         | 0.096   |          | 5.4      | 0.36     | 139      | <10      | 20       | 0.5      | <2       | 0.06     | 0.8      | 1        | 3        | 44       |
| H884024            |                          | 1.46         | 1.035   |          | 8.6      | 0.68     | 200      | <10      | 30       | 1.0      | <2       | 2.21     | 2.1      | 1        | 1        | 239      |
| H884025            |                          | 1.02         | 2.03    |          | >100     | 0.29     | 111      | <10      | 40       | 0.6      | 93       | 0.04     | 2.7      | 1        | 3        | 439      |
| H884026            |                          | 1.08         | 0.816   |          | 18.7     | 0.80     | 141      | <10      | 50       | 1.3      | 3        | 0.10     | 2.9      | <1       | 3        | 1375     |
| H884027            |                          | 1.26         | 7.12    |          | 58.4     | 0.41     | 132      | <10      | 80       | <0.5     | 4        | 0.06     | 1.8      | 1        | 4        | 434      |
| H884028            |                          | 1.80         | 1.255   |          | 66.5     | 0.50     | 118      | <10      | 10       | 2.1      | 6        | 0.08     | 11.8     | 1        | 3        | 1890     |
| H884029            |                          | 2.02         | 3.05    |          | >100     | 0.33     | 173      | <10      | 30       | 1.0      | 7        | 0.04     | 12.5     | 1        | 2        | 1600     |
| H884030            |                          | 2.64         | >10.0   | 17.35    | >100     | 0.25     | 9020     | <10      | 60       | <0.5     | 21       | 0.01     | 52.2     | 1        | 4        | 1635     |
| H884031            |                          | 1.64         | 0.210   |          | 41.1     | 0.57     | 1695     | <10      | 180      | 0.9      | 3        | 0.04     | 5.0      | <1       | 2        | 180      |
| H884032            |                          | 1.76         | 0.701   |          | >100     | 0.52     | 6410     | <10      | 110      | 0.8      | 10       | 0.03     | 9.0      | 1        | 3        | 448      |
| H884033            |                          | 1.82         | 0.604   |          | >100     | 0.69     | 3880     | <10      | 210      | 0.9      | 25       | 0.04     | 23.4     | 1        | 3        | 316      |
| H884034            |                          | 1.14         | 0.187   |          | >100     | 0.59     | 1815     | <10      | 200      | 1.1      | 15       | 0.04     | 7.2      | 1        | 2        | 562      |
| H884035            |                          | 1.14         | 1.850   |          | >100     | 0.38     | 4150     | <10      | 40       | 2.2      | 37       | 0.02     | 22.6     | 11       | <1       | 1895     |



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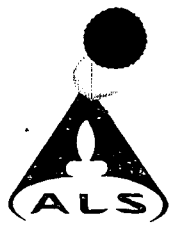
Finalized Date: 29-JUL-2009

Account: F

Project: PROSPECTOR MTN.

## CERTIFICATE OF ANALYSIS VA09073356

| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |        |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
|                    |                          | Fe %     | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm |
| H884001            |                          | 3.00     | <10      | <1       | 0.18     | 10       | 0.08     | 109      | 5        | 0.03     | 4        | 190      | 145      | 1.43     | <2       | 1      |
| H884002            |                          | 19.3     | <10      | <1       | 0.07     | 10       | 0.02     | 66       | 42       | 0.03     | 1        | 890      | 82       | 0.26     | 4        | <1     |
| H884003            |                          | 2.59     | <10      | <1       | 0.29     | 10       | 0.04     | 168      | 33       | 0.01     | <1       | 240      | 109      | 0.38     | 13       | <1     |
| H884004            |                          | 8.27     | <10      | <1       | 0.21     | 20       | 0.03     | 855      | 81       | 0.01     | 3        | 1140     | 30       | 0.07     | 5        | 1      |
| H884005            |                          | 5.28     | <10      | <1       | 0.24     | 10       | 0.02     | 83       | 27       | 0.01     | <1       | 410      | 4210     | 0.24     | 663      | 1      |
| H884006            |                          | 5.92     | <10      | 2        | 0.18     | 10       | 0.02     | 56       | 43       | 0.01     | <1       | 150      | 3060     | 0.95     | 1145     | <1     |
| H884007            |                          | 7.41     | <10      | <1       | 0.14     | <10      | 0.03     | 198      | 2        | 0.03     | 1        | 660      | 40       | 0.99     | 9        | 1      |
| H884008            |                          | 5.45     | <10      | <1       | 0.37     | 30       | 0.20     | 1195     | 24       | 0.03     | 2        | 810      | 662      | 0.18     | 7        | 1      |
| H884009            |                          | 13.3     | 30       | <1       | 0.24     | 20       | 0.10     | 44500    | 38       | 0.02     | 4        | 550      | 93       | <0.01    | 7        | 1      |
| H884010            |                          | 6.97     | 10       | <1       | 0.28     | 30       | 0.03     | 491      | 6        | 0.01     | 3        | 590      | 16       | 0.05     | 2        | 1      |
| H884011            |                          | 31.2     | <10      | <1       | 0.09     | <10      | 0.02     | 380      | 33       | 0.01     | 7        | 1400     | 572      | 0.11     | 81       | 1      |
| H884012            |                          | 18.0     | <10      | <1       | 0.23     | 10       | 0.01     | 24000    | 28       | 0.02     | 6        | 2910     | 1335     | 0.39     | 65       | 1      |
| H884013            |                          | 1.16     | <10      | <1       | 0.18     | 10       | 0.02     | 156      | 2        | 0.01     | 1        | 120      | 18       | 0.36     | 3        | <1     |
| H884014            |                          | 3.28     | <10      | <1       | 0.34     | 10       | 0.14     | 436      | 7        | 0.01     | 4        | 600      | 116      | 1.58     | 2        | 1      |
| H884015            |                          | 16.1     | <10      | <1       | 0.15     | <10      | 0.02     | 91       | 6        | 0.03     | <1       | 1420     | 17       | 0.61     | 5        | 1      |
| H884016            |                          | 1.43     | <10      | <1       | 0.41     | 20       | 0.01     | 57       | 20       | 0.01     | <1       | 110      | 47       | 0.83     | <2       | <1     |
| H884017            |                          | 2.68     | <10      | <1       | 0.26     | 40       | 0.04     | 65       | 26       | 0.02     | <1       | 850      | 44       | 1.89     | <2       | <1     |
| H884018            |                          | 2.65     | <10      | 1        | 0.20     | 10       | 0.02     | 188      | 14       | 0.01     | <1       | 720      | 8930     | 0.24     | 1575     | <1     |
| H884019            |                          | 11.20    | <10      | <1       | 0.22     | <10      | 0.01     | 336      | 5        | 0.05     | <1       | 3400     | >10000   | 2.04     | 302      | 3      |
| H884020            |                          | 9.18     | <10      | <1       | 0.23     | 10       | 0.01     | 14700    | 23       | 0.01     | 4        | 750      | 1280     | 2.02     | 22       | 1      |
| H884021            |                          | 2.82     | <10      | <1       | 0.37     | 10       | 0.02     | 147      | 1        | 0.03     | <1       | 360      | 3440     | 0.48     | 6        | <1     |
| H884022            |                          | 1.48     | <10      | <1       | 0.31     | 20       | 0.02     | 371      | 3        | 0.01     | 4        | 760      | 3330     | 0.92     | 67       | 1      |
| H884023            |                          | 2.33     | <10      | <1       | 0.31     | 10       | 0.02     | 96       | 6        | 0.06     | <1       | 910      | 3820     | 0.46     | 5        | 1      |
| H884024            |                          | 10.20    | <10      | <1       | 0.45     | 20       | 0.03     | 323      | 9        | 0.08     | 3        | 1070     | 2380     | 2.76     | 4        | 1      |
| H884025            |                          | 4.24     | <10      | <1       | 0.21     | 10       | 0.02     | 144      | 17       | 0.01     | <1       | 830      | >10000   | 0.85     | 23       | 1      |
| H884026            |                          | 10.10    | <10      | <1       | 0.42     | 20       | 0.06     | 130      | 17       | 0.03     | 1        | 1440     | >10000   | 1.12     | 58       | 1      |
| H884027            |                          | 1.81     | <10      | <1       | 0.29     | 20       | 0.04     | 181      | 5        | 0.02     | 1        | 1080     | >10000   | 0.68     | 59       | 1      |
| H884028            |                          | 5.27     | <10      | <1       | 0.24     | 10       | 0.04     | 463      | 19       | 0.01     | 2        | 880      | >10000   | 0.26     | 28       | 1      |
| H884029            |                          | 5.11     | <10      | 2        | 0.18     | 10       | 0.02     | 234      | 6        | 0.01     | <1       | 530      | >10000   | 2.01     | 184      | 1      |
| H884030            |                          | 2.86     | <10      | 1        | 0.14     | 10       | 0.01     | 153      | 2        | 0.02     | 1        | 840      | >10000   | 4.45     | 984      | 1      |
| H884031            |                          | 4.05     | <10      | <1       | 0.61     | 10       | 0.04     | 181      | 3        | 0.02     | <1       | 1360     | 7490     | 0.97     | 117      | 1      |
| H884032            |                          | 2.94     | <10      | <1       | 0.49     | 10       | 0.03     | 165      | 2        | 0.02     | <1       | 1050     | >10000   | 0.91     | 509      | 1      |
| H884033            |                          | 2.83     | <10      | 2        | 0.40     | 10       | 0.04     | 147      | 5        | 0.02     | 2        | 1450     | >10000   | 1.12     | 687      | 1      |
| H884034            |                          | 4.42     | <10      | <1       | 0.43     | 10       | 0.03     | 200      | 12       | 0.05     | 1        | 1690     | >10000   | 1.39     | 239      | 1      |
| H884035            |                          | 9.50     | <10      | 2        | 0.11     | 20       | <0.01    | 38900    | 73       | 0.02     | <1       | 490      | >10000   | 0.93     | 1635     | 1      |



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 Account: F

Project: PROSPECTOR MTN.

**CERTIFICATE OF ANALYSIS VA09073356**

| Sample Description | Method                  | ME-ICP41       | ME-ICP41        | ME-ICP41        | ME-ICP41        | ME-ICP41       | ME-ICP41      | ME-ICP41       | ME-ICP41       | Ag-OG46        | Cu-OG46          | Pb-OG46          | Pb-VOL70        |
|--------------------|-------------------------|----------------|-----------------|-----------------|-----------------|----------------|---------------|----------------|----------------|----------------|------------------|------------------|-----------------|
|                    | Analyte<br>Units<br>LOR | Sr<br>ppm<br>1 | Th<br>ppm<br>20 | Ti<br>%<br>0.01 | Ti<br>ppm<br>10 | U<br>ppm<br>10 | V<br>ppm<br>1 | W<br>ppm<br>10 | Zn<br>ppm<br>2 | Ag<br>ppm<br>1 | Cu<br>%<br>0.001 | Pb<br>%<br>0.001 | Pb<br>%<br>0.01 |
| H884001            |                         | 28             | <20             | 0.01            | <10             | <10            | 8             | <10            | 38             |                |                  |                  |                 |
| H884002            |                         | 14             | <20             | <0.01           | <10             | <10            | 20            | <10            | 106            |                |                  |                  |                 |
| H884003            |                         | 10             | <20             | <0.01           | <10             | <10            | 20            | <10            | 119            |                |                  |                  |                 |
| H884004            |                         | 12             | <20             | 0.04            | <10             | <10            | 39            | 50             | 44             |                |                  |                  |                 |
| H884005            |                         | 6              | <20             | <0.01           | <10             | <10            | 20            | 8              | 150            | 206            |                  |                  |                 |
| H884006            |                         | 4              | <20             | <0.01           | <10             | <10            | 10            | 5              | <10            | 237            | 217              |                  |                 |
| H884007            |                         | 7              | 20              | 0.03            | <10             | <10            | 10            | 22             | 20             | 17             |                  |                  |                 |
| H884008            |                         | 10             | 20              | <0.01           | <10             | <10            | 10            | 37             | <10            | 95             |                  |                  |                 |
| H884009            |                         | 489            | <20             | <0.01           | <10             | <10            | 60            | 104            | <10            | 208            |                  |                  |                 |
| H884010            |                         | 9              | <20             | <0.01           | <10             | <10            | 30            | 19             | 20             | 65             |                  |                  |                 |
| H884011            |                         | 28             | <20             | <0.01           | <10             | <10            | 60            | 67             | 70             | 65             |                  |                  |                 |
| H884012            |                         | 265            | <20             | 0.01            | <10             | <10            | 20            | 43             | 130            | 164            | 182              | 1.365            |                 |
| H884013            |                         | 6              | <20             | <0.01           | <10             | <10            | <10           | 5              | <10            | 9              |                  |                  |                 |
| H884014            |                         | 13             | 30              | 0.01            | <10             | <10            | <10           | 12             | <10            | 122            |                  |                  |                 |
| H884015            |                         | 11             | <20             | 0.01            | <10             | <10            | 20            | 26             | 140            | 54             |                  |                  |                 |
| H884016            |                         | 10             | <20             | <0.01           | <10             | <10            | <10           | 2              | <10            | 9              |                  |                  |                 |
| H884017            |                         | 12             | <20             | <0.01           | <10             | <10            | <10           | 2              | <10            | 25             |                  |                  |                 |
| H884018            |                         | 60             | <20             | <0.01           | <10             | <10            | <10           | 8              | <10            | 646            | 161              |                  |                 |
| H884019            |                         | 155            | 20              | <0.01           | <10             | <10            | 20            | 5              | <10            | 1405           | 193              | 2.77             |                 |
| H884020            |                         | 314            | <20             | 0.01            | <10             | <10            | 20            | 16             | 10             | 1995           |                  |                  |                 |
| H884021            |                         | 18             | <20             | <0.01           | <10             | <10            | <10           | 5              | <10            | 250            |                  |                  |                 |
| H884022            |                         | 11             | <20             | <0.01           | <10             | <10            | <10           | 5              | <10            | 3210           |                  |                  |                 |
| H884023            |                         | 75             | <20             | <0.01           | <10             | <10            | <10           | 4              | <10            | 474            |                  |                  |                 |
| H884024            |                         | 97             | <20             | <0.01           | <10             | <10            | <10           | 22             | <10            | 2330           |                  |                  |                 |
| H884025            |                         | 70             | <20             | <0.01           | <10             | <10            | <10           | 16             | <10            | 1235           | 104              | 2.75             |                 |
| H884026            |                         | 38             | <20             | <0.01           | <10             | <10            | <10           | 41             | <10            | 1525           |                  | 1.595            |                 |
| H884027            |                         | 96             | <20             | <0.01           | <10             | <10            | <10           | 14             | <10            | 371            |                  | 2.77             |                 |
| H884028            |                         | 29             | <20             | <0.01           | <10             | <10            | 10            | 20             | 10             | 3630           |                  | 3.53             |                 |
| H884029            |                         | 577            | <20             | <0.01           | <10             | <10            | 10            | 12             | <10            | 2490           | 557              | >20.0            | 33.84           |
| H884030            |                         | 91             | <20             | <0.01           | <10             | <10            | <10           | 4              | <10            | 814            | 557              | >20.0            | 24.49           |
| H884031            |                         | 56             | <20             | <0.01           | <10             | <10            | <10           | 12             | <10            | 616            |                  |                  |                 |
| H884032            |                         | 29             | <20             | <0.01           | <10             | <10            | <10           | 11             | <10            | 444            | 216              | 1.175            |                 |
| H884033            |                         | 56             | <20             | <0.01           | <10             | <10            | <10           | 15             | <10            | 818            | 233              | 3.70             |                 |
| H884034            |                         | 33             | <20             | <0.01           | <10             | <10            | <10           | 15             | <10            | 1140           | 146              | 3.79             |                 |
| H884035            |                         | 31             | <20             | <0.01           | <10             | <10            | 510           | 14             | 10             | 3770           | 910              | >20.0            | 28.01           |





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Finalized Date: 24-JUL-2009

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## CERTIFICATE VA09073355

Project: PROSPECTOR MTN.

P.O. No.:

This report is for 20 Soil samples submitted to our lab in Vancouver, BC, Canada on 20-JUL-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LOG-22   | Sample login - Rcd w/o BarCode |
| SCR-41   | Screen to -180um and save both |

## ANALYTICAL PROCEDURES

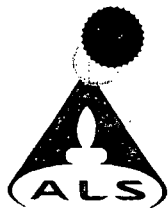
| ALS CODE | DESCRIPTION                   | INSTRUMENT |
|----------|-------------------------------|------------|
| Au-AA23  | Au 30g FA-AA finish           | AAS        |
| ME-ICP41 | 35 Element Aqua Regia ICP-AES | ICP-AES    |

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

Signature:

  
Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09073355

| Method Analyte Units LOR | WEI-21 Recvd Wt. kg | Au-AA23 Au ppm | ME-ICP41 Ag ppm | ME-ICP41 Al % | ME-ICP41 As ppm | ME-ICP41 B ppm | ME-ICP41 Ba ppm | ME-ICP41 Be ppm | ME-ICP41 Bi ppm | ME-ICP41 Ca % | ME-ICP41 Cd ppm | ME-ICP41 Co ppm | ME-ICP41 Cr ppm | ME-ICP41 Cu ppm | ME-ICP41 Fe % |
|--------------------------|---------------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|-----------------|-----------------|---------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Sample Description       | 0.02                | 0.005          | 0.2             | 0.01          | 2               | 10             | 10              | 0.5             | 2               | 0.01          | 0.5             | 1               | 1               | 1               | 0.01          |
| CC45106                  | 0.44                | 0.005          | <0.2            | 2.51          | 13              | <10            | 150             | 1.7             | <2              | 0.45          | <0.5            | 10              | 38              | 47              | 3.61          |
| CC45107                  | 0.46                | 0.005          | <0.2            | 2.33          | 10              | <10            | 130             | 1.6             | 2               | 0.59          | 0.5             | 9               | 35              | 49              | 3.25          |
| CC45108                  | 0.32                | 0.010          | <0.2            | 1.93          | 9               | <10            | 80              | 1.1             | 4               | 0.44          | <0.5            | 5               | 28              | 76              | 2.44          |
| CC45109                  | 0.38                | 0.012          | <0.2            | 1.65          | 6               | <10            | 100             | 0.9             | 4               | 0.44          | <0.5            | 6               | 26              | 53              | 2.58          |
| CC45110                  | 0.34                | 0.013          | 0.4             | 1.72          | 11              | <10            | 90              | 0.7             | 3               | 0.26          | <0.5            | 5               | 26              | 41              | 3.11          |
| CC45111                  | 0.28                | 0.013          | 0.6             | 1.75          | 13              | <10            | 120             | 0.7             | 7               | 0.30          | <0.5            | 7               | 29              | 39              | 3.11          |
| CC45112                  | 0.28                | 0.023          | 1.6             | 1.73          | 23              | <10            | 130             | 0.7             | 14              | 0.35          | 0.6             | 6               | 37              | 43              | 2.70          |
| CC45113                  | 0.40                | 0.079          | 19.6            | 1.88          | 44              | <10            | 150             | 2.0             | 79              | 0.15          | 1.1             | 6               | 25              | 216             | 4.08          |
| CC45114                  | 0.36                | 0.030          | <0.2            | 2.10          | 5               | <10            | 90              | 2.2             | <2              | 0.69          | <0.5            | 7               | 32              | 51              | 2.78          |
| CC45115                  | 0.46                | 0.012          | <0.2            | 1.62          | 5               | <10            | 90              | 0.8             | <2              | 0.30          | <0.5            | 5               | 27              | 28              | 2.70          |
| CC45116                  | 0.46                | 0.018          | <0.2            | 1.77          | 8               | <10            | 110             | 0.8             | 3               | 0.32          | <0.5            | 6               | 31              | 69              | 2.51          |
| CC45117                  | 0.48                | 0.018          | 0.6             | 1.80          | 10              | <10            | 130             | 0.6             | 4               | 0.23          | <0.5            | 5               | 31              | 48              | 2.99          |
| CC45118                  | 0.36                | 0.045          | 1.0             | 1.46          | 29              | <10            | 150             | 0.5             | 5               | 0.19          | <0.5            | 3               | 26              | 28              | 3.45          |
| CC45119                  | 0.48                | 0.009          | 0.2             | 1.71          | 7               | <10            | 150             | 0.8             | 2               | 0.42          | <0.5            | 5               | 33              | 49              | 2.89          |
| CC45120                  | 0.38                | <0.005         | 0.3             | 1.77          | 11              | <10            | 130             | 0.8             | 2               | 0.35          | <0.5            | 6               | 33              | 29              | 3.37          |
| CC45121                  | 0.34                | 0.014          | 0.3             | 1.75          | 14              | <10            | 120             | 1.0             | 3               | 0.26          | <0.5            | 8               | 36              | 83              | 3.98          |
| CC45122                  | 0.46                | 0.009          | <0.2            | 1.95          | 8               | <10            | 100             | 1.2             | 2               | 0.36          | <0.5            | 7               | 28              | 38              | 2.75          |
| CC45123                  | 0.36                | 0.009          | <0.2            | 1.65          | 5               | <10            | 100             | 1.0             | <2              | 0.25          | <0.5            | 6               | 25              | 35              | 2.54          |
| CC45124                  | 0.42                | 0.013          | <0.2            | 1.74          | 9               | <10            | 100             | 1.3             | <2              | 0.41          | 0.5             | 9               | 26              | 62              | 2.83          |
| CC45125                  | 0.44                | 0.012          | <0.2            | 1.37          | 8               | <10            | 60              | 1.3             | 2               | 0.29          | 0.6             | 8               | 24              | 48              | 2.48          |



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| Sample Description | Method Analyte Units LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                          | Ga ppm   | Hg ppm   | K %      | La ppm   | Mg %     | Mn ppm   | Mo ppm   | Na %     | Ni ppm   | P ppm    | Pb ppm   | S %      | Sb ppm   | Sc ppm   | Sr ppm   |
|                    |                          | 10       | 1        | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 2        | 1        | 1        |
| CC45106            |                          | 10       | <1       | 0.10     | 20       | 0.71     | 385      | 3        | 0.02     | 21       | 1250     | 84       | 0.01     | 5        | 6        | 55       |
| CC45107            |                          | 10       | <1       | 0.09     | 20       | 0.63     | 359      | 1        | 0.02     | 17       | 1050     | 76       | 0.01     | 3        | 5        | 79       |
| CC45108            |                          | 10       | <1       | 0.09     | 20       | 0.55     | 275      | 3        | 0.01     | 11       | 960      | 80       | <0.01    | 4        | 4        | 35       |
| CC45109            |                          | 10       | <1       | 0.12     | 20       | 0.55     | 261      | 3        | 0.01     | 10       | 880      | 79       | <0.01    | 3        | 4        | 48       |
| CC45110            |                          | 10       | <1       | 0.06     | 20       | 0.43     | 291      | 8        | 0.01     | 10       | 1130     | 73       | 0.05     | 3        | 4        | 36       |
| CC45111            |                          | 10       | <1       | 0.09     | 20       | 0.50     | 370      | 9        | 0.01     | 10       | 720      | 113      | 0.03     | 5        | 4        | 42       |
| CC45112            |                          | 10       | <1       | 0.10     | 20       | 0.51     | 180      | 7        | 0.02     | 16       | 660      | 214      | 0.03     | 5        | 5        | 39       |
| CC45113            |                          | 10       | <1       | 0.25     | 40       | 0.36     | 461      | 14       | 0.05     | 12       | 1020     | 622      | 0.54     | 7        | 4        | 88       |
| CC45114            |                          | 10       | <1       | 0.10     | 20       | 0.60     | 355      | 3        | 0.03     | 14       | 1000     | 56       | <0.01    | 4        | 5        | 57       |
| CC45115            |                          | <10      | <1       | 0.06     | 20       | 0.44     | 154      | 1        | 0.01     | 9        | 650      | 44       | 0.01     | 4        | 4        | 27       |
| CC45116            |                          | 10       | <1       | 0.07     | 20       | 0.46     | 182      | 3        | 0.02     | 13       | 600      | 60       | 0.01     | 3        | 5        | 67       |
| CC45117            |                          | 10       | <1       | 0.09     | 20       | 0.47     | 190      | 7        | 0.01     | 13       | 770      | 78       | 0.02     | 4        | 5        | 38       |
| CC45118            |                          | 10       | <1       | 0.08     | 20       | 0.31     | 124      | 15       | 0.01     | 9        | 650      | 106      | 0.06     | 4        | 3        | 45       |
| CC45119            |                          | 10       | <1       | 0.07     | 20       | 0.52     | 233      | 7        | 0.02     | 15       | 760      | 50       | 0.02     | 4        | 5        | 75       |
| CC45120            |                          | <10      | <1       | 0.08     | 20       | 0.49     | 246      | 4        | 0.02     | 17       | 880      | 53       | 0.05     | 4        | 5        | 42       |
| CC45121            |                          | 10       | <1       | 0.09     | 20       | 0.45     | 551      | 7        | 0.01     | 14       | 710      | 92       | 0.03     | 5        | 4        | 48       |
| CC45122            |                          | 10       | <1       | 0.11     | 30       | 0.57     | 432      | 6        | 0.01     | 12       | 920      | 54       | 0.01     | 4        | 4        | 53       |
| CC45123            |                          | <10      | <1       | 0.10     | 30       | 0.35     | 556      | 7        | 0.01     | 9        | 980      | 49       | 0.02     | 3        | 3        | 46       |
| CC45124            |                          | 10       | <1       | 0.10     | 20       | 0.48     | 1050     | 5        | 0.01     | 13       | 1030     | 73       | 0.02     | 4        | 4        | 66       |
| CC45125            |                          | <10      | <1       | 0.09     | 20       | 0.37     | 814      | 3        | 0.01     | 12       | 800      | 78       | 0.01     | 4        | 3        | 26       |





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Total # Pages: 3 (A - C)

Finalized Date: 24-JUL-2009

Account: F

Project: PROSPECTOR MTN.

## CERTIFICATE OF ANALYSIS VA09073355

| Sample Description | Method  | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Th       | Ti       | Tl       | U        | V        | W        | Zn       |
|                    | Units   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
| LOR                |         | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        |
| CC45106            |         | 20       | 0.12     | <10      | 10       | 84       | <10      | 120      |
| CC45107            |         | 20       | 0.11     | <10      | 10       | 74       | <10      | 110      |
| CC45108            |         | 20       | 0.10     | <10      | 10       | 58       | <10      | 176      |
| CC45109            |         | 20       | 0.12     | <10      | 10       | 63       | <10      | 126      |
| CC45110            |         | <20      | 0.07     | <10      | 10       | 60       | <10      | 78       |
| CC45111            |         | 20       | 0.09     | <10      | 10       | 62       | <10      | 117      |
| CC45112            |         | 20       | 0.12     | <10      | 10       | 70       | <10      | 133      |
| CC45113            |         | 30       | 0.06     | <10      | 20       | 53       | <10      | 252      |
| CC45114            |         | 20       | 0.09     | <10      | 10       | 65       | <10      | 91       |
| CC45115            |         | 30       | 0.11     | <10      | 10       | 60       | <10      | 64       |
| CC45116            |         | 20       | 0.11     | <10      | 10       | 61       | <10      | 110      |
| CC45117            |         | 20       | 0.11     | <10      | 10       | 60       | <10      | 78       |
| CC45118            |         | <20      | 0.08     | <10      | 10       | 53       | <10      | 53       |
| CC45119            |         | <20      | 0.11     | <10      | 10       | 63       | <10      | 110      |
| CC45120            |         | <20      | 0.11     | <10      | 10       | 65       | <10      | 83       |
| CC45121            |         | 20       | 0.10     | <10      | 10       | 64       | <10      | 122      |
| CC45122            |         | 30       | 0.10     | <10      | 10       | 62       | <10      | 99       |
| CC45123            |         | <20      | 0.05     | <10      | 10       | 54       | <10      | 77       |
| CC45124            |         | 20       | 0.10     | <10      | 10       | 60       | <10      | 130      |
| CC45125            |         | 30       | 0.09     | <10      | 10       | 56       | <10      | 96       |

**APPENDIX III**  
**PETROGRAPHIC REPORT**

## PETROGRAPHIC REPORT ON 7 SAMPLES FROM PROSPECTOR MOUNTAIN, YUKON

Report for: Bill Wengzynowski  
Archer Cathro & Associates (1981) Ltd.  
1016 – 510 West Hastings Street  
Vancouver, B.C. V6B 1L8 (604) 688-2568

Invoice 100110

Feb. 23, 2010.

### SUMMARY:

With the exception of one sample (MAG), these samples are mostly somewhat banded (locally comb or cockade textured, in part vuggy/drusy) veins or vein breccias composed of secondary quartz, significant limonite (both goethite possibly mostly after former sulfides such as pyrite and chalcopryrite, traces of which remain locally, and lepidocrocite or hematite possibly after former magnetite, traces of which remain locally), lesser sericite (likely after feldspar and minor mafics), local tourmaline (schorl), minor malachite, specular hematite, and traces of native gold. Gold occurs as subhedral crystals or blebs up to 150 um in size in three of the samples (H886460, 474, and 475), typically associated with sericite and/or limonite fractures in the quartz but at the margins or near the goethitic limonite aggregates, or in places within these limonite aggregates that may be after pyrite and/or chalcopryrite. The high Au and Cu values are thus easily explained, and Ag may be present with the gold; however, no obvious locus for the high Sb or Bi values was seen. The MAG sample is a slightly clay?/sericite-chlorite altered, weakly porphyritic biotite quartz monzonite cut by a sheeted swarm of thin quartz-magnetite-minor limonite (after pyrite) veinlets. Locally, relict textures seen in the other samples are suggestive that the veins are developed by strong to intense quartz-sericite-magnetite-sulfide alteration of similar original (quartz monzonite) host rocks, as suggested by field relations.

Capsule descriptions are as follows:

H886460: intensely silicified/sericitized, vuggy/chalcedonic quartz veined (originally plutonic?) rock with significant limonite-minor malachite (likely after sulfides, containing traces of gold), minor specular hematite and trace pyrite/chalcopryrite encapsulated in quartz.

H886462: general impression is of quartz-tourmaline-sericite-minor pyrite-specular hematite veins and/or breccia that has been re-brecciated in multiple episodes, with tourmaline becoming less abundant and sericite (or clay?/sericite) and possible chalcedonic quartz becoming more abundant with time, the latter possibly associated with (or merely stained by?) limonite derived by oxidation of pyrite. No gold particles were observed in the surface of the polished section.

H886468A: possibly banded, vuggy/drusy vein of quartz-tourmaline (schorl)-specular hematite-limonite (lepidocrocite?) that could be after former sulfides, since traces of pyrite occur as relics where encapsulated in quartz.

H886468B: appears to represent breccia or vuggy/drusy vein of quartz-tourmaline (schorl)-trace sericite, mineralized with specular hematite-limonite (lepidocrocite?)-trace relict magnetite (hematite is after magnetite, and may be further oxidized to the limonite).

H886474: banded (locally comb-textured) quartz-sericite-limonite-minor malachite, specular hematite, trace pyrite/chalcopryrite, native gold vein.



H886475: quartz-limonite (after sulfides and magnetite?)-sericite-minor specular hematite-malachite-Cu clay?/sericite-trace relict pyrite-native gold vein.

MAG: somewhat porphyritic biotite quartz monzonite cut by sheeted veinlets of quartz-magnetite (slightly oxidized to hematite)-trace limonite (after pyrite), associated with weak alteration to clay?/sericite-chlorite/green biotite.

Detailed petrographic descriptions and photomicrographs are appended (on CD). If you have any questions regarding the petrography, please do not hesitate to contact me.

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H886460: INTENSELY SILICIFIED/SERICITIZED, VUGGY/COMB QUARTZ VEINED ROCK OXIDIZED TO LIMONITE CONTAINING TRACE AU ± MALACHITE, SPEC. HEMATITE

Hand specimen shows pale greenish grey, strongly altered rock of uncertain derivation with irregular veinlets or breccia matrix of comb-textured, vuggy quartz and variable sulfides (mainly dark brown sphalerite?) plus traces of malachite. The rock is locally slightly magnetic (mainly sulfides), shows no reaction to cold dilute HCl (even when scratched), and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|                                    |      |
|------------------------------------|------|
| Quartz (secondary, vein)           | 45%  |
| Sericite (partly limonite stained) | 20%  |
| Limonite (goethite?)               | 15%  |
| Limonite (lepidocrocite?)          | 15%  |
| Malachite                          | 2-3% |
| Specular hematite                  | 1-2% |
| Pyrite, chalcopyrite               | <1%  |

This sample consists mainly of relatively coarse-grained secondary quartz that is either clear or highly clouded by inclusions of sericite, abundant interstitial sericite, and limonite that appears to be either botryoidal/boxwork-textured goethite, or more highly reflectant, massive pseudomorphs of lepidocrocite (?), both possibly after sulfides, and minor malachite and specular hematite.

Quartz occurs as either 1) clear, coarse euhedral crystals up to 3 mm long with comb or drusy/vuggy texture (locally cockade-textured in smaller, plumose crystals <1 mm long), or 2) cloudy, somewhat finer-grained, subhedral crystals mostly <1.5 mm long that contain abundant fine-grained sericite (subhedral flakes mostly <50 μm in diameter with random orientations). The latter appear likely to represent the sites of former feldspar (plagioclase?) crystals that have been pseudomorphed by the secondary quartz and sericite, as opposed to the clear crystals which have grown into open space rather than replaced existing rock.

Interstices between quartz crystals, mainly of the latter type, are partly filled with slightly coarser-grained sericite forming subhedral to ragged flakes up to 0.25 mm in size, or locally rosettes or aggregates up to about 1.2 mm across, typically with strong limonite staining (these could represent former sites of mafic minerals in a granitic rock?).

Aggregates of limonite with boxwork texture consist of small (mainly <0.25 mm) cores of almost opaque material, surrounded by areas of bright red-brown, botryoidal material in which individual crystal fibers mostly <35 μm long are commonly oriented sub-perpendicular to and form the plates of the boxwork, and finally on the outer rim by collomorphic banded mixtures of very fine-grained chalcedonic quartz (radiating aggregates mostly <25 μm across composed of fibers <15 μm long) and limonite (granular subhedra mostly <10 μm in size). They are overgrown by the plumose or clear cockade textured quartz. Aggregates of limonite with mainly euhedral outlines up to almost 5 mm across are very dark red-brown to almost opaque and have higher reflectivity than the other aggregates, possibly suggestive of lepidocrocite,  $\gamma\text{FeOOH}$ . Specular hematite forms bladed euhedra up to 1 mm in diameter encapsulated within quartz, associated with the limonite.

Malachite occurs mainly in small rounded aggregates <0.5 mm across, or locally in aggregates with angular outlines up to 2 mm across that fill interstices between quartz and limonite; in both cases the malachite forms mostly fibrous, commonly radiating crystals <0.2 mm long with faint green pleochroism. In the latter case, relict cores of a sub-microscopic (micron-sized) mineral that is unidentified are rimmed by reaction zones of amorphous limonite.

Traces of pyrite, as minute euhedra <20 μm in size, and chalcopyrite up to 0.1 mm, occur where encapsulated in quartz. Rare possible native gold (?) occurs as subhedra <80 μm in size within both types of limonite and in the adjacent thin botryoidal limonite rims, or locally associated with sericite fractures cutting the quartz.

In summary, this represents intensely silicified/sericitized, vuggy/?chalcedonic quartz veined (originally plutonic?) rock with significant limonite-minor malachite (likely after sulfides, containing traces of gold), minor specular hematite and trace pyrite/chalcopyrite encapsulated in quartz.

H886462: BRECCIA: CLASTS OF QUARTZ-TOURMALINE-SERICITE-MINOR PYRITE-HEMATITE IN MATRIX OF LIMONITE-STAINED CLAY?/SERICITE

Hand sample shows pale yellowish-green/grey, brecciated rock composed of angular or sub-angular fragments of quartz or silicified, pyritized rock in a comminuted matrix that is mostly softer than (scratched by) steel. The rock is locally slightly magnetic, but shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|   |      |
|---|------|
| Quartz (mainly secondary)                                 | 55%  |
| Sericite, clay?/sericite                                  | 25%  |
| Tourmaline (schorl)                                       | 10%  |
| Voids   | 5%   |
| Pyrite (largely replaced by chalcedonic quartz/sericite?) | 2-3% |
| Limonite (partly after pyrite)                            | 2-3% |
| Specular hematite (?)                                     | <1%  |

This breccia consists mainly of small (<1 cm) fragments of secondary (vein?) quartz, lesser sericite, tourmaline and local pyrite (remnants largely replaced by a boxwork of what appears to be sericite and chalcedonic quartz?), in a very fine-grained matrix of sericite, minor tourmaline and limonite. Large voids up to 0.5 cm may be due to original vugs or plucking during section preparation.

The vein (and/or silicified wallrock?) fragments consist mainly of quartz as somewhat irregular, sub- to anhedral crystals rarely over 2 mm in diameter except where in semi-continuous aggregates up to almost 3 mm. The crystals are typically moderately strained (show undulose extinction, minor sub-grain development and suturing of grain boundaries) and contain inclusions of sericite (subhedral flakes mostly <50 um, locally in radiating aggregates/rosettes up to 0.15 mm) or tourmaline (ragged to euhedral prismatic crystals up to ~1 mm long with dark green to locally khaki-brown pleochroism indicative of schorl, with F:M around 0.8-0.9?). Both sericite and tourmaline are typically concentrated along intergranular boundaries in the quartz aggregates. Locally, minor limonite (red-brown, goethitic?) forming subhedra <35 um in size, or amorphous stains replacing sericite, occurs in similar intergranular positions. Rarely, relict pyrite occurs as shattered crystals probably originally of 2-3 mm size, but now remnants <0.3 mm, heavily veined by a network of very fine-grained chalcedonic quartz (?) and sericite (?) forming a boxwork-like texture. The minute crystals of presumed quartz are mostly <25 um long, with length slow/fast character suggestive of chalcedony (?) and are difficult to tell apart from clay?/sericite of similar or finer grain size (mostly <15 um) that mostly appears to be in microveinlets cutting the chalcedonic quartz (?).

The matrix is extremely fine-grained and stained by limonite making identification difficult, but appears to consist mainly of small (comminuted) fragments of quartz, local tourmaline and rare pyrite, all mostly <0.1 mm in diameter, set in clay?/sericite as randomly oriented subhedral flakes mostly <20 um in size that are best identified where least stained by amorphous (transported) limonite. It is not clear whether any of the tourmaline is actually intergrown with the matrix rather than merely included within it as clast material. In places limonite is crystalline enough to form nearly opaque aggregates up to 0.4 mm across of sub/euhedra <30 um in size with strong anisotropic character (probably specular hematite?). Traces of pyrite occur as minute sub/euhedra <40 um in size, only where encapsulated within quartz shards, or larger euhedra to 0.2 mm rimmed/replaced by limonite. Aggregates <0.2 mm across of specular hematite also occur in the quartz shards.

In summary, the general impression is of quartz-tourmaline-sericite-minor pyrite-specular hematite veins and/or breccia that has been re-brecciated in multiple episodes, with tourmaline becoming less abundant and sericite (or clay?/sericite) and possible chalcedonic quartz becoming more abundant with time, the latter possibly associated with (or merely stained by?) limonite derived by oxidation of pyrite. No gold particles were observed in the surface of the polished section.

H886468A: COARSE, BANDED, VUGGY/DRUSY QUARTZ-TOURMALINE (SCHORL)-SPECULAR HEMATITE/LIMONITE-TRACE RELICT PYRITE VEIN

Hand specimen shows white/black quartz/tourmaline vein or breccia with large, locally drusy vugs up to ~ 1 cm in diameter coated by limonite (possibly representing former limonite after sulfides?) and local coarse bladed specular hematite. The rock is locally weakly magnetic, but shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|                                     |      |
|-------------------------------------|------|
| Quartz (secondary)                  | 70%  |
| Tourmaline (schorl)                 | 10%  |
| Voids/vugs                          | 10%  |
| Specular hematite                   | 7%   |
| Limonite (goethite, lepidocrocite?) | 2-3% |
| Pyrite (relict, remnant)            | <<1% |

This sample consists of vaguely layered/banded-looking, locally strongly vuggy/drusy, coarse-grained secondary (vein?) quartz and lesser tourmaline, specular hematite-minor limonite, with only trace (relict) pyrite.

Quartz forms coarse, bladed euhedral crystals up to about 4 mm long that are generally relatively unstrained (display only minor undulose extinction or sub-grain development, almost no suturing of grain boundaries except where locally recrystallized). The crystals are generally randomly oriented and do not show any preferred orientation along the vague layering. Inclusions of tourmaline and lesser specular hematite are common, both as mostly slender euhedral lath-shaped crystals up to 1 mm long.

Tourmaline forms either fine-grained aggregates of randomly oriented, mainly euhedral felted laths <0.15 mm long (most common), or locally slender prismatic crystals up to 1 mm long with random orientations, typically growing into relatively clear (possibly later?) quartz adjacent to the fine-grained aggregates of tourmaline which tend to be in slightly cloudy quartz. Deep green to almost black pleochroism indicates Fe-rich composition (F:M around 0.9?).

Voids are generally elongated, up to about 0.5 cm long along the layering/banding. They may be due to either original vugs or to plucking during section preparation.

Specular hematite forms euhedral bladed crystals up to 3 mm long, arranged in aggregates up to 0.5 cm across that are typically embedded in or partly surrounded by crystalline limonite (<2 mm aggregates of subhedra mostly <0.2 mm in size) with lower reflectance than the hematite and weaker (but still distinct) anisotropism, possibly suggestive of fairly well crystalline limonite such as lepidocrocite,  $\gamma\text{FeOOH}$ . It is not clear whether this limonite represents the oxidation of former sulfides, although that is a possibility.

Only traces of pyrite are present, typically where encapsulated in quartz where it forms widely scattered sub/euhedra mostly <50  $\mu\text{m}$  in size. No gold or silver particles could be located in the surface of the polished section.

In summary, this appears to represent possibly banded, vuggy/drusy vein of quartz-tourmaline (schorl)-specular hematite-limonite (lepidocrocite?) that could be after former sulfides, since traces of pyrite occur as relics where encapsulated in quartz.



## H886468B: BRECCIA OF COARSE, VUGGY/DRUSY QUARTZ IN MATRIX OF TOURMALINE SERICITE-SPECULAR HEMATITE/LIMONITE-TRACE RELICT MAGNETITE

Hand specimen shows white/black/purplish quartz/tourmaline/hematite vein or vein breccia with small, finely drusy vugs up to 3 mm in size also locally coated by limonite (after former sulfides?) and local bladed specular hematite and limonite mixtures. The rock is weakly magnetic, but shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|  |              |
|--|--------------|
| Quartz (secondary)                     | 60%          |
| Tourmaline (schorl)                    | 10%          |
| Voids/vugs                             | 10%          |
| Specular hematite (after magnetite)    | 10%          |
| Limonite (goethite, lepidocrocite?)    | 7-8%         |
| Sericite                               | 1-2% <0.1 mm |
| Magnetite (mostly altered to hematite) | <1%          |

This sample appears to be a breccia, composed of quartz-rich angular clasts (or locally euhedral single crystals) set in a locally vuggy/drusy, fine-grained matrix of comminuted secondary quartz, lesser tourmaline, specular hematite and minor limonite intergrown in similar fashion to H886468A.

Quartz forms coarse, barrel-shaped euhedral crystals up to about 4 mm long that are generally relatively unstrained (display only minor undulose extinction or sub-grain development, almost no suturing of grain boundaries except where locally recrystallized to areas of plumose sub-crystals mostly <0.1 mm in size). The crystals are generally randomly oriented although in one half of the slide they may be sub-perpendicular to a vague layering. Inclusions of sericite (subhedral flakes mostly <30  $\mu$ m but locally in rosettes up to 0.5 mm), tourmaline and lesser specular hematite are common, both of the latter as slender euhedral lath-shaped crystals <0.6 mm long.

Tourmaline forms either fine-grained aggregates up to 6 mm across of randomly oriented, mainly euhedral felted laths <0.15 mm long (most common), or locally slender prismatic crystals up to 1 mm long with random orientations, typically growing into relatively clear quartz clasts (?) adjacent to the fine-grained aggregates of tourmaline in the matrix. Pale khaki-coloured to deep green or almost black pleochroism indicates Fe-rich composition (F:M around 0.9?), although in places the core crystals are pale sea-green (F:M around 0.6-0.7?).

Voids are generally irregular/ovoid in shape, up to about 0.5 cm in diameter, and lined with small euhedral crystals of tourmaline sub-perpendicular to the walls. They may be due to either original vugs or to plucking during section preparation.

Specular hematite forms euhedral bladed crystals mostly <2 mm long, arranged in aggregates up to 0.5 cm across that are typically embedded in or mixed with (surrounded by) crystalline limonite (<2.5 mm aggregates of subhedra mostly <50  $\mu$ m in size) with lower reflectance than the hematite and weak anisotropism, possibly suggestive of fairly well crystalline limonite such as lepidocrocite,  $\gamma$ FeOOH. It is not clear whether this limonite represents the oxidation of the specular hematite or of former sulfides, but the former seems more likely. Hematite contains local corroded remnants of magnetite at the core, suggesting hematite itself is mostly after magnetite.

Neither pyrite nor gold or silver particles could be located in the surface of the polished section.

In summary, this appears to represent breccia or vuggy/drusy vein of quartz-tourmaline (schorl)-trace sericite mineralized with specular hematite-limonite (lepidocrocite?)-trace relict magnetite (hematite is after magnetite, and may be further oxidized to the limonite).

H886474: BANDED QUARTZ-MINOR SERICITE, CLAY?-LIMONITE (AFTER SULFIDES OR MAGNETITE?)-MALACHITE-HEMATITE-TRACE PYRITE/CHALCOPYRITE-GOLD VEIN

Hand specimen shows variegated, pale green, grey, and red-brown rock with vague layered structure (banded vein?). The red-brown colour is mostly due to limonite; green colour is due in part to traces of malachite, but may also be due to sericite (?). The rock is mostly harder than steel, is not magnetic, shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut.

Modal mineralogy in polished thin section is approximately:

|                            |       |
|----------------------------|-------|
| Quartz (secondary, vein?)  | 60%   |
| Sericite, clay (?)         | 20%   |
| Limonite                   | 15%   |
| Malachite                  | 2-3%  |
| Specular hematite          | 1-2%  |
| Pyrite, minor chalcopyrite | <1%   |
| Native gold                | trace |

This sample consists of crudely defined, bands or possible layers alternately rich in quartz (grey in hand specimen), quartz and sericite or locally malachite (pale greenish in hand specimen) and limonite (red-brown in hand specimen).

Quartz forms mostly sub- to locally euhedral crystals up to about 2 mm long that are either crudely oriented sub-perpendicular to the banding ("comb" texture) or are more or less random. The crystals are generally only weakly strained (show only minor undulose extinction, rare sub-grain development or suturing of grain boundaries), the latter only where partly recrystallized near fractures. In some zones the quartz is heavily fractured and apparently replaced (?) by sericite.

Sericite occurs as scaly masses of minute flakes rarely over about 50  $\mu\text{m}$  in diameter, mostly with random orientation and mainly concentrated in intergranular position between the quartz crystals, or along narrow fractures that cut the crystals or run along their boundaries. Malachite forms locally radiating sheafs or rosettes of fibrous crystals mostly <0.1 mm long, with pale green colour in thin section, commonly concentrated along narrow seams <0.2 mm thick, generally parallel to the banding.

Limonite occurs in aggregates with sub- to locally euhedral outlines up to 2 mm across, locally with minute traces of chalcopyrite (<10  $\mu\text{m}$  in size) included, suggesting either a) the limonite is after chalcopyrite or b) the limonite is after magnetite that contained trace inclusions of chalcopyrite. Limonite varies in its reflectivity from similar to that of hematite with moderate anisotropism at the core (could be lepidocrocite?), with patches of slightly lower reflectivity but intense anisotropism (not identified), both as small randomly oriented subhedral crystals <0.1 mm in diameter, to surrounding rims and fractures or boxworks of much lower reflectivity and weaker anisotropism (could be goethite?) mostly as amorphous or microcrystalline, botryoidal masses. In many places, the limonite surrounds or rims cores of either clay?/sericite (randomly oriented minute flakes mostly <15  $\mu\text{m}$ ) or malachite (radially oriented fibers <20  $\mu\text{m}$  long). Malachite also commonly occurs along fractures <30  $\mu\text{m}$  thick in the limonite masses.

Specular hematite occurs as euhedral lath- or needle-like crystals mostly <0.5 mm long, typically encapsulated within coarse quartz crystals (and therefore possibly preserved from oxidation)

Traces of pyrite and rare chalcopyrite occur only where encapsulated in quartz, where they form sub/euhedral crystals rarely over about 50  $\mu\text{m}$  in diameter.

Native gold occurs as subhedral crystals or irregular blebs mostly <25 but locally up to 80  $\mu\text{m}$  in diameter, typically associated either with the margins of limonite aggregates (some possibly after former chalcopyrite), or with sericite fractures in the adjacent quartz.

In summary, this appears to be banded (locally comb-textured) quartz-sericite-limonite-minor malachite, specular hematite, trace pyrite/chalcopyrite, native gold vein.

H886475: COARSE QUARTZ-LIMONITE (AFTER SULFIDES, MAGNETITE?)-SERICITE-MALACHITE/CU LIMONITE?-TRACE RELICT PYRITE-NATIVE GOLD VEIN

Hand specimen shows pale grey-white to greenish grey (quartz  $\pm$ sericite) or dark red-brown (limonite-rich) vein with traces of local bright green botryoidal malachite. Limonite cementing coarse euhedral quartz crystals locally shows massive or boxwork texture suggestive of being after former sulfides and/or magnetite (?). The rock is locally weakly magnetic, but shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|   |       |
|---|-------|
| Quartz (vein, secondary)                                      | 55%   |
| Limonite (goethite after sulfides, hematite after magnetite?) | 30%   |
| Sericite (mainly limonite stained)                            | 10%   |
| Specular hematite   | 2-3%  |
| Copper-bearing limonite/clay/sericite (?)                     | 1-2%  |
| Malachite   | 1%    |
| Pyrite (relict, oxidized)                                     | <1%   |
| Native gold   | trace |

This sample consists of coarsely crystalline quartz, locally with minor sericite as patches/inclusions, with various textural types of significant interstitial (or cement-like?) limonite plus minor malachite and possible Cu-bearing limonite/clay/sericite (?), likely after relict sulfides and possibly magnetite (?). Gold is associated with limonitic fracturing in quartz.

Quartz forms mostly bladed euhedral to locally subhedral crystals up to almost 5 mm long that are either crudely oriented sub-perpendicular to limonite aggregates they surround ("cockade" texture) or are more or less random. The crystals are generally only weakly strained (show only minor undulose extinction, rare sub-grain development or suturing of grain boundaries), generally only where granulated by later fracturing to form angular shards mostly <0.2 mm long, mixed with sericite and limonite. In some areas the quartz contains abundant inclusions of sericite (could represent replacement of former feldspar crystals?) or, less likely, is replaced (?) by sericite.

Sericite occurs as scaly masses of minute flakes rarely over about 35  $\mu$ m in diameter, mostly randomly oriented and interstitial to the quartz crystals or along their boundaries, or as described above included in quartz. Rare patches <0.5 mm of coarser-grained muscovite (subhedra <0.25 mm) may be after former mafic minerals in granitic rock (?). Sericite is commonly stained by limonite.

Limonite occurs mostly in aggregates with euhedral outlines up to 1 cm across, locally with traces of pyrite (<0.2 mm in size) included, indicating at least some the limonite is after pyrite and possibly chalcopyrite (viz. the malachite). However, limonite varies in its reflectivity from relatively low (in aggregates after sulfides) to slightly lower than hematite with moderate anisotropism. The former is bright red-brown and occurs as botryoidal or collomorphic-textured microcrystalline material (likely goethite?). The latter is almost opaque (hematite?); forming randomly oriented subhedral crystals <0.1 mm in diameter, cut by fractures or boxworks of much lower reflectivity and weaker anisotropism (also likely goethite?) mostly as amorphous or microcrystalline, botryoidal masses. Locally, the limonite surrounds cores of malachite (radially oriented fibers <35  $\mu$ m long) or green-coloured clay/sericite (randomly oriented minute flakes mostly <15  $\mu$ m), or is plucked out to leave voids. The green clay/sericite could be Cu-bearing, or is mixed with Cu-bearing limonite (?). Aggregates of greenish similar clay/sericite/limonite up to 2 mm long are almost opaque.

Specular hematite also occurs as euhedral lath- or needle-like crystals up to 1.5 mm long, typically encapsulated within coarse quartz crystals (and therefore possibly preserved from oxidation)

Traces of pyrite and rare chalcopyrite also occur where encapsulated in quartz, forming sub/euhedral crystals up to 0.2 mm in diameter. Native gold occurs as subhedral crystals or irregular blebs from <25 up to 150  $\mu$ m in size, typically associated with limonite or sericite-filled fractures in the quartz, close to the margins of limonite aggregates, or rarely within the limonite aggregates.

In summary, this appears to represent quartz-limonite (after sulfides and magnetite?)-sericite-minor specular hematite-malachite-Cu clay/sericite-trace relict pyrite-native gold vein.

MAG: BIOTITE QUARTZ MONZONITE VEINED BY QUARTZ-MAGNETITE-TRACE PYRITE-LIMONITE, WEAKLY ALTERED TO CLAY?/SERICITE-CHLORITE/GREEN BIOTITE

Hand specimen shows pinkish-grey, medium-grained, vaguely porphyritic, felsic plutonic rock (quartz monzonite?) cut by sheeted set of closely-spaced parallel quartz-magnetite-bearing fractures mostly <1 mm thick. The rock is strongly magnetic, shows no reaction to cold dilute HCl, and significant stain for K-feldspar in the etched offcut. Modal mineralogy in polished thin section is approximately:

|   |      |
|---|------|
| K-feldspar                                      | 35%  |
| Plagioclase (slightly sericitized)              | 30%  |
| Quartz (secondary, veinlet)                     | 15%  |
| (primary)                                       | 10%  |
| Magnetite (slightly oxidized to hematite)       | ~5%  |
| Biotite (partly chloritized)                    | 3%   |
| Sericite, clay?/sericite (after feldspars)      | 1-2% |
| Chlorite/green biotite                          | <1%  |
| Hematite (after magnetite)                      | <1%  |
| Limonite (after pyrite, trace of which remains) | <1%  |

This sample consists of hypidiomorphic-granular textured Kspar-plagioclase (slightly sericitized)-lesser quartz-accessory biotite cut by a sheeted swarm of sub-parallel, quartz-magnetite veins.

K-feldspar forms mainly sub- to locally euhedral crystals or aggregates with subhedral, somewhat corroded outlines up to 4 or rarely 5 mm long, imparting the slightly porphyritic or Kspar megacrystic texture to the sample. The Kspar is generally incipiently to partly clouded by minute particles of clay? or clay?/sericite, mostly <2-3 um in diameter, or locally slightly altered to chlorite or green biotite as subhedral flakes <30 um (near limonite or magnetite). The distribution of clay? or clay?/sericite suggests it pseudomorphs former plagioclase inclusions in (perthitic) Kspar.

Plagioclase forms mainly euhedral crystals up to about 3 mm long, locally with corroded margins replaced by rims of K-feldspar up to 0.5 mm thick, and typically incipiently to locally partly clouded by very fine clay? or clay?-sericite as flakes <5 um or up to 45 um respectively (the latter are locally mixed with chlorite/green biotite of similar size). Small extinction angle on 010 (<5 degrees) and slightly negative relief compared to quartz suggests a composition near oligoclase (An<sub>20</sub>).

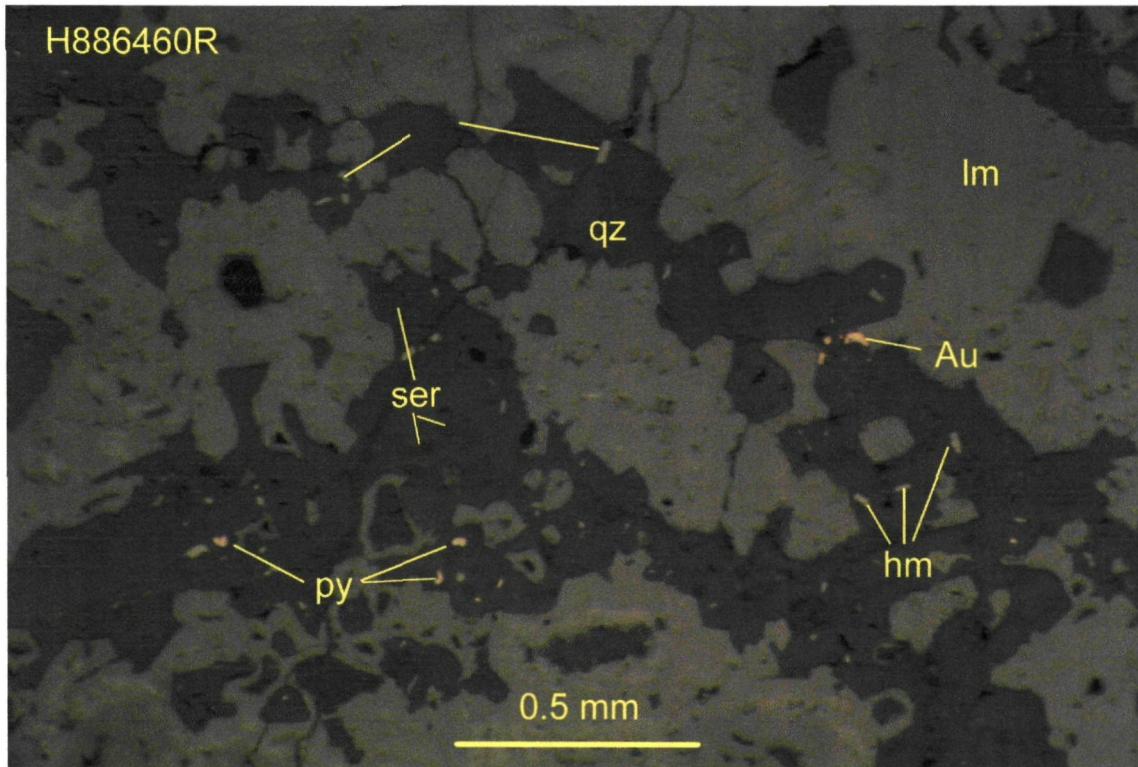
Quartz occurs as either sub/euhedral relict primary crystals/aggregates (locally almost porphyritic, up to 2.5 mm across) or as abundant secondary (vein) material forming interlocking sub/anhedra <2 mm in diameter (veinlets are rarely up to 2 mm thick). Both quartz types show mild to moderate fracturing and strain (undulose extinction, only minor sub-grain development, rare sutured grain boundaries). Primary quartz is relatively more strained/fractured along a trend oblique to the sheeted veining. Finer-grained primary quartz mostly <0.15 mm in diameter also occurs with similar sized feldspar in a groundmass between feldspar and quartz phenocrysts.

Minor biotite forms ragged subhedral flakes rarely up to 1 mm in size with pale/medium brown pleochroism, interstitial to quartz and feldspars. Biotite is locally partly replaced by pale green chlorite or secondary biotite, and is typically associated with accessory magnetite that may in part be relict primary (does not occur in the veinlets).

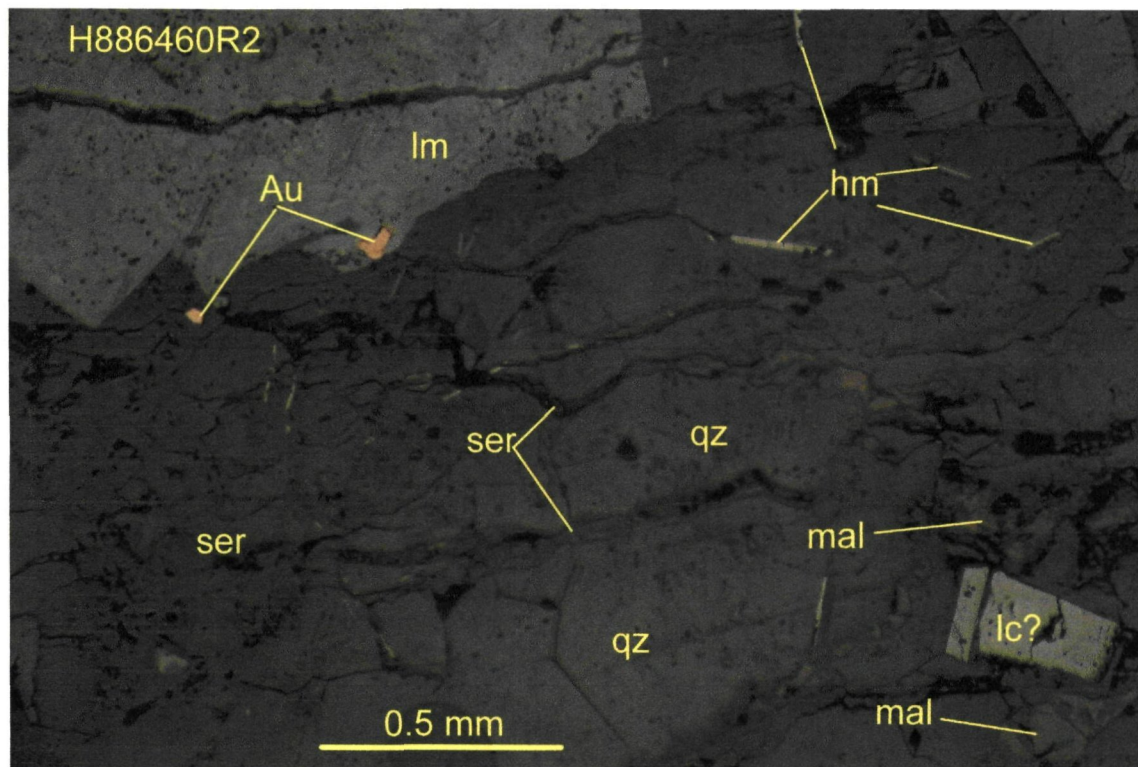
Magnetite occurs as granular aggregates up to about 3.5 mm across composed of interlocking sub- to euhedral crystals mostly <1 mm in diameter, locally slightly oxidized to hematite along partings and grain boundaries. Rarely, the magnetite is associated with a little dark red-brown, low reflectance limonite (likely goethite?), mostly after pyrite, traces of which remain as corroded relicts <75 um in size, within the limonite. Unfortunately, no gold particles were located in the surface of the polished section. Very fine particles could be searched for with SEM (scanning electron microscope) set in backscattered electron mode, looking for bright (high atomic number) particles.

In summary, this is somewhat porphyritic biotite quartz monzonite cut by sheeted veinlets of quartz-magnetite (slightly oxidized to hematite)-trace limonite (after pyrite), associated with weak alteration to clay?/sericite-chlorite/green biotite.



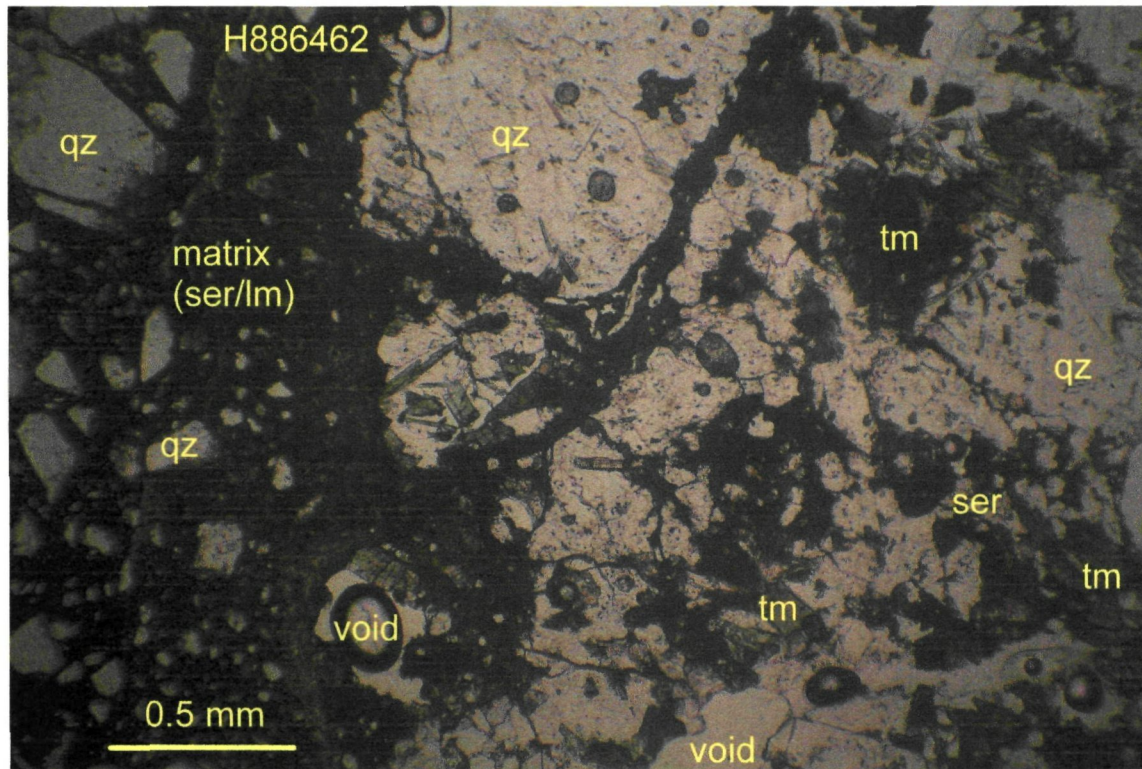


H886460R: Limonite (lm) containing traces of gold (Au) along the rims at contact with secondary quartz (qz) containing minor sericite (ser), specular hematite (hm) and pyrite (py). Pyrite is preserved only where encapsulated within quartz. Reflected light, uncrossed polars, field of view 2.25 mm wide.

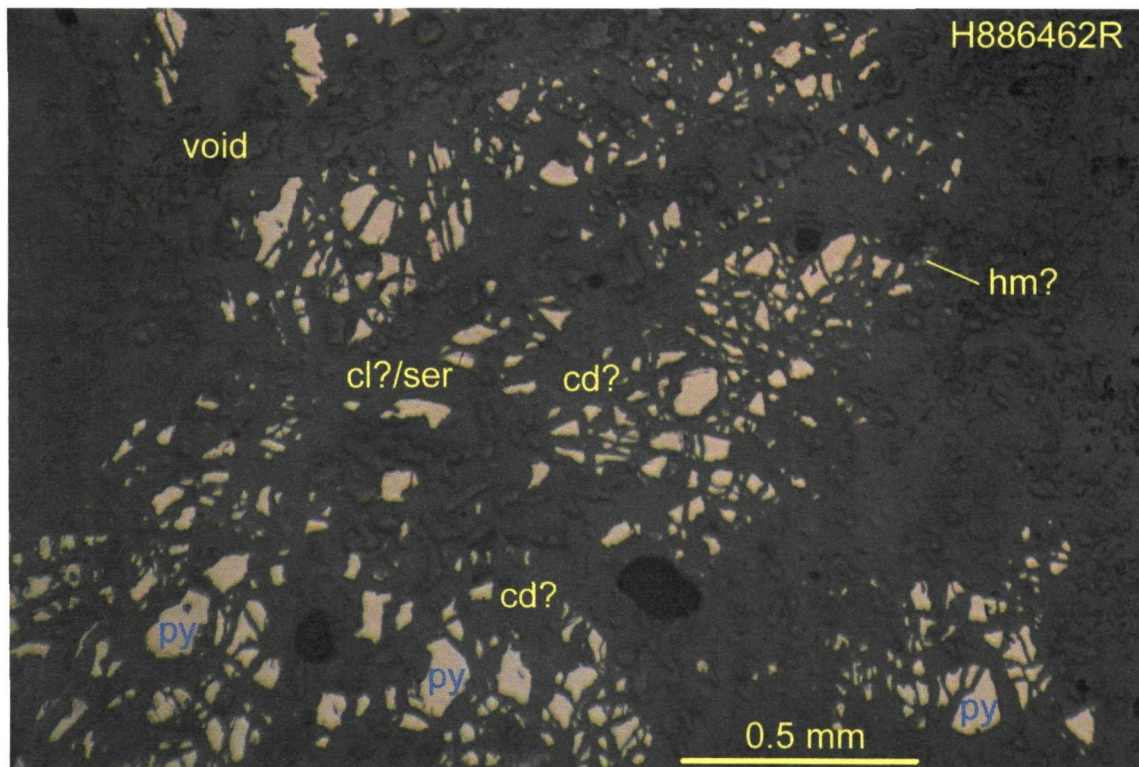


H886460R2: Gold (Au) up to 80  $\mu\text{m}$  in size, associated with margin of limonite (lm) aggregate and possibly with narrow fractures filled with sericite (ser) and malachite (mal) in euhedral secondary quartz (qz) that also contains euhedral flakes of hematite (hm) and aggregates of lepidocrocite? (lc?). Reflected light, uncrossed polars, field of view 2.25 mm wide.



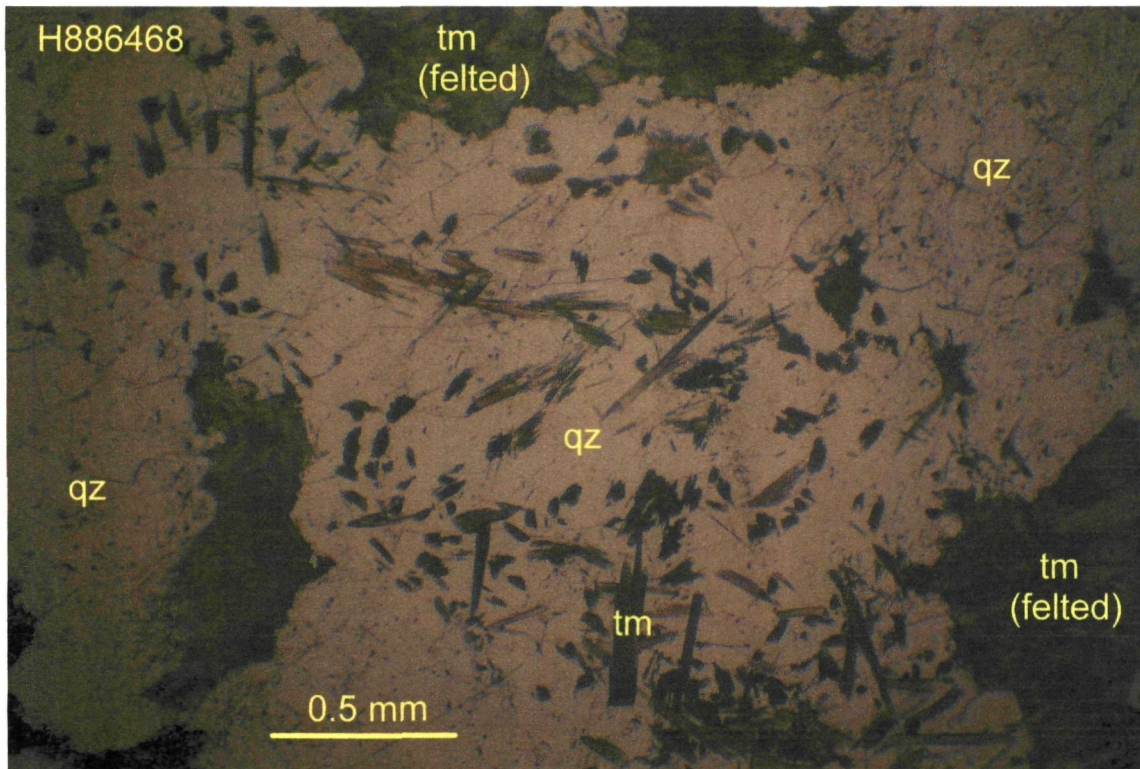


H886462: Strongly fractured quartz (qz) clast containing lesser tourmaline (tm), minor sericite (ser) and limonite (lm), in dark (limonite-stained) matrix of very fine-grained clay?/sericite containing comminuted quartz and local tourmaline shards. Transmitted plane light, field of view 3.0 mm wide.

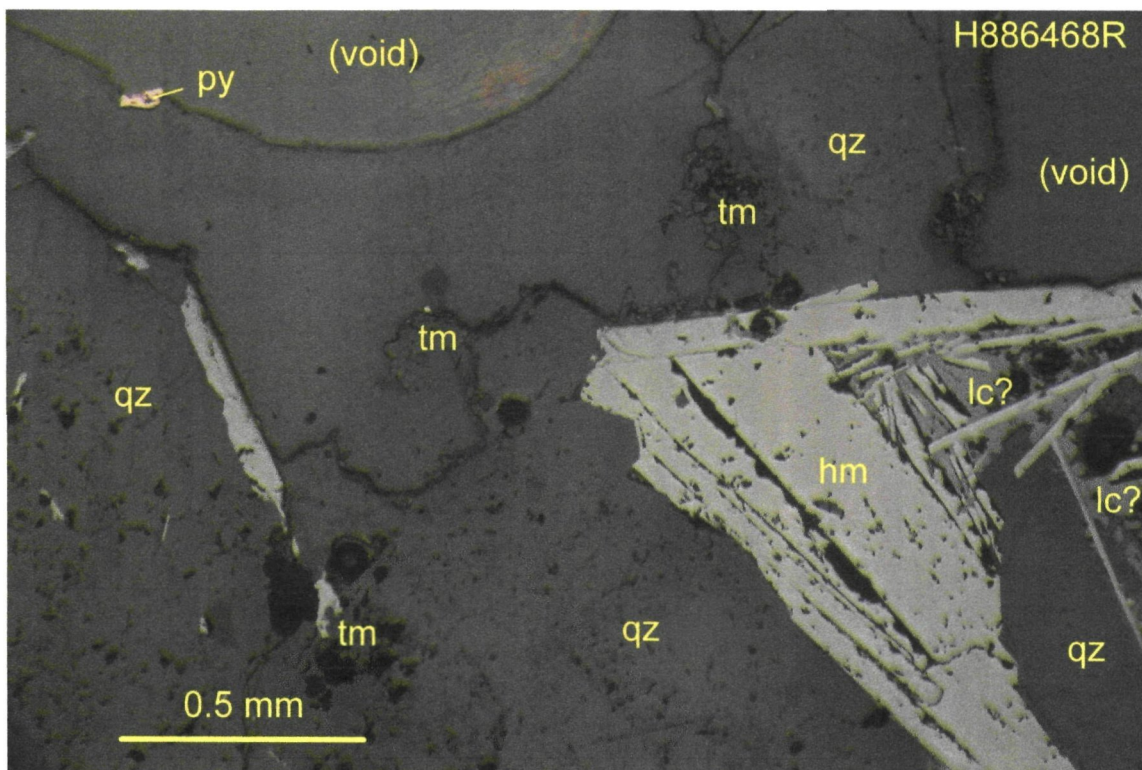


H886462R: Shattered pyrite (py) reduced to angular remnants in boxwork-like matrix of possible chalcedonic quartz (cd?) and clay?/sericite (cl?/ser), partly plucked out to leave voids. Minor specular hematite? (hm) also occurs locally. Reflected light, uncrossed polars, field of view 2.25 mm wide.



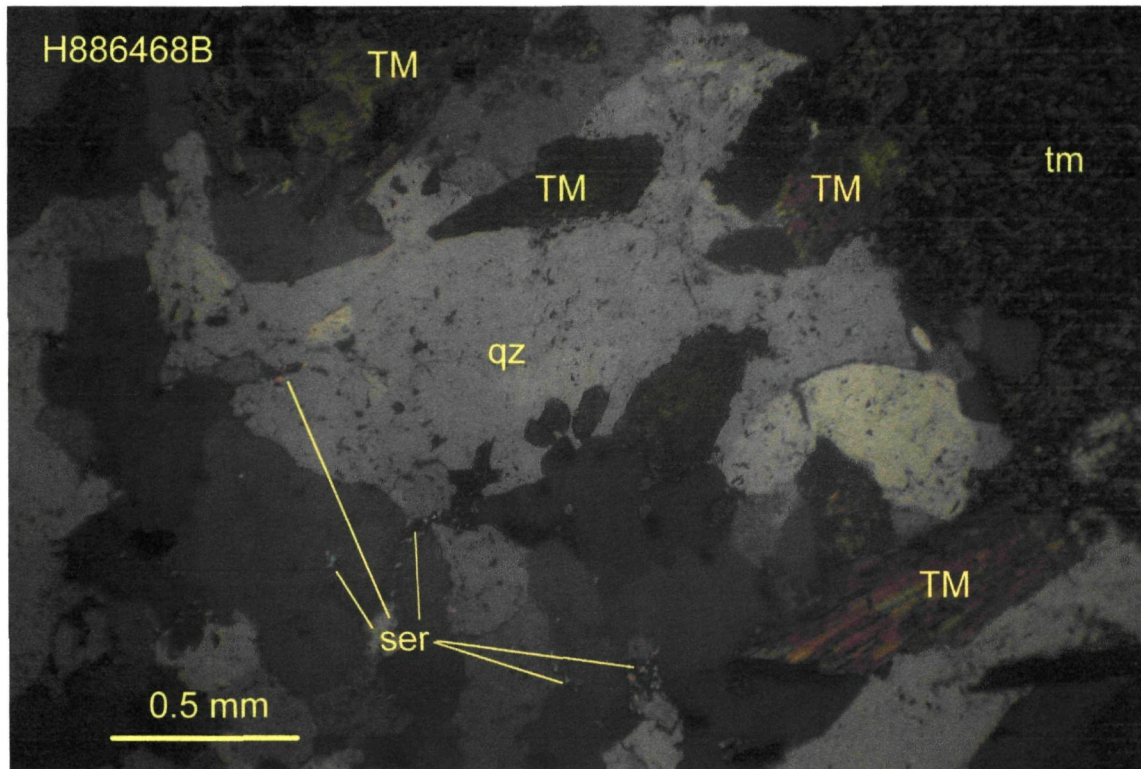


H886468: Possible banded vein of coarse-grained secondary quartz (qz) and lesser fine, felted or locally euhedral acicular tourmaline (tm; dark, schorlitic), the latter growing into relatively clear (later?) quartz. Transmitted plane light, field of view 3.0 mm wide.

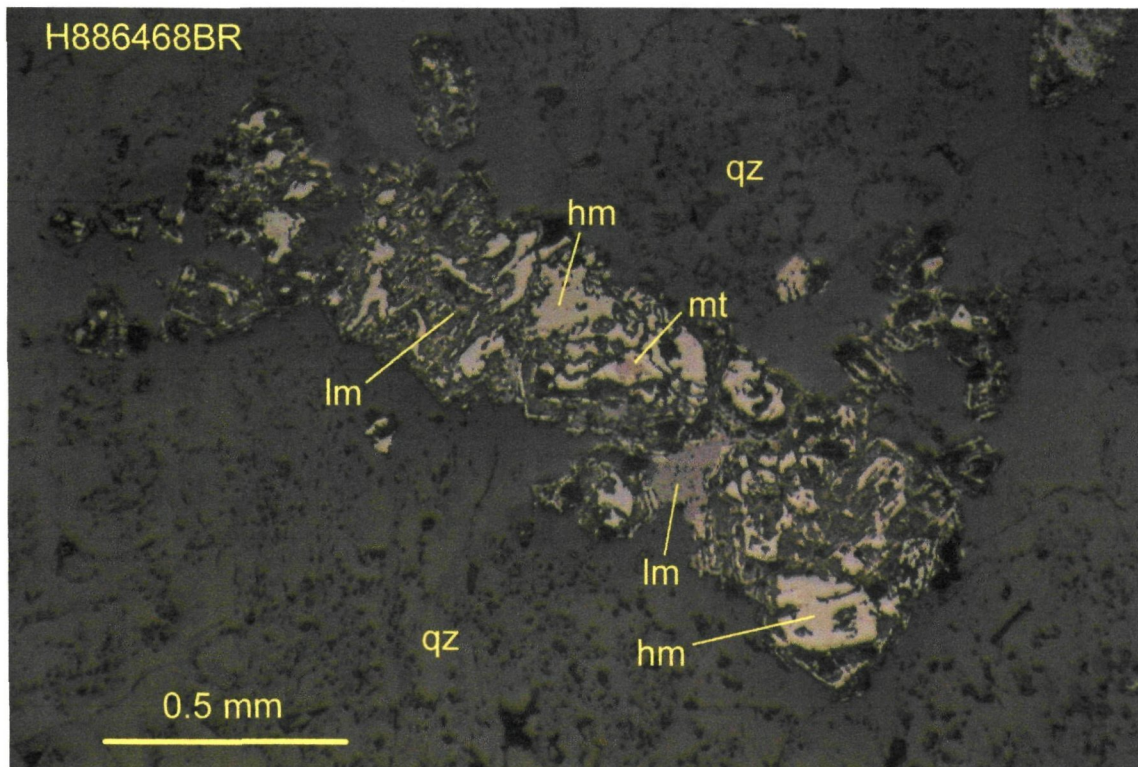


H886468R: Bladed euhedral specular hematite (hm) intergrown with or surrounded by less crystalline limonite (possibly lepidocrocite, lc?) and associated with traces of remnant pyrite (py) now broken off in void space, but originally encapsulated in quartz (qz) and lesser tourmaline (tm). Reflected light, uncrossed polars, field of view 2.25 mm wide.



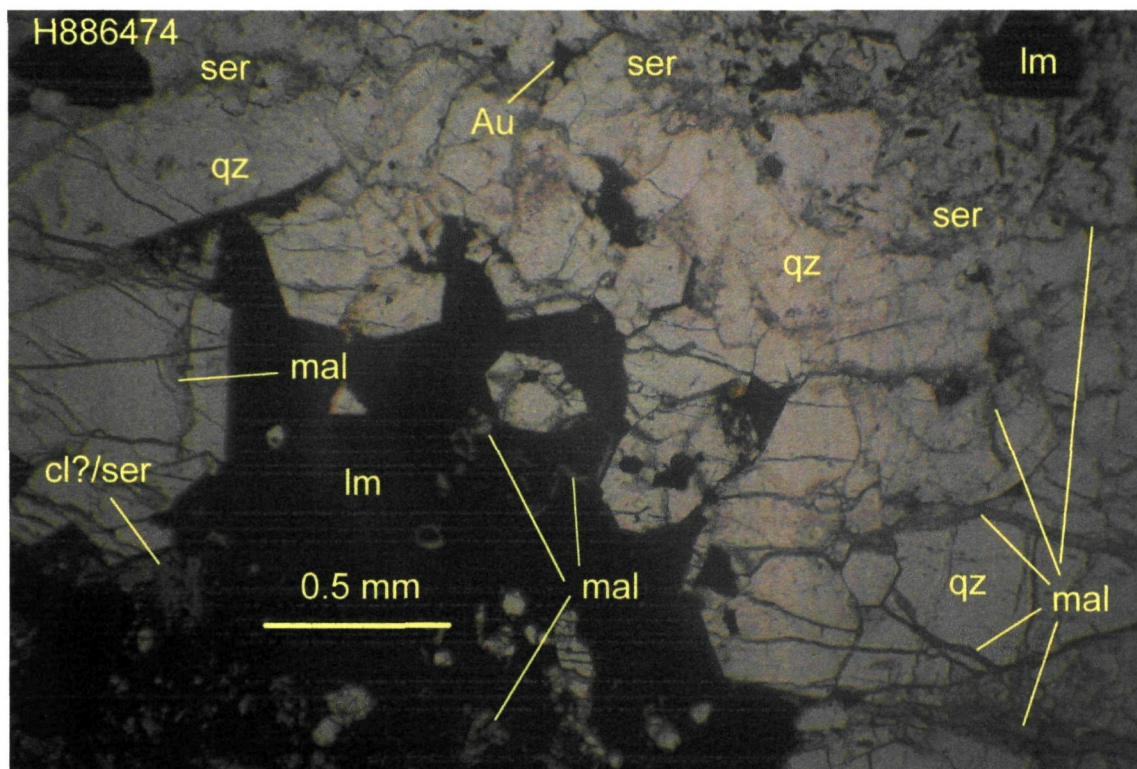


H886468B: Coarsely crystalline secondary quartz (qz) clast (?) with minor included sericite (ser) and coarse tourmaline (TM) crystals growing into it from adjacent fine felted tourmaline (tm) aggregates of the matrix. Transmitted light, crossed polars, field of view 3.0 mm wide.

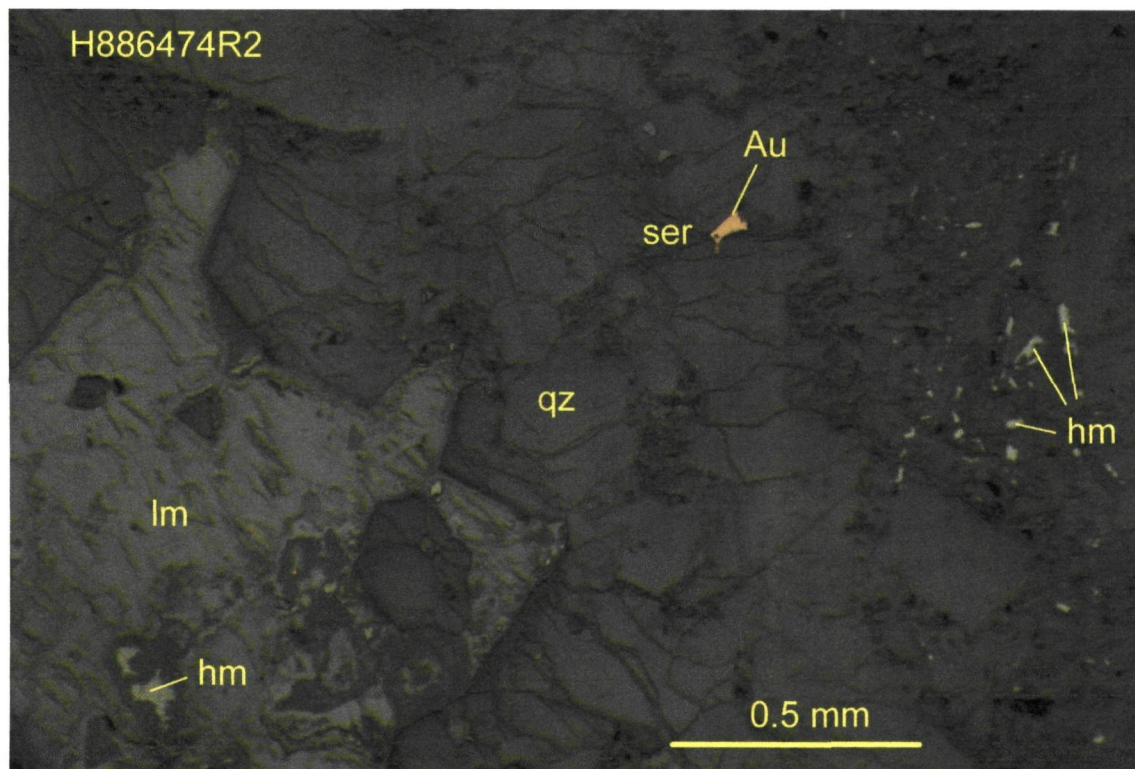


H886468BR: Specular hematite (hm) partly surrounded by limonite (lm), and with traces of corroded relict magnetite (mt) at the core, suggesting the opaque minerals represent oxidized magnetite crystals, in quartz (qz). Reflected light, uncrossed polars, field of view 2.25 mm wide.

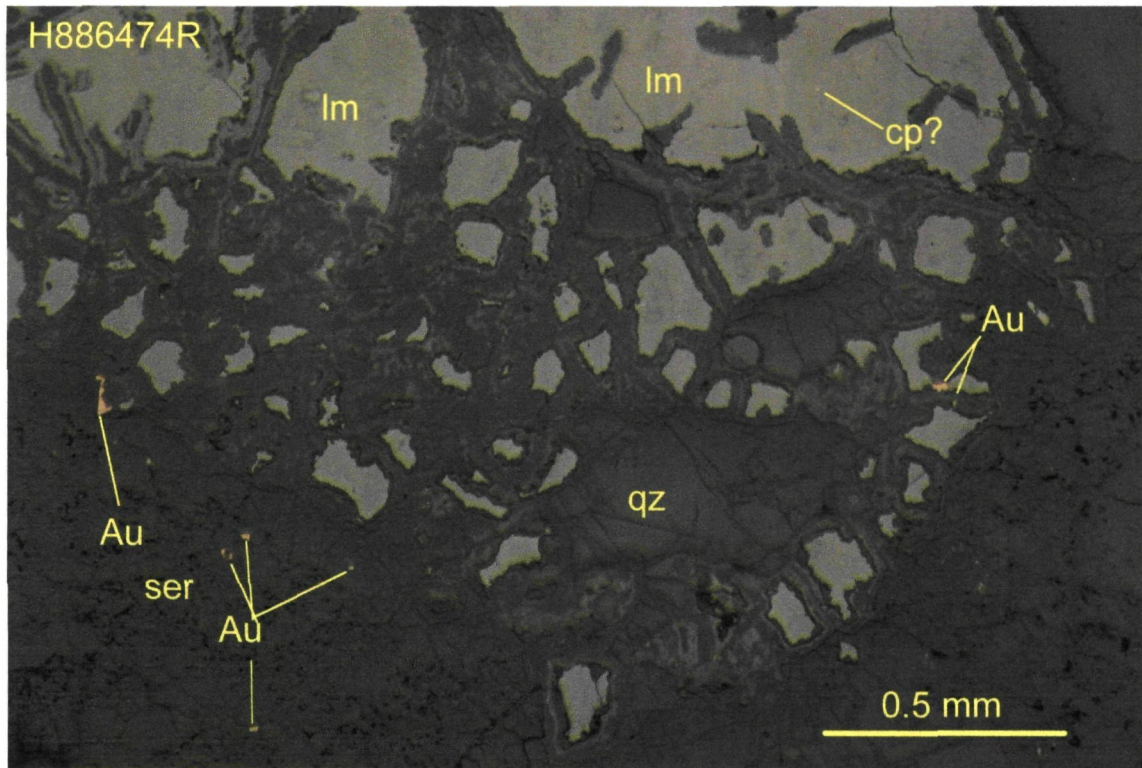




H886474: Area of limonite (lm) possibly after sulfides (?) or magnetite (note cores of clay?/sericite, cl?/ser, or malachite, mal) in and enclosing euhedral crystals of vein quartz (qz). Gold (Au) is associated with interstitial or fracture-controlled sericite (ser); quartz is locally further fractured by malachite. Transmitted plane light, field of view 3.0 mm wide.

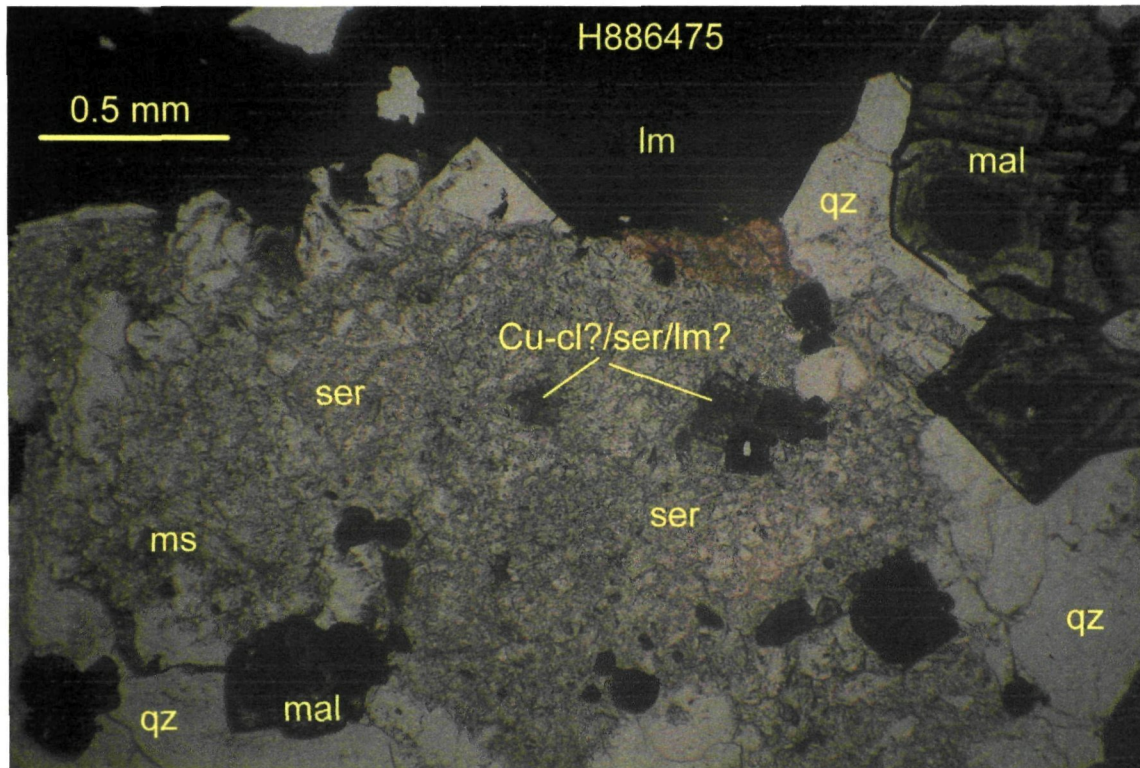


H886474R2: Same elongated particle of native gold (Au) almost 100  $\mu\text{m}$  long, associated with sericite (ser) fracturing in and interstitial to secondary quartz (qz) crystals, near aggregates of limonite that could be after former sulfide (?) or magnetite (?); specular hematite (hm) forms small laths nearby. Reflected light, uncrossed polars, field of view 2.25 mm.

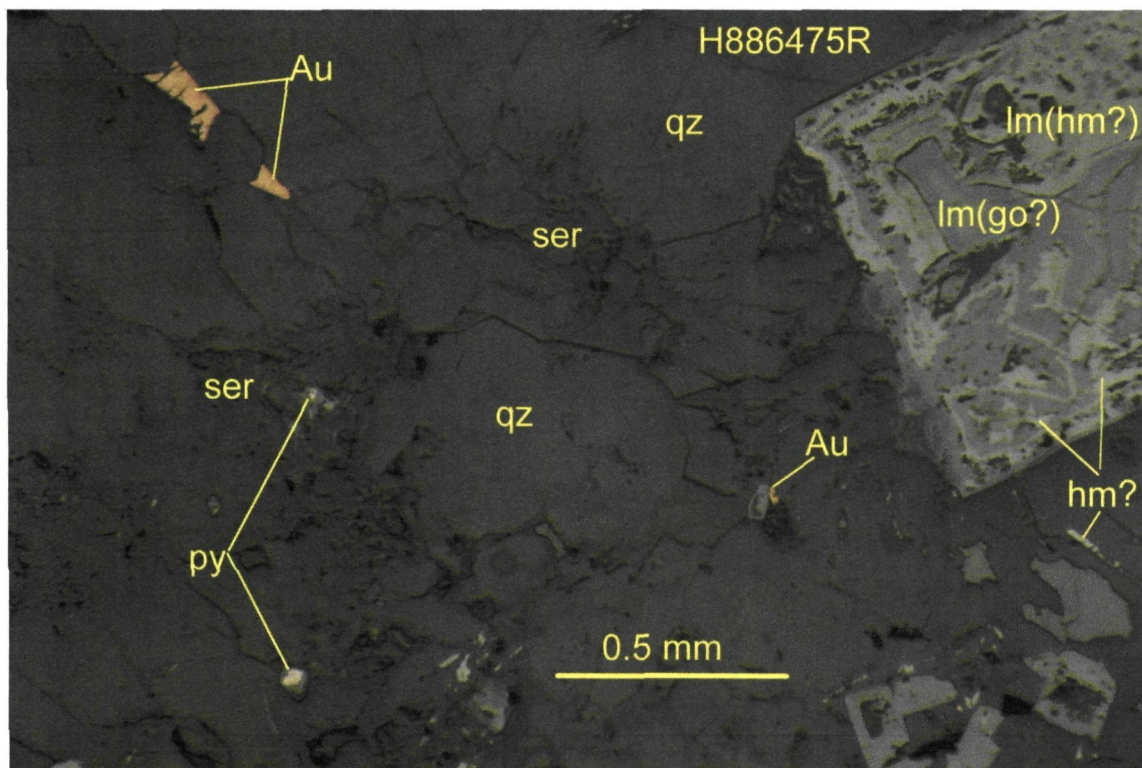


H886474R: Particles of native gold (Au) partly at the edge of or in limonite (lm) that is in part possibly after former coarse chalcopyrite (minute relics of which remain, cp), or associated with sericite (ser) in adjacent quartz (qz). Reflected light, uncrossed polars, field of view 2.25 mm wide.



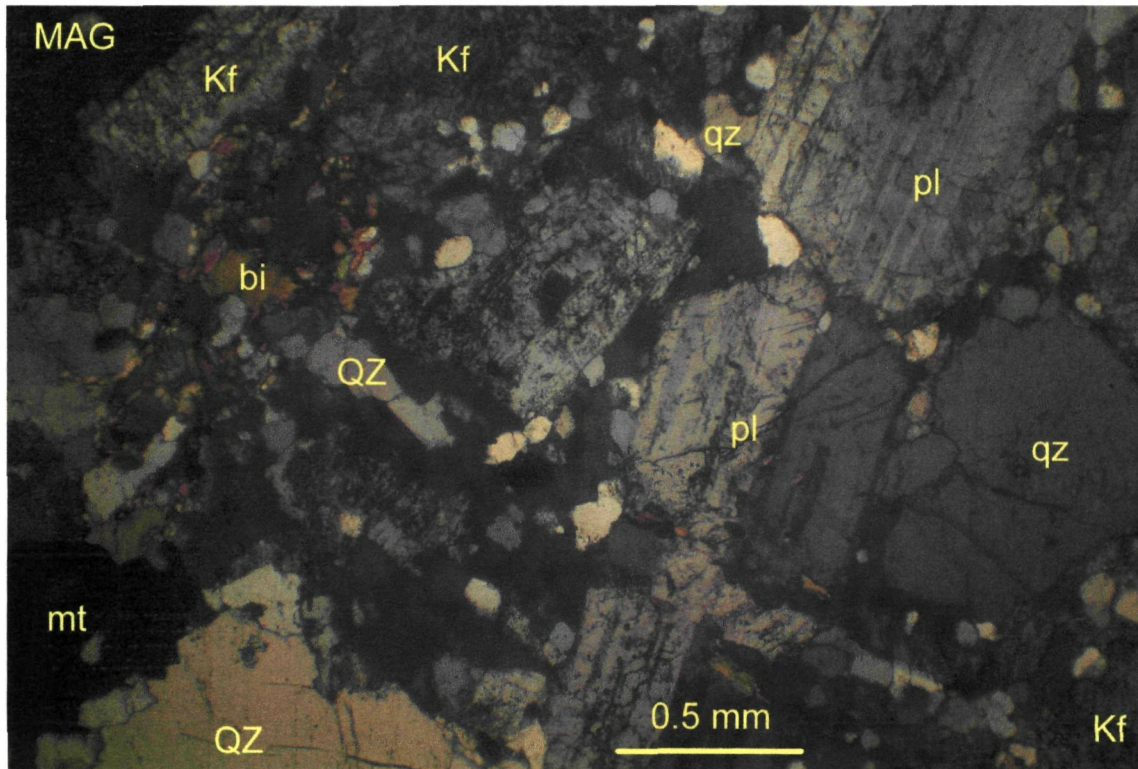


H886475: Sericite (ser) either as fine flakes included in quartz (could represent replacement of former feldspar), or as coarser muscovite (ms, possibly after former mafic minerals), slightly limonite stained near margin of euhedral limonite (lm) or Cu-bearing clay?/sericite/limonite (Cu-cl?/ser/lm) and pale green malachite (mal) aggregates, possibly after pyrite/chalcopyrite. Transmitted plane light, 3.0 mm wide.

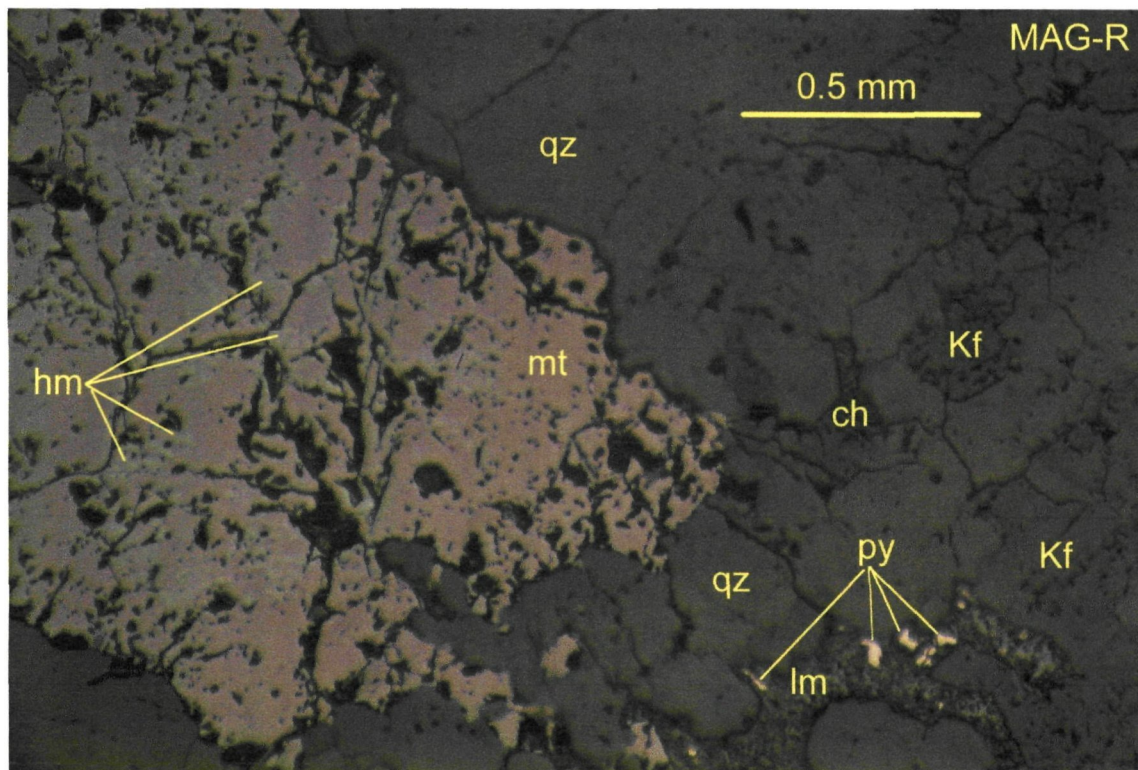


H886475R: Native gold (Au) associated with limonite (lm) or minor sericite (ser) along microfractures in quartz (qz), near major euhedral aggregates of limonite, possibly goethite (lower reflectivity, after sulfides such as pyrite, py, traces of which remain) or hematite (higher reflectivity, after magnetite?). Reflected light, uncrossed polars, field of view 2.25 mm.



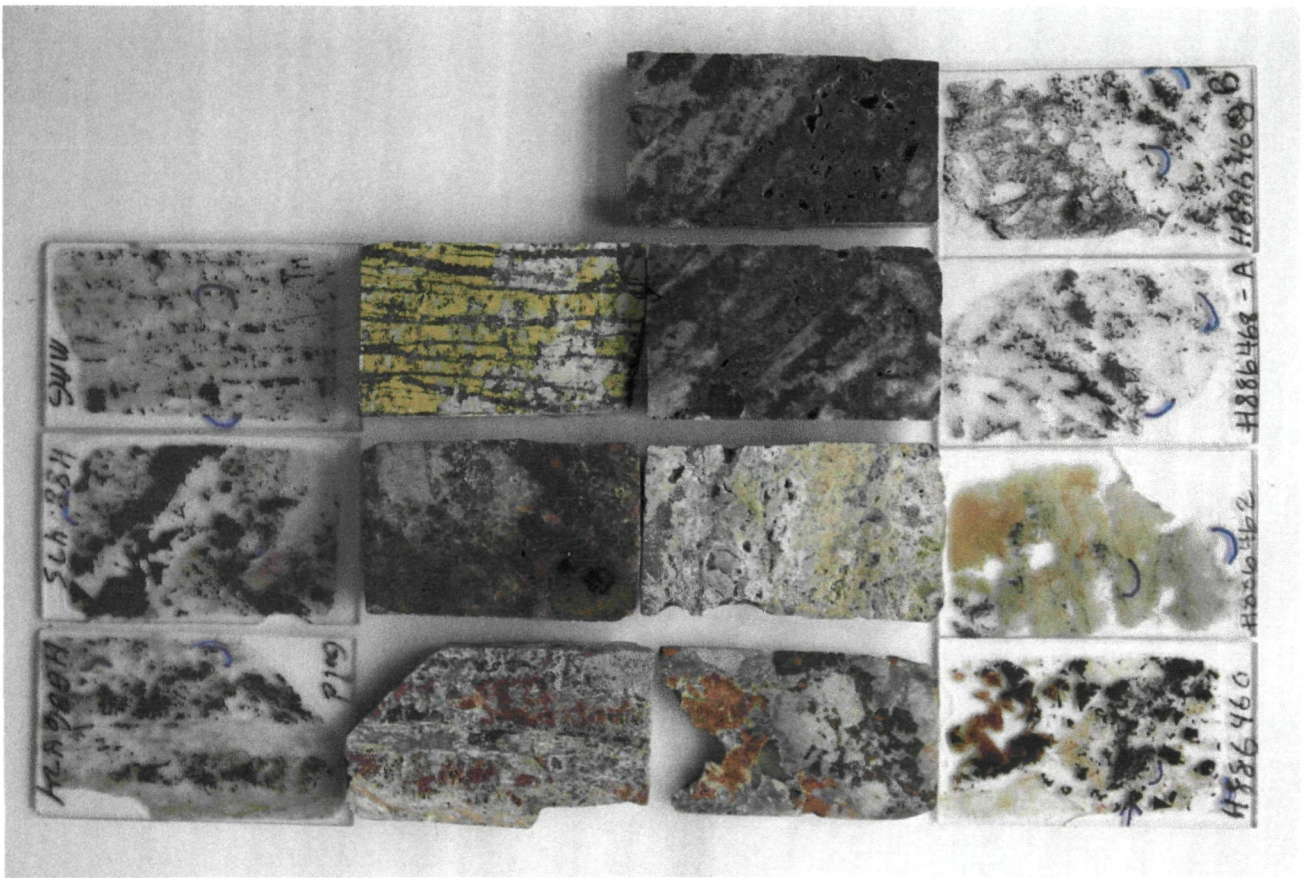


MAG: Quartz monzonite composed of plagioclase (pl), Kspar (Kf) and primary pyritic or groundmass quartz (qz) plus accessory biotite (bi), cut by narrow veinlets of secondary quartz (QZ)-magnetite (opaque). Feldspars are clouded by incipient alteration to clay/sericite. Transmitted light, crossed polars, field of view 3.0 mm wide.



MAG-R: Aggregate of granular subhedral magnetite (mt) showing slight oxidation to traces of hematite (hm), associated with secondary quartz (qz) and minor goethitic limonite (lm) containing traces of relict pyrite (py) along the vein margin with Kspar (Kf) and trace chlorite (ch, after biotite). Reflected light, uncrossed polars, field of view 2.25 mm wide.





Overview of thin sections and offcuts (blue semi-circles mark photomicrograph locations).

**APPENDIX IV**

**EASTERN PORPHYRY TARGET –  
TRAVERSE SUMMARIES AND ROCK SAMPLE DESCRIPTIONS**

**Rock Sample Descriptions**Project: Prospector MoulProperty: Prospector Mountain

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|                |            |          |             |           |                      |                             |
|----------------|------------|----------|-------------|-----------|----------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:                  |
| G284001        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: 1.65 m | Abundance: Locally Abundant |
|                | Elevation: | m        |             |           |                      |                             |

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Comments: **Target C - PM-TR-09-01** - 1.65 m chip of bleached tan volcanics hosting manganese staining (dendritic and massive) on fractures (121/71S) and (051/90).

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|                |            |          |             |           |                      |                  |
|----------------|------------|----------|-------------|-----------|----------------------|------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:       |
| G284002        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: 0.55 m | Abundance: Local |
|                | Elevation: | m        |             |           |                      |                  |

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Comments: **Target C - PM-TR-09-01** - 0.55 chip sample of extremely bleached volcanic on immediate contact with vein. Very strong manganese.

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|                |            |          |             |           |               |                          |
|----------------|------------|----------|-------------|-----------|---------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Grab    | Dimension:               |
| G284003        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |               |                          |

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Comments: **Target C - PM-TR-09-01** - Grab sample of very massive gouge (7cm wide).

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284004        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: 0.71 m | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |                      |                          |

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Comments: **Target C - PM-TR-09-01** - 0.71 m chip sample of yellow (first 7 cm) gouge followed by very limonitic with local yellow gouge (0.51 m) followed by extremely stained and pitted manganese (12 cm).

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|                |            |          |             |           |                    |                             |
|----------------|------------|----------|-------------|-----------|--------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip         | Dimension:                  |
| G284005        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: 0.52 | Abundance: Locally Abundant |
|                | Elevation: | m        |             |           |                    |                             |

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Comments: **Target C - PM-TR-09-01** - 0.52 m chip of very strongly bleached volcanics with a strong malachite/azurite staining throughout.

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|                |            |          |             |           |                      |                             |
|----------------|------------|----------|-------------|-----------|----------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:                  |
| G284006        | UTM:       | 349850 E | UTM:        | 6925622 N | Sample Width: 1.10 m | Abundance: Locally Abundant |
|                | Elevation: | m        |             |           |                      |                             |

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Comments: **Target C - PM-TR-09-01** - 1.10 m chip of footwall manganese stained volcanics.

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**Rock Sample Descriptions**Project: Prospector MoulProperty: Prospector Mountain

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284013        | UTM:       | 349931 E | UTM:        | 6925689 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | m        |             |           |                     |                     |

Comments: **Target C - PM-TR-09-03** - 1.0 m chip sample of footwall altered volcanics with strong manganese staining.

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|                |            |          |             |           |                     |                             |
|----------------|------------|----------|-------------|-----------|---------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: chip          | Dimension:                  |
| G284014        | UTM:       | 349969 E | UTM:        | 6925705 N | Sample Width: 1.0 m | Abundance: Locally Abundant |
|                | Elevation: | m        |             |           |                     |                             |

Comments: **Target C - PM-TR-09-04** - 1.0 m chip sample of highly altered volcanic manganese stained fractures.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: chip           | Dimension:               |
| G284015        | UTM:       | 349969 E | UTM:        | 6925705 N | Sample Width: 0.30 m | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |                      |                          |

Comments: **Target C - PM-TR-09-04** - 0.30 m chip of white gouge.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: chip           | Dimension:               |
| G284016        | UTM:       | 349969 E | UTM:        | 6925705 N | Sample Width: 0.32 m | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |                      |                          |

Comments: **Target C - PM-TR-09-04** - 0.32 m chip of hematite stained vein material with strong limonite alteration within local pitting.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284017        | UTM:       | 349969 E | UTM:        | 6925705 N | Sample Width: 1.02 m | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |                      |                          |

Comments: **Target C - PM-TR-09-04** - 1.02 m chip sample of near massive white gouge. Fine grained, vitrious purple xtals (electrum?) locally.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284018        | UTM:       | 349969 E | UTM:        | 6925705 N | Sample Width: 1.03 m | Abundance: Fault bounded |
|                | Elevation: | m        |             |           |                      |                          |

Comments: **Target C - PM-TR-09-04** - 1.03 m chip sample of green silicious vein material locally limonite staining on fractures and very local hematite staining on pits and fractures.

**Rock Sample Descriptions**Project: Prospector Moui Property: Prospector Mountain

Sample Number: G284019  
Grid East: E UTM: 349969 E  
Grid North: N UTM: 6925705 N  
Type: Chip  
Dimension: Abundance: Abundant  
Sample Width: 1.00 m  
Elevation: m

Comments: **Target C - PM-TR-09-04** - 1.00 m chip across footwall volcanics with manganese staining.

Sample Number: G284020  
Grid East: E UTM: 350002 E  
Grid North: N UTM: 6925733 N  
Type: chip  
Dimension: Abundance: Abundant  
Sample Width: 1.0 m  
Elevation: 1590 m

Comments: **Target C - PM-TR-09-05** - 1.0 m chip sample of strongly altered volcanics.

Sample Number: G284021  
Grid East: E UTM: 350002 E  
Grid North: N UTM: 6925733 N  
Type: Chip  
Dimension: Abundance: Fault bounded  
Sample Width: 0.50 m  
Elevation: 1590 m

Comments: **Target C - PM-TR-09-05** - 0.50 m chip sample of very strongly altered and silicified volcanics (colour bleached to Yellow-orange).

Sample Number: G284022  
Grid East: E UTM: 350002 E  
Grid North: N UTM: 6925733 N  
Type: Chip  
Dimension: Abundance: Fault bounded  
Sample Width: 0.26 m  
Elevation: 1590 m

Comments: **Target C - PM-TR-09-05** - 0.26 m chip sample of grey quartz vein hosting disseminated grey fine grained sulphides. 3 cm wide band of white gouge on hanging wall contact.

Sample Number: G284023  
Grid East: E UTM: 350002 E  
Grid North: N UTM: 6925733 N  
Type: Chip  
Dimension: Abundance: Fault bounded  
Sample Width: 0.28 m  
Elevation: 1590 m

Comments: **Target C - PM-TR-09-05** - 0.28 m chip sample of white gouge with minor limonite stained gouge.

Sample Number: G284024  
Grid East: E UTM: 350002 E  
Grid North: N UTM: 6925733 N  
Type: Chip  
Dimension: Abundance: Locally Abundant  
Sample Width: 1.0 m  
Elevation: 1590 m

Comments: **Target C - PM-TR-09-05** - 1.0 m chip sample of orange manganese stained volcanics.



**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

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|                |            |          |             |           |                     |                             |
|----------------|------------|----------|-------------|-----------|---------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:                  |
| G284025        | UTM:       | 349897 E | UTM:        | 6926855 N | Sample Width: 1.0 m | Abundance: Locally Abundant |
|                | Elevation: | 1647 m   |             |           |                     |                             |

---

Comments: **Target B - PM-TR-09-06** - 1.0 m chip sample across strongly altered volcanics immediately adjacent to vein zone. Strong manganese and limonite staining mainly restricted to fractures between 0-0.65 m and pervasive throughout host between 0.65 - 1.0 m.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284026        | UTM:       | 349897 E | UTM:        | 6926855 N | Sample Width: 0.96 m | Abundance: Fault bounded |
|                | Elevation: | 1647 m   |             |           |                      |                          |

---

Comments: **Target B - PM-TR-09-06** - 0.96 m chip sample across vein structure hosting clay altered quartz veining and poddy limonite and clay gouge. Hematite bands on start and end of interval. Discreet zones within zone appear to possibly have a relic volcanic texture (possibly xenoliths/wall fragments within vein).

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284027        | UTM:       | 349897 E | UTM:        | 6926855 N | Sample Width: 0.26 m | Abundance: Fault bounded |
|                | Elevation: | 1647 m   |             |           |                      |                          |

---

Comments: **Target B - PM-TR-09-06** - 0.26 m chip sample of grey clay gouge (85%) with minor limonite stained gouge and very narrow zone of hematite.

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|                |            |          |             |           |                     |                             |
|----------------|------------|----------|-------------|-----------|---------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:                  |
| G284028        | UTM:       | 349897 E | UTM:        | 6926855 N | Sample Width: 1.0 m | Abundance: Locally Abundant |
|                | Elevation: | 1647 m   |             |           |                     |                             |

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Comments: **Target B - PM-TR-09-06** - 1.0 m chip sample of altered volcanics. A narrow 4 cm wide vein with strong manganese staining and very fine grained galine with abundant rusty pits.

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|                |            |   |             |   |                      |                             |
|----------------|------------|---|-------------|---|----------------------|-----------------------------|
| Sample Number: | Grid East: | E | Grid North: | N | Type: Chip           | Dimension:                  |
| G284029        | UTM:       | E | UTM:        | N | Sample Width: 0.50 m | Abundance: Locally Abundant |
|                | Elevation: | m |             |   |                      |                             |

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Comments: **Target B - PM-TR-09-07** - 0.50 m chip sample of manganese stained, blocky volcanics.

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|                |            |   |             |   |                    |                          |
|----------------|------------|---|-------------|---|--------------------|--------------------------|
| Sample Number: | Grid East: | E | Grid North: | N | Type: Chip         | Dimension:               |
| G284030        | UTM:       | E | UTM:        | N | Sample Width: 0.43 | Abundance: Fault bounded |
|                | Elevation: | m |             |   |                    |                          |

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Comments: **Target B - PM-TR-09-07** - 0.43 m chip sample of green quartz vein (or possibly very altered and silicified host volcanics?)

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**Rock Sample Descriptions**Project: Prospector Moui Property: Prospector Mountain

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|                |            |   |             |   |                      |                          |
|----------------|------------|---|-------------|---|----------------------|--------------------------|
| Sample Number: | Grid East: | E | Grid North: | N | Type: Chip           | Dimension:               |
| G284031        | UTM:       | E | UTM:        | N | Sample Width: 0.35 m | Abundance: Fault bounded |
|                | Elevation: | m |             |   |                      |                          |

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Comments: **Target B - PM-TR-09-07** - 0.35 m chip of grey/yellow/orange gouge in central portion of vein.

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|                |            |   |             |   |                      |                          |
|----------------|------------|---|-------------|---|----------------------|--------------------------|
| Sample Number: | Grid East: | E | Grid North: | N | Type: Chip           | Dimension:               |
| G284032        | UTM:       | E | UTM:        | N | Sample Width: 0.19 m | Abundance: Fault bounded |
|                | Elevation: | m |             |   |                      |                          |

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Comments: **Target B - PM-TR-09-07** - 0.19 m chip of green quartz vein hosted with gouge zone.

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|                |            |   |             |   |                     |                     |
|----------------|------------|---|-------------|---|---------------------|---------------------|
| Sample Number: | Grid East: | E | Grid North: | N | Type: Chip          | Dimension:          |
| G284033        | UTM:       | E | UTM:        | N | Sample Width: 0.5 m | Abundance: Abundant |
|                | Elevation: | m |             |   |                     |                     |

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Comments: **Target B - PM-TR-09-07** - 0.5 m chip of manganese stained volcanics.

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284034        | UTM:       | 349720 E | UTM:        | 6926743 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | 1672 m   |             |           |                     |                     |

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Comments: **Target B - PM-TR-09-08** - 1.0 m chip of green volcanics hosting minor manganese and limonite staining.

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|                |            |          |             |           |                      |                  |
|----------------|------------|----------|-------------|-----------|----------------------|------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:       |
| G284035        | UTM:       | 349720 E | UTM:        | 6926743 N | Sample Width: 0.04 m | Abundance: Local |
|                | Elevation: | 1672 m   |             |           |                      |                  |

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Comments: **Target B - PM-TR-09-08** - 0.04 m chip of grey gouge. No observable mineralization.

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|                |            |          |             |           |                      |                             |
|----------------|------------|----------|-------------|-----------|----------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:                  |
| G284036        | UTM:       | 349720 E | UTM:        | 6926743 N | Sample Width: 0.52 m | Abundance: Locally Abundant |
|                | Elevation: | 1672 m   |             |           |                      |                             |

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Comments: **Target B - PM-TR-09-08** - 0.52 m chip of strong limonite altered green volcanics hosting narrow grey-orange gouge zone (clay-limonite altered).





**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

Sample Number: G284043    Grid East: 349580 E    Grid North: 6926763 N    Type: Chip    Dimension:    Abundance: Locally Abundant  
UTM: 349580 E    UTM: 6926763 N    Sample Width: 0.5 m  
Elevation: 1712 m

Comments: **Target B - PM-TR-09-10** - 0.5 m chip sample across mainly fine grained volcanics. Weakly altered.

Sample Number: G284044    Grid East: 349580 E    Grid North: 6926763 N    Type: Chip    Dimension:    Abundance: Fault bounded  
UTM: 349580 E    UTM: 6926763 N    Sample Width: 0.13 m  
Elevation: 1712 m

Comments: **Target B - PM-TR-09-10** - 0.13 m chip of grey and red gouge zone hosting massive red bands of hematite and specular hematite. Rep taken.

Sample Number: G284045    Grid East: 349580 E    Grid North: 6926763 N    Type: Chip    Dimension:    Abundance: Locally Abundant  
UTM: 349580 E    UTM: 6926763 N    Sample Width: 0.41 m  
Elevation: 1712 m

Comments: **Target B - PM-TR-09-10** - 0.41 m chip of moderately altered volcanics. Abundant limonite staining with pits and fractures. Minor limonite stained gouge.

Sample Number: G284046    Grid East: 349580 E    Grid North: 6926763 N    Type: Chip    Dimension:    Abundance: Abundant  
UTM: 349580 E    UTM: 6926763 N    Sample Width: 0.5 m  
Elevation: 1712 m

Comments: **Target B - PM-TR-09-10** - 0.5 m chip sample of weakly altered volcanics.

Sample Number: G284047    Grid East: 349580 E    Grid North: 6926763 N    Type: Float    Dimension:    Abundance: Local  
UTM: 349580 E    UTM: 6926763 N    Sample Width: 8cmx25cmx1  
Elevation: 1712 m

Comments: **Target B - PM-TR-09-10** - Float sample on floor of historical trench of quartz vein hosting limonite pits and minor gouge. Boulders are 8 cm x 25 cm x 8cm.

Sample Number: G284048    Grid East: 347477 E    Grid North: 6926411 N    Type: Chip    Dimension:    Abundance: Locally Abundant  
UTM: 347477 E    UTM: 6926411 N    Sample Width: 1.30 m  
Elevation: 1649 m

Comments: **Target D - PM-TR-09-11** - 1.30 m chip sample across volcanics and hosting different zonations of alteration and staining. These include discreet zones of manganese, limonite, hematite, and quartz flooding.

**Rock Sample Descriptions**Project: Prospector MounProperty: Prospector Mountain

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284049        | UTM:       | 347477 E | UTM:        | 6926411 N | Sample Width: 0.17 m | Abundance: Fault bounded |
|                | Elevation: | 1649 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-11** - 0.17 m chip sample across banded quartz with minor fragmentations, pits, and massive bands of cerrusite and anglosite with local remnant galena.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284050        | UTM:       | 347477 E | UTM:        | 6926411 N | Sample Width: 0.15 m | Abundance: Fault bounded |
|                | Elevation: | 1649 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-11** - 0.15 m chip sample of massive orange gouge

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284051        | UTM:       | 347477 E | UTM:        | 6926411 N | Sample Width: 0.33 m | Abundance: Fault bounded |
|                | Elevation: | 1649 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-11** - 0.33 m chip sample of white quartz-clay vein material. Minor cerrusite locally. Local pods of orange gouge.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284052        | UTM:       | 347477 E | UTM:        | 6926411 N | Sample Width: 0.34 m | Abundance: Fault bounded |
|                | Elevation: | 1649 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-11** - 0.34 m chip of white - yellow (and minor orange) gouge hosting a narrow zone of anglesite (3 cm wide).

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284053        | UTM:       | 347477 E | UTM:        | 6926411 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | 1649 m   |             |           |                     |                     |

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Comments: **Target D - PM-TR-09-11** - 1.0 m chip of green aphanitic volcanics hosting minor orange gouge on fractures. 1 narrow (< 2 cm wide) zone of pitted and rotten material.

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|                |            |          |             |           |                     |                          |
|----------------|------------|----------|-------------|-----------|---------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:               |
| G284054        | UTM:       | 347450 E | UTM:        | 6926379 N | Sample Width: 0.5 m | Abundance: Fault bounded |
|                | Elevation: | 1665 m   |             |           |                     |                          |

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Comments: **Target D - PM-TR-09-12** - 0.5 m sample of yellow-grey gouge and crushed quartz. Trench making water.

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**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

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Sample Number: G284055    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 0.5 m    Abundance: Abundant  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 0.50 m chip sample of very strongly limonitic and manganese altered volcanics.

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Sample Number: G284056    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 0.25 m    Abundance: Fault bounded  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 0.25 m chip sample manganese stained, locally vuggy quartz vein hosting very fine grained disseminated sulphides.

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Sample Number: G284057    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 0.5 m    Abundance: Fault bounded  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 0.50 m chip sample of broken, highly altered quartz-clay vein and grey and orange gouge.

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Sample Number: G284058    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 1.0 m    Abundance: Fault bounded  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 1.0 m of mainly yellow, grey, and orange gouge hosting narrow (7 cm wide) quartz vein with disseminated py.

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Sample Number: G284059    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 0.5 m    Abundance: Fault bounded  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 0.5 m chip of gouge (orange and yellow).

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Sample Number: G284060    Grid East: E    Grid North: N    Type: Chip    Dimension:  
UTM: 347235 E    UTM: 6926310 N    Sample Width: 1.0 m    Abundance: Locally abundant  
Elevation: 1641 m

Comments: **Target D - PM-TR-09-13** - 1.0 m of manganese and limonite altered volcanics

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**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

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|                |            |          |             |           |                     |                             |
|----------------|------------|----------|-------------|-----------|---------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:                  |
| G284061        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 1.0 m | Abundance: Locally abundant |
|                | Elevation: | 1646 m   |             |           |                     |                             |

Comments: **Target D - PM-TR-09-14** - 1.0 m chip sample of very bleached volcanics hosting limonite and manganese staining on fractures. Fractures at 015/vertical

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284062        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 0.35 m | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |                      |                          |

Comments: **Target D - PM-TR-09-14** - 0.35 m chip of light green, highly silicified vein material or host volcanics (quite unlikely). Quartz stringers exist within this zone.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284063        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 0.50 m | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |                      |                          |

Comments: **Target D - PM-TR-09-14** - 0.50 m chip sample of grey quartz vein hosting local sulphides (py, galena) and strong pitting coated by limonite.

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|                |            |          |             |           |                     |                          |
|----------------|------------|----------|-------------|-----------|---------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:               |
| G284064        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 0.5 m | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |                     |                          |

Comments: **Target D - PM-TR-09-14** - 0.50 chip of grey quartz vein. Local sulphides of disseminated galena, arseno, and py and possible electrum. Minor scorodite locally.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284065        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 0.47 m | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |                      |                          |

Comments: **Target D - PM-TR-09-14** - 0.47 m chip of grey-green qv material. Yellow staining within locally abundant pits.

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284066        | UTM:       | 347338 E | UTM:        | 6926321 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | 1646 m   |             |           |                     |                     |

Comments: **Target D - PM-TR-09-14** - 1.0 m chip of yellow altered volcanics with limonite and manganese staining.

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**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

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|                |            |          |             |           |               |      |                     |
|----------------|------------|----------|-------------|-----------|---------------|------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip | Dimension:          |
| G284067        | UTM:       | 347420 E | UTM:        | 6926321 N | Sample Width: | 0.6  | Abundance: Abundant |
|                | Elevation: | 1646 m   |             |           |               |      |                     |

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Comments: **Target D - PM-TR-09-15** -0.60 m chip of mainly unaltered green volcanics.

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|                |            |          |             |           |               |        |                             |
|----------------|------------|----------|-------------|-----------|---------------|--------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip   | Dimension:                  |
| G284068        | UTM:       | 347420 E | UTM:        | 6926321 N | Sample Width: | 0.40 m | Abundance: Locally abundant |
|                | Elevation: | 1646 m   |             |           |               |        |                             |

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Comments: **Target D - PM-TR-09-15** - 0.40 m chip of green volcanics hosting disseminated py grains. NOTE: A ~10cmX10cm pod of gouge was found on the floor.

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|                |            |          |             |           |               |      |                          |
|----------------|------------|----------|-------------|-----------|---------------|------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip | Dimension:               |
| G284069        | UTM:       | 347420 E | UTM:        | 6926321 N | Sample Width: | 0.31 | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |               |      |                          |

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Comments: **Target D - PM-TR-09-15** - 0.31 m chip of orange coloured gouge sample taken on floor due to the angle of the vein zone.

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|                |            |          |             |           |               |        |                          |
|----------------|------------|----------|-------------|-----------|---------------|--------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip   | Dimension:               |
| G284070        | UTM:       | 347420 E | UTM:        | 6926321 N | Sample Width: | 0.16 m | Abundance: Fault bounded |
|                | Elevation: | 1646 m   |             |           |               |        |                          |

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Comments: **Target D - PM-TR-09-15** - 0.16 m chip of green -grey gouge

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|                |            |          |             |           |               |       |                     |
|----------------|------------|----------|-------------|-----------|---------------|-------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip  | Dimension:          |
| G284071        | UTM:       | 347420 E | UTM:        | 6926321 N | Sample Width: | 1.0 m | Abundance: Abundant |
|                | Elevation: | 1646 m   |             |           |               |       |                     |

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Comments: **Target D - PM-TR-09-15** - 1.0 m chip of green volcanics.

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|                |            |          |             |           |               |       |                     |
|----------------|------------|----------|-------------|-----------|---------------|-------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Chip  | Dimension:          |
| G284072        | UTM:       | 347905 E | UTM:        | 6927156 N | Sample Width: | 1.0 m | Abundance: Abundant |
|                | Elevation: | 1652 m   |             |           |               |       |                     |

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Comments: **Target D - PM-TR-09-16** - 1.0 m chip across green-black volcanic with manganese staining on fractures

**Rock Sample Descriptions**Project: Prospector Moui Property: Prospector Mountain

Sample Number: G284073  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Fault bounded  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.35 m  
Abundance: Fault bounded  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.35 m chip sample across grey - orange gouge and broken strongly manganese stained yellow quartz vein (or strongly silicified volcanics). Contact of vein @ 007.

Sample Number: G284074  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Fault bounded  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.49 m  
Abundance: Fault bounded  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.49 m chip sample of mixed coloured (orange, yellow, grey, green) gouge with local crushed quartz.

Sample Number: G284075  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Local  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.36 m  
Abundance: Local  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.36 m chip of blocky green volcanics.

Sample Number: G284076  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Fault bounded  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.28 m  
Abundance: Fault bounded  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.28 m chip of green-grey clay-rich gouge.

Sample Number: G284077  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Fault bounded  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.68 m  
Abundance: Fault bounded  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.68 m chip of yellow-orange clay gouge.

Sample Number: G284078  
Grid East: 347905 E  
Grid North: 6927156 N  
Type: Chip  
Dimension: Locally abundant  
UTM: 347905 E UTM: 6927156 N  
Sample Width: 0.30 m  
Abundance: Locally abundant  
Elevation: 1652 m

Comments: **Target D - PM-TR-09-16** - 0.30 m chip of broken manganese stained, highly altered volcanics. This sample taken below band of overlying yellow gouge.

**Rock Sample Descriptions**Project: Prospector MoulProperty: Prospector Mountain

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|                |            |          |             |           |                      |                     |
|----------------|------------|----------|-------------|-----------|----------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:          |
| G284079        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: 0.65 m | Abundance: Abundant |
|                | Elevation: | 1733 m   |             |           |                      |                     |

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Comments: **Target D - PM-TR-09-17** - 0.65 m chip sample of unaltered (first 40 cm) and altered (manganese and limonite stained and very bleached) volcanics (final 25 cm).

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284080        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: 0.08 m | Abundance: Fault bounded |
|                | Elevation: | 1733 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-17** - 0.08 m chip of massive galena (4 cm wide) hosted in an orange gouge and white crushed quartz (minor).

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|                |            |          |             |           |                      |                     |
|----------------|------------|----------|-------------|-----------|----------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:          |
| G284081        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: 0.10 m | Abundance: Abundant |
|                | Elevation: | 1733 m   |             |           |                      |                     |

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Comments: **Target D - PM-TR-09-17** - 0.10 m chip of highly broken/shattered green volcanics with strong manganese staining on all fractured surfaces

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284082        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: 0.90 m | Abundance: Fault bounded |
|                | Elevation: | 1733 m   |             |           |                      |                          |

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Comments: **Target D - PM-TR-09-17** - 0.90 m of highly rotten/shattered green volcanics with numerous limonite stained and green coloured gouge zones. Locally pieces of quartz veins.

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|                |            |          |             |           |               |                  |
|----------------|------------|----------|-------------|-----------|---------------|------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Grab    | Dimension:       |
| G284083        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: | Abundance: Local |
|                | Elevation: | 1733 m   |             |           |               |                  |

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Comments: **Target D - PM-TR-09-17** - grab of massive galena

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|                |            |          |             |           |                      |                     |
|----------------|------------|----------|-------------|-----------|----------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:          |
| G284084        | UTM:       | 347373 E | UTM:        | 6927000 N | Sample Width: 0.50 m | Abundance: Abundant |
|                | Elevation: | 1733 m   |             |           |                      |                     |

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Comments: **Target D - PM-TR-09-17** - 0.50 m of green volcanics

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**Rock Sample Descriptions**Project: **Prospector Moun**Property: **Prospector Mountain**

Sample Number: G284085    Grid East: 347367 E    Grid North: 6926242 N    Type: Chip    Dimension:    Abundance: Abundant  
UTM: 347367 E    UTM: 6926242 N    Sample Width: 1.0 m  
Elevation: 1623 m

Comments: **Target D - PM-TR-09-18** - 1.0 m chip of green unaltered volcanics

Sample Number: G284086    Grid East: 347367 E    Grid North: 6926242 N    Type: Chip    Dimension:    Abundance: Fault bounded  
UTM: 347367 E    UTM: 6926242 N    Sample Width: 0.21 m  
Elevation: 1623 m

Comments: **Target D - PM-TR-09-18** - 0.21 m chip of orange and grey-green gouge

Sample Number: G284087    Grid East: 347367 E    Grid North: 6926242 N    Type: Grab    Dimension:    Abundance: Abundant  
UTM: 347367 E    UTM: 6926242 N    Sample Width: 0.50 m  
Elevation: 1623 m

Comments: **Target D - PM-TR-09-18** - 0.50 m chip of green volcanics

Sample Number: G284091    Grid East: 347281 E    Grid North: 6925029 N    Type: Chip    Dimension:    Abundance: Abundant  
UTM: 347281 E    UTM: 6925029 N    Sample Width: 1.0 m  
Elevation: 1566 m

Comments: **Target A - PM-TR-09-19** - 1.0 m chip sample of increasingly altered volcanics hosting strong manganese staining and locally strong pyritization (up to 25%)

Sample Number: G284092    Grid East: 347281 E    Grid North: 6925029 N    Type: Chip    Dimension:    Abundance: Fault bounded  
UTM: 347281 E    UTM: 6925029 N    Sample Width: 0.12 m  
Elevation: 1566 m

Comments: **Target A - PM-TR-09-19** - 0.12 m chip of orange stained clay gouge hosting shattered QV material

Sample Number: G284093    Grid East: 347281 E    Grid North: 6925029 N    Type: Chip    Dimension:    Abundance: Fault bounded  
UTM: 347281 E    UTM: 6925029 N    Sample Width: 0.13 m  
Elevation: 1566 m

Comments: **Target A - PM-TR-09-19** - 0.13 m chip of strongly manganese stained massive QV hosting disseminated galena and py. Locally pitted.



**Rock Sample Descriptions**Project: Prospector MounProperty: Prospector Mountain

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|                |            |          |             |           |                      |                             |
|----------------|------------|----------|-------------|-----------|----------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:                  |
| G284094        | UTM:       | 347281 E | UTM:        | 6925029 N | Sample Width: 0.14 m | Abundance: Locally abundant |
|                | Elevation: | 1566 m   |             |           |                      |                             |

Comments: **Target A - PM-TR-09-19** - 0.14 m chip of yellow-orange clay gouge.  

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284095        | UTM:       | 347281 E | UTM:        | 6925029 N | Sample Width: 0.32 m | Abundance: Fault bounded |
|                | Elevation: | 1566 m   |             |           |                      |                          |

Comments: **Target A - PM-TR-09-19** - 0.32 m chip of shattered manganese stained qtz vein material hosted within an orange clay-sand gouge.  

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|                |            |          |             |           |                      |                             |
|----------------|------------|----------|-------------|-----------|----------------------|-----------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:                  |
| G284096        | UTM:       | 347281 E | UTM:        | 6925029 N | Sample Width: 1.27 m | Abundance: Locally abundant |
|                | Elevation: | 1566 m   |             |           |                      |                             |

Comments: **Target A - PM-TR-09-19** -1.27 m chip of strongly altered volcanics hosting strong limonite staining and orange clay gouge in fractures (appears to extend at depth).  

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284097        | UTM:       | 347281 E | UTM:        | 6925029 N | Sample Width: 0.12 m | Abundance: Fault bounded |
|                | Elevation: | 1566 m   |             |           |                      |                          |

Comments: **Target A - PM-TR-09-19** - 0.12 m chip of orange clay gouge.  

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284098        | UTM:       | 347281 E | UTM:        | 6925029 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | 1566 m   |             |           |                     |                     |

Comments: **Target A - PM-TR-09-19** - 1.0 m chip of limonite stained blocky volcanics.  

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|                |            |          |             |           |                     |                     |
|----------------|------------|----------|-------------|-----------|---------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip          | Dimension:          |
| G284099        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 1.0 m | Abundance: Abundant |
|                | Elevation: | 1566 m   |             |           |                     |                     |

Comments: **Target A - PM-TR-09-20** -1.0 m chip sample of green volcanics with moderate silification close to contact with vein  

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**Rock Sample Descriptions**Project: Prospector MouiProperty: Prospector Mountain

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284100        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 0.18 m | Abundance: Fault bounded |
|                | Elevation: | 1566 m   |             |           |                      |                          |

Comments: **Target A - PM-TR-09-20** - 0.18 m chip of orange clay gouge hosting broken fragments of QV and coarse grained galena xtals.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284101        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 0.51 m | Abundance: Fault bounded |
|                | Elevation: | 1566 m   |             |           |                      |                          |

Comments: **Target A - PM-TR-09-20**- 0.51 m chip of quartz-carbonate vein hosting pods and zones (parallel to strike) of massive, medium-coarse grained galena. Minor alteration to anglesite.

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|                |            |          |             |           |                      |                          |
|----------------|------------|----------|-------------|-----------|----------------------|--------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:               |
| G284102        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 0.16 m | Abundance: Fault bounded |
|                | Elevation: | 1566 m   |             |           |                      |                          |

Comments: **Target A - PM-TR-09-20** -0.16 m chip of brown-orange gouge hosting broken fragments of QV and galena xtals (very similar to G284100).

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|                |            |          |             |           |                      |                     |
|----------------|------------|----------|-------------|-----------|----------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:          |
| G284103        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 0.32 m | Abundance: Abundant |
|                | Elevation: | 1566 m   |             |           |                      |                     |

Comments: **Target A - PM-TR-09-20** -0.32 m chip of green, very strong silicified material hosting disseminated galena and py.

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|                |            |          |             |           |                      |                     |
|----------------|------------|----------|-------------|-----------|----------------------|---------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip           | Dimension:          |
| G284104        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: 0.25 m | Abundance: Abundant |
|                | Elevation: | 1566 m   |             |           |                      |                     |

Comments: **Target A - PM-TR-09-20** -0.25 m chip of altered volcanics (orange coloured).

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|                |            |          |             |           |               |                                |
|----------------|------------|----------|-------------|-----------|---------------|--------------------------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type: Chip    | Dimension:                     |
| G284105        | UTM:       | 347264 E | UTM:        | 6925045 N | Sample Width: | Abundance: Relatively abundant |
|                | Elevation: | 1566 m   |             |           |               |                                |

Comments: **Target A - PM-TR-09-20**- Grab sample of massive galena.



**APPENDIX V**

**WESTERN VEIN TARGET – DETAIL TRENCH DATA**

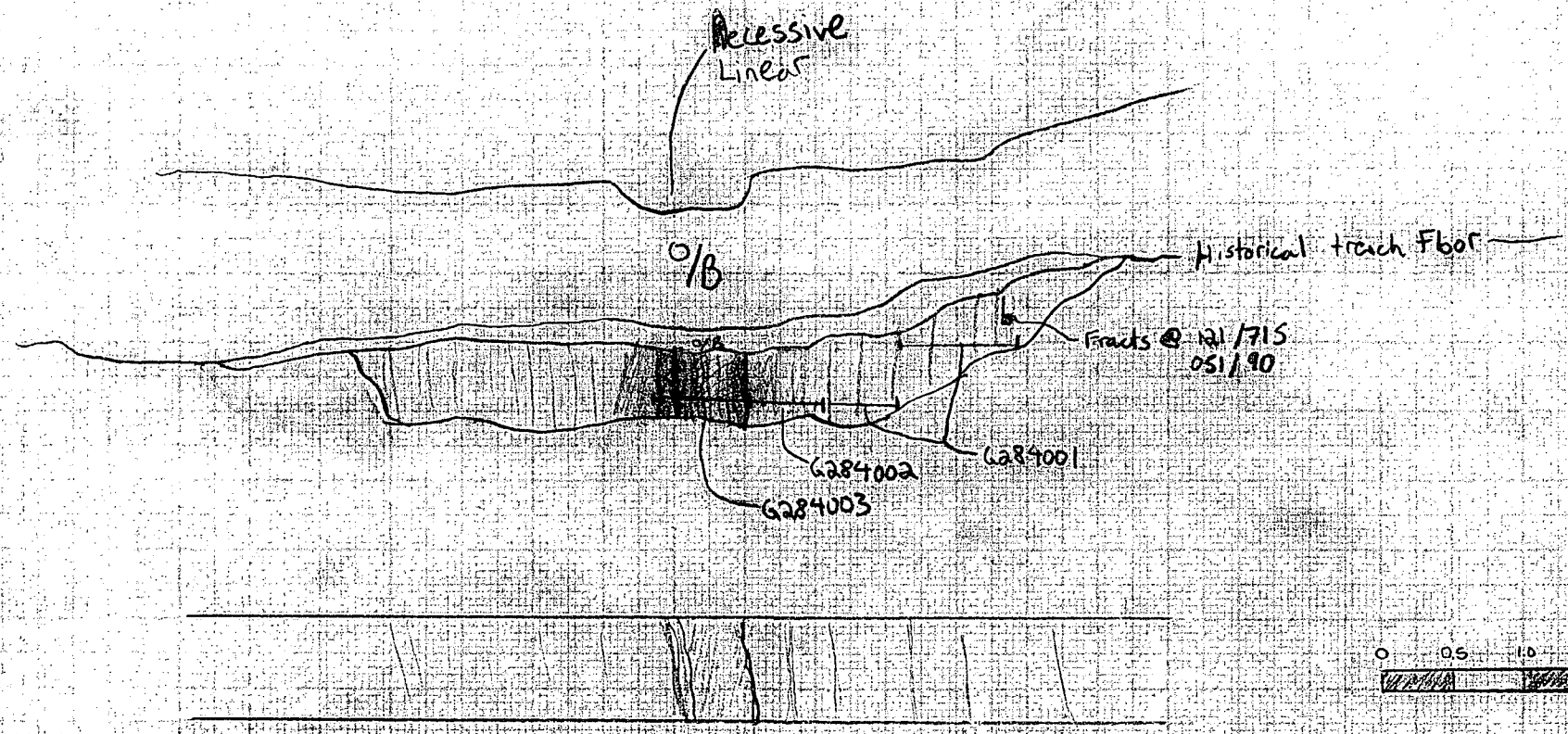


PM-TR-09-01  
 Target C  
 136°  
 Looking NE

Vein @ 349850 mE  
 6925622 mN  
 1645 m elevation

Vein trending 035/80 E

|         |              |                          |                      |             |               |
|---------|--------------|--------------------------|----------------------|-------------|---------------|
| Project | Rospector Mn | NTS                      | Scale                | Page 1 of 2 | Traverse      |
| Sampler | Matt T.      | Location, Target (words) |                      | Sample Nos  | G284001 - 006 |
| Date    | Aug 09       | photo no.                | PM-TR-09-01 Target C | Cert. Nos   |               |



- G284001 - 1.65m chip sample of bleached/altred volcanics hosting manganese staining (dendritic & massive) on Fractures @ 121/715 & 051/90
- G284002 - 0.55m chip sample of extremely bleached volcanics on immediate contact w/ vein. Very strong Mang.

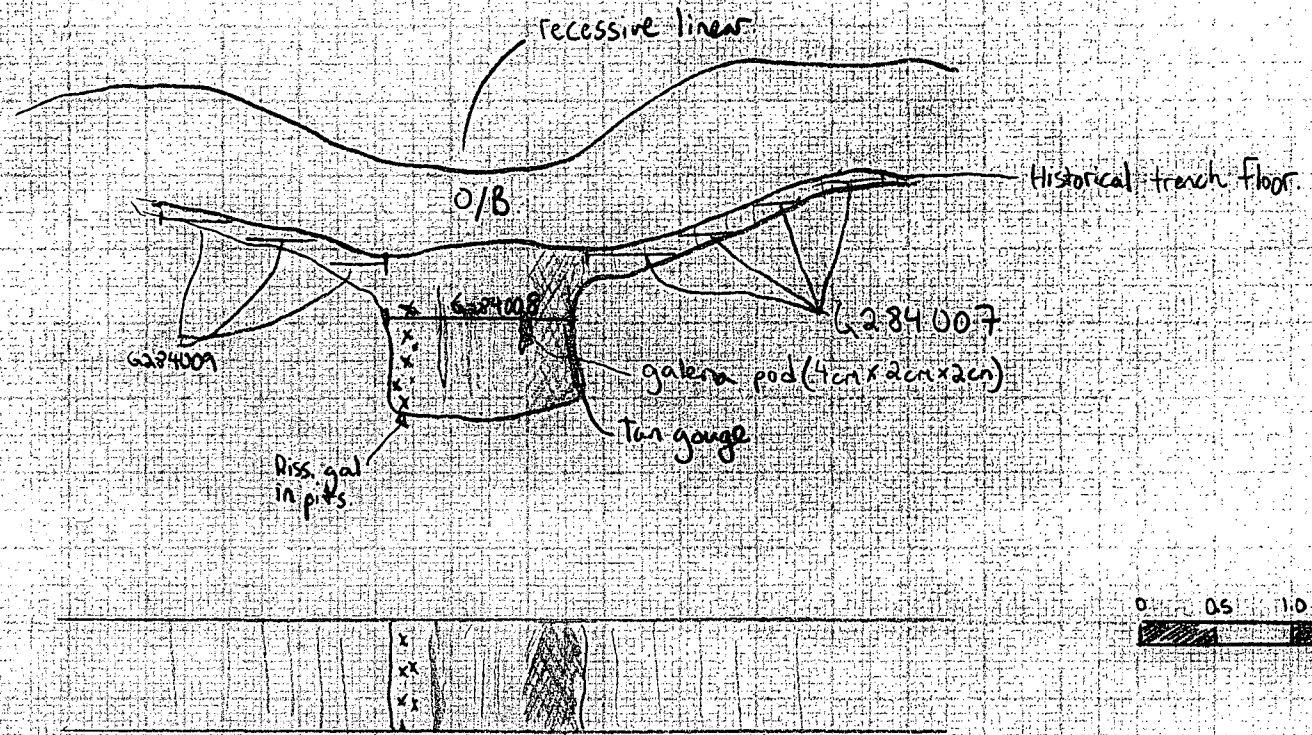
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- G284003 Grab sample of massive yellow gouge (7cm wide)
- G284004 - 0.71m chip sample of yellow gouge (7cm) followed by very limonitic stained gouge followed by intensely stained & pitted manganese (12cm)
- G284005 - 0.52m chip of v. strongly altered volcanics hosting strong mal/a-z staining throughout.
- G284006 - 1.0m chip of football manganese stained volcanics

|                          |                 |
|--------------------------|-----------------|
| Project                  | Prospector MNTS |
| Sampler                  | M.H.T.          |
| Date                     | Aug 09          |
| Location, Target (words) | PM-TR-09-01     |
| photo no.                | Tusjtc          |
| Scale                    |                 |
| Page                     | 2 of 2          |
| Sample Nos               |                 |
| Cert. Nos                |                 |
| Traverse                 |                 |

PM-TR-09-02  
Target C  
139°



- G284007 - 1.0m chip across altered volcanics. Manganese staining strong throughout but mainly along fractures // to orientation of the vein.
- G284008 - 1.16m chip sample across entire vein width. Very narrow inter banded
- G284009 -

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|         |            |                          |            |    |          |
|---------|------------|--------------------------|------------|----|----------|
| Project | Prospector | NTS                      | Page       | of | Traverse |
| Sampler | M. Turner  | Location, Target (words) | Sample Nos |    |          |
| Date    | Aug 09     | photo no.                | Cert. Nos  |    |          |

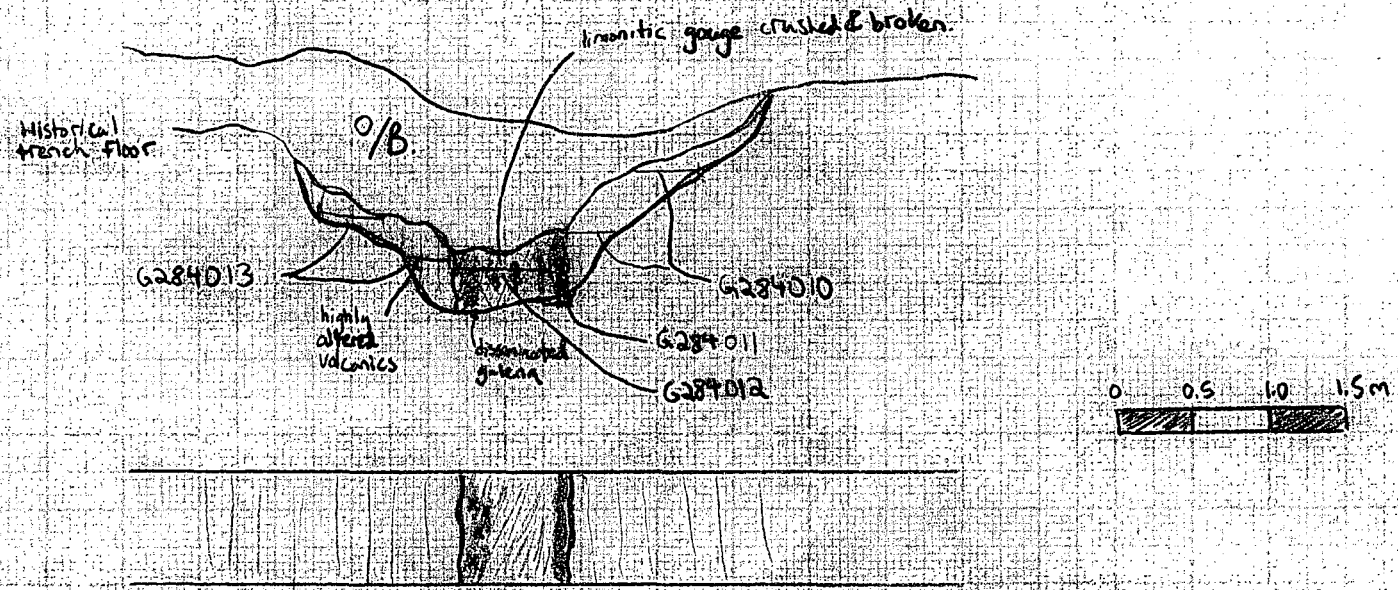


|                          |              |
|--------------------------|--------------|
| Project: Prospect Mt NTS | Page: 1 of 1 |
| Sampler: M. Turner       | Sample Nos   |
| Date                     | Cert Nos     |
| Location, Target (words) | Traverse     |
| photo no. TR-PM-09-08    |              |

Vein located @ 349931 mE  
6925689 mN  
1625 m.ebr

TR-PM-09-03  
TARGET C  
140°  
Looking NE

Vein oriented @ 053/72°SE

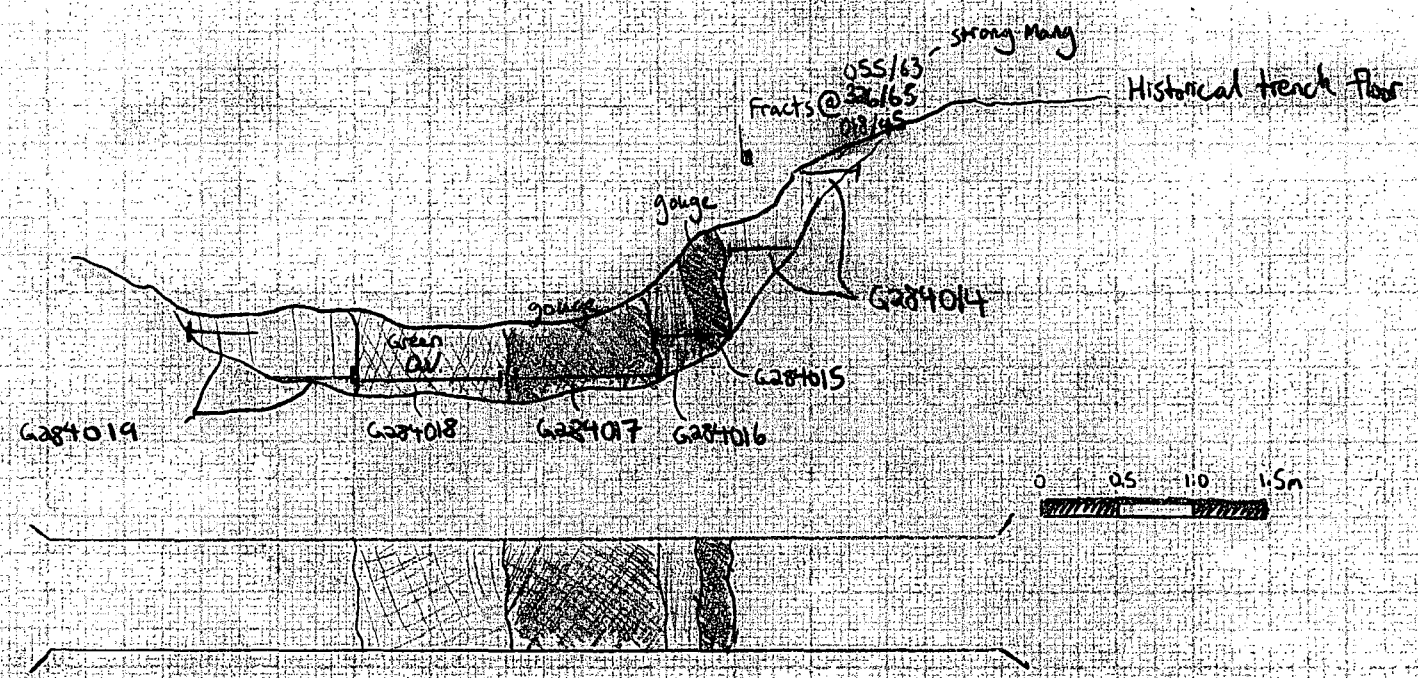


- G284010 - 1.30m chip across strongly altered (completely bleached) volcanics hosting strong manganese staining.
- G284011 - 0.16 m chip sample across hanging wall contact zone w/ crushed and broken volcanics and qtz (angular) set within local gouge zones.
- G284012 - 0.70m chip sample across strong gouge (white & orange colored). Local pods of qtz material disseminated within limonite altered vein material near footwall contact (similar to trench 2)
- G284013 - 1.0m chip sample of footwall altered volcanics w/ strong manganese staining



|                         |                          |            |    |          |
|-------------------------|--------------------------|------------|----|----------|
| Project: Prospector Mth | NTS                      | Page       | of | Traverse |
| Sampler: N Turner       | Location, Target (words) | Sample Nos |    |          |
| Date: Aug 09            | photo no: PM-TR-09-04    | Cert. Nos  |    |          |

PM-TR-09-04  
 TARGET C  
 148°  
 Looking NE

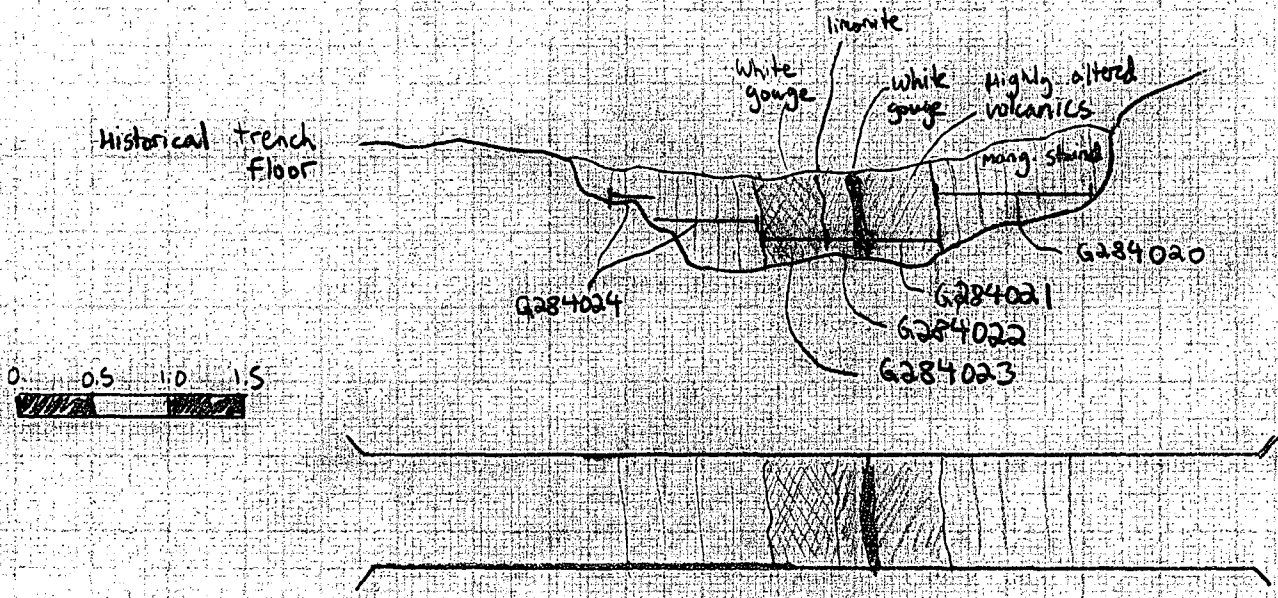


See Sample description form for samples

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|         |            |    |                          |             |            |    |          |
|---------|------------|----|--------------------------|-------------|------------|----|----------|
| Project | Inspector  | Mh | NTS                      | Scale       | Page       | of | Traverse |
| Date    | Aug        | 09 | Location, Target (words) | PM-TR-09-05 | Sample Nos |    |          |
| Sampler | M. T. Ross |    | photo no.                |             | Cert. Nos  |    |          |

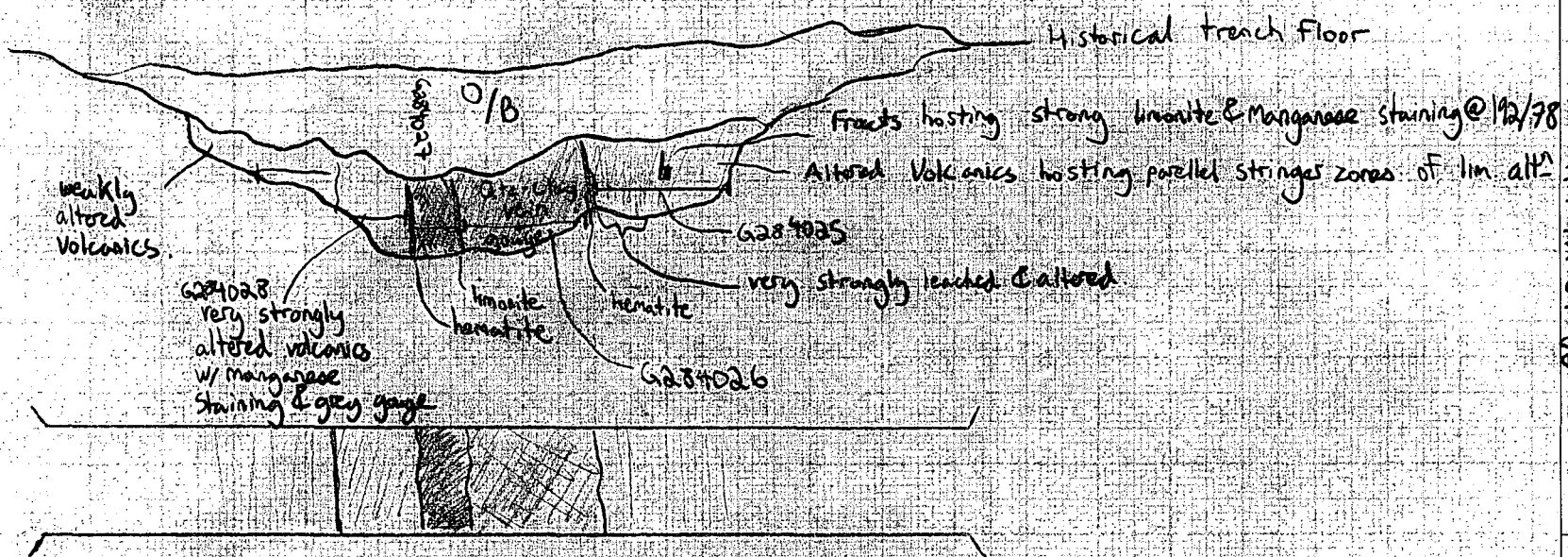
PM-TR-09-05  
 Target C  
 156°  
 Looking NE



See sample description form for sample

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PM-TR-09-06  
 TARGET B  
 133°  
 Looking NE



|                               |                          |            |    |          |
|-------------------------------|--------------------------|------------|----|----------|
| Project: <b>Prospector Mh</b> | NTS                      | Page       | of | Traverse |
| Sampler: <b>Matt Turner</b>   | Location, Target (words) | Sample Nos |    |          |
| Date: <b>Aug 09</b>           | photo no.                | Cert. Nos  |    |          |
|                               | <b>PM-TR-09-06</b>       |            |    |          |

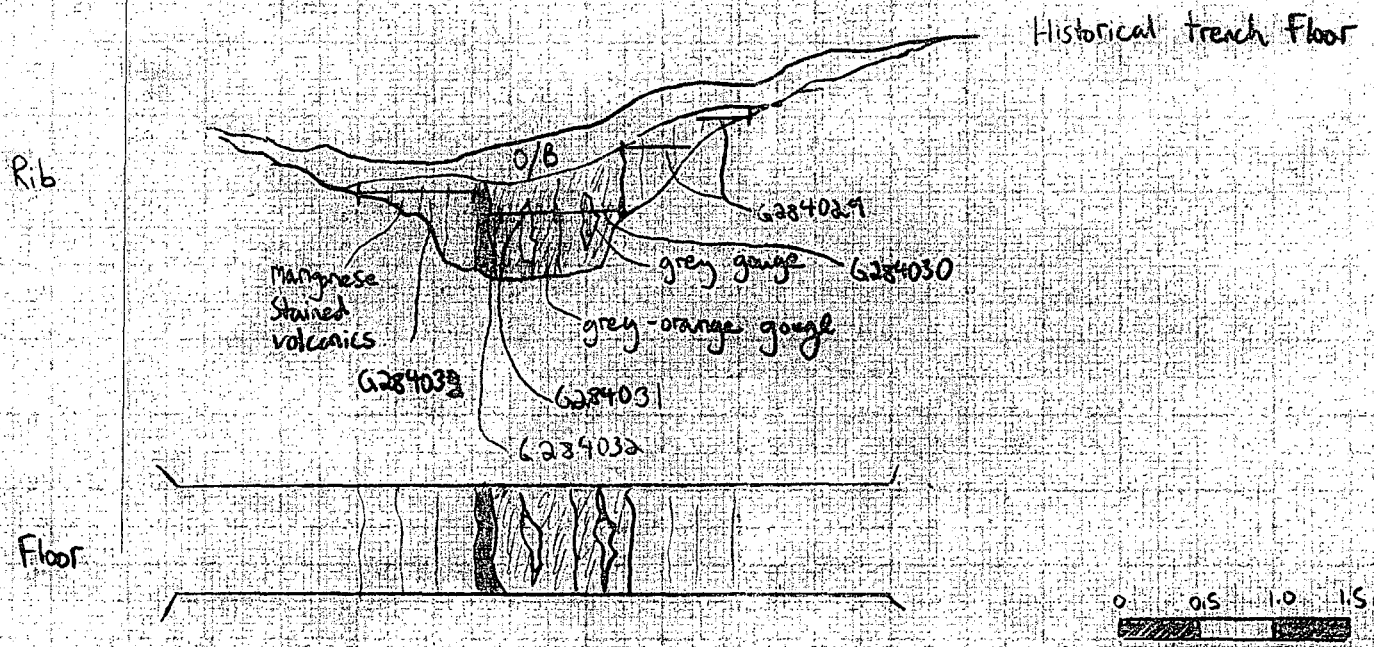
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PM-TR-09-07  
Target B  
107°

Vein @ 349731 nE  
6926784 nN

Vein trending @ 355 / vert.?



|         |               |                          |            |    |          |
|---------|---------------|--------------------------|------------|----|----------|
| Project | Prospector Mh | NTS                      | Page       | of | Traverse |
| Sampler | M Turner      | Location, Target (words) | Sample Nos |    |          |
| Date    | Aug 09        | photo no.                | Cert. Nos  |    |          |
|         |               | PM-TR-09-07              |            |    |          |

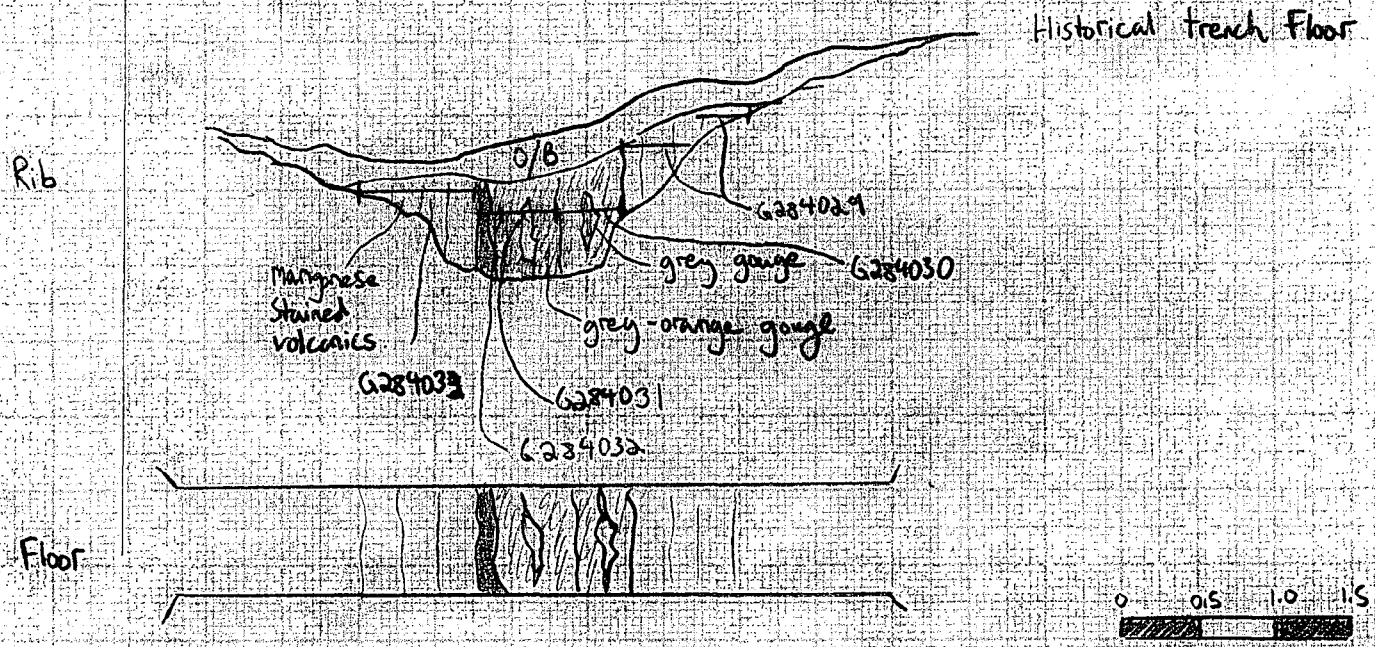


DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAIL, GOSSANS, OBSERVED GEOLOGY: DEFINED - - - - - INFERRED - - - - - ASSUMED

|         |            |    |                          |             |            |    |          |
|---------|------------|----|--------------------------|-------------|------------|----|----------|
| Project | Prospector | Mh | NTS                      | Scale       | Page       | of | Traverse |
| Sampler | M          | TJ | Location, Target (words) |             | Sample Nos |    |          |
| Date    | Aug        | 09 | photo no.                | PM-TR-09-07 | Cert. Nos  |    |          |

PM-TR-09-07  
Target B  
137°

Vein @ 349731 nE  
6926784 nN  
Vein trending @ 355 / vert?



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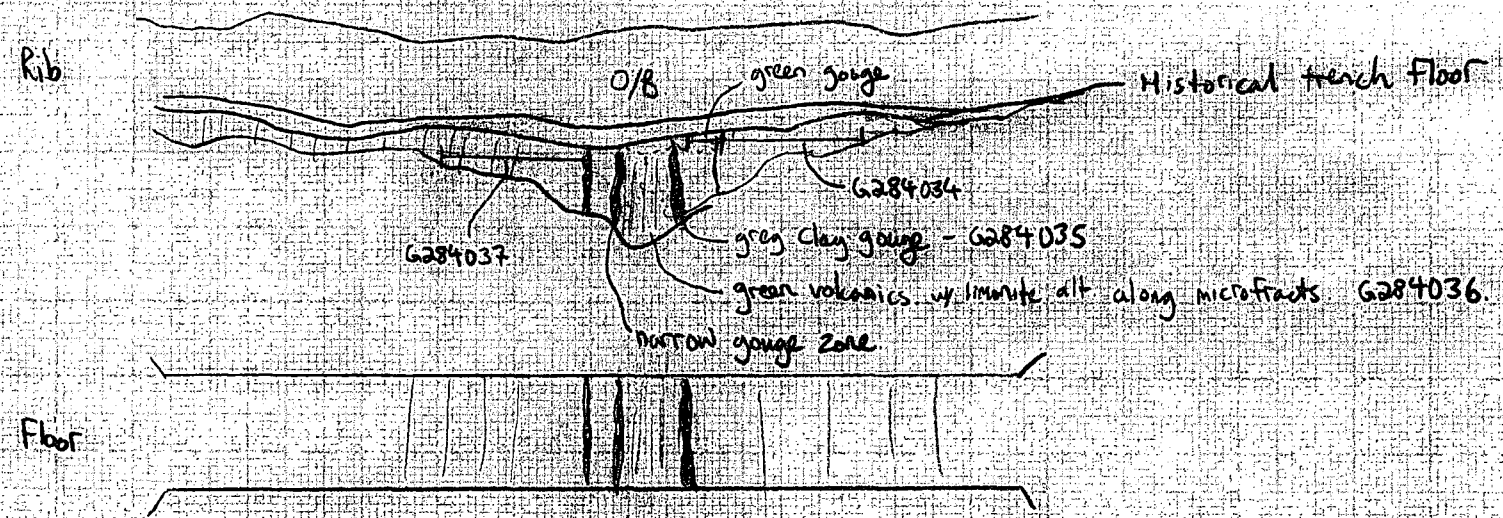
Project: *Pogoda MM*  
 Sampler: *N Turner*  
 Date: *Aug 01*

NTS  
 Location, Target (words):  
 photo no. *PM-TR-01-08*

Page \_\_\_\_\_ of \_\_\_\_\_  
 Sample Nos  
 Cert. Nos  
 Traverse

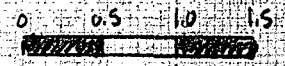
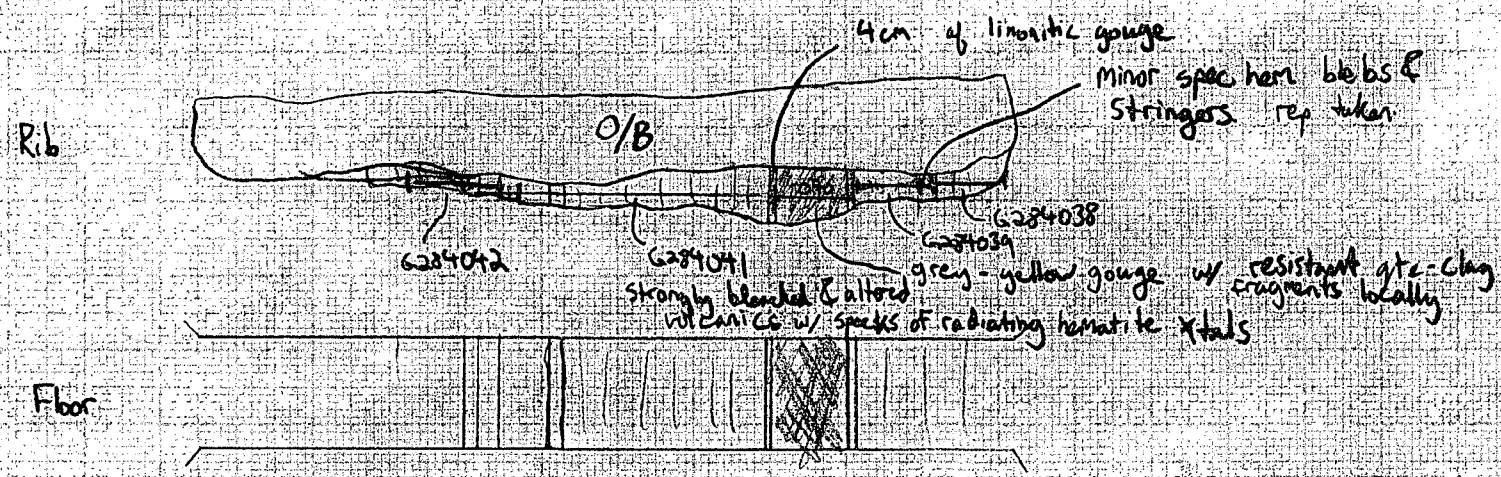
Vein @ 349720 mE  
 6926743 mN  
 1672 m Elev

PM-TR-09-08  
 TARGET B  
 133°  
 Looking north east



Vein @ 349571  
 6926766  
 1707m.

TR-PM-09-09  
 Area B  
 134°  
 looking Northeast



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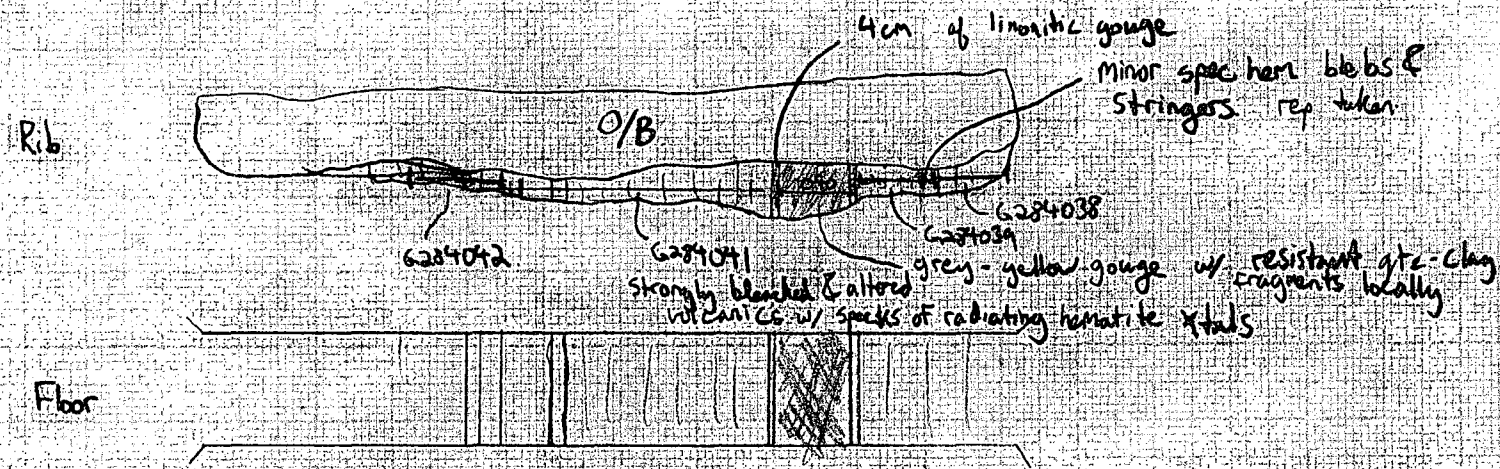
|                       |                          |            |
|-----------------------|--------------------------|------------|
| Project Inspector Mtn | NTS                      | Page       |
| Sample Mth Turner     | Location, Target (words) | of         |
| Date Aug 2009         | photo no PM-TR-09-04     | Sample Nos |
|                       |                          | Cert. Nos  |
|                       |                          | Traverse   |



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Vein @ 349571  
6926766  
1707m

TR-PM-09-09  
Area B  
134°  
looking Northeast



|                             |                              |            |    |          |
|-----------------------------|------------------------------|------------|----|----------|
| Project: <b>Traverse</b>    | NTS                          | Page       | of | Traverse |
| Sampler: <b>M.H. Turner</b> | Location, Target: (Words)    | Sample Nos |    |          |
| Date: <b>Aug 2009</b>       | photo no: <b>PM-TR-09-09</b> | Cert. Nos  |    |          |
|                             | Scale                        |            |    |          |

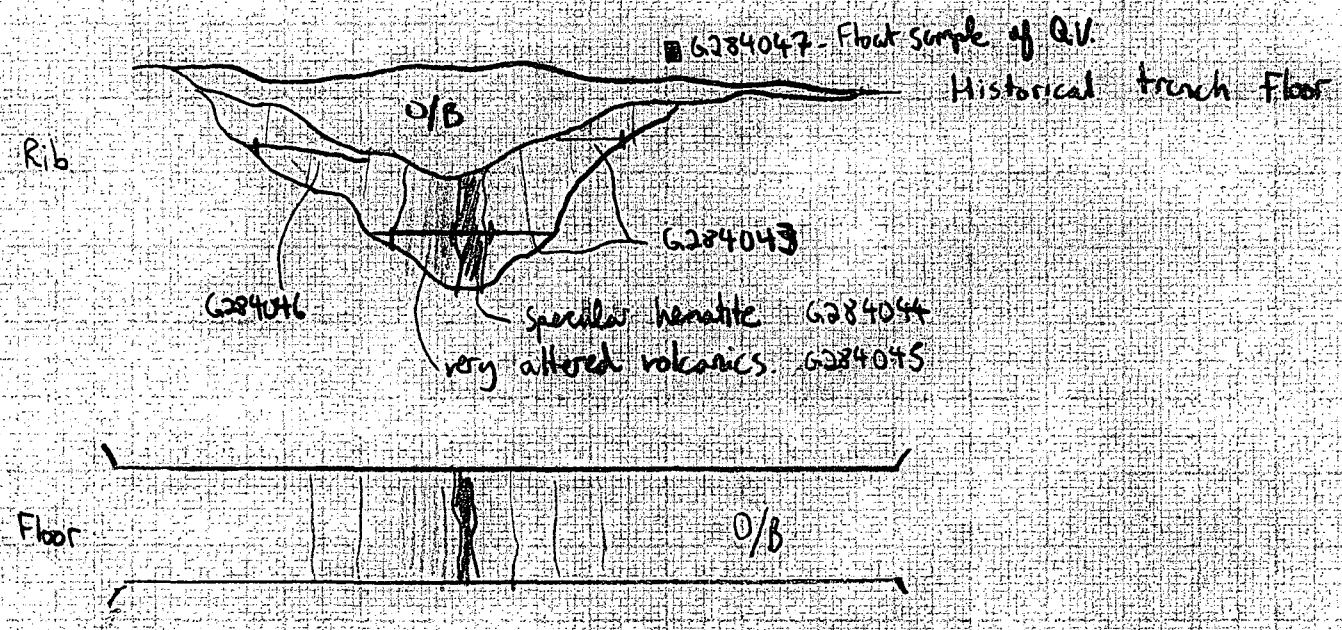


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|         |                   |                          |             |            |
|---------|-------------------|--------------------------|-------------|------------|
| Project | Prospector MW NTS | Scale                    | Page 1 of 1 | Traverse   |
| Sampler | M. Turner         | Location, Target (words) |             | Sample Nos |
| Date    | Aug 09            | photo no.                | Area B      | Cert. Nos  |
|         |                   |                          | PM-TR-09-10 |            |

Vein @ 349580 mE  
6926763 mN  
1712 elevation

PM-TR-09-10  
Target B  
135°  
Looking northeast



SILT X SOIL ● ROCK ■ PAN ▲ WATER ○ SPECIMEN SITE A, B DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED ——— INFERRED - - - ASSUMED

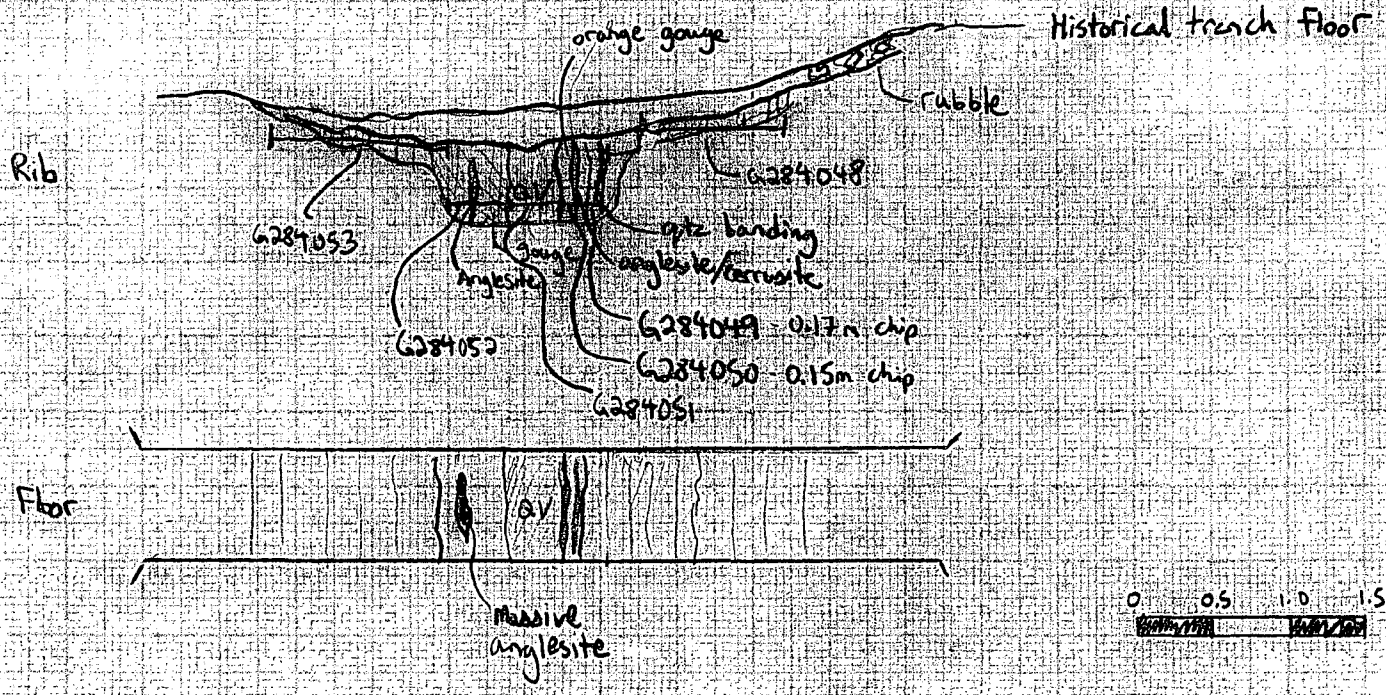
|                              |                                 |            |    |          |
|------------------------------|---------------------------------|------------|----|----------|
| Project: <b>Pospeter Mtn</b> | NTS                             | Page       | of | Traverse |
| Sampler: <b>M. Turoas</b>    | Location: <b>Target (words)</b> | Sample Nos |    |          |
| Date: <b>Aug 01</b>          | photo no: <b>PM-TR-09-11</b>    | Cert. Nos  |    |          |

PM-TR-09-11

Target D

Looking northeast

Vein @ N030/Vent  
 0347477  
 6926411  
 1649 m



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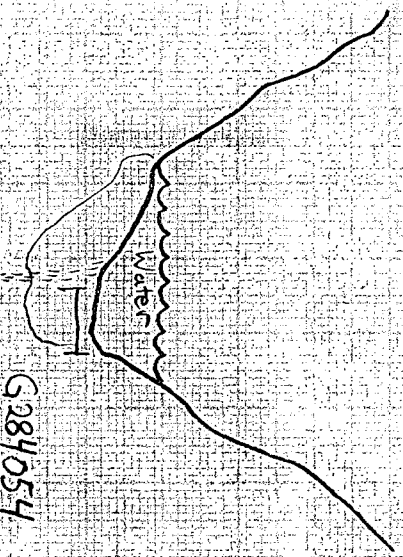
GOSSAN MINERALS [ ] INTRUSIVE [ ] LIMESTONE DOLOMITE [ ] SHALE [ ] CHERT [ ] VOLCANIC [ ] CONGLOMERATE [ ] SANDSTONE SILTSTONE [ ]

SILT x SOIL ● ROCK ■ PAN △ WATER ○ SPECIMEN SITE A, B. DO NOT WRITE ON OTHER SIDE OR USE COLOURS

ATTITUDES (✓) 100/40 N

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED - - - ASSUMED

|                             |                              |       |            |    |          |
|-----------------------------|------------------------------|-------|------------|----|----------|
| Project: <i>Paspada Mtn</i> | NTS                          | Scale | Page       | of | Traverse |
| Sampler: <i>M.H. Turner</i> | Location, Target (words)     |       | Sample Nos |    |          |
| Date: <i>Aug 2009</i>       | photo no. <i>PM-TR-09-12</i> |       | Cert. Nos  |    |          |



*G284054*  
*representative 0.5m chip*

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GOSSAN MINERALS

INTRUSIVE

LIMESTONE DOLOMITE

SHALE

CHELT

VOLCANIC

CONGLOMERATE

SANDSTONE SILTSTONE

ATTITUDES  
100/40 N

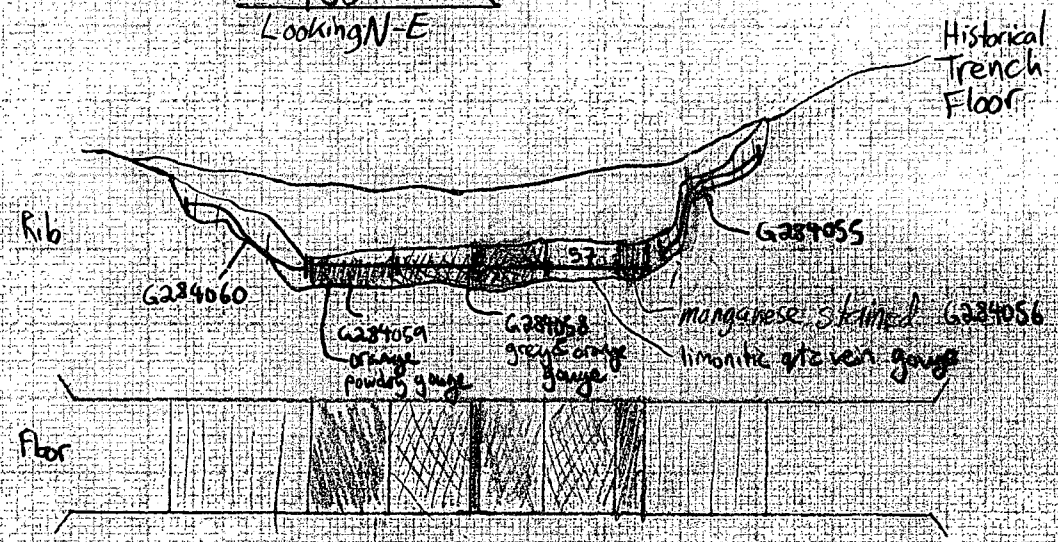
SILT X SOIL ● ROCK ■ PAN △ WATER ○

SPECIMEN SITE A, B DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED - - - ASSUMED

Vein @ 347235

TR-PM-09-13  
TARGET D  
130°  
Looking N-E



Project: Prospect Mh  
Sampler: M. Turner  
Date: Aug 09

Location: Target (words)  
photo no: PM-TR-09-13

Page 1 of 1  
Sample Nos  
Cert. Nos

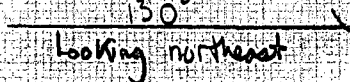
NTS  
Scale  
Traverse

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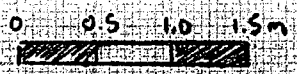
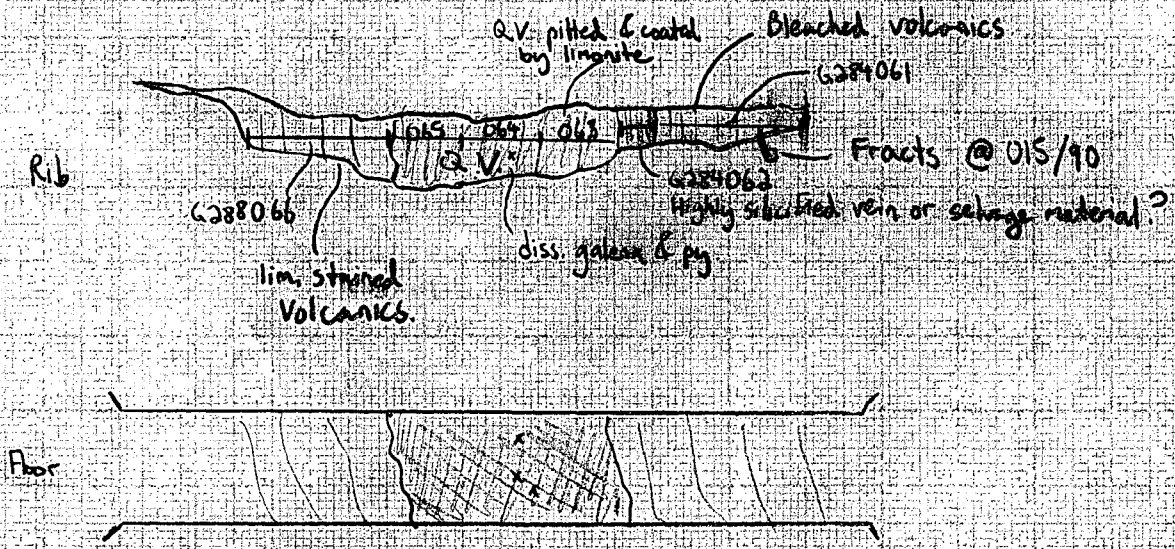


|                              |                             |            |    |          |
|------------------------------|-----------------------------|------------|----|----------|
| Project Inspector: <b>Mh</b> | NTS                         | Page       | of | Traverse |
| Sampler: <b>M. Turner</b>    | Location, Target (words)    | Sample Nos |    |          |
| Date: <b>Aug 09</b>          | photo no                    | Cert. Nos  |    |          |
|                              | <b>PM-TR-09-14 TARGET D</b> |            |    |          |

PM-TR-09-14  
TARGET D



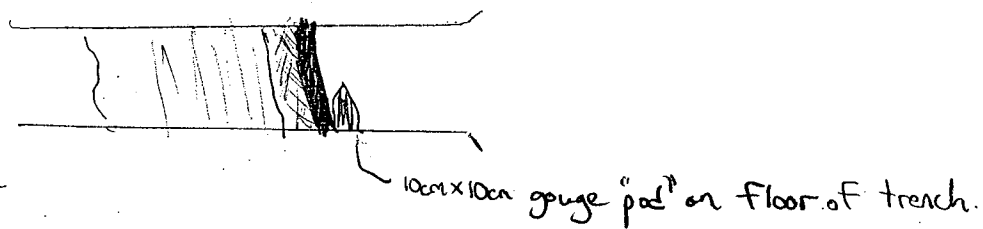
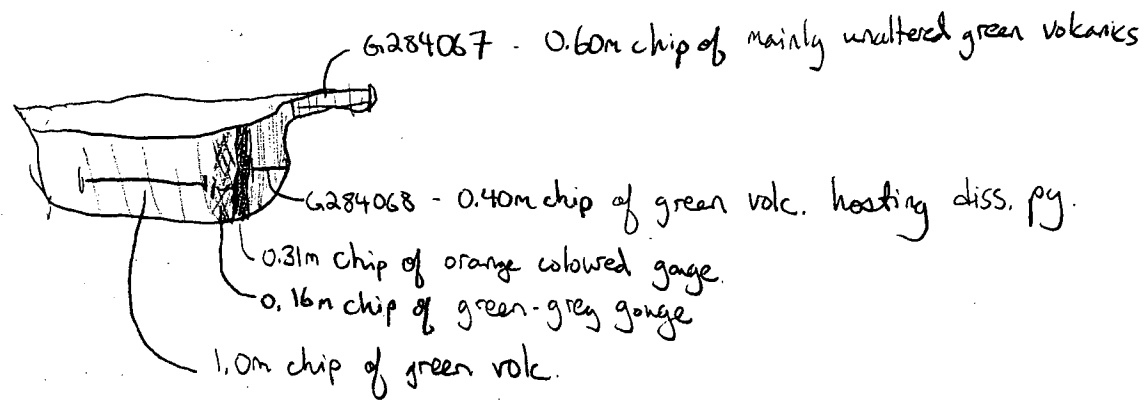
Yun @ 347338 mE  
 692632 mN



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347420mE  
6926321mN  
elev 1646m  
Vein @ 025/vert

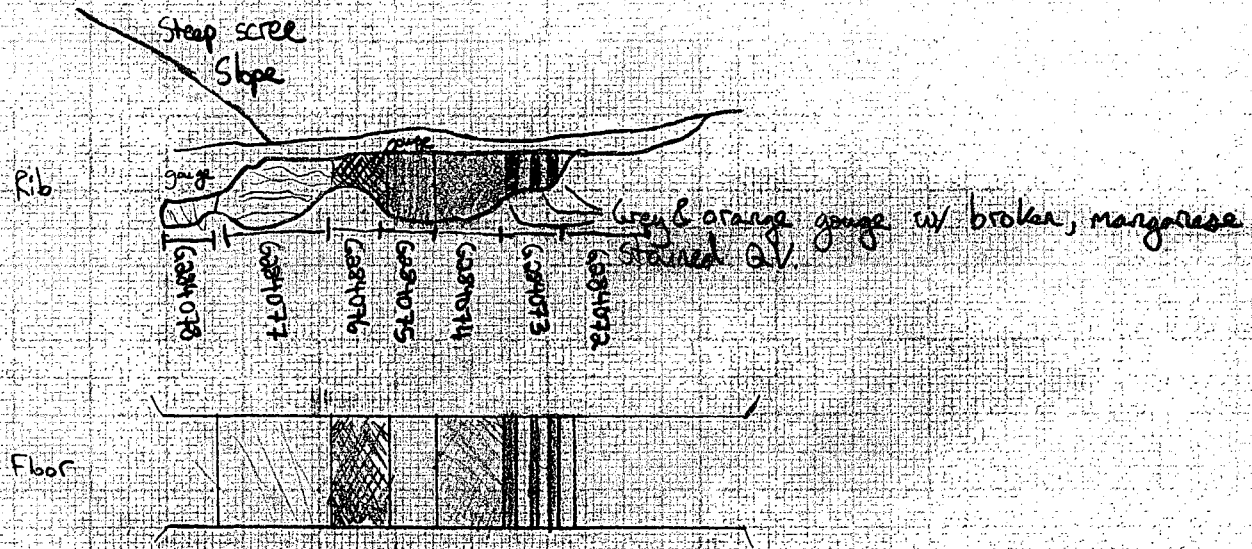
PM-TR-09-15  
Target D  
135°



Vein @ 347905 mE  
 6912 + 159 mN  
 1652 m elev

PM-TR-09-16  
 Target D  
 105°

|                        |                          |             |            |    |          |
|------------------------|--------------------------|-------------|------------|----|----------|
| Project Prospector Mtn | NTS                      | Scale       | Page       | of | Traverse |
| Sampler Matt Turner    | Location, Target (words) |             | Sample Nos |    |          |
| Date August 2009       | photo no.                | PM-TR-09-16 | Cert. Nos  |    |          |

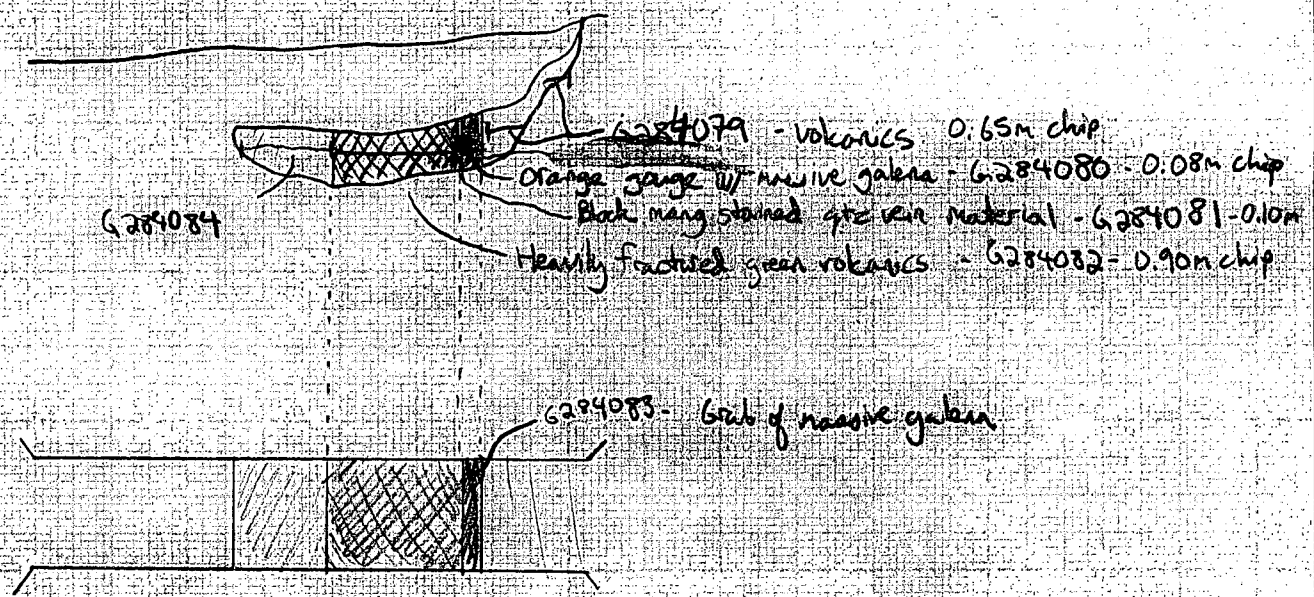


All trench sample descriptions detailed in the rock sample description section.

@ 347373mE  
 6927000mN  
 elev 1733m

PM-TR-09-17  
 Target B  
 139°  
 Looking NE →

Vein trending 025/vert



Detailed sample descriptions are located in the rock sample description section.

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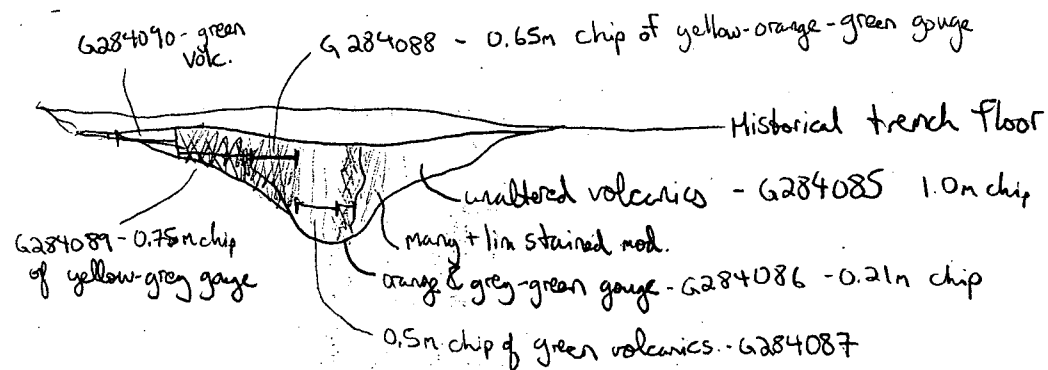
|                               |                                 |       |            |    |          |
|-------------------------------|---------------------------------|-------|------------|----|----------|
| Project: <b>Operator Mtn.</b> | NTS                             | Scale | Page       | of | Traverse |
| Sampler: <b>Matt Turner</b>   | Location: <b>Target (words)</b> |       | Sample Nos |    |          |
| Date: <b>Aug 2009</b>         | photo no.                       |       | Cert. Nos  |    |          |
|                               | <b>PM-TR-09-17</b>              |       |            |    |          |



347367mE  
6926242mN  
ekv@1623m

Vein trending @ 030/vert

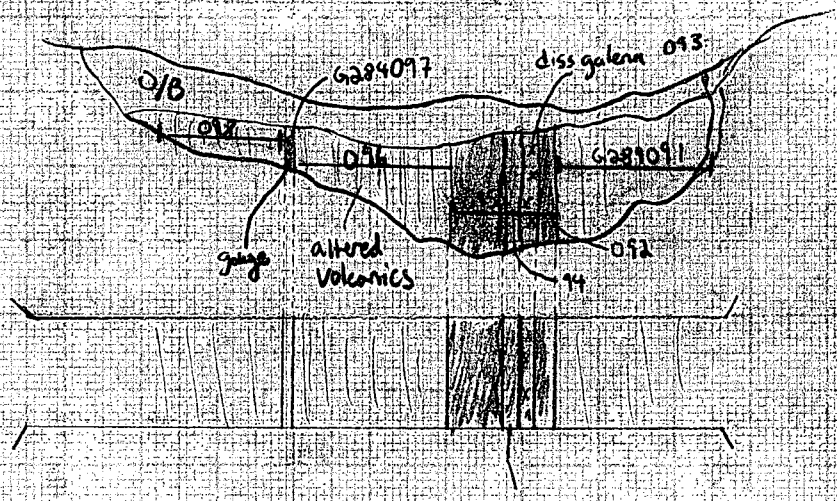
TR - PM - 09 - 18  
Target D  
120°  
Looking NE



|                              |                              |                      |
|------------------------------|------------------------------|----------------------|
| Project <i>Pespedar Mtn.</i> | NTS                          | Page   of   Traverse |
| Sampler <i>Matt Turner</i>   | Location, Target (words)     | Sample Nos           |
| Date <i>Aug 2009</i>         | photo no. <i>PM-TR-09-19</i> | Cert. Nos            |

*PM-TR-09-19*  
*Target A*  
*130°*  
*Looking northeast*

*Vern @ 347281*  
*6925029*

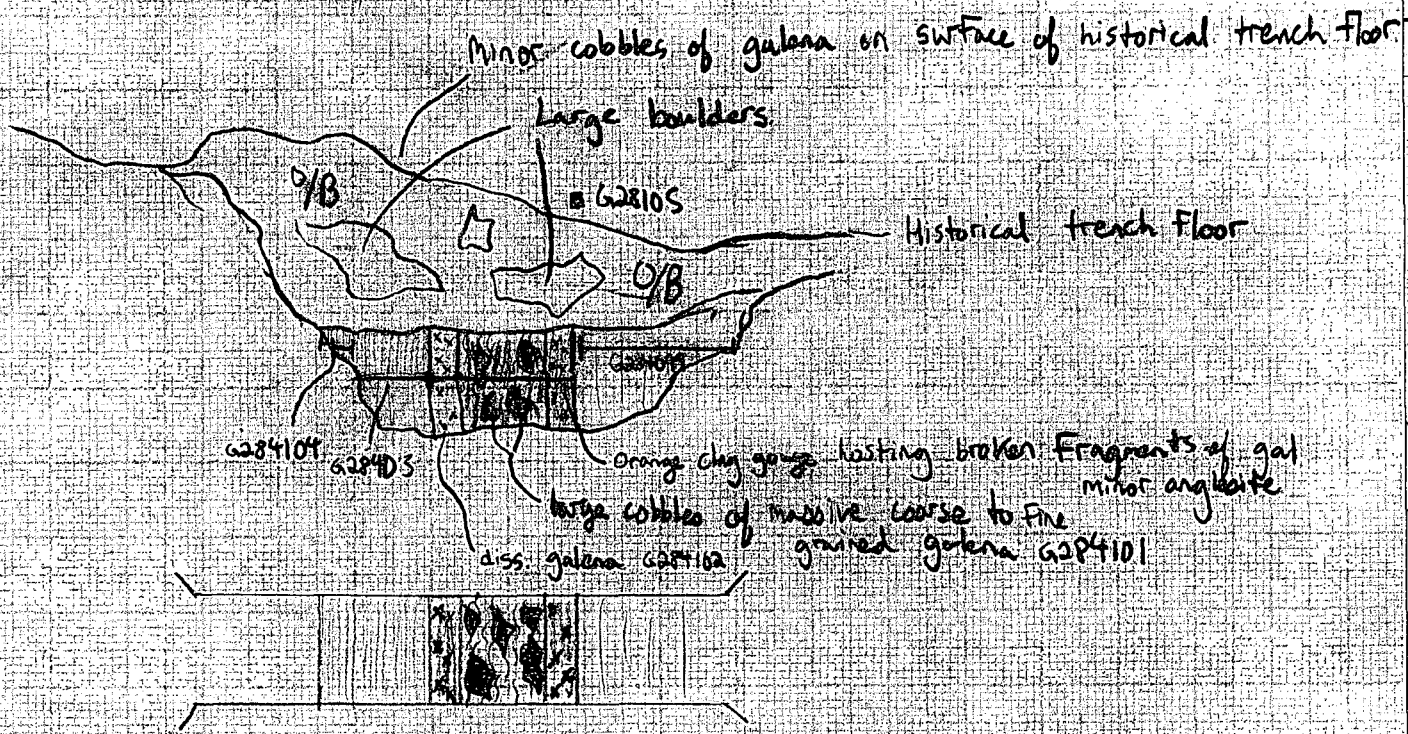


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PM-TR-09-20  
 Target A  
 130°

Vein @ 347264mE  
 6925045mN  
 1566 m elev

Vein trending @ 041 / vert



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|                                  |                                 |                    |            |    |          |
|----------------------------------|---------------------------------|--------------------|------------|----|----------|
| Project: <i>Pospedor Mtn</i>     | NTS                             | Scale              | Page       | of | Traverse |
| Sampler: <i>M &amp; H Turner</i> | Location: <i>Target (words)</i> |                    | Sample Nos |    |          |
| Date: <i>Aug 2009</i>            | photo no:                       | <i>PM-TR-09-20</i> | Cert. Nos  |    |          |

|         |                |                          |             |            |   |    |   |          |
|---------|----------------|--------------------------|-------------|------------|---|----|---|----------|
| Project | Prospector Mtn | NTS                      | Scale       | Page       | 1 | of | 1 | Traverse |
| Sampler | Matt Turner    | Location, Target (words) |             | Sample Nos |   |    |   |          |
| Date    | Aug 2009       | photo no.                | PM-TR-09-21 | Cert. Nos  |   |    |   |          |

PM-TR-09-21  
 Target A  
 090°

vein @  
 347420  
 6925292  
 1590 n elev  
 vein @ 005 - 010° steeply dipping

