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**ASSESSMENT REPORT**

describing

**HAND TRENCHING**

at the

**QB PROPERTY**

QB 1-28	YB75490-YB75517
29-60	YB83119-YB83150
61-104	YB83151-YB83194
105-124	YB90003-YB90022
125-128	YB91816-YB91819

Latitude 60°26' N; Longitude 130°26' W  
NTS 105B/7 and 8

in the

Watson Lake Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**VALENCIA VENTURES INC.**

and

**STRATEGIC METALS LTD.**

W.A.Wengzynowski, B.A.Sc., P.Eng.  
January 2007

## TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
PREVIOUS WORK	1
GEOMORPHOLOGY	3
REGIONAL GEOLOGY	3
REGIONAL MINERALIZATION	5
PROPERTY GEOLOGY	5
PROPERTY GEOCHEMISTRY AND MINERALIZATION	6
2006 EXPLORATION PROGRAM	8
DISCUSSION AND CONCLUSIONS	10
SELECTED REFERENCES	11

## APPENDICES

- I STATEMENT OF QUALIFICATIONS
- II CERTIFICATES OF ANALYSIS
- III ROCK SAMPLE DESCRIPTIONS

## TABLES

I Main Lithological Units	4
II Rock Specimens	9

## FIGURES

<u>NO.</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
1	Property Location	1
2	Claim Location	1
3	Regional Geology	4
4	Property Geology	6
5	Lead Geochemistry	6
6	Area A Compilation	8
7	Trench TR-QB-06-01	8
8	Trench TR-QB-06-02	8
9	Trench TR-QB-06-03	8
10	Trench TR-QB-06-04	8
11	Trench TR-QB-06-05	8
12	Trench TR-QB-06-06	8
13	Hand Pit-QB-06-01 & 02	8
14	Hand Pit-QB-06-03 & 04	8

## INTRODUCTION

The QB property consists of 128 mineral claims owned 100% by Strategic Metals Ltd. and currently under option to Valencia Ventures Inc. The claims protect a number of silver-zinc-lead soil geochemical anomalies and showings. Exploration by Nordac Resources Ltd, the predecessor to Strategic, focussed on the eastern part of the property in 1996 and 1997, and on an area approximately 4 km to the west in 1998 and 1999.

This report describes the 2006 field program, which was conducted between September 19 and 30 in the eastern part of the property. The work was done from a fly camp and was comprised of hand trenching and hand pitting. Attempts at prospecting and geological mapping were hampered by early persistent snow cover. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the author's Statement of Qualifications.

## PROPERTY LOCATION, CLAIM DATA AND ACCESS

The QB property is located in the Rancheria area of southern Yukon (Figure 1) at latitude 60°26'N and longitude 130°26'W on NTS map sheets 105B/7 and 8. It is comprised of 128 contiguous mineral claims (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Strategic. Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date</u>
QB 1-28	YB75490-YB75517	February 15, 2009
29-60	YB83119-YB83150	February 15, 2009
61-104	YB83151-YB83194	February 15, 2007
105-124	YB90003-YB90022	February 15, 2009
125-128	YB91816-YB91819	February 15, 2009

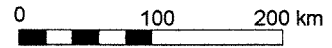
In 2006 the camp and crew were mobilized 12 km by helicopter from a staging area near the Silver Hart Deposit, which lies at the end of a 40 km road extending north from Km 1160 on the Alaska Highway. Helicopter support was provided by a Bell 206B Jet Ranger operated by Trans North Helicopters from a permanent base at Watson Lake, 120 km east of the property.

## PREVIOUS WORK

The eastern part of the QB property was previously staked as the Eagle claims in July 1979 by Regional Resources Ltd. which explored with geological mapping, prospecting, soil geochemistry and geophysical surveys later that year. In 1980 the claims were optioned to a joint venture between Amax Exploration Limited and Pan Ocean Oil Limited which performed additional geophysical surveys and grid soil sampling that outlined a 1400 by 200 m area of coincident, moderately to strongly anomalous lead and zinc response. Follow up prospecting discovered massive pyrrhotite float plus galena and sphalerite in narrow fractures within schist (Verley, 1980). Twenty-one line km of VLF-Magnetic-IP surveys were conducted across the geochemical

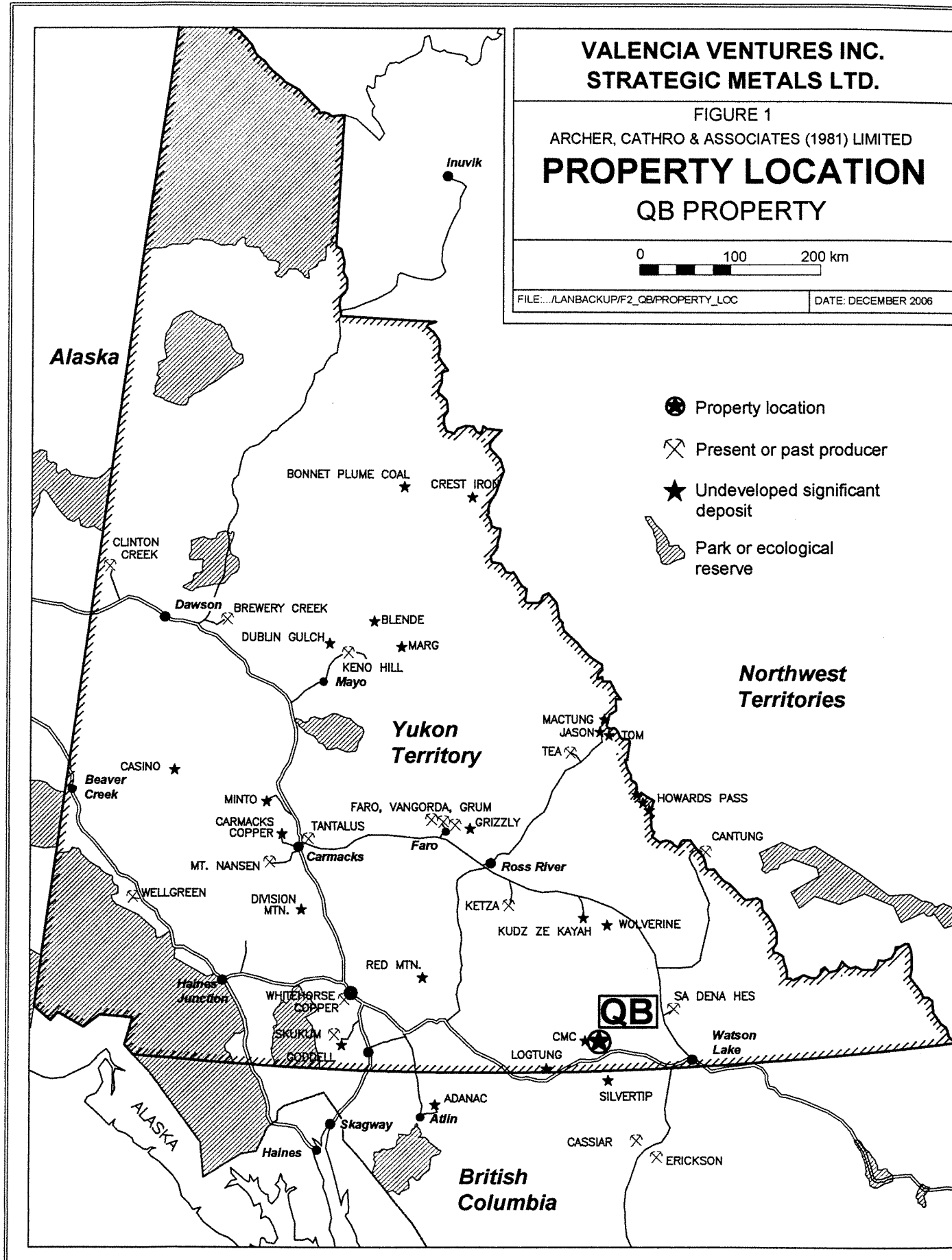
**VALENCIA VENTURES INC.  
STRATEGIC METALS LTD.**

FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY LOCATION**  
QB PROPERTY

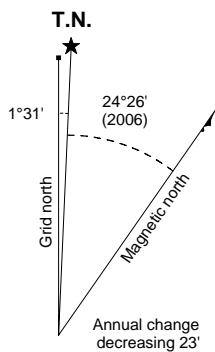
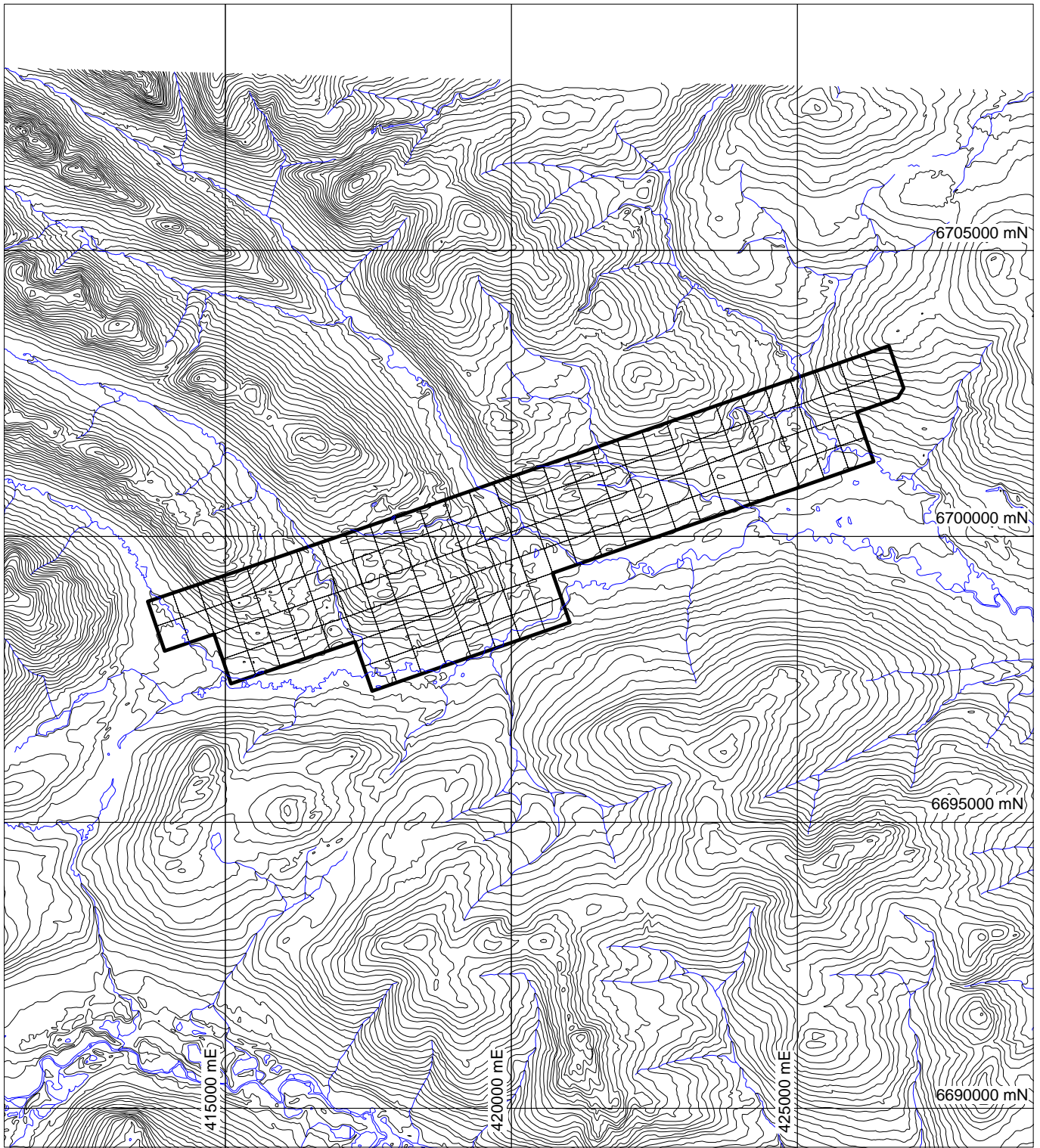


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DATE: DECEMBER 2006



- Property location
- Present or past producer
- Undeveloped significant deposit
- Park or ecological reserve



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**FIGURE 2**  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATION**  
**QB PROPERTY**



UTM Zone 9, NAD83, NTS 105B/7 - 105B/8

anomalies and outlined several areas of anomalous response (Cartwright and Hallof, 1981). Some targets were hand trenched but none was tested by mechanized methods. The claims were transferred to Fairfield Minerals Limited in 1988 but no additional work was reported.

The claims were allowed to lapse and Nordac restaked the anomalies in February 1996. During June 1996 a crew performed geological mapping and prospecting plus reconnaissance and grid soil geochemical sampling mainly in the eastern portion of the QB property (Wengzynowski, 1997). A ground geophysical program consisting of 16.7 line km of HLEM and magnetometer surveys was conducted by Amerok Geosciences Ltd. at the same time as the soil sampling. The grid soil sampling outlined a 2400 by 500 m easterly trending lead-zinc target with a strongly anomalous core measuring 800 by 200 m. The magnetometer survey produced only erratic spot highs while the HLEM survey identified four subparallel conductors, each approximately 400 m in length. Follow up prospecting done in September discovered high grade massive sulphide float. Ten pyrite-pyrrhotite-sphalerite-galena bearing specimens collected over a distance of 2000 m along the axis of the soil geochemical anomaly returned arithmetic averages of 9.98% zinc, 9.10% lead, 0.13% copper and 143.9 g/t silver. Mineral textures and radiogenic lead isotope data suggested that the float is derived from a vein manto replacement type deposit.

Mechanized exploration in 1997 tested the lead-zinc soil geochemical anomaly and attempted to locate the source of the massive sulphide float boulders. The program consisted of 1100 m of excavator trenching and 994 m of diamond drilling (Wengzynowski, 1998). The trenches were widely spaced along an 1100 m section of the soil geochemical anomaly. Although abundant mineralized float was found in the glacial till profile, no significant mineralization was exposed in bedrock. Only intermittent bedrock was encountered in most trenches and all trenches in the core of the anomaly bottomed in till.

Between 1997 and 2000, nine holes (1116 m) were drilled in the eastern part of the property and two holes (151 m) were completed in the western part of the property.

The holes in the eastern part of the property were located along a 500 m section of the soil geochemical anomaly where mineralized boulders were found in glacial till and the HLEM survey had outlined a conductor. The first three holes encountered only minor fracture mineralization but provided information about overburden depth and bedrock foliation. Subsequent holes intersected multiple zones of moderate to intense faulting with associated brecciation. These holes also contained massive, semi-massive and fracture filling mineralization usually in breccia zones within limestone horizons. The best intersection averaged 25.2 g/g silver, 1.52% lead, and 3.20% zinc over 11.93 m, including 1.75 m grading 107.5 g/t silver, 8.43% lead and 13.50% zinc. A few bands of massive sulphide mineralization were intersected in the holes but they were all too narrow to adequately explain the abundant mineralized float observed in the excavator trenches (Wengzynowski, 1998 and Becker, 2000).

In September 1997 geological mapping, prospecting and reconnaissance and grid soil sampling were performed immediately west of the 1996 grid (Wengzynowski, 1998). The new grid covered a 1200 by 1200 m area. The sampling extended the zone of anomalous lead-zinc response on the 1996 grid across the full length of the 1997 grid but did not identify any values as

and Lowey, 1987), B.C. Ministry of Energy and Mines (Nelson and Bradford, 1986 and 1993), and the Yukon Geological Survey (Roots, et al., 2004).

The QB property lie within a belt of calcareous and non calcareous sedimentary and metasedimentary rocks belonging to the Cassiar Platform tectonic element (Figure 3). This belt extends through northern British Columbia into central Yukon. The northeastern edge of the belt is defined by the Tintina Fault Zone, a series of subparallel transcurrent faults that produced about 420 to 460 km of dextral offset in Early Tertiary times (Mortensen, et al., 2000). The southwest side is bounded by the D'Abbadie Thrust Fault (Keijzer, et al., 1999). Cassiar Platform rocks were mainly deposited as shallow water sediments during Paleozoic times along the margin of North America. They were deformed and metamorphosed by arc-continent collision in the early Mesozoic and were subsequently intruded by various plutonic suites. The regional metamorphic fabric strikes southeasterly and dips moderately toward the northeast. Intrusions in the area range from Early Jurassic to Early Tertiary in age (Mihalynuk and Heaman, 2002) but most belong to the Mid-Cretaceous Cassiar Plutonic Suite (Mortenson, et al., 2000). The Cassiar Plutonic Suite intrusions include batholiths (Cassiar, Hake and Seagull), stocks and dyke complexes.

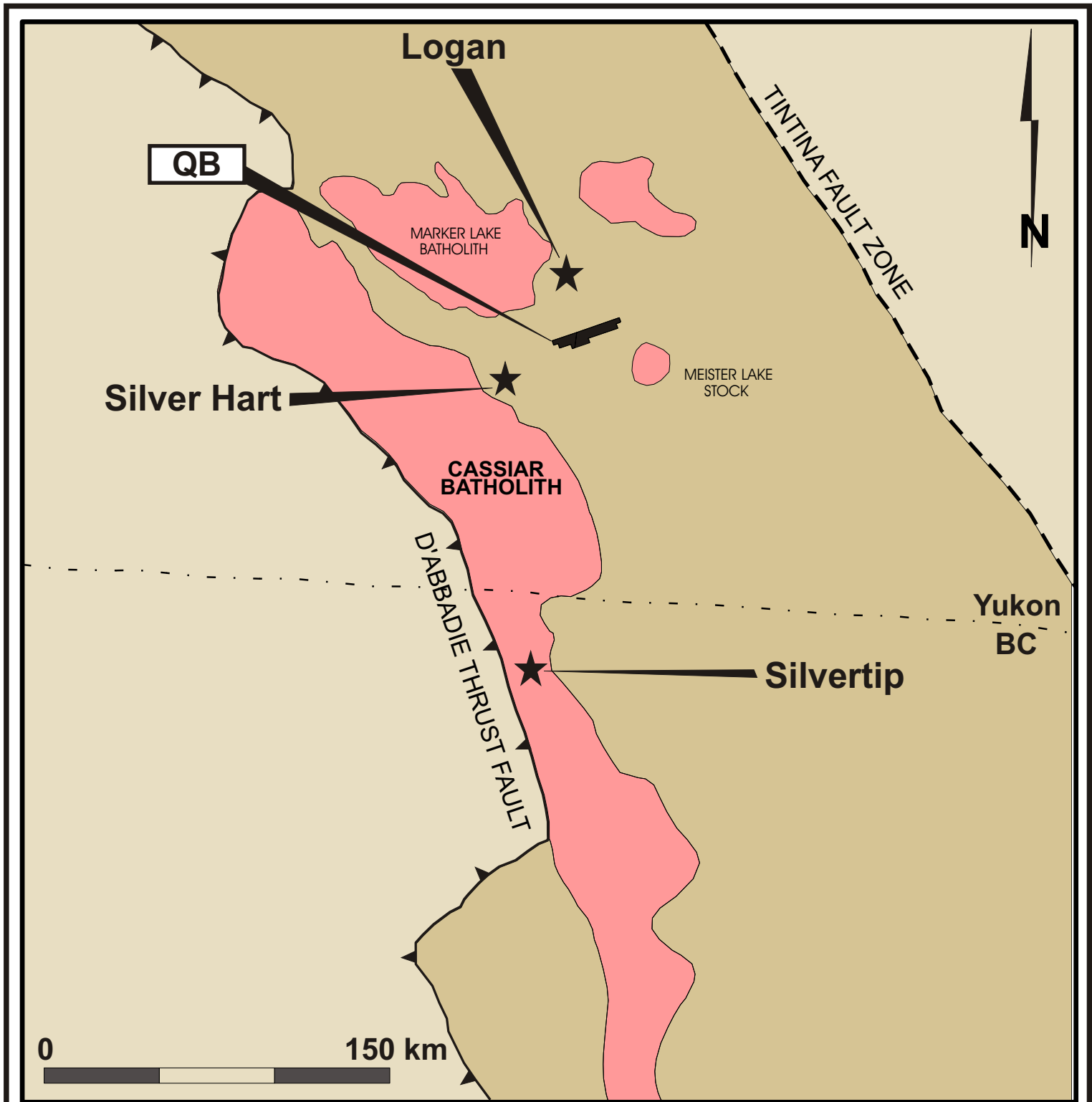
The major high angle faults in the area are aligned subparallel to the Tintina Fault Zone and exhibit primarily dextral strike-slip offsets. Movement on these structures produced a series of smaller, northeast trending extensional faults that are associated with silver bearing mineralization at a number of prospects in the area.

The main lithological units in the Rancheria area are summarized on the following table.

**Table I - Main Lithological Units**

<u>Recent Overburden</u>	Glacial till, lateral and terminal moraines, and glaciofluvial outwash
<u>Tertiary</u>	Monzogranite and quartz-feldspar porphyry dykes
<u>Cretaceous</u>	Granite, granodiorite, quartz-monzonite, alaskite, diorite
<u>Jurassic</u>	Hornblende diorite and quartz diorite; minor biotite-hornblende quartz monzonite
<u>Lower Devonian to Lower Mississippian Earn Group</u>	Recessive, carbonaceous shale and slate, locally phyllitic
<u>Silurian to Upper Devonian McDame Formation</u>	Grey to black, laminated and thick bedded fetid limestone
<u>Upper Cambrian to Lower Ordovician Kechika Group</u>	Chloritic volcanic fragmental rocks with limestone lenses and orange weathering, brown and green, lime-cemented volcanoclastic rocks
<u>Upper Cambrian</u>	Recessive buff weathering, thick bedded grey slate and argillaceous limestone
<u>Lower Cambrian Atan Group</u>	Grey, buff and orange massive dolostone, limestone and calc-silicate rocks
<u>Lower Cambrian and older Boya Formation</u>	Biotite schist, carbonaceous schist and quartzite

(after Roots, et al., 2004)



- Mid Cretaceous  
Cassiar Plutonic Suite
- Cassiar Platform
- Yukon-Tanana Terrane
- Deposit owned  
by other

<b>VALENCIA VENTURES INC. STRATEGIC METALS LTD.</b>
<small>FIGURE 3 ARCHER, CATHRO &amp; ASSOCIATES (1981) LIMITED</small>
<b>REGIONAL GEOLOGY</b>  <b>QB PROPERTY</b>
<small>FILE:AC/2007/RANCHERIA/QB/REG_GEO      DATE: JANUARY 2007</small>

## **REGIONAL MINERALIZATION**

The following general history of mineral exploration in the Cassiar Mountains is based primarily on Yukon Minfile (Traynor, 2005) and B.C. Minfile (2006).

More than 250 mineral occurrences have been reported in the Cassiar Mountains of northern British Columbia and southern Yukon. A high proportion of these occurrences are in the Rancheria area where various types of silver bearing mineralization are associated with Cretaceous igneous activity. Although some discoveries were made in the first half of the twentieth century, most were made after 1950 when construction of the Alaska Highway greatly improved access.

The period of maximum exploration activity occurred in the early to mid 1980s and was stimulated by drill discoveries at the Silvertip Deposit by Regional Resources, the Logan Deposit by Fairfield Mineral and the Silver Hart Deposit by Silver Hart Mines Ltd. These properties are the most advanced projects in the area but have been relatively dormant for several years because of low silver prices.

The Cassiar Platform and intrusive rocks of the Rancheria area are host to numerous mineral occurrences including: silver-lead-zinc±copper±gold veins, tin-tungsten-zinc skarns and lead-zinc-silver replacement bodies. The most significant discoveries in this region to date are the Silvertip (Midway), Logan and Silver Hart Deposits. The Silvertip Deposit is classified as a manto replacement body hosted in Devonian sediments. Diamond drilling and underground development have outlined a mineral resource containing 2,570,000 tonnes with an average grade of 325.0 g/t silver, 6.4% lead, 8.8% zinc (Silver Standard Resources, 2006). Vein and shear hosted mineralization occurs within the Cretaceous Marker Lake Batholith at the Logan Deposit where historical resources are estimated at 13.08 million tonnes grading 5.1% zinc and 23.7 g/t silver (Traynor, 2005). The Silver Hart Deposit consists of a series of veins reportedly containing 59,893 tonnes grading 1824 g/t silver (Traynor, 2005). The locations of these deposits are shown on Figure 3.

## **PROPERTY GEOLOGY**

The QB property lies between the Marker Lake Batholith, about 4 km to the north, and the Meister Lake Stock, approximately 6 km to the southeast.

Bedrock exposure on the property is poor (<5%) and is generally restricted to creek cuts or small windows through the glacial till cover. Most of the property is underlain by schists that are believed to be Lower Cambrian in age (Boya Formation). Limestone is interbedded with the schist forming horizons up to 100 m thick. The only intrusive rocks observed are narrow felsic dykes.

The lack of exposure in most parts of the property limits structural interpretation. In the eastern part of the property, trenching and drilling have enhanced the understanding of local structures and stratigraphy suggesting the existence of a relatively open synformal structure

(Wengzynowski, 1998). Foliation is well developed in most units and parallels compositional layering. The main geological features on the QB property are shown on Figure 4 while the main lithologies are described below. Although the schist units are described separately, they are not subdivided on the map.

**Quartz-muscovite±biotite±feldspar schist** is the most common schist unit. It is tan weathering, medium grained, well foliated, grey to dark green weathering and moderately fissile. Biotite and chlorite contents are variable ranging from 0 to 30 %.

**Quartz-muscovite schist** is pale grey-green and mostly occurs as thin, 1 to 15 cm interfoliations within limestone. This unit is commonly calcareous and is the least common of the schist units.

**Limestone** is either white and coarsely crystalline or pale greenish grey and fine grained. The finer grained material contains biotite and muscovite along schistose partings and laminations. In the vicinity of the mineral occurrences the limestone is often intensely silicified (jasperoid) and brecciated. Contacts between fresh limestone and silica altered zones are usually gradational.

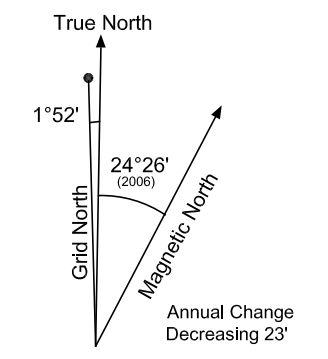
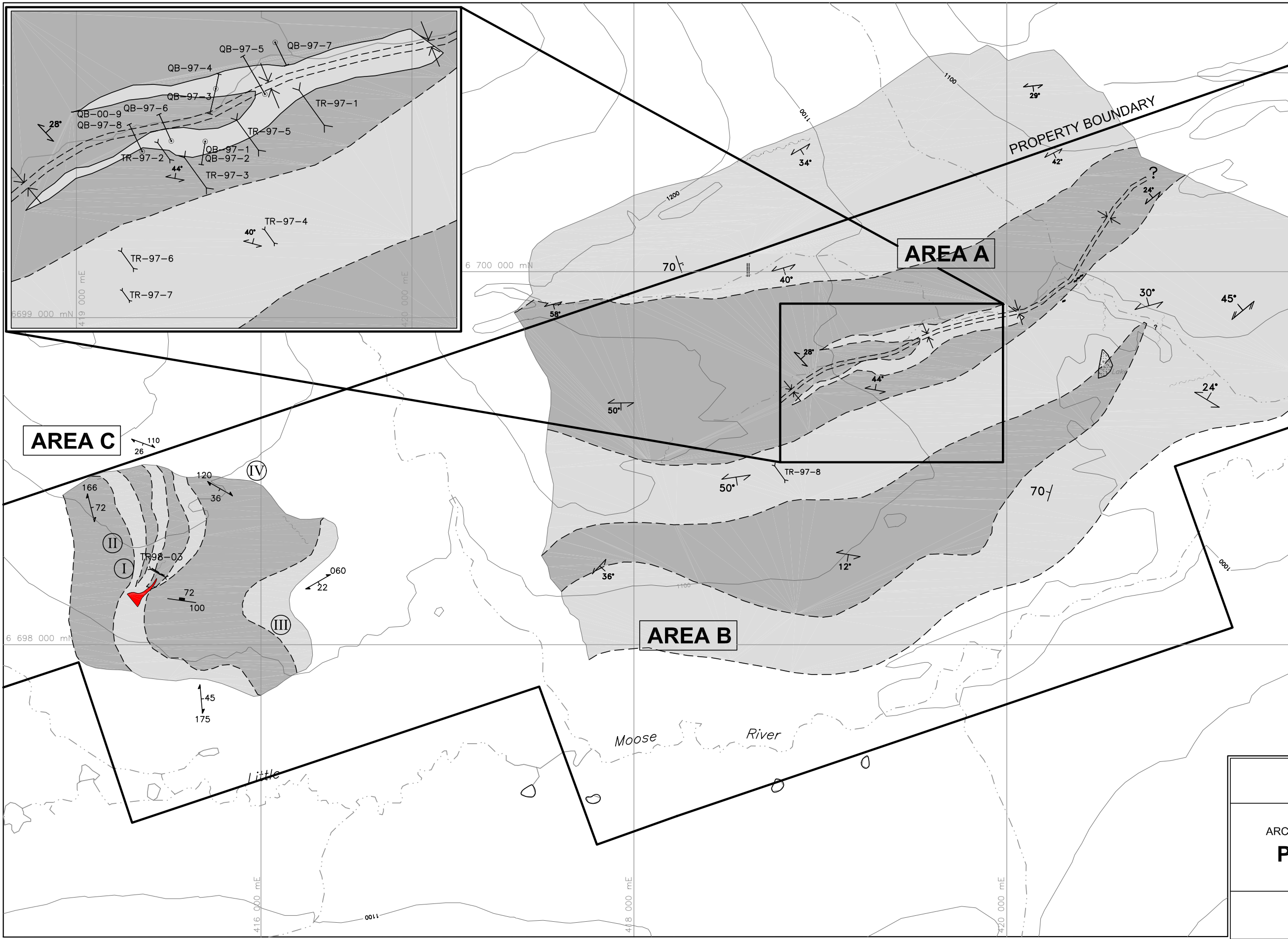
**Felsic dykes** are composed of fine to medium grained, light grey groundmass with rounded phenocrysts of quartz and feldspar up to 2 mm in diameter. This unit is not common and has not been found in outcrop.

Most topographic linears on the property are best seen on air photos and are interpreted as steep easterly trending faults. These structures may have played an important role in controlling mineralization. Northeasterly and north-northwesterly trending faults have also been inferred based on isolated bedrock exposures, topographic linears and geophysical interpretation (Wengzynowski, 1998).

## **PROPERTY GEOCHEMISTRY AND MINERALIZATION**

Soil geochemical results from the QB property identified a broad band of anomalous lead and zinc response that extends for the entire 6 km length of the grid. Figure 5 illustrates lead soil geochemistry results. The three main areas of interest are labeled A, B and C on the map and are described in the following paragraphs.

**Area A** hosts a 2400 by 500 m east-northeast trending lead-zinc anomaly with a strongly anomalous core measuring 800 by 200 m. Silver response is subdued compared to the other two metals. The core of the anomaly coincides with the projected surface trace of a synclinal axis. Mineralized float boulders were discovered at a number of sites within Area A. Most of the boulders consists of massive pyrite-pyrrhotite±sphalerite±galena±chalcopyrite exhibiting weak banding and replacement textures commonly associated with manto replacement style mineralization. Ten specimens sampled in 1996 returned an arithmetic average grade of 9.98% zinc, 9.10% lead, 0.13% copper, and 143.9 g/t silver with peak values of 20.2% zinc, 18.70% lead, 0.28% copper and 281 g/t silver. Heavily disseminated sphalerite and galena identified within dolomitized limestone and metasediments yielded up to 12.60% zinc, 9.74% lead and 778 g/t silver (Wengzynowski, 1998).



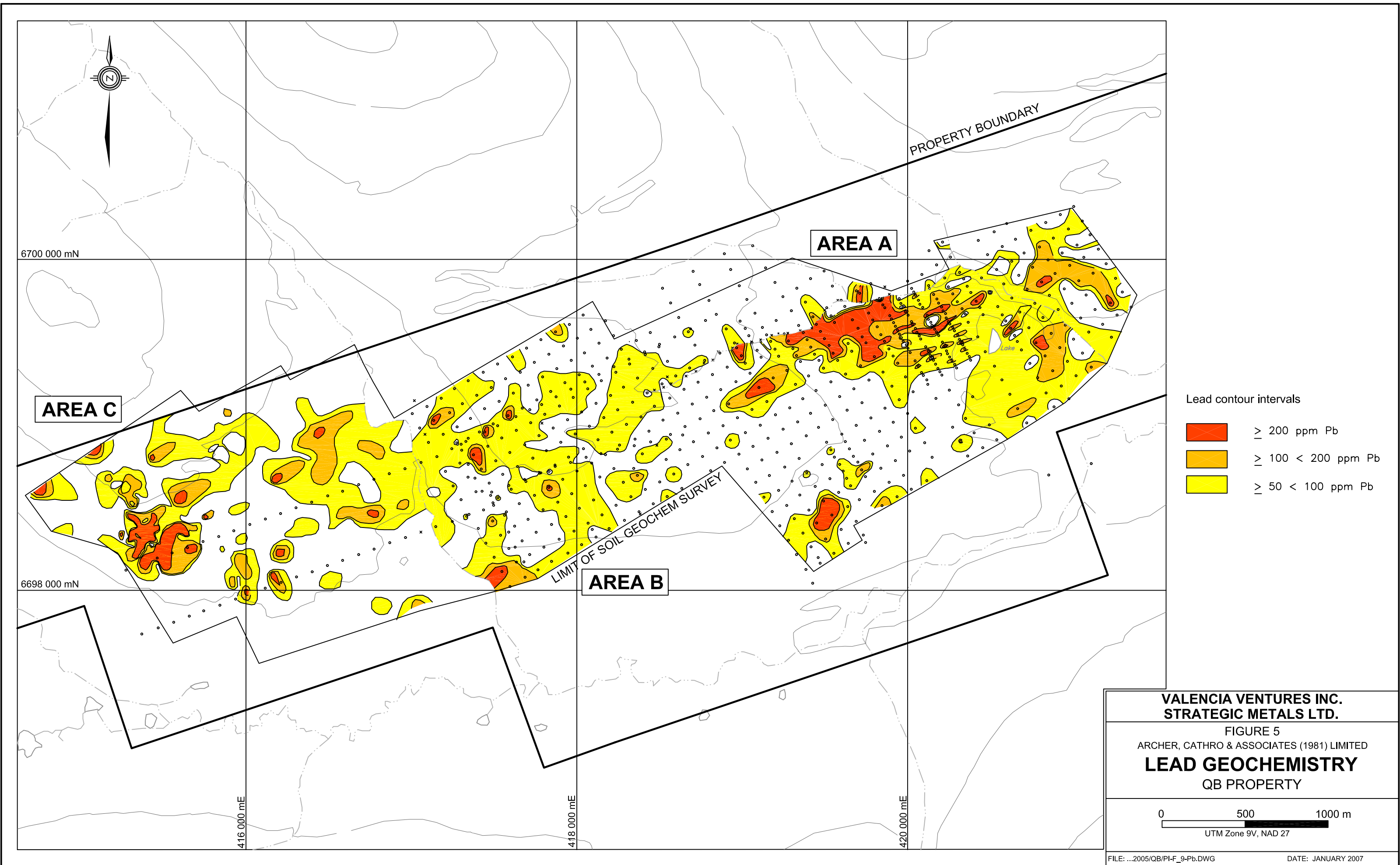
- Weak to non calcareous schist
- Limestone
- Jasperoid kill zone
- Geological contact, inferred
- Synform axis, inferred
- Fault trace, inferred
- TR-97-8 Excavator trench
- Diamond drill hole
- 20° Foliation attitude
- 10° Joint orientation
- I Showing in Area C

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FIGURE 4  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
 QB PROPERTY

0      500      1000 m  
 UTM Zone 9V, NAD 27, 105B/8

FILE: ...2005/QB/PI-F\_9-Pb.DWG      DATE: JANUARY 2007



6700 000 mN

6698 000 mN

416 000 mE

418 000 mE

420 000 mE

**AREA C**

**AREA A**

**AREA B**

PROPERTY BOUNDARY

LIMIT OF SOIL GEOCHEM SURVEY

Lead contour intervals

	≥ 200 ppm Pb
	≥ 100 < 200 ppm Pb
	≥ 50 < 100 ppm Pb

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FIGURE 5  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**LEAD GEOCHEMISTRY**  
QB PROPERTY

0                      500                      1000 m  
UTM Zone 9V, NAD 27

FILE: ...2005/QB/PI-F\_9-Pb.DWG                      DATE: JANUARY 2007

Excavator trenching which attempted to explore the soil anomaly was largely unsuccessful because of swampy unstable ground conditions and thicker than expected glacial till. Only parts of four of the eight trenches reached bedrock and exposed significant mineralization in the till profile.

**Area B** is roughly 1500 by 1000 m in size and contains mostly weakly anomalous lead values surrounding clusters of moderately and strongly anomalous response. Very little follow up work has been done in this area and no mineralization has been documented.

**Area C** is situated about 4 km west of Area A and hosts four zones of anomalous lead-silver-zinc-copper geochemical response within a 1 km<sup>2</sup> block. Trends of elevated values are very irregular suggesting that the mineralization is structurally complex or that metal dispersion in soil has been complicated by glacial smearing. Carbonate replacement mineralization has been identified in the vicinity of the strongest soil geochemical anomalies. The mineralization is mostly hosted in jasperoid altered horizons. Four showings, referred to as I, II, III and IV have been identified and are described below. Becker (1999 and 2000).

**Showing I** occupies an area of extremely strong multi-element soil geochemical response centred on a zone of mineralized float and outcrops. The soil geochemical anomaly covers a 450 by 450 m area where all the indicator elements (lead-zinc-silver) returned extremely high values, except for a band of weakly anomalous values that coincides with a barren schist horizon. The northwest edge of the barren schist is an inferred fault which is marked by a northeast trending topographic linear. This linear drains downhill into a "kill zone". Mineralization and alteration are strongest on the northwest side of the fault and gradually decrease away from it.

Mineralized outcrops in the northwest half of Showing I are all related to jasperoid alteration formed by silicification of limestone. The original textures of the limestone are preserved, in part because of very fine grained carbonate grains that are encapsulated within the jasperoid. Typical jasperoid is medium to dark grey and massive except for occasional vugs. It contains blebs (0.5 to 2 mm in diameter) of galena, sphalerite and pyrite with lesser pyrrhotite, chalcopyrite and fine grained tetrahedrite. Most outcrops are moderately weathered and are coated with limonite, manganese and locally abundant malachite. Sericitized limestone fragments are common within the jasperoid altered zone but their foliation attitudes are erratic suggesting they may be breccia fragments formed by collapse of the hanging wall rocks during jasperoid formation.

Lateral zonation is evident in the alteration zone with a core of mineralized jasperoid adjacent to the fault grading outward to barren jasperoid, dolomite and finally unaltered limestone. Foliation attitudes in unaltered rocks north of the fault strike northerly and dip steeply to the east or southwest while foliations in rocks southeast of the fault strike northeast and dip moderately to the southeast. Joints in all rock types usually strike northeast and dip steeply to the southeast or northwest.

The average grade of nine specimens of mineralized jasperoid collected in 1998 was 168.2 g/t silver, 2.40% lead, 1.16% zinc and 0.51% copper (Becker, 1999). The best results from hand trenching were in TR98-03 which averaged 155.3 g/t silver, 2.6% lead, 0.8% zinc and 0.34%

copper over 16.5 m. TR98-04, located 50 m downhill from TR98-03, exposed 14 m of jasperoid mineralization. Two diamond drill holes were drilled from a single site located below the exposure in TR98-04. Both holes encountered the jasperoid mineralization but at a much shallower depth and across narrower thicknesses than anticipated. The grades, however, were similar to the trench samples.

**Showing II** consists of moderate to strong soil geochemical response over a zone of mineralized float and outcrop. A 28 m long hand trench exposed weak to moderately mineralized limestone, schist and jasperoid that is strongly weathered, with limonite occurring as disseminations, along fractures and in patches of boxwork. Chip samples from this trench averaged 59.5 g/t silver, 1.07% lead and 0.22% zinc over 8 m (Becker, 1999).

**Showing III** is an area with moderate to strong soil geochemical response and scattered mineralized float boulders. The soil geochemical anomaly covers an area 350 by 350 m with scattered moderate to strong values surrounded by areas of weak to background response. This erratic pattern may be due to glaciation because the area is characterized by small hummocks of glacially scoured outcrop surrounded by gullies filled with glacial till. Two float samples of mineralized jasperoid were found within this showing in 1998. The better of the two boulders returned 209.1 g/t silver, 1.89% lead, 0.70% zinc and 0.75% copper. In 1999 a hand pit dug beneath a strongly anomalous grid soil sample site unearthed several more mineralized float boulders but a layer of large unmineralized boulders prevented the pit from reaching bedrock. A composite sample from strongly weathered float boulders graded 229 g/t silver, 2.2% lead, 0.31% zinc and 0.44% copper (Becker, 2000). Several other hand pits were dug in the area but they did not locate mineralized float or bedrock.

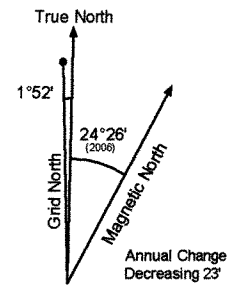
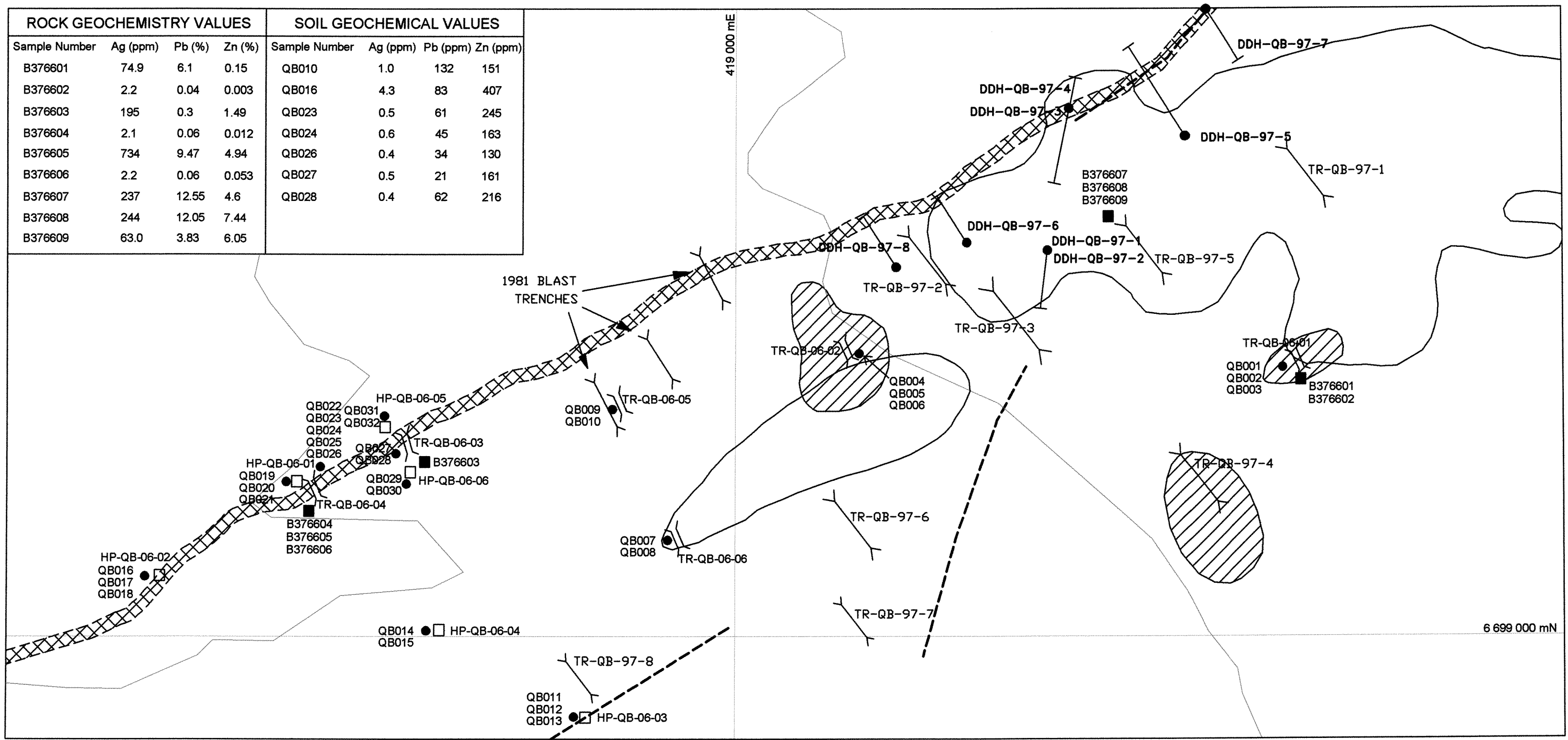
**Showing IV** consists of weak to moderate soil geochemical response and three mineralized float boulders. The soil geochemical anomaly is relatively erratic and has weak silver and copper response compared to the other showings. Three samples of mineralized jasperoid were found along the top of a south facing slope, which parallels an east trending recessive linear, but all outcrops in the area are unaltered schist. The average grade for the three samples is 19.9 g/t silver, 0.13% lead, 5.14% zinc and 0.11% copper (Becker, 1999).

### **2006 EXPLORATION PROGRAM**

Exploration during the 2006 field season was all conducted within Area A. Work focussed on hand trenching and hand pitting in the vicinity of relatively unexplored soil geochemical, ground magnetic and VLF anomalies, and at silver rich float locales near the southwestern end of the target area (Figure 6). Select massive sulphide material from the 1997 discovery site was also resampled. Detailed mapping and prospecting were planned but could not be completed because of persistent snow cover.

Bedrock was not exposed in any of the hand trenches or pits dug during the 2006 program. Material was examined from each of the sites and detailed profile mapping and sampling was conducted for each trench and hand pit. Nine specimens were collected from the trench sites while 32 till samples were collected from the trench and pit profiles (Figures 7 to 14).

ROCK GEOCHEMISTRY VALUES				SOIL GEOCHEMICAL VALUES			
Sample Number	Ag (ppm)	Pb (%)	Zn (%)	Sample Number	Ag (ppm)	Pb (ppm)	Zn (ppm)
B376601	74.9	6.1	0.15	QB010	1.0	132	151
B376602	2.2	0.04	0.003	QB016	4.3	83	407
B376603	195	0.3	1.49	QB023	0.5	61	245
B376604	2.1	0.06	0.012	QB024	0.6	45	163
B376605	734	9.47	4.94	QB026	0.4	34	130
B376606	2.2	0.06	0.053	QB027	0.5	21	161
B376607	237	12.55	4.6	QB028	0.4	62	216
B376608	244	12.05	7.44				
B376609	63.0	3.83	6.05				



- HP-QB-06-04 2006 Hand pit
- B376603 2006 Rock sample
- QB015 2006 Soil sample
- TR-QB-06-05 2006 Hand trench
- TR-QB-97-02 Excavator trench
- DDH-QB-97-07 Diamond drill hole
- ▨ Magnetic high
- ▧ Surface trace of synformal axis
- - - Max/min conductor

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FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

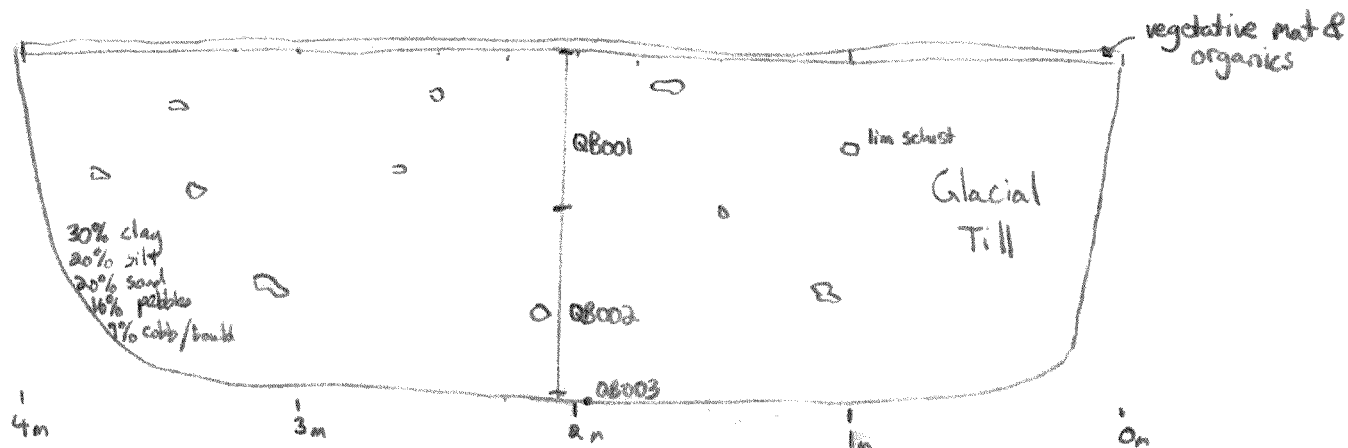
**AREA A COMPILATION**  
QB PROPERTY

0 100 200 300 m

UTM Zone 9V, NAD 27, 105B/8

FILE: ...2006/QB/WORKCOMP.DWG DATE: JANUARY 2007

Trench #1  
 Mag Anomaly #1  
 Oriented along N-S gridline  
 4m long x 1.2m wide x 2m deep  
 Eastern Rib mapped



Boulder & cobble lithology: rounded limestone/dolomite hosting disseminated py 35-45%  
 chlorite/sericite schist 35%  
 limonitic intrusive w/ minor py & qtz veins 10% (Sampled)  
 limonitic highly broken rock hosting minor fract mzn 1% (Sampled)

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FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TRENCH  
 TR-QB-06-01  
 QB PROPERTY**

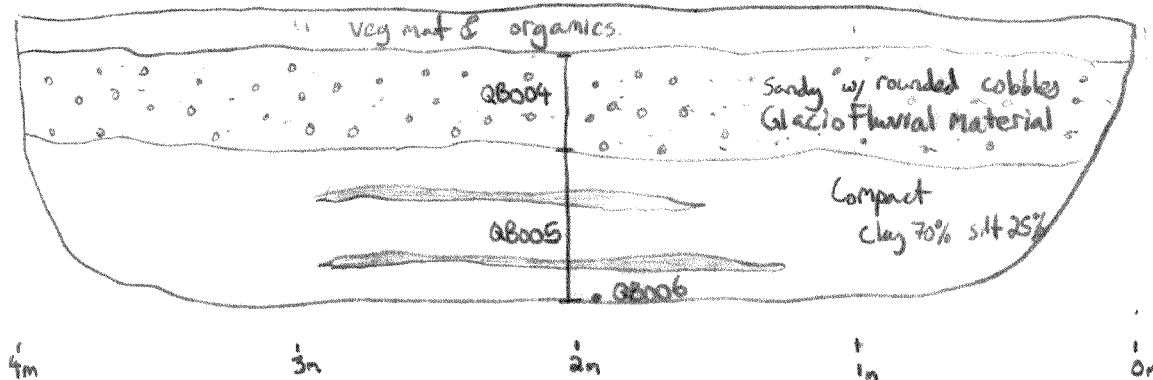


SCALE 1:50  
 UTM ZONE 9V, NAD 27, 105B/8

FILE:AC/2007/RANCHERIA/QB/TRENCH1 DATE: JANUARY 2007

Trench #2  
 Mag Anomaly #3  
 Oriented along N-S Gridline  
 4.2 m long x 1.4 m wide x 1.2 m deep.

Section looking east



Cobble & boulder lithology: limestone 70%  
 schist 25%  
 other 5%

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FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH  
 TR-QB-06-02  
 QB PROPERTY



SCALE 1:50  
 UTM ZONE 9V, NAD 27, 105B/8

FILE:AC/2007/RANCHERIA/QB/TRENCH2 DATE: JANUARY 2007

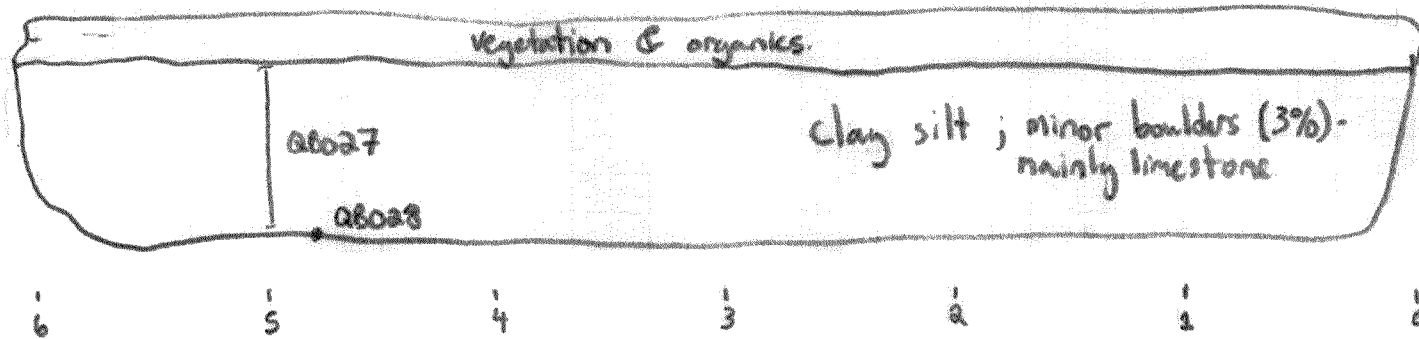
water in pit  
 2 hand pits (1981?) are located 10m uphill in swamp.

# Trench #3

6.2m x 1m x 1m

Trench near highly  
Agrich sample discovered  
water in trench bottom.

Section looking east



Two handpits located within 15m

HP-06-05 15m N across stream 2m x 1m x 0.5m (depth)  
Q8031 - rib  
Q8032 - floor

HP-06-06 10m S. @ base of hill 2m x 1m x 1.2m deep  
Q8029 - rib  
Q8030 - floor

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FIGURE 9  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TRENCH**  
TR-QB-06-03  
**QB PROPERTY**

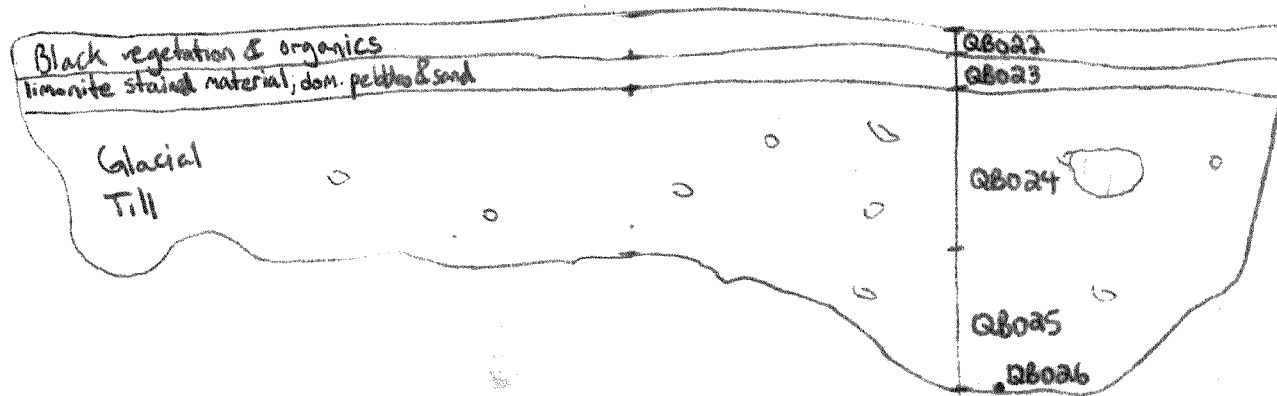


SCALE 1:50  
UTM ZONE 9V, NAD 27, 1058/8

FILE:AC/2007/RANCHERIA/QB/TRENCH3 DATE: JANUARY 2007

TR#4  
 Deep trench to test swamp  
 along mzn structure  
 6.5m x 1.5m x 2m deep.  
 Oriented || to N-S gridline.

Section looking east



Boulder & cobble lithology

- 60% limestone / dolomite w/ minor py
- 25% Qtz musc / ser schist
- 10% Qtz Flooded limestone w/ minor py. (well bedded)
- 1% lim conglomerate w/ minor galena

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FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TRENCH**  
 TR-QB-06-04  
**QB PROPERTY**

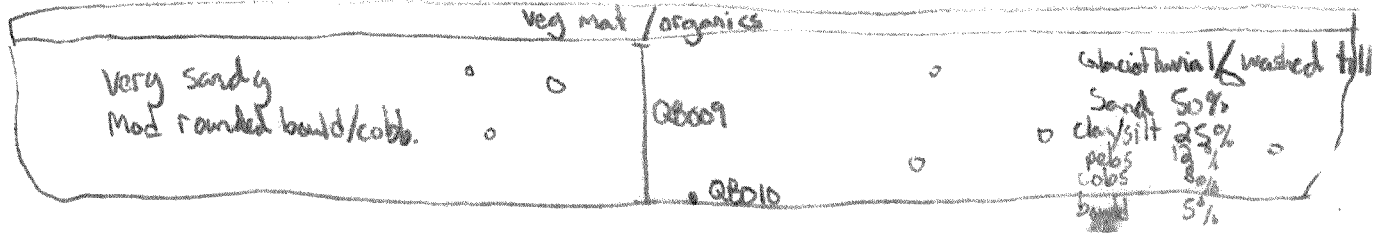


SCALE 1:25  
 UTM ZONE 9V, NAD 27, 105B/8

FILE:AC/2007/RANCHERIA/QB/TRENCH4 DATE: JANUARY 2007

Trench #5  
 Along old blast trench  
 Follow-up high Ag sample  
 8m x 1m x 1m  
 Oriented along N-S gridline

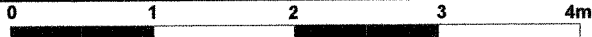
Section looking east



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FIGURE 11  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TRENCH**  
 TR-QB-06-05  
**QB PROPERTY**



SCALE 1:50  
 UTM ZONE 9V, NAD 27, 105B/8

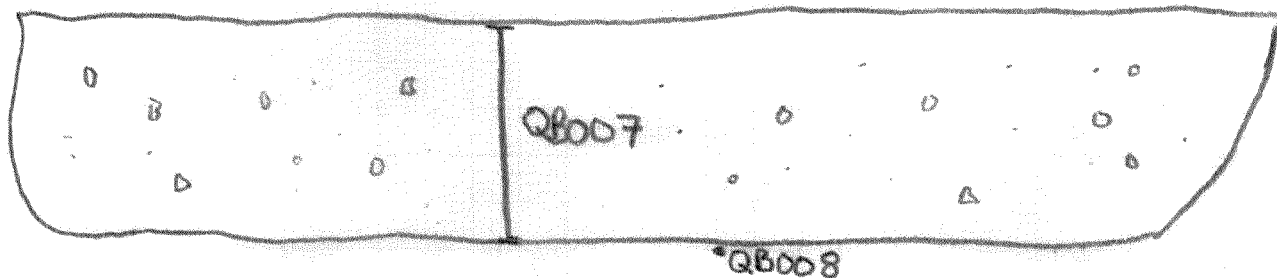
FILE:AC/2007/RANCHERIA/QB/TRENCH5 DATE: JANUARY 2007

Trench #6

1.3 m wide x 4 m long x 0.80 m deep  
Head of Pb anomaly  
Trench oriented N-S

Section looking east

silt 30%  
clay 20%  
sand 20%  
pebb 13%  
cobb 10%  
bould 7%



Boulder lithology: 80% limestone  
20% schist.

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FIGURE 12  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**TRENCH**  
TR-QB-06-06  
**QB PROPERTY**

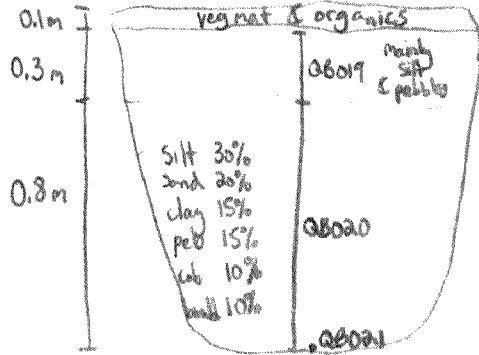
0 1 2m

SCALE 1:50  
UTM ZONE 9V, NAD 27, 105B/8

FILE:AC/2007/RANCHERIA/QB/TRENCH6 DATE: JANUARY 2007

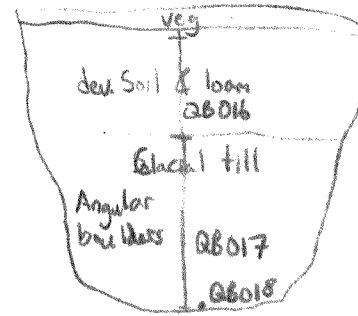
Section looking east

Hand pit #1  
2m long x 1.5m x 1.2m deep



Cobble & boulder lithology: 50% chlor/sec/qtz schist  
50% limestone/dolo.

Hand pit #2  
To test Ag soil anomaly &  
Swamp 25m/20m  
2m x 1.3 x 1.3

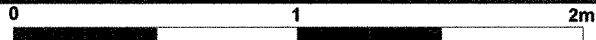


Boulder & cobble lith: Limestone w/ minor pg 85%  
Qtz x-cutting limestone 5%  
schist 10%

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FIGURE 13  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**HAND PIT  
HP-QB-06-01 & 02  
QB PROPERTY**

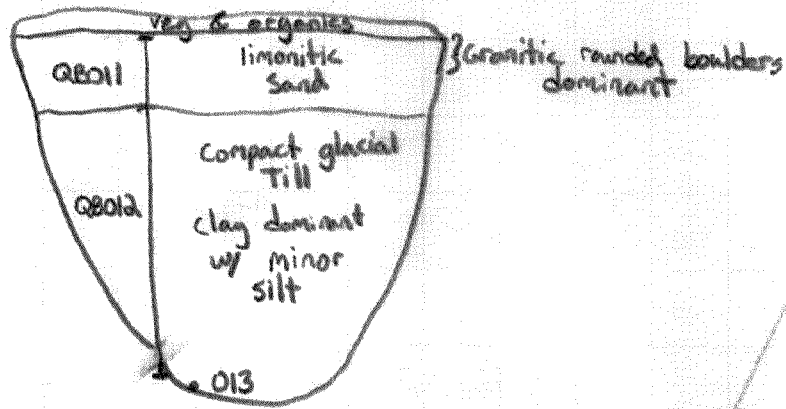


SCALE 1:50  
UTM ZONE 9V, NAD 27, 105B/8

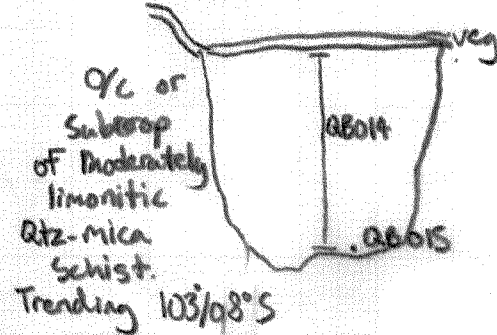
FILE:AC/2007/RANCHERIA/QB/HANDPIT1 DATE: JANUARY 2007

Hand Pit #3  
 Pit testing Max/min  
 anomaly  
 Looking East  
 1.5m x 1.8m x 1m deep

Section looking east



Hand Pit #4  
 Exposing limonitic  
 o/c  
 1.0m x 1.0m x 40cm  
 looking west



Boulder lithology:

limonitic / chlorite schist	65%
limestone / Dolomite	25%
granite boulders	10%

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 STRATEGIC METALS LTD.**

FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**HAND PIT**  
**HP-QB-06-03 & 04**  
**QB PROPERTY**

0 1 2m

SCALE 1:50  
 UTM ZONE 9V, NAD 27, 105B/8

FILE:AC/2007/RANCHERIA/QB/HANDPIT3 DATE: JANUARY 2007

All rock and soil samples collected in 2006 were sent to ALS Chemex in North Vancouver. Soil samples were dried, sieved to 80 mesh (-180 micron) and then the fine fraction was pulverized to yield a split that was dissolved in aqua regia and then analyzed for 34 elements using the inductively coupled plasma (ME-ICP41) technique. Rock samples were dried and fine crushed to better than 70% passing a 2 mm screen. A 250 g split was further pulverized to better than 85% passing 75 micron. The pulverized material was prepared and analyzed using the same technique as the soil samples. Any samples that yielded values exceeding upper detection limits were assayed for total metal content. Certificates of Analysis are contained in Appendix II.

The descriptions for the rock specimens and results obtained from them are listed in Table II.

**Table II – Rock Specimens**

<b><u>Sample #</u></b>	<b><u>Comment</u></b>	<b><u>Ag (g/t)</u></b>	<b><u>Pb (%)</u></b>	<b><u>Zn (%)</u></b>
B376601	Muscovite schist with limonite-pyrite laminations	74.9	6.10	0.15
B376602	Oxidized pyritic intrusive	2.2	0.04	0.003
B376603	Carbonate flooded intrusive with minor pockets of sphalerite/galena	195.0	0.30	1.49
B376604	Quartz-muscovite schist with pyritic and limonitic fractures	2.1	0.06	0.012
B376605	Cobble with limonitic rind and remnant semi-massive pyrite/sphalerite	734.0	9.47	4.94
B376606	Limy muscovite schist with pyrite/pyrrhotite clots	2.2	0.06	0.053
B376607	Massive pyrite boulder with clots of galena/sphalerite	237.0	12.55	4.60
B376608	Massive pyrrhotite boulder with finely laminated sphalerite/galena	244.0	12.05	7.44
B376609	Limy schist with crosscutting semi-massive pyrite/sphalerite/galena fractures	63.0	3.83	6.05

With the exception of samples B376607 to 609 which were taken from the main sulphide boulder locale identified in 1997, all other samples represent new showings. The specimens are all highly oxidized and include massive sulphide, sulphide fracture filling and stratabound sulphide mineralization. Copper values are low for all samples except B376605 which exceeded 1%.

Soil profile samples collected from the walls of each trench and pit were segregated by colour and texture. Weakly anomalous silver, lead and/or zinc results were obtained from most of the samples. The best response was obtained from HP-06-02, the furthest pit to the southeast which yielded 4.3 g/t silver, 83 ppm lead and 407 ppm zinc.

## **DISCUSSION AND CONCLUSIONS**

The 2006 program identified three new silver-lead-zinc sulphide showings peripheral to and along strike from the core of Area A, which was trenched and drilled in 1997 and 2000. The nature of the mineralization associated with the new showings is consistent with a manto replacement setting.

Geological and structural data were not obtained from any of the excavations because they all bottomed in glacial till. Detailed mapping within the area of interest was also deferred due to an early persistent snow fall.

The source of mineralization within Area A has still not yet been identified. An unknown component of glacial transport is suspected with material moving from southwest to the northeast.

Additional work is warranted to establish the source of the sulphide mineralization associated with Area A at the QB property. The next phase of exploration should include close spaced ground geophysical surveys up-ice (southwest) from the previous grid followed by systematic deep auger sampling, detailed mapping and prospecting to define specific drill targets.

Respectfully submitted,

**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**

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

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**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 1, 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**



# ALS Chemex

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VANCOUVER BC V6B 1L8

Page: 1  
Finalized Date: 1-NOV-2006  
Account: MTT

## CERTIFICATE VA06116141

Project: QB

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Vancouver, BC, Canada on 12-OCT-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

## SAMPLE PREPARATION

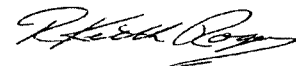
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS

To: STRATEGIC METALS LTD.  
ATTN: JOAN MARIACHER  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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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:   
Keith Rogers, Executive Manager Vancouver Laboratory



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Page: 2 - A  
Total # of Pages: 2 (A - C)  
Finalized Date: 21-NOV-2006  
Account: MTT

## CERTIFICATE OF ANALYSIS VA06116141

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
B376601		0.70	74.9	1.41	16	<10	70	0.6	167	0.66	4.5	13	11	289	31.7	10
B376602		0.82	2.2	0.40	<2	<10	20	<0.5	21	0.09	<0.5	5	1	38	3.49	<10
B376603		0.12	>100	1.46	5	<10	60	5.4	418	0.71	168.0	42	33	459	8.88	10
B376604		0.92	2.1	5.15	5	<10	160	0.8	2	1.82	<0.5	28	91	66	5.49	20
B376605		0.30	>100	0.96	104	<10	30	0.7	599	1.18	567	44	14	>10000	19.6	10
B376606		1.82	2.2	3.61	32	<10	20	1.2	2	4.02	4.5	15	20	124	1.71	10
B376607		2.14	>100	0.44	227	<10	10	<0.5	4	0.50	217	22	<1	3330	37.0	10
B376608		1.52	>100	0.13	9	<10	<10	<0.5	<2	0.07	368	51	<1	2210	46.0	10
B376609		0.50	63.0	0.69	235	<10	20	<0.5	<2	0.85	280	26	<1	1135	40.0	10



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Page: 2 - B

Total # of Tests: 2 (A - C)

Finalized Date: 21-NOV-2006

Account: MTT

## CERTIFICATE OF ANALYSIS VA06116141

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	Ti %
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
B376601		1	0.37	10	0.33	518	8	0.02	12	560	>10000	2.55	37	2	52	0.02
B376602		<1	0.19	30	0.03	118	6	0.05	2	40	422	0.18	<2	<1	11	<0.01
B376603		2	0.19	20	0.73	2700	<1	0.02	22	430	2960	1.21	4	7	52	0.09
B376604		<1	0.80	20	1.40	290	<1	0.38	64	160	649	2.50	5	7	178	0.19
B376605		<1	0.16	10	0.29	1070	3	0.02	39	350	>10000	9.53	14	3	80	0.03
B376606		<1	0.10	10	0.26	302	<1	0.36	38	570	583	0.45	3	1	376	0.12
B376607		<1	0.02	10	0.27	4900	<1	0.01	1	160	>10000	>10.0	222	<1	13	<0.01
B376608		1	0.02	<10	0.11	769	<1	0.01	<1	70	>10000	>10.0	249	<1	5	<0.01
B376609		<1	0.02	10	0.26	9090	<1	0.01	11	120	>10000	>10.0	64	1	30	<0.01



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Project: QB

Page: 2 - C

Total # of Pages: 2 (A - C)

Finalized Date: 21-NOV-2006

Account: MTT

## CERTIFICATE OF ANALYSIS VA06116141

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Ag-AA46	Zn-AA46
	Analyte	Tl	U	V	W	Zn	Pb	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	%
	LOR	10	10	1	10	2	0.01	1	0.01
B376601		<10	<10	24	<10	1505	6.10		
B376602		<10	<10	1	<10	28			
B376603		<10	<10	54	20	>10000		195	1.49
B376604		<10	<10	76	<10	118			
B376605		<10	10	8	10	>10000	9.47	734	4.94
B376606		<10	<10	12	<10	530			
B376607		<10	<10	7	<10	>10000	12.55	237	4.60
B376608		<10	<10	6	30	>10000	12.05	244	7.44
B376609		<10	<10	8	<10	>10000	3.83		6.05



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LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

Page: 1  
Finalized Date: 23-NOV-2006  
Account: MTT

## CERTIFICATE VA06116142

Project: QB

P.O. No.:

This report is for 32 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-OCT-2006.

The following have access to data associated with this certificate:

JOAN MARIACHER

## SAMPLE PREPARATION

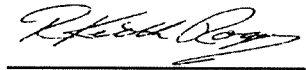
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

To: STRATEGIC METALS LTD.  
ATTN: JOAN MARIACHER  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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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: 

Keith Rogers, Executive Manager Vancouver Laboratory



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Page: 2 - A  
Total # Tests: 2 (A - C)  
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## CERTIFICATE OF ANALYSIS VA06116142

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	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 %	ME-ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
QB001	0.12	0.2	1.55	11	<10	60	0.8	<2	3.04	<0.5	11	19	25	2.81	10
QB002	0.16	<0.2	1.45	16	<10	60	0.7	<2	3.97	0.7	10	18	21	2.56	<10
QB003	0.14	<0.2	1.39	12	<10	50	0.7	<2	3.87	0.7	9	17	19	2.35	10
QB004	0.16	0.3	1.78	26	<10	60	1.2	<2	3.14	0.9	12	31	30	3.13	10
QB005	0.16	<0.2	1.61	35	<10	50	1.0	<2	5.19	<0.5	13	19	26	3.11	10
QB006	0.20	<0.2	1.54	30	<10	40	0.9	<2	6.63	<0.5	12	21	17	3.07	10
QB007	0.12	<0.2	1.76	23	<10	60	1.1	<2	7.69	<0.5	11	23	21	2.72	10
QB008	0.18	<0.2	1.40	40	<10	50	1.0	<2	9.05	<0.5	12	15	29	2.59	<10
QB009	0.18	<0.2	1.20	32	<10	40	0.8	<2	9.92	0.5	8	15	21	2.18	<10
QB010	0.20	1.0	0.89	31	<10	30	0.6	2	10.20	0.8	7	10	25	1.71	<10
QB011	0.14	0.3	2.19	5	<10	90	0.9	<2	0.15	<0.5	7	26	11	2.63	10
QB012	0.20	<0.2	2.08	12	<10	150	0.9	<2	7.41	<0.5	11	25	31	2.78	10
QB013	0.14	0.2	1.92	14	<10	100	0.9	<2	9.32	0.5	11	24	33	2.61	10
QB014	0.14	<0.2	2.62	6	<10	80	1.4	<2	0.15	<0.5	12	30	18	3.54	10
QB015	0.14	<0.2	2.52	15	<10	80	1.8	<2	0.17	<0.5	14	31	25	3.67	10
QB016	0.12	4.3	1.84	229	<10	60	1.4	<2	0.71	1.0	13	24	19	4.26	10
QB017	0.14	0.2	1.68	36	<10	70	0.9	<2	4.99	0.8	11	21	25	2.43	10
QB018	0.18	0.4	1.58	47	<10	70	1.0	<2	3.80	0.6	11	20	30	2.52	10
QB019	0.10	0.3	1.90	21	<10	70	1.3	<2	0.43	1.0	11	26	12	3.39	10
QB020	0.18	<0.2	1.74	27	<10	60	1.0	<2	2.07	<0.5	11	22	20	2.79	10
QB021	0.16	<0.2	1.73	28	<10	60	1.1	<2	1.94	0.5	12	22	30	2.90	10
QB022	0.14	<0.2	1.61	45	<10	50	1.2	<2	1.29	1.4	15	22	61	3.40	10
QB023	0.10	0.5	1.22	56	<10	30	1.0	<2	6.42	1.0	15	14	32	3.14	<10
QB024	0.20	0.6	0.94	35	<10	20	0.7	<2	11.15	0.5	11	11	28	2.16	<10
QB025	0.24	<0.2	0.91	30	<10	30	0.8	<2	7.62	<0.5	11	10	25	2.02	<10
QB026	0.12	0.4	1.19	21	<10	30	1.0	<2	7.01	<0.5	14	12	27	2.53	<10
QB027	0.12	0.5	1.01	10	<10	50	0.8	<2	3.91	2.5	5	10	23	1.29	<10
QB028	0.28	0.4	2.20	30	<10	70	1.1	<2	3.51	0.7	11	28	33	2.91	10
QB029	0.20	0.2	1.93	23	<10	70	1.1	2	4.50	0.8	13	25	37	3.13	10
QB030	0.18	0.2	1.77	22	<10	60	1.0	<2	5.75	<0.5	11	21	28	2.69	10
QB031	0.22	<0.2	1.97	20	<10	70	1.1	<2	5.96	0.5	12	24	37	2.90	10
QB032	0.20	<0.2	1.65	34	<10	70	0.9	<2	7.17	0.6	9	20	25	2.38	10



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Project: QB

Page: 2 - B  
Total # of Pages: 2 (A - C)  
Finalized Date: 23-NOV-2006  
Account: MTT

## CERTIFICATE OF ANALYSIS VA06116142

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	Ti %
		1	0.01	10	0.01	5	1	0.01	1	10	0.01	2	1	1	0.01	
QB001		<1	0.17	30	0.63	481	1	0.02	21	550	81	<0.01	<2	3	141	0.04
QB002		<1	0.28	30	0.62	583	1	0.02	18	620	99	<0.01	<2	3	175	0.05
QB003		<1	0.28	30	0.60	527	1	0.02	19	640	107	<0.01	<2	2	170	0.06
QB004		<1	0.16	30	0.86	613	<1	0.04	32	670	43	0.04	<2	3	181	0.04
QB005		<1	0.18	30	0.83	419	<1	0.02	26	550	31	0.01	<2	3	207	0.03
QB006		<1	0.15	30	1.00	572	<1	0.03	23	460	34	0.02	<2	3	245	0.04
QB007		<1	0.15	30	0.87	460	<1	0.02	24	410	34	0.02	<2	3	299	0.03
QB008		<1	0.15	30	0.77	419	<1	0.02	23	550	29	0.01	<2	3	335	0.03
QB009		<1	0.13	20	0.75	350	<1	0.03	19	510	37	0.01	<2	3	415	0.03
QB010		<1	0.12	20	0.48	278	<1	0.02	16	510	132	<0.01	<2	2	423	0.02
QB011		<1	0.13	20	0.56	182	<1	0.02	19	200	37	<0.01	<2	3	27	0.04
QB012		<1	0.27	30	0.88	408	<1	0.04	26	460	42	<0.01	<2	3	372	0.05
QB013		<1	0.30	30	0.83	398	<1	0.04	25	480	51	0.01	<2	3	462	0.05
QB014		<1	0.11	30	0.88	276	<1	0.01	31	220	36	<0.01	<2	3	23	0.03
QB015		1	0.12	60	1.00	409	<1	0.02	33	240	47	<0.01	<2	4	35	0.03
QB016		<1	0.12	30	1.06	720	<1	0.02	29	870	83	0.05	3	4	52	0.04
QB017		<1	0.24	30	0.75	433	<1	0.03	24	570	64	<0.01	<2	3	214	0.05
QB018		1	0.23	30	0.72	480	<1	0.02	24	560	62	<0.01	<2	3	159	0.04
QB019		<1	0.10	20	0.70	546	<1	0.02	22	270	43	0.01	<2	4	37	0.05
QB020		<1	0.20	30	0.74	493	<1	0.02	23	410	57	<0.01	<2	4	113	0.04
QB021		<1	0.22	30	0.72	492	<1	0.03	26	550	76	0.01	<2	4	108	0.05
QB022		<1	0.11	30	1.01	1185	<1	0.03	36	870	50	0.06	2	3	86	0.04
QB023		<1	0.13	30	0.86	837	<1	0.03	28	860	61	0.05	3	4	290	0.02
QB024		<1	0.11	20	0.63	413	<1	0.02	19	500	45	0.02	<2	2	456	0.02
QB025		<1	0.12	20	0.47	326	<1	0.02	18	600	45	<0.01	<2	2	308	0.02
QB026		<1	0.14	30	0.64	507	<1	0.02	26	600	34	0.01	<2	3	288	0.02
QB027		<1	0.07	20	0.29	421	1	0.02	11	1030	21	0.17	<2	1	184	0.02
QB028		1	0.25	30	0.83	498	<1	0.07	27	570	62	0.01	2	3	195	0.06
QB029		1	0.33	30	0.80	475	<1	0.02	27	540	52	<0.01	<2	3	195	0.06
QB030		<1	0.23	30	0.75	410	<1	0.03	24	470	54	0.01	<2	3	262	0.04
QB031		<1	0.31	30	0.85	449	<1	0.03	26	540	52	<0.01	<2	4	271	0.06
QB032		<1	0.28	30	0.73	419	<1	0.04	20	560	60	0.01	<2	3	300	0.05



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Page: 2 - C

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## CERTIFICATE OF ANALYSIS VA06116142

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
QB001		<10	<10	19	<10	238
QB002		<10	<10	19	<10	290
QB003		<10	<10	18	<10	301
QB004		<10	<10	21	<10	209
QB005		<10	<10	17	<10	146
QB006		<10	<10	18	<10	141
QB007		<10	<10	19	<10	198
QB008		<10	<10	15	<10	220
QB009		<10	<10	13	<10	159
QB010		<10	<10	9	<10	151
QB011		<10	<10	25	<10	81
QB012		<10	<10	22	<10	136
QB013		<10	<10	21	<10	157
QB014		<10	<10	30	<10	109
QB015		<10	<10	27	<10	126
QB016		<10	<10	24	<10	407
QB017		<10	<10	19	<10	241
QB018		<10	<10	18	<10	219
QB019		<10	<10	29	<10	218
QB020		<10	<10	20	<10	177
QB021		<10	<10	19	<10	227
QB022		<10	<10	22	<10	236
QB023		<10	<10	14	<10	245
QB024		<10	<10	10	<10	163
QB025		<10	<10	10	<10	142
QB026		<10	<10	11	<10	130
QB027		<10	10	9	<10	161
QB028		<10	<10	23	<10	216
QB029		<10	<10	23	<10	239
QB030		<10	<10	19	<10	185
QB031		<10	<10	22	<10	207
QB032		<10	<10	18	<10	252

**APPENDIX III**  
**ROCK SAMPLE DESCRIPTIONS**

Rock Sample Descriptions		Project: Rancheria Ag		Property: QB	
Sample Number: B376601	Grid East: 419708 UTM: 419708 E Elevation: m	Grid North: 6699338 UTM: 6699338 N	N	Type: grab	Dimension: 40cm x 50cm Abundance:
Comments: Cobble of foliated schist with strong limonitic laminations parallel to foliation. Minor sections with residual sections of semi massive sulphides (py) sample taken from trench 1					
Sample Number: B376602	Grid East: 419708 UTM: 419708 E Elevation: m	Grid North: 6699338 UTM: 6699338 N	N	Type: grab	Dimension: 10cm*25cm Abundance: float
Comments: strongly pyritic and oxidized intrusive.sample taken from trench 1					
Sample Number: B376603	Grid East: 418593 UTM: 418593 E Elevation: m	Grid North: 6699236 UTM: 6699236 N	N	Type: grab	Dimension: Abundance: float
Comments: limestone flooded intrusive with minor pockets of sphalerite and trace galena. Very small cobble 10cm X 5 cm taken from base of trench 3					
Sample Number: B376604	Grid East: 418476 UTM: 418476 E Elevation: m	Grid North: 6699177 UTM: 6699177 N	N	Type: grab	Dimension: Abundance: float
Comments: qtz mica schist with moderate py in fractures. Taken from trench 4					
Sample Number: B376605	Grid East: 418476 UTM: 418476 E Elevation: m	Grid North: 6699177 UTM: 6699177 N	N	Type: grab	Dimension: 5cm*10cm*10cm Abundance: float
Comments: limonitic remnant cobble with semi massive py and sphal taken from trench 4					
Sample Number: B376606	Grid East: 418476 UTM: 418476 E Elevation: m	Grid North: 6699177 UTM: 6699177 N	N	Type: grab	Dimension: Abundance: float on surface
Comments: limey muscovite qtz schist with weak calc silicate alteration. Mineralized with blebby pyrite and pyrrhotite with irregular clots with lesser foliaform sphalerite. Taken from top of site where trench 4 was later located.					
Sample Number: B376607	Grid East: 419466 UTM: 419466 E Elevation: m	Grid North: 6699522 UTM: 6699522 N	N	Type: grab	Dimension: Abundance:
Comments: seep in swamp below trench. Rusty weathering massive sulphide boulder. Massive sulphide consists of massive galena py with lesser sphal. Dominant clots with crudely banded. Note on one piece of sulphide shws parallel muscovite schist banding. With rep.					
Sample Number: B376608	Grid East: 419466 UTM: 419466 E Elevation: m	Grid North: 6699522 UTM: 6699522 N	N	Type: grab	Dimension: 15cm*25cm Abundance: float
Comments: From side of trench well above 607. Angular boulder of massive fine grained py and pyrr with thin parallel bands of fine grained galena.					
Sample Number: B376609	Grid East: 419466 UTM: 419466 E Elevation: m	Grid North: 6699522 UTM: 6699522 N	N	Type: grab	Dimension: 10cm*25cm Abundance: float
Comments: py sphal dom in xcutting fractures. host is limey schist. Same site as 376608					