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ASSESSMENT REPORT

describing

PROSPECTING AND SOIL GEOCHEMISTRY

at the

JAKE PROPERTY

Jake 1-8 YC29793-YC29800
9-16 YC31201-YC31208

NTS 105G/16
Latitude 61°46'N; Longitude 131°02'W

in the

Watson Lake Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

W.A. Wengzynowski, P.Eng.
March 2007

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
HISTORY	1
GEOMORPHOLOGY	2
GEOLOGY	2
MINERALIZATION	3
SOIL GEOCHEMISTRY	4
CONCLUSIONS AND RECOMMENDATIONS	5
SELECTED REFERENCES	7

APPENDICES

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

FIGURES

<u>NO.</u>	<u>DESCRIPTION</u>	<u>FOLLOWING PAGE</u>
1	Property Location	1
2	Claim Location	1
3	Tectonic Setting	2
4	Property Geology	3
5	Rock Sample Locations and Results	4
6	Soil Sample Location	5
7	Silver Geochemistry	5
8	Copper Geochemistry	5
9	Lead Geochemistry	5
10	Zinc Geochemistry	5

TABLE

I	Selected Geochemical Data	8
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INTRODUCTION

The Jake property was staked in spring 2006 following a research study that identified prospective silver targets in Yukon. The property is owned 100% by Strategic Metals Ltd.

This report describes exploration conducted in summer 2006 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The work consisted of prospecting and soil sampling done by a two to three person crew from a helicopter supported fly camp on the property. The author participated in and supervised the program. Appendix I contains the author's Statement of Qualifications.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Jake property consists of 16 contiguous mineral claims located in southeastern Yukon at latitude 61°46'N; longitude 131°02'W on NTS map sheet 105G/16 (Figure 1). The claims are registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited, which holds them in trust for Strategic Metals. Claim registration data are listed below while the locations of individual claims are shown on Figure 2.

<u>Claim Number</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Jake 1-8	YC29793-YC29800	March 2, 2012
9-16	YC31201-YC31208	March 2, 2012

* Expiry dates include 2006 work which has been filed for assessment credit but not yet accepted.

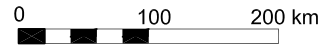
The Jake claims lie approximately 125 km due east of the village of Ross River at 295 northeast of the city of Whitehorse. The closest road is the Robert Campbell Highway, which is 20 km south of the property. A bulldozer trail extends from the Robert Campbell Highway to an airstrip at a fishing lodge on McEvoy Lake, 5 km east of the claim block. During summer months, a helicopter and float plane are often available for contract at the fishing lodge. In 2006 the property was accessed via a Bell 206 B helicopter operated by Trans North Helicopters from its permanent base in Ross River, using a temporary staging area at Finlayson Lake on the Robert Campbell Highway.

HISTORY

The area of interest was first staked as the Jake claims by Atlas Explorations Ltd. in 1966. Atlas mapped over 20 base metal showings and conducted geochemical and geophysical surveys across the claim block. It reported a 450 m long east-west trending geochemical anomaly, a 1.6 km long magnetic anomaly and rock assays up to 490 g/t Ag, 16.2% Cu, 9.2% Pb, and 3.6% Zn.

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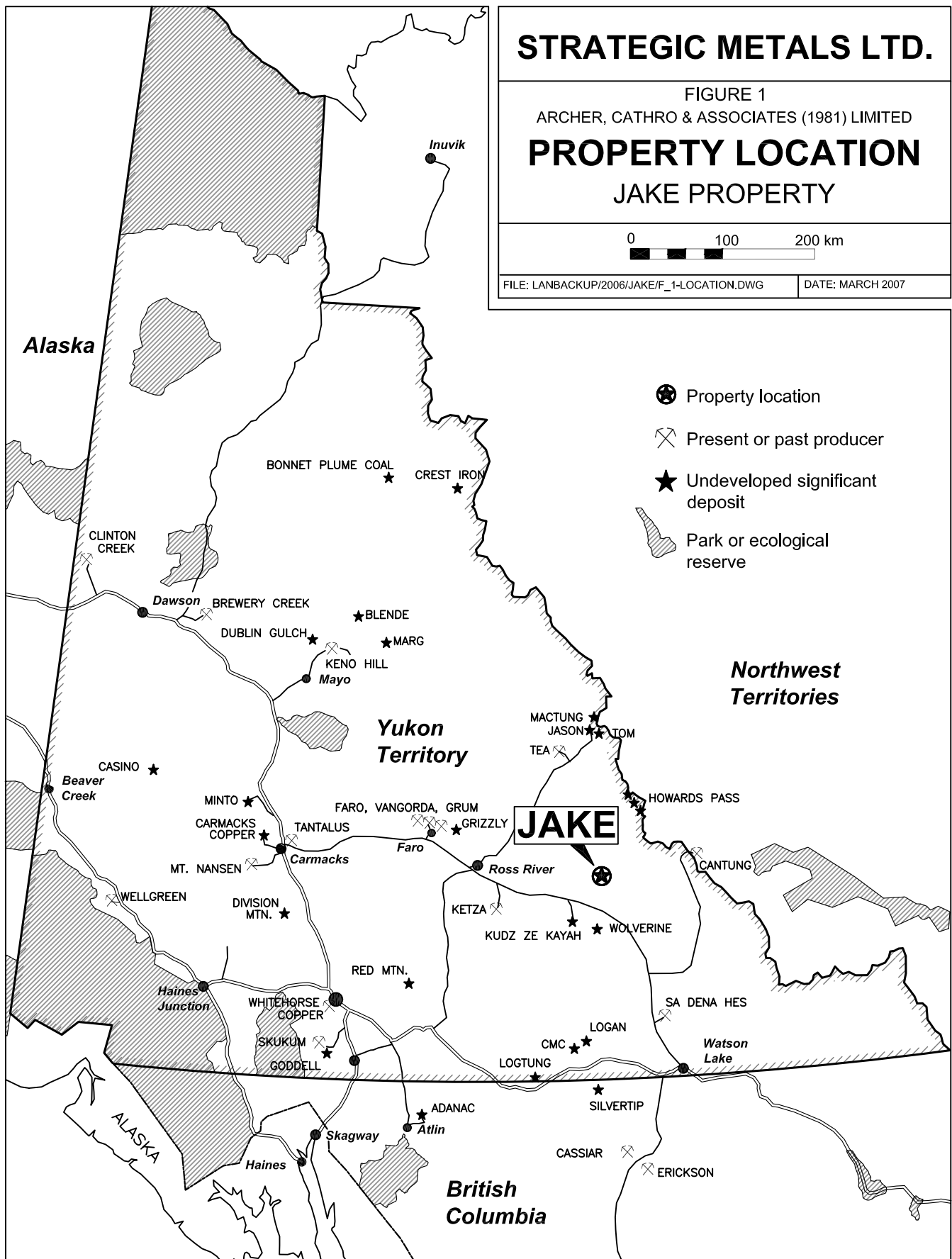
FIGURE 1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
JAKE PROPERTY

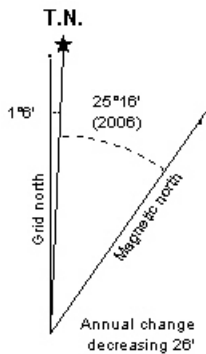
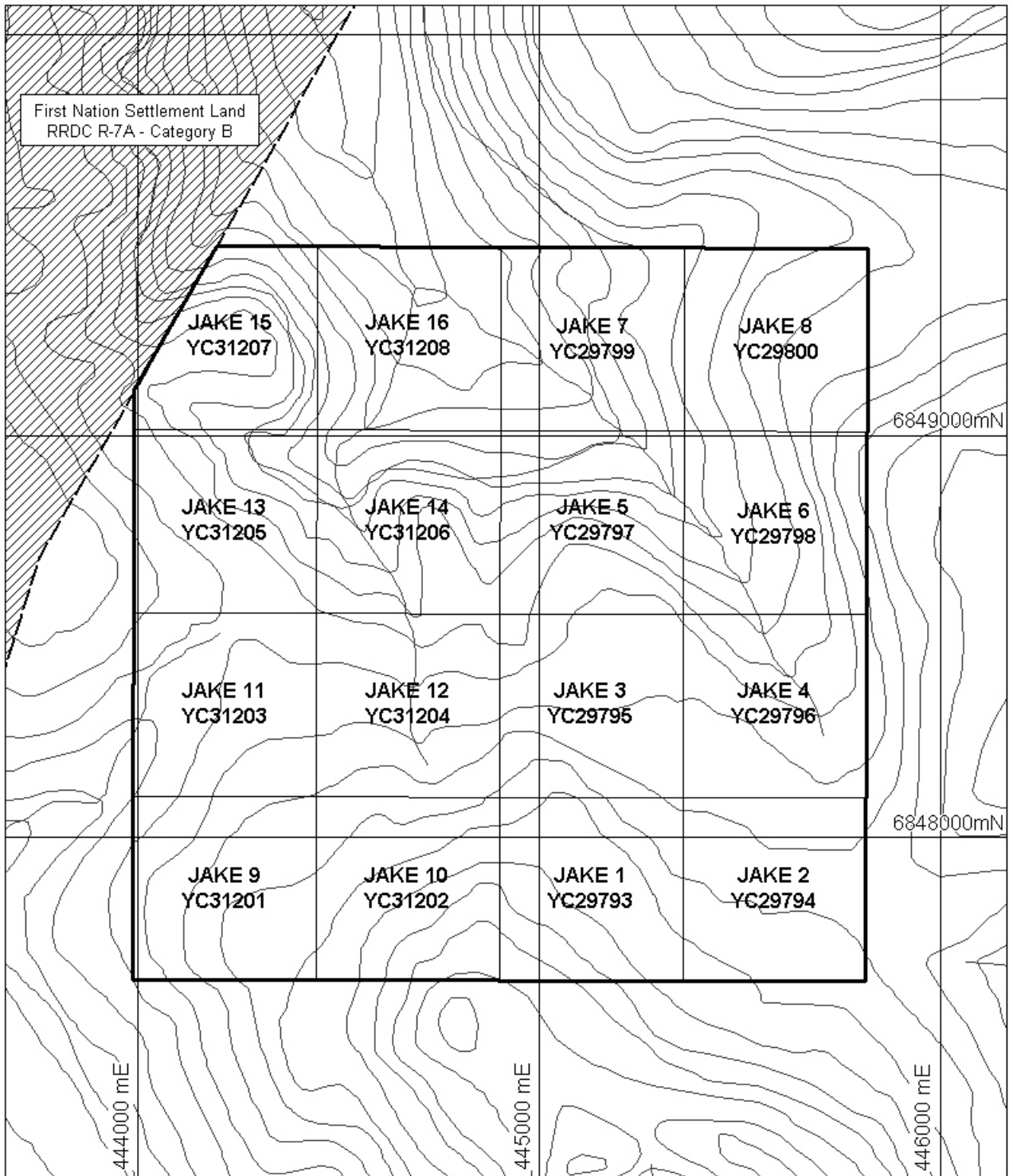


FILE: LANBACKUP/2006/JAKE/F_1-LOCATION.DWG

DATE: MARCH 2007

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



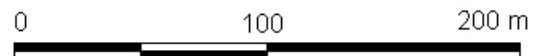


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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION JAKE PROPERTY



UTM Zone 9, NAD83, NTS 105G/16

FILE: .../LANBACKUP/JAKE/CLAIM.WOR

DATE: MARCH 2007

The property was restaked in 1978 by an independent prospector but no work was reported. In 1994 the area was again restaked and in 1995 those claims were optioned to Pacific Bay Minerals Ltd. Pacific Bay explored that year in a north-south trending U-shaped valley located in the north-central part of the current claim block (Wesa, 1996). Prospecting discovered trace to minor sulphide mineralization in structural zone within argillite and quartzite. An airborne geophysical survey outlined three magnetic highs, four conductors and a resistivity low. A 1600 by 1000 m area of anomalous zinc, lead, silver and copper soil geochemistry was also outlined around the main area of mineralization, which was theorized to be related to a buried porphyry deposit.

GEOMORPHOLOGY

The claims lie in the Pelly Mountains, 75 km northeast of the Tintina Trench. The main drainages on the property run north into McEvoy Lake and from there into the Finlayson River, which is part of the Yukon River watershed.

Local topography is modified by Pleistocene to Recent, valley and alpine glaciation. The northern part of the property features broad northerly trending, U-shaped valleys flanked by steep ridges. Deeply incised gullies project into gently rolling grassy uplands, which underlie the southern part of the property. Elevations range from 1250 m in the valleys to 1890 m atop a peak that rises above the uplands.

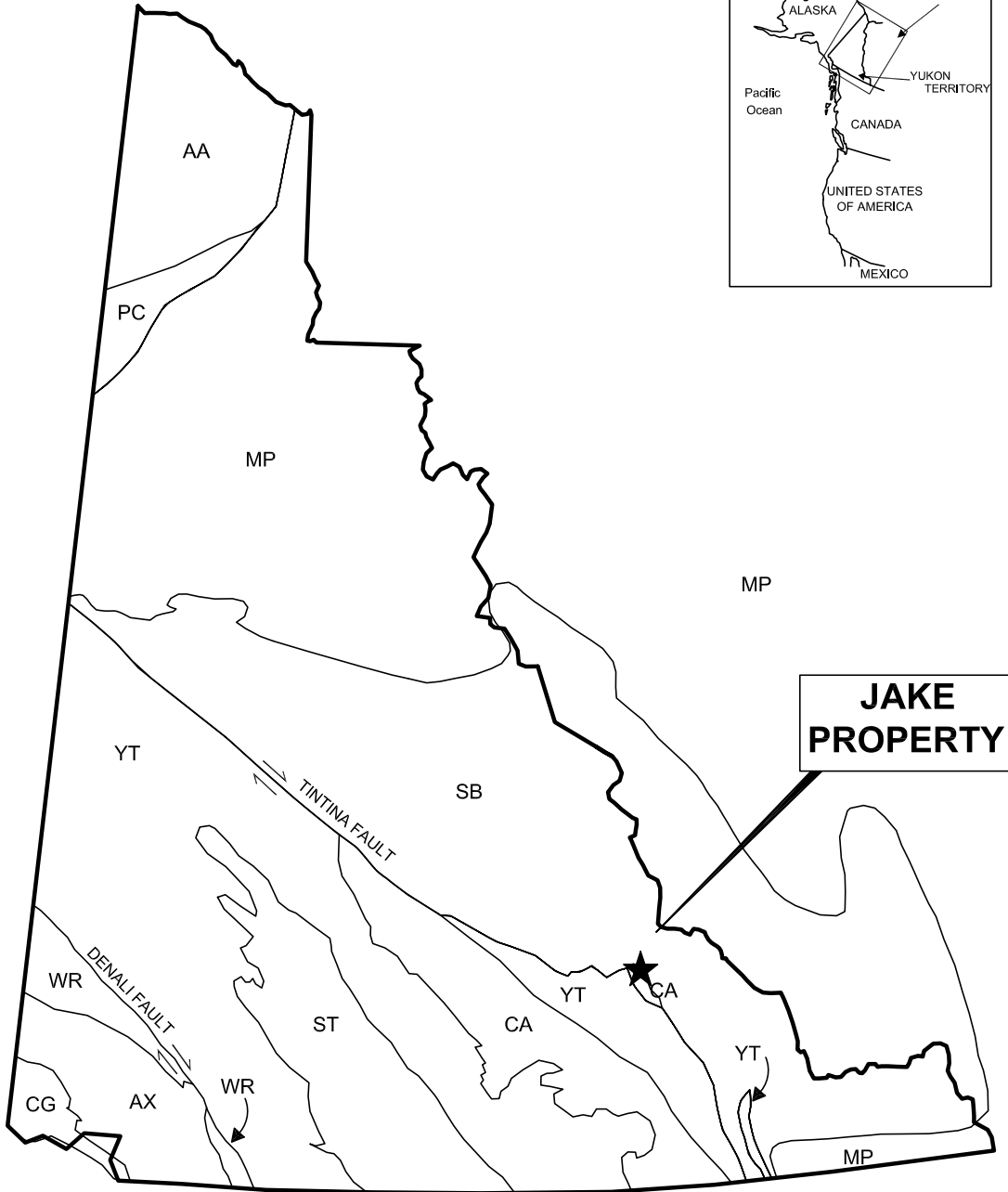
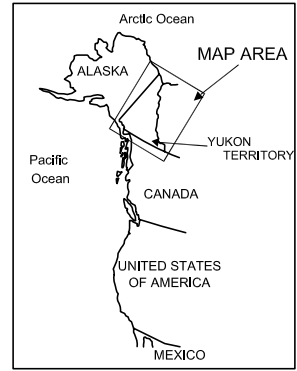
Tree line in the area is at about 1400 m with willow, alder and spruce on lower slopes gradually giving way to buckbrush and stunted spruce and finally grass and lichen above 1500 m. Most of the property is above 1500 m and much of it is blanketed with talus, felsenmeer or grassy soil. Bedrock is most abundant along ridge lines and creek cuts.

GEOLOGY

The Jake property is underlain by a shallow miogeoclinal sequence of upper Proterozoic to Mississippian age carbonate and clastic sedimentary rocks of Cassiar Platform tectonic element (Gordey and Makepeace, 1999) as shown on Figure 3. These rocks are intruded by Mid-Cretaceous granitic intrusions of the Tay River Plutonic Suite (Mortensen et al., 2000). The Cassiar Platform rocks lie southwest of predominantly clastic rocks of the Selwyn Basin and northeast of the Yukon-Tanana Terrane, an accreted island arc assemblage containing bimodal volcanics, coeval plutons and sedimentary rocks.

Stratigraphy in the vicinity of the claim block exhibits moderate folding that generally strikes southwest and dips gently to moderately to the northwest. Small-scale isoclinal folding is observed locally throughout the property. The main fracture set is aligned west-northwesterly and dips steeply (between 70 to 85 degrees) to the south-southwest.

Major and secondary structures are present on the property, as steep normal faults or high angle reverse faults. Their surface traces are marked by escarpments on steep hillsides and by deeply incised drainages. Local fracturing, brecciation, and quartz-carbonate stockwork veining and alteration are mapped around the fault zones.



ANCESTRAL NORTH AMERICA

MP Mackenzie Platform

SB Selwyn Basin

TERRANES
Displaced Continental Margin

AA Arctic Alaska

CA Cassiar

PC Porcupine

Pericratonic Terranes

YT Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

ST Stikinia / Cache Creek

AX Alexander

WR Wrangellia

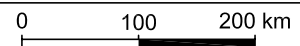
CG Chugach

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FIGURE 3

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TECTONIC SETTING
JAKE PROPERTY



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FILE: ...FIG 03 - TECTONIC SETTING

DATE: MARCH 2007

Figure 4 illustrates geology in the core of the property as mapped by Pacific Bay in 1996 and modified by Strategic Metals in 2006. The following paragraphs describe the main rock units on the property.

Unit 1 rocks are assigned to the Kechika Group and are Cambrian to Ordovician in age. They consist of orange-brown weathering, recessive slate, slaty phyllite, dolomitic phyllite/slate, chert, greywacke and shaly/phyllitic quartzite.

Unit 2 is composed of dolomitic siltstone and silty dolostone with shaly siltstone and assorted fine grain clastic sediments, all of which are Silurian in age.

Unit 3 rocks are Silurian to Lower Devonian, laminated to sucrosic dolostone, shaly dolostone and assorted politic and immature quartzite. This is the most abundant unit on the property.

Unit 4 is also Silurian to Lower Devonian in age but overlie unit 3 in the central and west-central parts of the property. It comprises recessive, dark grey to black weathering, thinly bedded, calcareous, graphitic siltstone with gradational lenses of dolostone, quartzite and dolomitized mudstone.

Unit 5 consists of dykes that are homogenous to porphyritic in texture and felsic to intermediate composition. The dyke are Mid-Cretaceous in age and may represent the upper portion of a larger buried intrusion because the area is marked by a weak magnetic high on regional surveys (GSC, 1961).

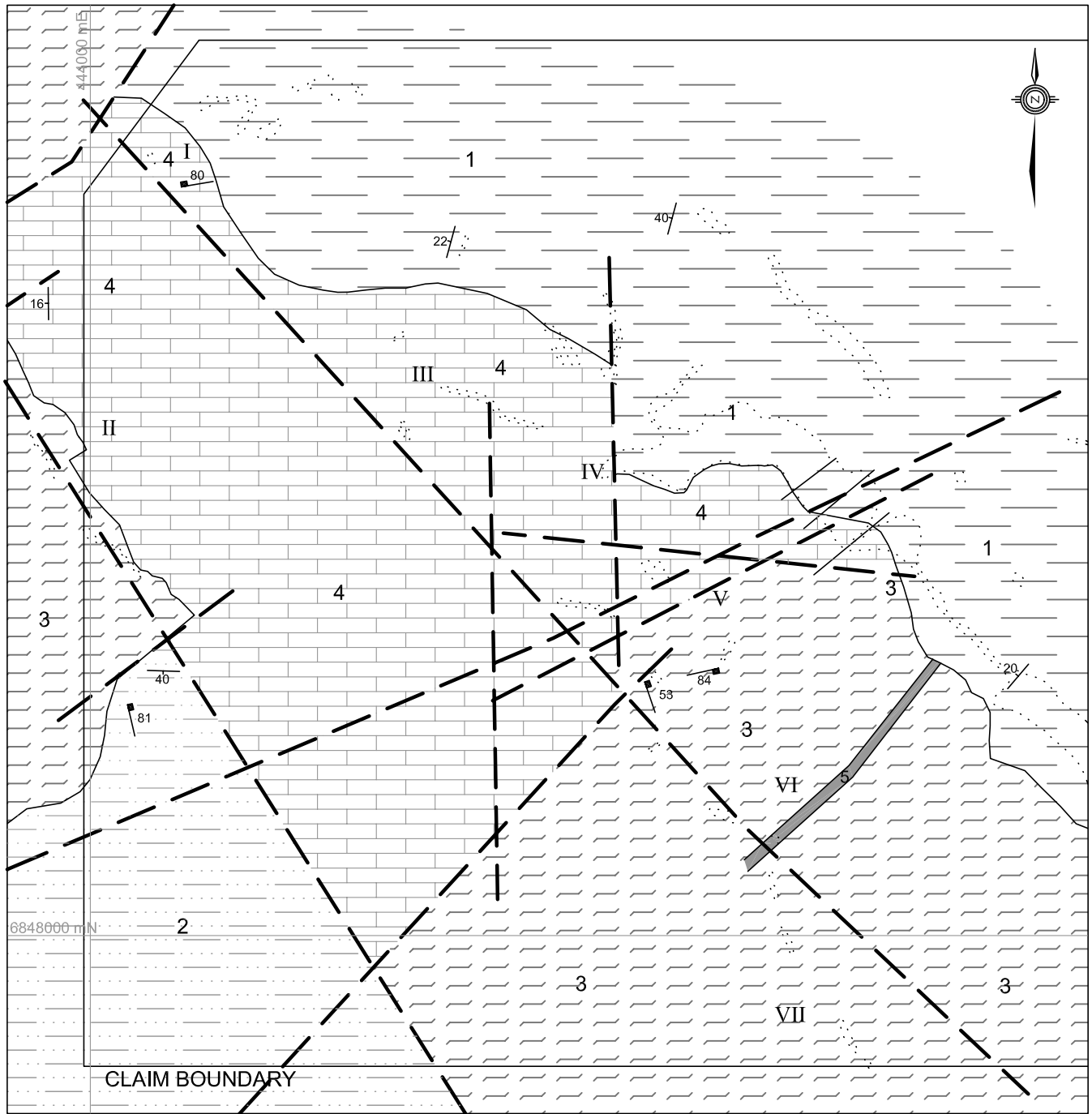
Quartz veins and breccia are common throughout the property. The quartz veins are generally barren and bull white in nature. The breccias exhibit moderate to strong limonitic alteration and are composed of phyllite and quartzite clasts in a calcite cement. Quartz veins cut steeply across foliation generally along the main fracture orientation. Due to the recessive nature of the breccias, none were observed in outcrop.

Rocks underlying the claim block are locally altered within and adjacent to fault zones. Silicification and carbonization are most common but minor limonite, talc, sericite and chlorite are also observed.

MINERALIZATION

The 2006 program focused on defining the styles of mineralization, relocating and mapping previously reported showings and expanding the area of mineralization through prospecting.

A total of 21 chip and float specimens were taken mainly from ridge tops and scree slopes. All rock samples were sent to ALS Chemex in North Vancouver where they were crushed and ring pulverized then routinely analyzed for 34 elements using the induced coupled plasma-atomic emission spectroscopy technique (ME-ICP41). Samples exceeding geochemical detection limits were later assayed for gold, silver, lead, zinc



CRETACEOUS

Felsic to intermediate and quartz-feldspar dykes

SILURIAN TO LOWER DEVONIAN

Calcareous to dolomitic, graphitic siltstone, graphitic shale/slate, laminated mudstone, sucrosic dolostone, dolomitized calc-arenite, silty and sandy dolostone, orthoquartzite

Laminated to sucrosic dolostone, shaly siltstone and assorted pelitic and impure quartzitic sediments

SILURIAN

Dolomitic siltstone and silty dolostone, shaly siltstone and assorted pelitic and impure quartzitic sediments

UPPER CAMBRIAN TO ORDOVICIAN

Orange-brown to grey weathering slate, phyllite, siliceous shale, calcareous to dolomitic phyllite, chert, greywacke

Fault

Inferred contact

Outcrop

80 Joint or fracture orientation

20 Bedding orientation

I Showing referred to in text

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY
JAKE PROPERTY

0 500 m

DRAWN/REVISED BY: TCB

FILE: ...FIG 04 - PROPERTY GEOLOGY

DATE: MARCH 2007

and/or copper as required. Sample locations and significant assay results are shown on Figure 5. Appendix II features rock descriptions while Appendix III contains Certificates of Analysis.

The two main types of mineralization are present: (1) skarn and (2) quartz stockwork, breccia or vein. Galena and sphalerite occurs as blebs, disseminations and fracture fillings within weakly to moderately skarnified metasediments and structurally controlled breccias. Alteration of sphalerite to hydrozincite is common. Chalcopyrite is rare and occurs as fine disseminations and fracture fillings. The main mineral occurrences are described as follows and their locations are shown on Figure 5.

Showing I is an outcrop characterized by limonitic silica altered argillaceous phyllite. Sample B374437 is a select grab sample taken from the most limonite altered section of the outcrop. It returned 1425 g/t Ag, 1.05 % Cu, 10.65 % Pb and 1.54 % Zn. No historical samples are reported from this area.

Showing II represents a 10 m wide area of skarn float consisting of strongly limonitized cobbles with blebs and stringers of galena. Sample B374430 returned values of 9.7 g/t Ag and 5.4 % Pb.

Showing III comprises skarn mineralization containing limonite, manganese, hydrozincite and stringers of galena. Minor remnant sphalerite is also present. Numerous quartz veins were noted in the area. Sample B374426 was a specimen of quartz veined phyllite that returned 199 g/t Ag, 0.89 % Cu, 0.98 % Pb and 6.51 % Zn.

Showing IV is a fault breccia, which has not been seen in outcrop but is relatively abundant float boulders over a 10 m distance along a hillside. Mineralization varies from disseminated to coarsely granular sphalerite and galena in breccia boulders primarily composed of quartz, limonite and carbonate. Sample B374435 returned 4.44% Zn. Historical assays in this area returned maximum values of 143.3 g/t. Ag and 1.25% Cu and 1.6 % Zn.

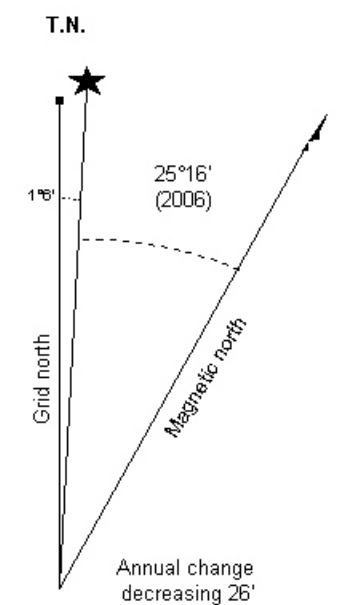
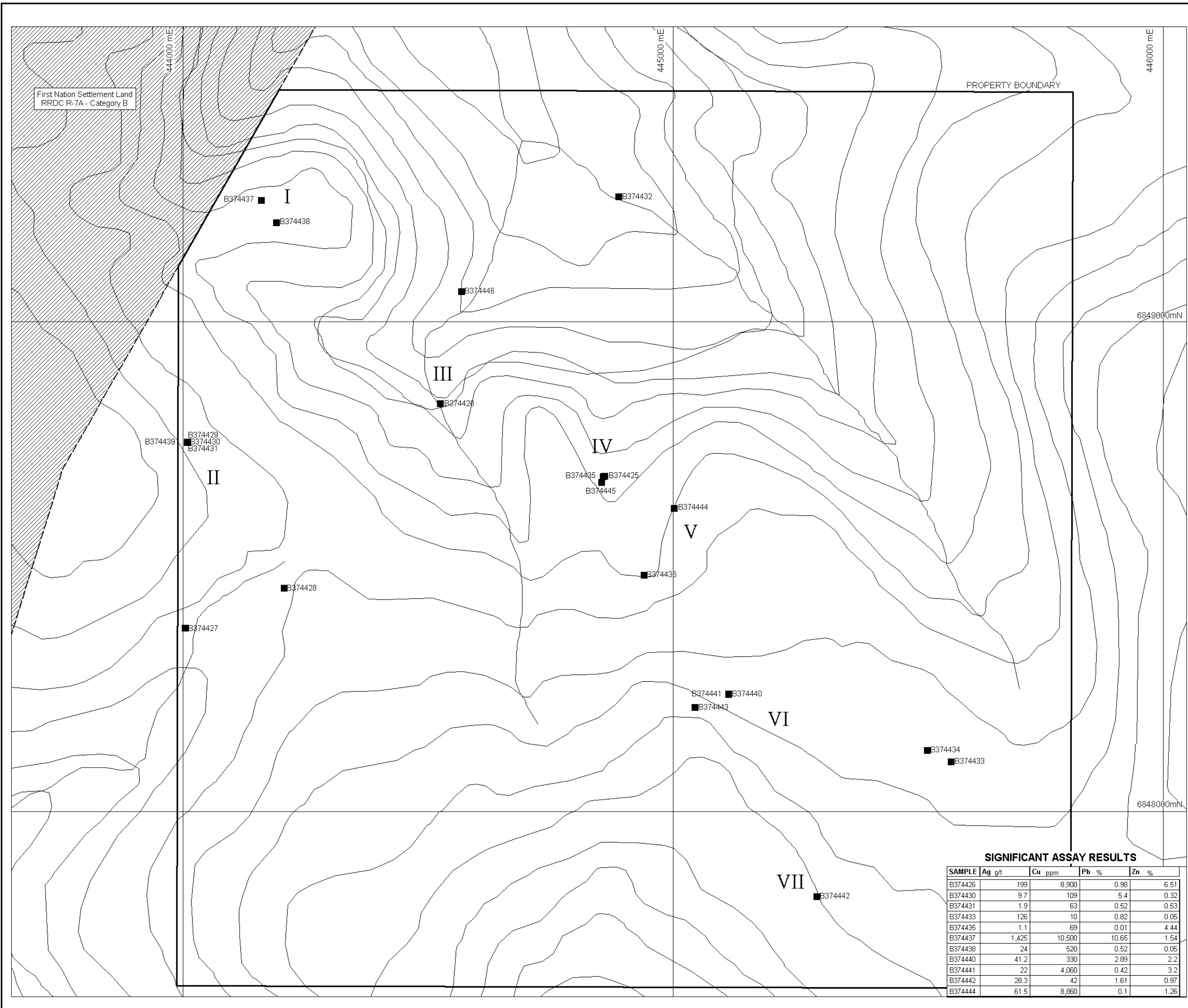
Showing V, consists of skarnified calc-silicate float hosting pervasive chalcopyrite and galena. Secondary malachite and hydrozincite stain the float. Sample B374444 returned 61.5 g/t Ag, 0.89% Cu and 1.26 % Zn.

Showing VI hosts similar mineralization to Showing V. The best sample from it assayed 41.2 g/t Ag, 2.89% Pb and 22% Zn (B374440).

Showing VII features galena and sphalerite in dolomitic quartzite float cobbles. Sample B374442 returned 28.3 g/t Ag, 1.61 % Pb and 0.97 % Zn.

SOIL GEOCHEMISTRY

The soil sampling conducted by Strategic Metals was done to confirm and expand geochemical anomalies outlined by previous operators. A north-south oriented, 1200 m



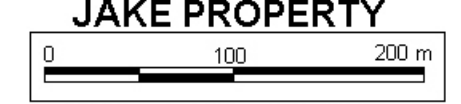
- 2006 rock sample
- I Showing referred to in text

SIGNIFICANT ASSAY RESULTS

SAMPLE	Ag g/t	Cu ppm	Pb %	Zn %
B374426	199	8,900	0.98	6.51
B374430	9.7	109	5.4	0.32
B374431	1.9	63	0.52	0.53
B374433	126	10	0.82	0.05
B374435	1.1	69	0.01	4.44
B374437	1,425	10,500	10.65	1.54
B374438	24	520	0.52	0.05
B374440	41.2	330	2.89	2.2
B374441	22	4,060	0.42	3.2
B374442	28.3	42	1.61	0.97
B374444	61.5	8,860	0.1	1.26

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FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ROCK SAMPLE LOCATIONS AND RESULTS
JAKE PROPERTY



long baseline was established, which was marked by pickets every 100 m. Samples were taken at 100 m intervals on east-west lines spaced at 100 m intervals. Sample sites are marked by 0.5 m lath bearing aluminum tags inscribed with the sample numbers.

A total of 210 soil samples were collected from the 1200 by 1400 m soil grid. Sample locations are shown in Figure 6.

All samples were sent to ALS Chemex in North Vancouver where they were screened to -80 mesh and then geochemically analyzed for 34 elements using the induced coupled plasma-atomic emission spectroscopy, and for gold by fire assay with neutron activation finish. Certificates of Analyses are in Appendix III.

Figures 7 to 10 illustrate silver, copper, lead, and zinc results, respectively. Table 1 lists threshold and peak values for each metal.

Table I – Selected Geochemical Data

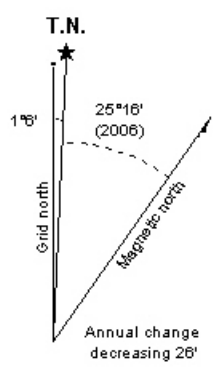
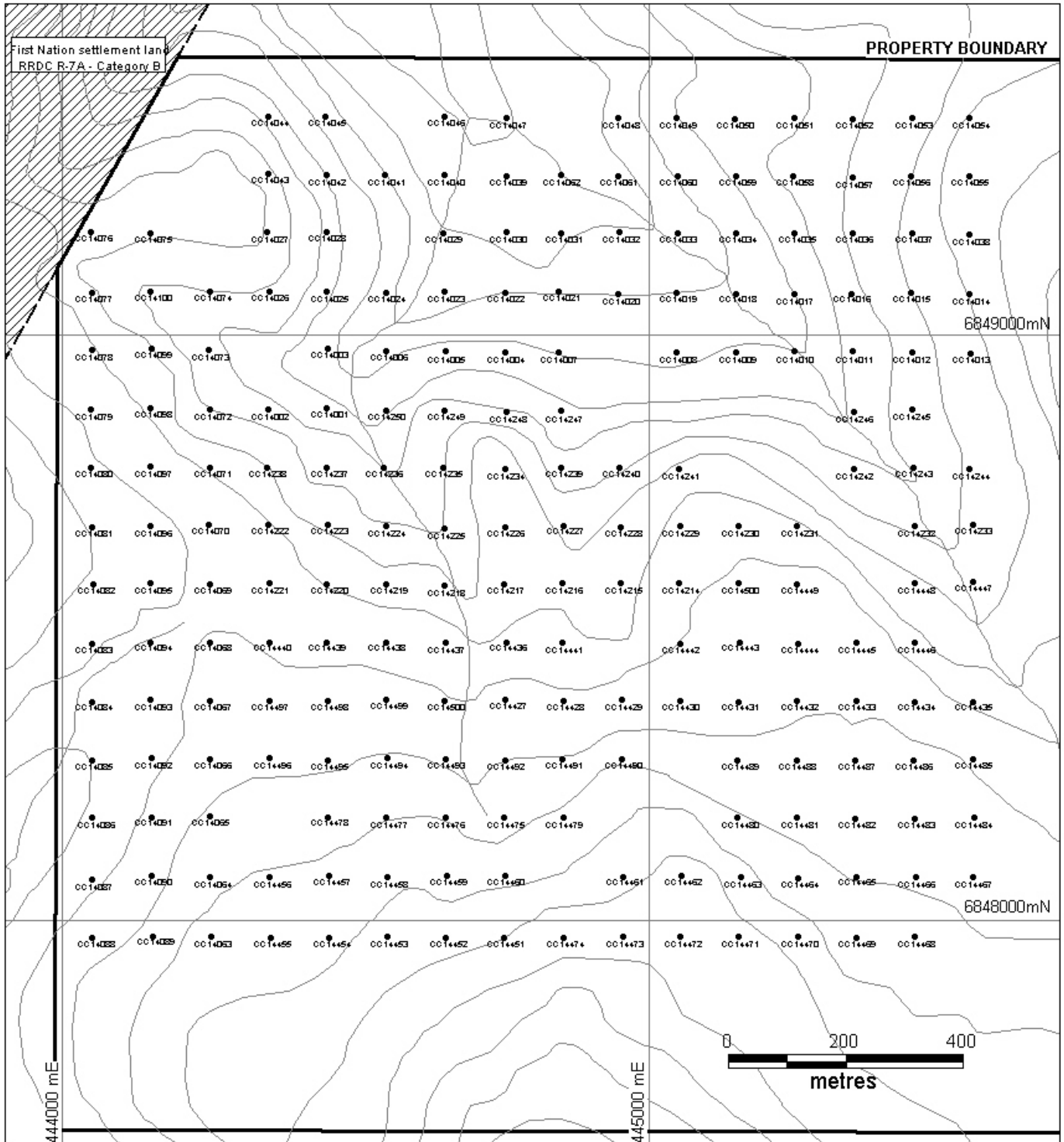
Metal	Threshold Values			Peak Value
	Weak	Moderate	Strong	
Silver	1 ppm	2 ppm	5 ppm	12.6 ppm
Lead	100 ppm	200 ppm	500 ppm	5540 ppm
Zinc	200 ppm	500 ppm	1000 ppm	4210 ppm
Copper	50 ppm	100 ppm	200 ppm	645 ppm

Silver, lead, copper and zinc show a high degree of correlation especially among moderately to strongly anomalous values. The best values are in a 700 by 500 m area, located in the central part of the property.

CONCLUSIONS AND RECOMMENDATIONS

Preliminary results from the Jake property are encouraging and support potential for a bulk tonnage silver-lead-zinc target. Mineralization was discovered in several parts of the property but lack of bedrock exposure and vegetation has frustrated prospecting. The main geochemical anomaly is located within a grassy upland plateau where there is very limited relief and almost no bedrock exposure. The soil anomalies are much stronger than was expected, considering the modest size and grade of the known showings.

The next phase of work should involve in-fill soil sampling in the vicinity of moderately to strongly anomalous samples, coupled with detailed prospecting and hand trenching. Pending favourable results HLEM and/or induced polarization surveys should be done over the most anomalous areas.



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FIGURE 6

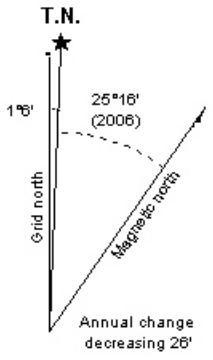
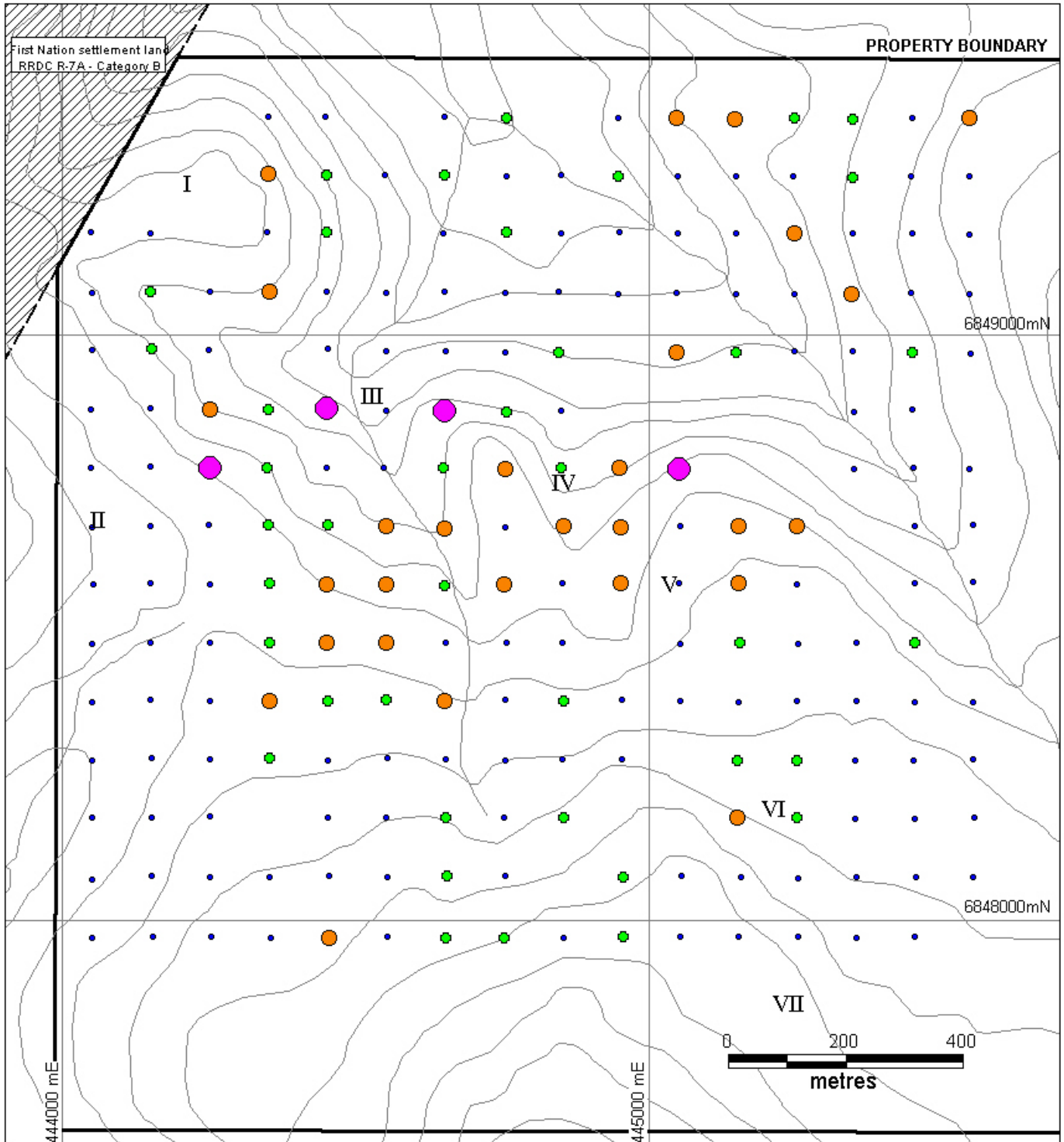
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**SOIL SAMPLE LOCATION
JAKE PROPERTY**

UTM Zone 9, NAD83, NTS 105G/16

FILE: .../2007/JAKE/Ag_GEOCHEM.WOR

DATE: MARCH 2007



I Showing referred to in text

Ag Geochemistry (ppm)

- $\geq 5 < 12$
- $\geq 2 < 5$
- $\geq 1 < 2$
- $\geq 0.1 < 1$

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FIGURE 7

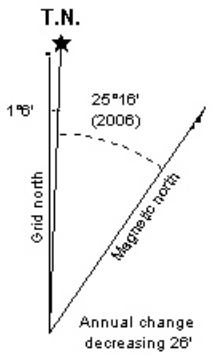
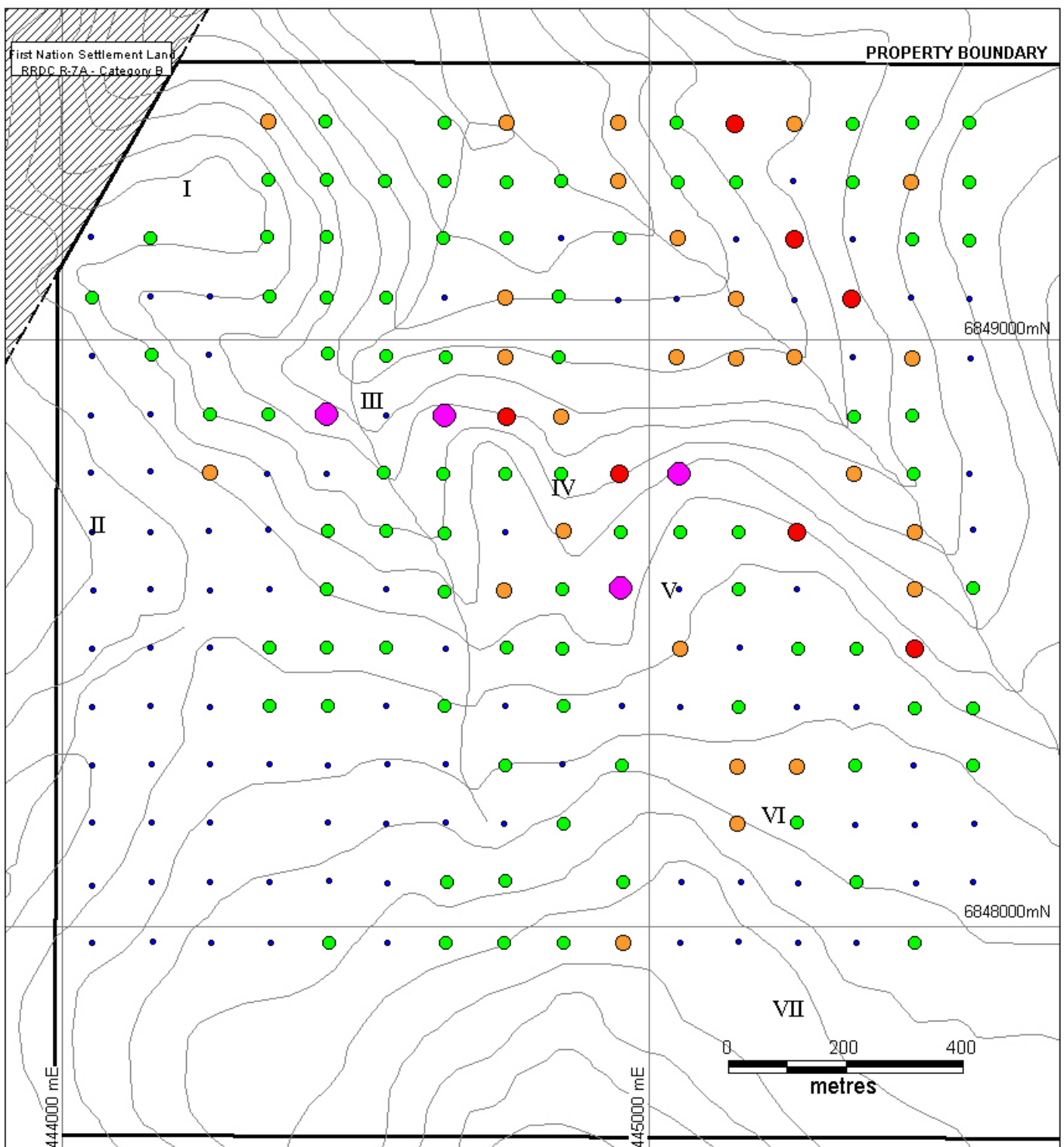
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER GEOCHEMISTRY

JAKE PROPERTY

UTM Zone 9, NAD83, NTS 105G/16

FILE: .../2007/JAKE/Ag_GEOCHEM.WOR DATE: MARCH 2007



I Showing referred to in text

Cu Geochemistry (ppm)

- $\geq 400 < 645$
- $\geq 200 < 400$
- $\geq 100 < 200$
- $\geq 50 < 100$
- $\geq 5 < 50$

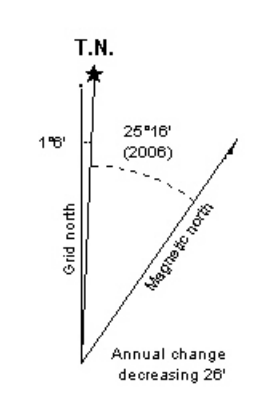
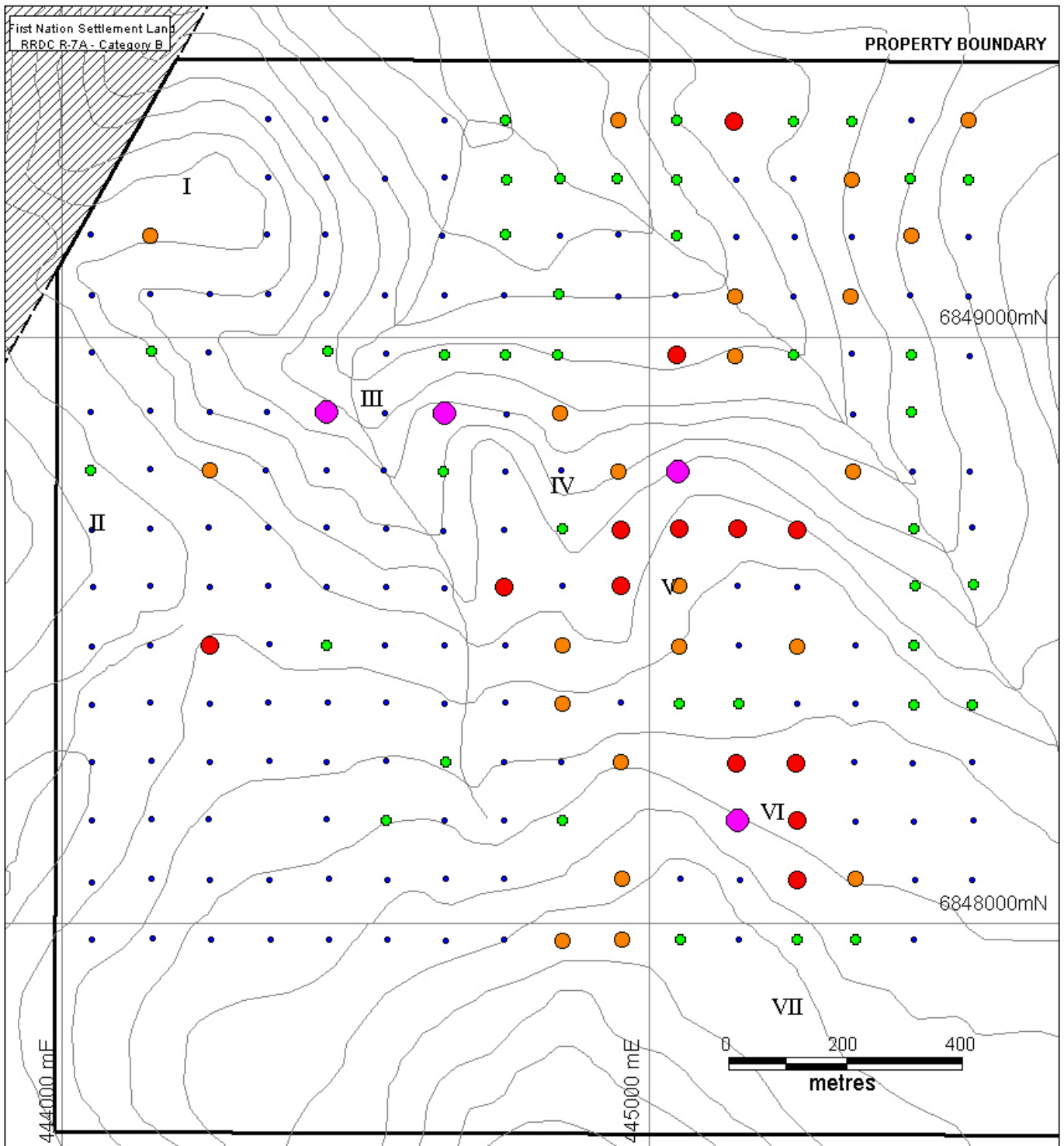
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FIGURE 8
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COPPER GEOCHEMISTRY
JAKE PROPERTY

UTM Zone 9, NAD83, NTS 105G/16

FILE: .../2007/JAKE/Cu_GEOCHEM.WOR DATE: MARCH 2007



I Showing referred to in text

Pb Geochemistry (ppm)	
●	≥ 1,000 < 5,540
●	≥ 500 < 1,000
●	≥ 200 < 500
●	≥ 100 < 200
●	≥ 0 < 100

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FIGURE 9

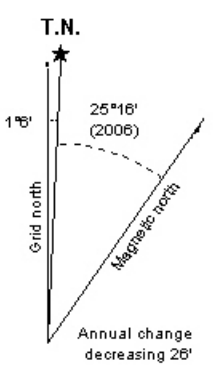
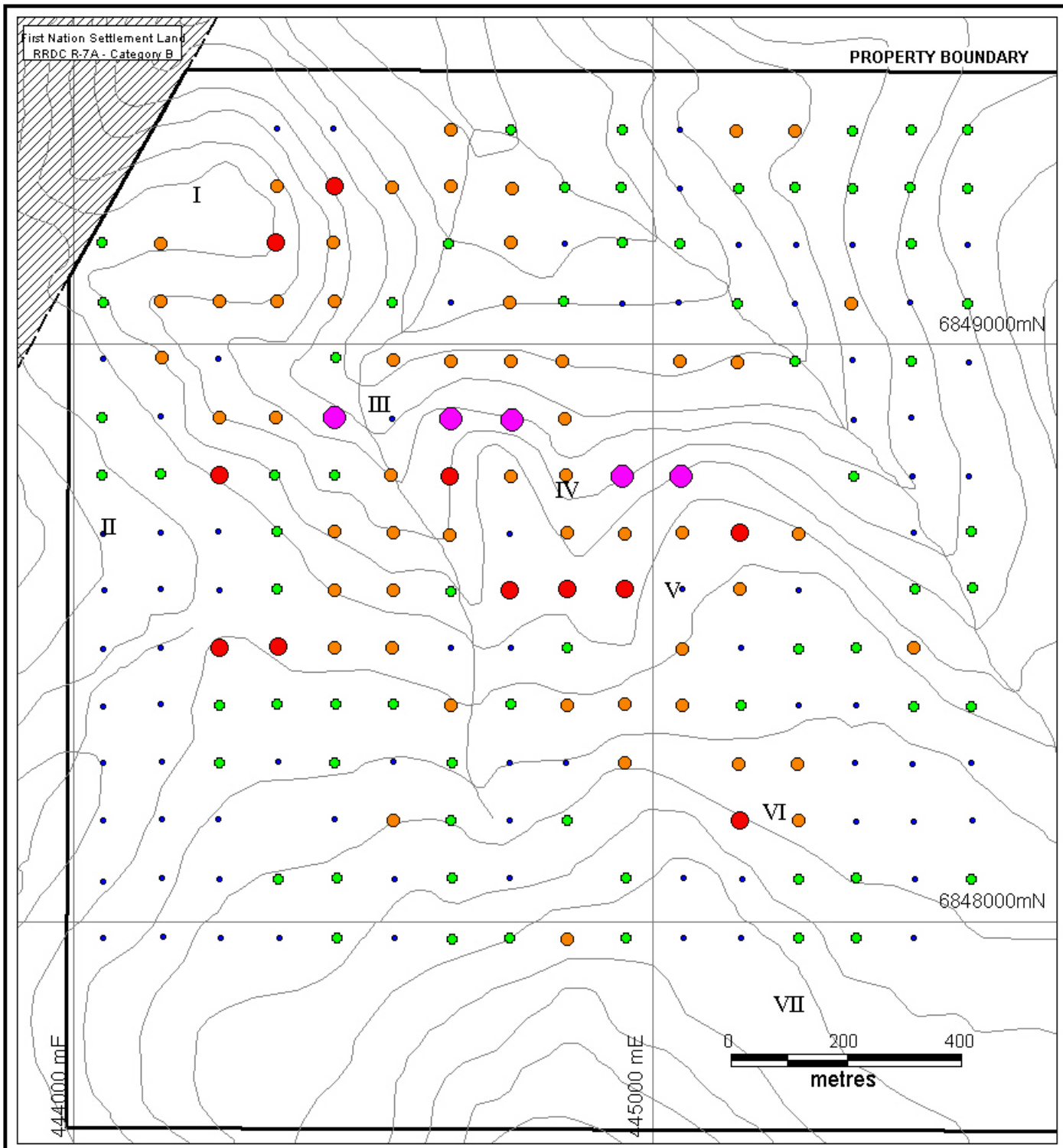
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LEAD GEOCHEMISTRY

JAKE PROPERTY

UTM Zone 9, NAD83, NTS 105G/16

FILE: .../LANBACKUP/JAKE/CLAIM.WOR	DATE: MARCH 2007
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I Showing referred to in text

Zn Geochemistry (ppm)	
●	≥ 2,000 < 4,210
●	≥ 1,000 < 2,000
●	≥ 500 < 1,000
●	≥ 200 < 500
●	≥ 0 < 200

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FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

JAKE PROPERTY

UTM Zone 9, NAD83, NTS 105G/16

FILE: .../LANBACKUP/JAKE/CLAIM.WOR

DATE: MARCH 2007

Respectively submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in cursive script, appearing to read 'W.A. Wengzynowski'.

W.A. Wengzynowski, P.Eng.

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GSC

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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
ROCK DESCRIPTIONS

ATTITUDES (X) 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS
 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

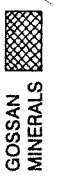
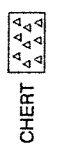
Project JAKE	NTS 105G/16	Scale	Page 1 of 3	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 25/06	photo no. NAD 83	Cert. Nos		

OBJECTIVE: To sample up the central stream to the S, then down the W fork of the main stream to the N, back to camp.

NOTE: Much of the actual creekbeds were snow-covered, so I prospected the side outcrops and float, where they occurred.

- Δ 1: 444801, 6849139
- 15m long x 2m high outcrop in creek bed on W side
 - Fractures: 349/66, 082/80
 - bedding: 173/33 to 42
 - light gray, finely interbedded quartz + argillite banded phyllite. Some patches brown-weathered due to dissem. $p\beta > p\gamma$ in qtz-rich layers (slightly magnetic)
 - on E side of cr., argillaceous phyllite, stratigraphically underlying banded phyllite
 - rep samples taken of both banded + argillaceous phyllites
 - more outcrop of banded phyllite 10m upstream (7m long x 4m across)
- Δ 2: 444855, 6849025
- more o/c of banded phyllite interlayered w argillaceous phyllite. 8m across at lower end, steepens into cliffs at upper end
 - 3 photos taken (1 of o/c, 1 of camp, 1 of property)
 - weathered brown-red in places
- Δ 3: 444864, 6848963
- argillaceous phyllite w minor interlayered qtz
 - bedding 188/55
 - minor dissem. + fracture filling $p\gamma$ + $p\beta$ in qtz layers
 - 20m upstream, malachite stained argillaceous phyllite w minor (3mm) calcite veins. Local to a 10x10cm area, no visible cp
- Δ 4: 444851, 6848933 in o/c
- on W side of cr., more brown-stained banded phyllite¹, in float limonitic musc. schist (1 lg. cobbles)
 - bedding of o/c: 181/35
- Δ 5: 444893, 6848890
- calcite veining along fractures in argillaceous phyllite. 1mm to 2cm ac
 - 20m upstream on E side, gray banded phyllite weathered brown w minor fracture filling + dissem. $p\beta$ in float

Project JAKE	NTS	Scale	Page 2 of 3	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 25 / 06	photo no.	Cert. Nos		



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

DEFINED --- INFERRED --- ASSUMED

- $\Delta 6$: 444843, 6848759

 - outcrop of argillaceous phyllite, 5m wide (N-S)
 - bedding 149/43
 - fracture 260/85
- $\Delta 7$: 444841, 6848730

 - banded phyllite, qtz-rich
 - slight folding
 - localized p ϕ
 - 20m upstream: banded quartzite overlies phyllite. Rep taken
- $\Delta 8$: 444854, 6848671 ($\pm 16m$)

B374425 - **SE-JK-01** 1 pc. 10x5 cm orange-brown limonitic banded phyllite w one v. small area of malachite staining
- $\Delta 9$: 444877, 6848619

 - med. gray v. qtz rich banded phyllite
 - no visible mzn
 - outcrop ~ 10m long (NW), narrow.
- $\Delta 10$: 444829, 6848547

 - 1 sm. piece quartzite in float w orange-brown limonitic parts, tra cpy, p ϕ
 - just to N is outcrop of quartzite, along base of o/c + s/c \rightarrow float of quartzite w dissem. p ϕ
 - scree / dirt slope consisting largely of gray quartzite, weathered brown w dissem. p ϕ + py. A few LS cobbles ~ 444731, 6848518.
- $\Delta 11$: 444709, 6848615

 - sm, steep o/c (4m tall, 5m long) of quartzite w minor dissem. py
 - lichen covered, weathered gray/brown
- $\Delta 12$: 444671, 6848620

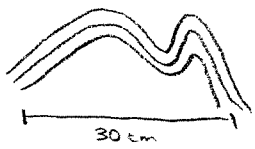
 - argillaceous phyllite on w side of creek, black-brown weather
 - nearly vertical o/c
 - broken up so no reliable orientations, approx bedding 182/26
 - extends ~ 40m downstream
 - slightly downstream, still in black argillaceous phyllite
 - fracture 250/79, 023/43
 - bedding 153/59
- $\Delta 13$: 444566, 6848827 ($\pm 15m$)

 - strongly folded ($\lambda \sim 6cm$) black argillaceous phyllite w calcite veining + infilling of folds

ATTITUDES (✓) 100/40 N
 SANDSTONE
 SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE
 DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS
 DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED

Project	JAKE	NTS	Scale	Page 3 of 3	Traverse
Sampler	S. EATON	Location, Target (words)		Sample Nos	
Date	JUNE 25/06	photo no.	Cert. Nos		

- on w side of cr.



- on other side of cr. (E), well-weathered quartzite overlying banded phyllite (unfolded)
- possible fault running ~230° ??? (local folding, presence of calcite)
- larger scale folds too.
- concordant + discordant qtz veins up to 15 cm across.
 - weak men (py >> cpy)
 - photo.

Δ14: 444527, 6848827 (4m downstream from ↑)

- B374426** - SE-JK-02 well-weathered limonitic qtz w trace gr, hydrozincite
- in zone of banded phyllite w many variably sized quartz veins
 - rocks highly weathered to brown/yellow/white
 - photo
 - men: py >> gn > cpy
 - * no idea what's going on here.

- on other side of cr. (w), trend + plunge of fold axis 280 → 33 in limonitic qtz + argillaceous phyllite
- just downstream, o/c of argillaceous phyllite w heavy concordant qtz veining. veining appears to decrease upwards stratigraphical though the o/c is out of reach ∴ based on distant visual observation.
- outcrop just up-creek from bend, fracture-filling py abundant in quartzite + mudstone?
- o/c ends 20m above side creek entry, restarts 20m down stream as banded phyllite, quartz-nick, no men

Δ15: 444627, 6849120

- sitting across from lg. vertical o/c on w side of cr.
- argillaceous + banded phyllite, yellow-brown-orange-gray weather
- dark gray fresh surface
- limonitic - look in out of reach places
- bedding ~205/22
- pp along fractures → causing red/brown staining.

ATTITUDES (✓) 100/40 N
 SANDSTONE
 SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 MINERALS
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 SOIL ● ROCK ■ PAN/△ WATER ○

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

Project	JAKE	NTS	Scale	Page	of	Traverse
Sampler	D. WALLINGER		Location, Target (words)		Sample Nos	
Date	JUNE 25/06	photo no.	CLAIM TAGGING		Cert. Nos	

- GOING SOUTH -

POST 2'S	JAKE	15/16	UTMS(NAD83):	044430 E
				6849460 N
POST 1'S	JAKE	15/16	UTMS:	044421
POST 2'S	JAKE	14/13		6849002
POST 1'S	JAKE	14/13	UTMS:	044438
POST 2'S	JAKE	12/11		6848534
" 1'S	"	12/11	"	044436
" 2'S	"	10/9		6848093
" 1'S	"	10/9	UTMS:	044427
				6847627

- GOING NORTH -

POST 1'S	JAKE	1/2	UTMS:	0445340
				6847640
POST 2'S	JAKE	1/2	UTMS:	0445343
POST 1'S	"	3/4		6848091
POST 2'S	"	3/4	UTMS:	0445325
POST 1'S	"	5/6		6848544

ATTITUDES (X) 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 SPECIMEN SITE A, B, ... DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GUSAN MINERALS

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

Project JAKE	NTS 1056/16	Scale	Page 1 of 2	Traverse
Sampler S. EATON	Location, Target (words) \mathbb{E} + prospecting		Sample Nos	
Date JUNE 26/06	W side of claims photo no.		Cert. Nos	

\mathbb{E} 10+000E, 10+000N : 444760, 6849377 (on NE side of cr.)
 \mathbb{E} 10+000E, 8+600N : 444756, 6847975 (in snow)

$\Delta 16$: 444732, 6847953
 - in float: LS, argillaceous phyllite, quartz vein. All sm. to lg. cobbles
 - white, weathers beige quartzite (chert?) w dissem. py (rep taken)
 - brown weathered musc. schist w trace dissem. py. Not abun. in float (rep)

$\Delta 17$: 444488, 6847934
 - float 10x10m, black chert? does not scratch glass

$\Delta 18$: 444257, 6847964
 - float/subcrop of blocky gray quartzite boulders. No mzn, lichen covered
 - covers area 8x8m

$\Delta 19$: 444131, 6848000
 - light brown weathered, gray qtz-rich phyllite + banded quartzite in float
 + tried to relocate 96JKWR - 49 to 55, under snow










$\Delta 20$: 444023, 6848074
 - in old creekbed, black quartzite/chert? w limonitic qtz veins, no visible mzn
 - silt sample CC13136

443945, 6848223
 - silt sample CC13135

$\Delta 21$: 444006, 6848373
 - old camp location in some sort of linear? (trend 50°). Fault?
 - flat bottomed gully 20m across
 - scattered float at edges of gully mainly quartzite (light gray, trace diss. p ϕ)
 - 20m E, 1 pc. qtz brxx? w frags of argillite? (black), rind of brown weathering ~ 2cm thick SE-Jk-03
 - no visible mzn
 - more similar rx in area. B374428

$\Delta 22$: 444127, 6848458
 - subcrop (2x1m) of quartzite, brecciated slightly, slightly schistose.
 - trace p ϕ .

Project JAKE	NTS	Scale	Page 2 of 2	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 20 106	photo no.	Cert. Nos		

-  SANDSTONE
-  SILTSTONE
-  CONGLOMERATE
-  VOLCANIC
-  CHERT
-  SHALE
-  LIMESTONE DOLOMITE
-  INTRUSIVE
-  GOSSAN MINERALS

DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

444179, 6848481
 - banded, well-cleaved quartzite (phyllite). Dark gray fresh, light - dark gray weathered surface
 - heavy quartz + calcite veining → crackle brxx, relatively intact parts
 - no visible men. Outcrop ~ 30m long
 - bedding/cleavage 083/49
 - fracture: 323/81

444205, 6848490
 - black chert? outcrop (adjoined to last one) brecciated by qtz vein. No cleavage. In hind sight, probably skarn.
 - limonite + brown weathering
 - **SE-JK-04** limonite sample **B374429** No SPLIT.
 - extends as subcrop / float to 444240, 6848574

Δ23: 444099, 6848579
 - start of tan/orange/gray weathered, calcite coated, quartz veins (mm scale). Light gray foliated quartzite, o/c + slc.
 - bedding 105/41 (poor heading).

Δ24: 444047, 6848632
 - dark gray quartzite w quartz veining along fractures in o/c
 - all broken up (subcrop)
 - fracture ~ 072/44, 140/79 (unreliable).
 - veining up to ~ 10cm across, fracture 032/41, 228/51
 - end of o/c at 443999, 6848680

Δ25: 443985, 6848730
 - float train, with some skarn cobbles, heavy limonite w trace (2 small, 2mm, blebs) of galena(?)
B374429 - **SE-JK-05** LIMONITE CONVERTING QUARTZ RICH PHYLLITE FRAGMENTS **B374430**
 - 8m to NW: **SE-JK-06** and **SE-JK-07** more skarn w various amounts of limonite + ~~gr~~ very fine gr. galena
 - local to this 10m area.

Δ26: 444164, 6848779
 - black, platy, argillaceous phyllite o/c
 - bedding/cleavage 123/21
 - 20m across, near vert.
 Quartz carbonate healed black/gray phyllite brxx with dissem gn + spl + hydro + red/brown patchy Lm
B374431

ATTITUDES 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS
 SPECIMEN SITE A, B, ... DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED

Project JAKE	NTS 105 G/16	Scale	Page 1 of 2	Traverse
Sampler S. EARDON	Location, Target (words) E Creek + SE corner of anomaly.		Sample Nos	
Date JUNE 27/06	photo no.		Cert. Nos	

- Δ27: 20m upstream from E 10+000E, 10+000N
 - fracture controlled blebby pp in white to green/gray banded metaseds. Rust stained. Some strataband pp in qtz rich layer
 SE-JK-08 NOT SORT
- Δ28: 444890, 6849247 argillaceous phyllite
 - dark gray-black banded quartzite w fracture + strata controlled pp
 SE-JK-09 B37443Z
- Δ29: 445022, 6849185
 - outcrop of folded dark gray argillaceous phyllite w narrow to wide (2mm to 10cm) qtz bands
 - general strike/dip of bedding 221/45 (some variation due to bedding)
 - some pp along fractures
 - fracture 100/72
- Δ30: 445093, 6849147
 - med gray fine-grained banded chert? (just barely scratches glass) in o/c. Overlain by Δ29
 - not folded
 - weather's light gray/green
 - bedding 195/52
 - overlies horizon w strong structure-controlled pp + py men
- 445131, 6849087
 - localized skarn horizon, deep brown weathering, coarse white/gr Heavy. Pp men.
 - can't trace it
 - overlies light gray banded quartzite/chert?
- 445205, 6849032
 - bedding / cleavage 194/40 in light gray qtz-rich banded phyllite
 - overlying gray quartzite w dissem pp
 - overlies banded phyllite again
 - fracture 110/66
- Δ31: 445432, 6848756 ± 19m
 - light gray o/c of banded quartzite w trace dissem. pp
 - in float, still abun. skarn w blebby pp and metaseds w fracture controlled pp

ATTITUDES (100/40 N)
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

DO NOT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED
 SPECIMEN SITE A, B, ...: DO NOT WRITE ON OTHER SIDE OR USE COLOURS

Project JAKE	NTS	Scale	Page 2 of 2	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 27 /06	photo no.	Cert. Nos		

- Δ32: 445511, 6848585
 - o/c of metaseds → banded quartzite, argillaceous phyllite (50m lon, 40m wide)
- 445528, 6848529
CC13134 Soil sample of orangy-brown soil
- Δ33: 445570, 6848446
 - deep red/brown weathered, gray-white skarn w blebs of pp (magnetic) in float w qtz-rich banded metaseds
 - large, blocky talus
- Δ34: 445674, 6848336
 - light gray weathered, banded light gray + gray/green qtz-rich (quartzite?). o/c fairly lg.
 - fracture 090/78. Bedding 220/20.
 - little to no iron staining
- Δ35: 445630, 6848154
 - argillaceous phyllite → banded phyllite
 - minor concordant qtz w trace pp
- Δ36: 445579, 6848135
 - in float + s/c, dark gray quartzite w diss. to blebby pp , iron stained. area 10x10m.
- Δ37: 445567, 6848093 (8+700N, 10+800E)
B374433 - **SE-JK-10** med gray, slightly brxx (by calcite) quartzite w 5-6 small blebs gn.
 - light brown, non-descript weathered surface. Out of soil hole.
- Δ38: 445540, 6848095
 - talus field of blocky boulders of foliated quartzite
 - 50m long x 25m across
 - occasional skarn float
- Δ39: 445496, 6848135
B374434 - **SE-JK-11** lichen covered, ~~slightly~~ ~~zoned~~ ~~white~~ ~~gray~~ ~~green~~ ~~skarn~~ ~~quartzite~~ - ~~stained~~, white-gray-green ~~skarn~~ quartzite.
 w minor blebs of $cpy > sph ? > gn$
 v. minor skarn alteration
 - trace gn in skarn float: 445453, 6848282
 445430, 6848253
- Δ40: 445390, 6848180
 - boulder field of blocky quartzite to banded quartzite, some skarn
 - white/green (diopside) skarn float (1pc) w slight malachite staining 445238, 6848196

ATTITUDES (✓) 100/40 N
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE
 INTRUSIVE
 GOSSAN MINERALS
 SILTSTONE
 SILT X SOIL ● ROCK ■ PAN Δ WATER O
 DOLOMITE
 DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 SPECIMEN SITE A, B, ...
 ONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED - - - ASSUMED

Project	JAKE	NTS	Scale	Page		of		Traverse
Sampler	D. WALLINGER	Location, Target (words)			Sample Nos			
Date	JUNE 27 2006	SOIL SAMPLING photo no.			CC14475-500, CC14427-35			
				Cert. Nos				

LINE	LOCATION	SOIL #	SOIL QUALITY
	8+800 N		
	10+000 E	CC14475	
	9+900 E	CC14476	
	9+800 E	CC14477	
	9+700 E	CC14478	
	9+600 E	NO SAMPLE	SNOW
	10+100 E	CC14479	
	10+200 E	NO SAMPLE	SNOW
	10+300 E	NO SAMPLE	TALUS
	10+400 E	CC14480	
	10+500 E	CC14481	
	10+600 E	CC14482	
	10+700 E	CC14483	
	10+800 E	CC14484	
LINE	8+900 N		
	10+800 E	CC14485	
	10+700 E	CC14486	
	10+600 E	CC14487	
	10+500 E	CC14488	
	10+400 E	CC14489	NOT GREAT
	10+300 E	NO SAMPLE	SNOW
	10+200 E	CC14490	
	10+100 E	CC14491	
	10+000 E	CC14492	
	9+900 E	CC14493	
	9+800 E	CC14494	
	9+700 E	CC14495	
	9+600 E	CC14496	
LINE	9+000 N		
	9+600 E	CC14497	
	9+700 E	CC14498	
	9+800 E	CC14499	
	9+900 E	CC14500	
	10+000 E	CC14427	
	10+100 E	CC14428	
	10+200 E	CC14429	
	10+300 E	CC14430	
	10+400 E	CC14431	
	10+500 E	CC14432	
	10+600 E	CC14433	
	10+700 E	CC14434	
	10+800 E	CC14435	

ATTITUDES 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 SPECIMEN SITE A, B, ...
 DEFINED --- INFERRED - - - - - ASSUMED

Project JAKE	NTS	Scale	Page of	Traverse
Sampler D. WALLINGER	Location, Target (words)		Sample Nos CC14436-50, CC14214-3	
Date JUNE 28 2006	photo no.	SOIL SAMPLING GRID	Cert. Nos	

LINE	LOCATION	SOIL SAMPLE #	SOIL QUALITY
	9+100 N		
	10+000 E	CC14436	
	9+900 E	CC14437	
	9+800 E	CC14438	
	9+700 E	CC14439	
	9+600 E	CC14440	
	10+100 E	CC14441	
	10+200 E	NO SAMPLE	SNOW
	10+300 E	CC14442	
	10+400 E	CC14443	
	10+500 E	CC14444	
	10+600 E	CC14445	
	10+700 E	CC14446	
	10+800 E	NO SAMPLE	SNOW
LINE	9+200 N		
	10+800 E	CC14447	
	10+700 E	CC14448	
	10+600 E	NO SAMPLE	SNOW
	10+500 E	CC14449	
	10+400 E	CC14450	
	10+300 E	CC14214	
	10+200 E	CC14215	
	10+100 E	CC14216	
	10+000 E	CC14217	
	9+900 E	CC14218	
	9+800 E	CC14219	
	9+700 E	CC14220	
	9+600 E	CC14221	
LINE	9+300 N		
	9+600 E	CC14222	
	9+700 E	CC14223	
	9+800 E	CC14224	
	9+900 E	CC14225	
	10+000 E	CC14226	
	10+100 E	CC14227	
	10+200 E	CC14228	
	10+300 E	CC14229	
	10+400 E	CC14230	
	10+500 E	CC14231	
	10+600 E	NO SAMPLE	SNOW
	10+700 E	CC14232	
	10+800 E	CC14233	

ATTITUDES (X) 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

Project JAKE	NTS 105G/16	Scale	Page 1 of 2	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 28/06	photo no. NADB3		Cert. Nos	

SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 DEFINED --- INFERRED --- ASSUMED
 GOSSANS, OBSERVED GEOLOGY; TRAILS, WORKINGS, SAMPLE SITES, NORTH ARROW, LAT/LONG, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY;

- Δ41: 444751, 6848997
- o/c of black argillaceous phyllite, weathered black/dark brown, well-foliated
 - bedding/cleavage 147/65
 - o/c ~ 50m long NW x nearly vertical
 - sm. float train below it
 - minor phytolitic to barren qtz veining
 - 1sm (2' x 1') lens of skarnification? along fracture (185/85) and brecciation/silicification of argillaceous phyllite
 - qtz/limonite alt. of rocks → veining
 - 444740, 6848951 o/c narrows + then widens for another 20m
 - 10m above Δ41, o/c of more intensely qtz-alt. / red stained black phyllite. Qtz concordant w bedding
 - stratigraphically higher than Δ41 phyllite
 - o/c nearly vertical
- Δ42: 444704, 6848953
- E edge of float train below lg o/c. Gray weathered, minor red/br staining, banded phyllites. Med. cobbles to sm. boulders
 - snow patch covers center of float
 - minor fracture-filling pφ + pγ in phyllite
 - rare skarn cobbles w trace pφ
 - some brecciated metaseds w carb. cement (in 2x2m area, ~8 cobbles)
 - 444681, 6849020
 - bottom of float train
 - forest starts below here.
- Δ43: 444595, 6848912
- W end of long, cliffy o/c
 - banded quartzite overlain by silicified argillaceous phyllite (150/56), overlain by thin (15cm) bed of metaseds brecciated + cemented by carb.
 - 30m to E, o/c has concordant qtz layers, generally barren, up to 10cm thick
 - layers in o/c incl. quartzite brxx by carb, banded quartzite, massive quartzite w dissem. pφ + pγ, argillaceous phyllite
 - 444653, 6848896
 - fracture 100/81 in banded, foliated quartzite 050/81
 - 444698, 6848850
 - fracture 085/79, 352/59
 - 444745, 6848843
 - cleavage 150/66 in banded quartzite

ATTITUDES (100/40 N)
 SANDSTONE
 SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

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

Project	JAKE	NTS	Scale	Page 2 of 2	Traverse
Sampler	S. EATON	Location, Target (words)		Sample Nos	
Date	JUNE 28/06	photo no.		Cert. Nos	

- 444758, 6848822
- end of o/c
- Δ44: 444675, 6848790
- Sm. exposed scree slope, 10m x 15m of argillaceous phyllite
- Δ45: 444848, 6848702
- in creekbed, float of quartzite w fracture - filling + dissem p_x. Tra cpy in fracture
- o/c of black argillaceous phyllite w bedding/clearage 131/31
- Δ46: 444848, 6848680 (± 16m) in creek

B374435

 - SE-JK-12 ~~quartzite?~~ w diss. p_x and ~~semi-metallic~~ ~~sp_x~~ (rotten egg smell, purple-silver sub-metallic luster, brown streak, non-magnetic) ~~quartzite~~ ~~PHYLITE (p_x, cpy, sp_x)~~ ~~rest/brown~~
 444858, 6848659 (± 13m) Cracked SILTSTONE w fracture fillings of ~~sp_x~~ weak skarn act.
 - 20m upstream, strong blebby p_x in box quartzite
 - o/c of black argillaceous phyllite, some silicification w diss. p_x, trace cp
- Δ47: 444863, 6848624
- o/c of banded quartzite to NE of creek
- Δ48: 444811, 6848559
- o/c of black argillaceous phyllite over well-weathered, gray-orange weathered quartzite
- Δ49: 444895, 6848444
- o/c of gray quartzite + quartz?
- float train below it, trace cpy along fracture in 1 quartzite cobble
- Δ50: 444934, 6848480
- strongly weathered, limonitic ~~quartzite?~~ w p_x > gn > cpy SE-JK-13
B374436
- Δ51: 445003, 6848616
- dominantly quartzite float, gray weathered, banded float train
- Δ52: 445103, 6848579 (± 15m)
- banded quartzite w trace dissem. p_x. Foliation 230/52
- Δ53: 445292, 6848895 (± 15m)
- hornfels? zone ~ 2ft across. Cut metaseds
- photo taken
- white zone, approx trend 095/78

Project JAKE	NTS	Scale	Page of	Traverse
Sampler D. WALLINGER	Location, Target (words)		Sample Nos CC14234-50, CC14001-	
Date JUNE 29 2006	photo no. SOIL SAMPLING GRID		Cert. Nos	

GOSSAN MINERALS
 INTRUSIVE
 LIMESTONE DOLOMITE
 SHALE
 CHERT
 VOLCANIC
 CONGLOMERATE
 SANDSTONE SILTSTONE
 SOIL
 ROCK
 PAN
 WATER

DO NOT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED — ASSUMED

LINE	LOCATION	SOIL SAMPLE #	SOIL QUALITY
	9+400N		
	10+000 E	CC14234	
	9+900 E	CC14235	
	9+800 E	CC14236	
	9+700 E	CC14237	
	9+600 E	CC14238	
	10+100 E	CC14239	
	10+200 E	CC14240	
	10+300 E	CC14241	
	10+400 E	NO SAMPLE	CLIF/NO SOIL
	10+500 E	NO SAMPLE	"
	10+600 E	CC14242	
	10+700 E	CC14243	
	10+800 E	CC14244	
LINE	9+500N		
	10+800 E	NO SAMPLE	"
	10+700 E	CC14245	
	10+600 E	CC14246	
	10+500 E	NO SAMPLE	"
	10+400 E	NO SAMPLE	"
	10+300 E	NO SAMPLE	"
	10+200 E	NO SAMPLE	"
	10+100 E	CC14247	
	10+000 E	CC14248	
	9+900 E	CC14249	
	9+800 E	CC14250	
	9+700 E	CC14001	
	9+600 E	CC14002	
LINE	9+600N		
	9+600 E	NO SAMPLE	"
	9+700 E	CC14003	

ATTITUDES \times 100/40 N
 SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

Project JAKE	NTS 105 G/16	Scale	Page 1 of 3	Traverse
Sampler S. EATON	Location, Target (words) NAD 83		Sample Nos	
Date JUNE 29/06	photo no.		Cert. Nos	

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

- $\Delta 54$: 444471, 6849339
 - 5 x 1 m s/c of silicified black phyllite

 444450, 6849365
 - larger o/c (20m high x 30m wide) of silicified + calcified black phyllite. Trace diss to blebby p ϕ in qtz layers.
 - bedding 165/41, gentle folding

 444409, 6849359
 - o/c of siliceous black phyllite, brown weathered
 - nearly vert, extends low to S, 20m to N
 - phyllite brecciated by qtz in places

 444358, 6849366
 - bedding/foliation in same rock type 158/35

 $\Delta 55$: 444358, 6849387
 - gray-weathered, med-gray qtz porphyry?? Bimodal grain distribution - lg. (up to 2cm) phenocrysts of white or dark gray qtz in a med gray quartzite-like "matrix". Rep taken
 - o/c ~15m high x 15m long, nearly vert.
 - trace dissem. p ϕ or py (too fine to tell)
 - dyke of some sort? x-cuts metaseds at ~078/74

 $\Delta 56$: 444399, 6849269
 - bedding/cleavage 155/34 in slightly silicified black argillaceous phyllite. Degree of silicification varies.
 - fracture: 070/80

 444378, 6849252
 - outcrop of foliated quartzite w trace diss. p ϕ , very steep

 444379, 6849221 ($\pm 17m$)
 - siliceous black phyllite o/c w bedding/cleavage 166/85

 $\Delta 57$: 444372, 6849221
 - concordant 1/2 m thick band of silicified + calcified quartzite - brecciated. Minor malachite staining in one 2x2m area, minor limonite
 - no visible m \pm n other than p ϕ in veins.
 - photo taken

 444358, 6849271
 - bottom of the o/c of silicified black phyllite

ATTITUDES 100/40 N
 SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 DOLOMITE
 INTRUSIVE
 MINERALS
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 WATER
 PAN
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 SILT X
 DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED
 DON'T FORGET CONTOURS,

Project	JAKE	NTS	Scale	Page 2 of 3	Traverse
Sampler	S. EATON	Location, Target (words)		Sample Nos	
Date	JUNE 29 / 06	photo no.		Cert. Nos	

444312, 6849341
 - more exposure of "quartz porphyry" 8m long x vertical.

Δ58: 444279, 6849359
 - bedding/cleavage 195/24 in minorly silicified black argillaceous phyllite
 - o/c continues around contour, has float train below it.

444174, 6849355
 - 161/41 bedding/cleavage in "banded phyllite" (aka silicified phyllite)

Δ59: 444122, 6849259
 - o/c of argillaceous phyllite
 - bedding/cleavage 148/49
 - fracture: 240/80

444162, 6849245
 - SE-JK-14 limonite taken in place from a qtz-rich layer in silicified argillaceous phyllite. Minor hydrozincite and remnant ferrucite/anglesite. B374438

Δ60: 444177, 6849201
 - o/c 15x15m of iron-stained quartzite + q.v. Trace dissem.
 - 10m E, 1 cobble limonite in float SE-JK-15 B374438
 444190, 6849204 1m cementing Qtz fragments - orange-brown.

Δ61: 443967, 6849069 (±17m)
 - o/c of argillaceous phyllite. Some calcite along fractures.
 - bedding/cleavage 168/16

443993, 6849013
 - more o/c + float of non-silicified argillaceous phyllite. o/c only 2x2m, float 10m wide down hill.

Δ62: 443906, 6848792
 - qtz-carb brxx quartzite. No mzn
 - long, steep (4m) outcrop above float/snow patch.

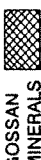







443946, 6849746
 - qtz-carb. brxx quartzite overlain by qtz-carb. veined black phyllite

- soil above + below + ~30m across where samples SE-JK-5 → taken is more brown/red than on either side (which is gray)

B374439

SE-JK-16	10m below	SE-JK-05	ART success QZITE/grt by patchy
SE-JK-17	30m below	SE-JK-05	NOT sampled 1m all gale blk

Project JAKE	NTS	Scale	Page 3 of 3	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 29 /06	photo no.	Cert. Nos		

 GOSSAN MINERALS
 INTRUSIVE
 LIMESTONE DOLOMITE
 SHALE
 CHERT
 VOLCANIC
 CONGLOMERATE
 SANDSTONE SILTSTONE

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- Δ63: 444138, 6848781
 - edge of a long exposure (below snow patch) of black argillaceous phyllite o/c + float.

444325, 6848818
 - end of scree slope + snow patch. Slight qtz veining toward this end.
- Δ64: 444356, 6849051 (top of outcrop / float train)
 - bedding 130/45 of "banded phyllite"
 - bottom 444373, 6849026
- Δ65: 444344, 6848936
 - 149/56 bedding/clearage in slightly siliceous argillaceous phyllite outcrop, nearly vertical 15m long.

ATTITUDES
(X) 100/40 N

SANDSTONE
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

LIMESTONE
DOLOMITE

INTRUSIVE

GOSSAN
MINERALS

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Project JAKE	NTS	Scale	Page 1 of 1	Traverse
Sampler D. WALLINGER	Location, Target (words)		Sample Nos CC14004 - 038	
Date JUNE 30 2006	photo no. SOIL SAMPLING GRID	Cert. Nos		

LINE	LOCATION	SOIL SAMPLE #	SOIL QUALITY
LINE 9+600N	10+000E	CC14004	
	9+900E	CC14005	
	9+800E	CC14006	
	10+100E	CC14007	
	10+200E	NO SAMPLE	
	10+300E	CC14008	
	10+400E	CC14009	
	10+500E	CC14010	
	10+600E	CC14011	
	10+700E	CC14012	
10+800E	CC14013		
LINE 9+700N	10+800E	CC14014	
	10+700E	CC14015	
	10+600E	CC14016	
	10+500E	CC14017	
	10+400E	CC14018	
	10+300E	CC14019	
	10+200E	CC14020	
	10+100E	CC14021	
	10+000E	CC14022	
	9+900E	CC14023	NOT GREAT
9+800E	CC14024		
9+700E	CC14025		
9+600E	CC14026		
LINE 9+800N	9+600E	CC14027	
	9+700E	CC14028	
	9+800E	NO SAMPLE	PERMAFROST
	9+900E	CC14029	
	10+000E	CC14030	
	10+100E	CC14031	
	10+200E	CC14032	
	10+300E	CC14033	
	10+400E	CC14034	
	10+500E	CC14035	INCREDIBLE
10+600E	CC14036		
10+700E	CC14037		
10+800E	CC14038		

Project JAKE	NTS 105 G/16	Scale	Page 1 of 2	Traverse
Sampler S. EATON	Location, Target (words) NAD83		Sample Nos	
Date JUNE 30, 2006	photo no.	Cert. Nos		

444821, 6848530
 - ask Bill if rep labelled "skarn" is a skarn or not. If so, o/c is skarn.

444918, 6848353
 - bottom of talus slope (below snowpatch + outcrop).

444957, 6848336
 - skarn?? (rep taken). 2 lg. cobbles of dark gray/green + white, heavy, rust stained rock w/ diss. to blebby py + ps. Trace limonite.
 - majority of float is silicified black phyllite or quartzite.

444989, 6848345
 - lg. blocky "light gray quartzite" boulders (rep taken)
 - boulders up to 3 x 1.5 x 1.5 m
 - gray weathered

Δ66: 445113, 6848232
 - **SE-JK-18** on talus slope of mainly "light quartzite": 1 sm piece limonite w/ gn >> cpy as small blebs. Also 1 pc 12 x 6 cm of skarn? with strong gn >> cpy. Some hydrozincite. **B374440**

- **SE-JK-19** 8m to N of Δ66, limonitic skarn? = malachite staining + hydrozincite **B374441**

~ 5 m ind. the samples with men or oxides in a 10 x 5 m area

Δ67: 445245, 6848000
 - o/c of "light quartzite", massive, barren.










Δ68: 445290, 6847828
 - limonitic quartzite w/ diss. gn + sph, hydrozincite **SE-JK-20** **B374442**
 - still in "light quartzite" float
 - v. localized area of men ~ 2' x 2'

- more found ~ 25m S. 2 small cobbles

445296, 6847800
 - more "light quartzite" o/c
 - fracture 090/87, 335/49

Δ69: 445240, 6847786
 - dyke of some sort? white weathered, white-tan fresh w/ diss. py rep taken. In float in localized (3m x 15m area)

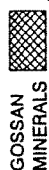




Δ70: 445146, 6848055
 - o/c of "light quartzite" starts here
 - fracture 080/84, 325/53

ATTITUDES  100/40 N
 SANDSTONE  SILTSTONE
 CONGLOMERATE 
 VOLCANIC 
 CHERT 
 SHALE 
 LIMESTONE  DOLOMITE
 INTRUSIVE 
 GOSSAN MINERALS 

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ATTITUDES
(X) 100/40 N

Project JAKE	NTS	Scale	Page 2 of 2	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JUNE 30 /06	photo no.	Cert. Nos		

-  GOSSAN MINERALS
-  INTRUSIVE
-  LIMESTONE DOLOMITE
-  SHALE
-  CHERT
-  VOLCANIC
-  CONGLOMERATE
-  SANDSTONE SILTSTONE

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- 445042, 6848208
- limonitic qtz-rich rock in talus, few small pcs. Sampled a little from each
SE-JK-21 B37444#3
- 444926, 6848169 - end of float
- 445003, 6848020 - top of float
- 444908, 6847953
- bottom/edge of new float train coming down from peak
- brxx quartzite (brxx by qtz veining)
- "dyke" in float.
- also shards of argillaceous phyllite.
- 444824, 6847907
- edge of snow patch
- 444847, 6847869
- transition btw gray weathered quartzite + buff-weathered quartzite (qtz-carb or dolomite?) → rep "dolomite" (fizzes w 37% HCl)
- 444721, 6847782
- sm. float train of med. gray, coarse quartzite.
- 444930, 6847799
- other side of ridge, at transition btw gray-weathered quartzite + tan-weathered quartzite.
- Δ71: 445111, 6847629
- float train of tan + gray quartzite. 40m wide, narrows downhill.
- Δ72: 445545, 6847783
- talus field ~50x75m of dominantly siliceous black phyllite (banded ph.)
- Δ73: 445721, 6847740
- talus sporadic for 50x50m area, 2 sm. lakes.
- mainly banded phyllite, minor "dyke" float.

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Project JAKE	NTS	Scale	Page 1 of 1	Traverse
Sampler D. WALLINGER	Location, Target (words)		Sample Nos CC14039-62	
Date JULY 1st 2006	photo no. SOIL SAMPLING GRID		Cert. Nos	

LINE	LOCATION	SOIL SAMPLE #	SOIL QUALITY
	9+900N		
	10+000E	CC14039	
	9+900E	CC14040	
	9+800E	CC14041	
	9+700E	CC14042	
	9+600E	CC14043	
LINE	10+000N		
	9+600E	CC14044	
	9+700E	CC14045	
	9+800E	NO SAMPLE	PERMAFROST
	9+900E	CC14046	
	10+000E	CC14047	SANDY
	10+100E	NO SAMPLE	
	10+200E	CC14048	
	10+300E	CC14049	
	10+400E	CC14050	
	10+500E	CC14051	
	10+600E	CC14052	
	10+700E	CC14053	
	10+800E	CC14054	
LINE	9+900N		
	10+800E	CC14055	
	10+700E	CC14056	
	10+600E	CC14057	
	10+500E	CC14058	
	10+400E	CC14059	
	10+300E	CC14060	
	10+200E	CC14061	
	10+100E	CC14062	

Project JAKE	NTS 105 G/16	Scale	Page 1 of 3	Traverse
Sampler S. EATON	Location, Target (words) NAD83		Sample Nos	
Date JULY 1, 2006	photo no.		Cert. Nos	

SANDSTONE
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

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- Δ75: 444819, 6849135
- 4x3m o/c of argillaceous phyllite
 - cleavage 176/41
 - 10m upstream, o/c of argillaceous phyllite overlain by qtz-alt. black phyllite w diss. to blebby pφ
 - o/c ~ 30m long x 10m across
 - argillaceous phyllite has 20cm qtz vein cutting diagonally across it
 - fracture 092/76, 320/47
 - cleavage 176/55
- 444841, 6849095
- banded phyllite overlies much more qtz-rich horizon w trace diss. pφ
- Δ76: 444857, 6849044
- o/c of light gray weathered, light gray fresh, slightly banded
 - extends ~ 100m upstream
 - overlies dark gray, rust-weathered layer of quartzite w fracture controlled pφ + diss. pφ
 - overlies slightly siliceous black phyllite
 - ~ 20m upstream o/c also on other side of stream
- Δ77: 444932, 6848918
- float train below major cliff o/c mainly siliceous black phyllite
 - qtz-layers have blebby pφ
- Δ78: 444986, 6848919
- base of o/c (v. lg. cliff), slightly siliceous black phyllite
 - cleavage 210/44
 - phyllite varies in degree of silicification: nearly pure argillaceous phyllite to strongly silicified (banded + veined)
 - lots of exposure, but too steep to access most of it
- Δ79: 444941, 6848880
- cleavage 185/35 in phyllite
 - over + underlain by bands of "Δ79"
- Δ80: 444912, 6848845
- cleavage 193/54 in argillaceous phyllite
- 444904, 6848791
- 175/85 cleavage in argillaceous phyllite
- 444973, 6848808 → light gray highly siliceous banded phyllite.

Project JAKE	NTS	Scale	Page 1 of 3	Traverse
Sampler S, EATON	Location, Target (words)		Sample Nos	
Date JULY 1, 2006	photo no.		Cert. Nos	

SANDSTONE
SILTSTONE

CONGLOMERATE

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LIMESTONE
DOLOMITE

INTRUSIVE









GOSSAN
MINERALS

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- Δ81: 445020, 6848841
- 190/44 cleavage in dark gray phyllite → on cliff face
445082, 6848861
- dark green/white skarn in float (rep "skarn!") too steep to climb up to locate horizon
- Δ82: 445114, 6848845
- base of steep o/c, float consists mainly of phyllites, some quartzite w blebby pt
- cleavage 195/47
- Δ83: 445237, 6848760
- 198/43 cleavage in argillaceous phyllite
- Δ84: 445318, 6848723
- possible fault running 050°
- Δ85: 445366, 6848679
- 207/46 cleavage in banded phyllite
- Δ86: 445331, 6848632
- crystalline white + green cobble, heavy → skarn? no men
- could not locate in o/c
445348, 6848614
- horizon of light gray weathered, light gray fresh quartzite (possibly hornfels?)
- Δ87: 445386, 6848574
- 204/42 cleavage in argillaceous phyllite
445233, 6848627
- top of possible fault of Δ84
445204, 6848690
- top of another possible fault? gully running down cliff. ~ same trend
- Δ88: 445160, 6848732
- top of 3rd gully w approx same trend
- Δ89: 445013, 6848739
- 189/41 cleavage in argillaceous phyllite at top of cliff

Project JAKE	NTS	Scale	Page 3 of 3	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JULY 1, 2006	photo no.	Cert. Nos		

-  GOSSAN MINERALS
-  INTRUSIVE
-  LIMESTONE DOLOMITE
-  SHALE
-  CHERT
-  VOLCANIC
-  CONGLOMERATE
-  SANDSTONE SILTSTONE

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

Δ90: 445000, 6848611 B374444
 - SE-Jk-22 rust-stained rock w malachite + hydrozincite
 - trace cpy visible, mzn at least partly controlled by fracture
 - rock ~ 35 x 25 x 10 cm
 - probably hosted in skarn?
 - float mainly of silicified black phyllite

Δ91: 444931, 6848621
 - o/c of qtz + carb. altered quartzite?

Δ92: 445320, 6848375
 - talus float of quartzite w minor q.v.

Δ93: 445346, 6848320
 - blocky boulders of "qtz porphyry", argillaceous phyllite, "qtz + carb. altered quartzite" + "light quartzite"

Δ94: 445388, 6848173
 - o/c of slightly siliceous argillaceous phyllite
 - 230/21 cleavage.

Project JAKE	NTS 105 G / 16	Scale	Page 1 of	Traverse
Sampler S. EATON	Location, Target (words)		Sample Nos	
Date JULY 2, 2006	photo no.		Cert. Nos	

OBJECTIVE: To relocate the 1.5m thick band of massive sulphide noted by Andrew Harman in 1996. To finish mapping the NE end of the property.

Note: The sulphide horizon is not in the creekbed as mapped, nor on the slightly reddish outcrop to the north. Could not locate

- Δ95: 445445, 6849378
- float in exposed dirt patch ~100x50m, mainly variably silicified black phyllite
- Δ96: 445665, 6849103
- s/c of med. gray quartzite w some q.v.
- Δ97: 445673, 6848994
- talus slope of black chert, some quartzite
- Δ98: 445716, 6848919
- 205/25 cleavage in foliated quartzite o/c (~30m across, steep)
- Δ99: 445718, 6848871
- o/c of foliated quartzite, some patches not stained due to diss. to blebby px
- Δ100: 445740, 6848771
- sm. (3' x 25m) o/c of siliceous black phyllite
- Δ101: 445761, 6848669
- lg. talus slope w banded phyllite, rusty quartzite
- Δ102: 445783, 6848509
- white/green hornfels in float
- Δ103: 445692, 6848330
- highly siliceous banded phyllite o/c
- cleavage 222/29 (only okay reading)
- Δ104: 445673, 6848158
- cleavage 205/20 in banded phyllite o/c
- Δ105: 445573, 6848473
- skarn (dark green + white, trace diss px) in float
- Δ106: 444865, 6848693
- already mapped - o/c folded + brxx black phyllite (by lg. quartz veins)

SANDSTONE SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS

SPECIMEN SITE A, B, ... : DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 OBSERVED GEOLOGY: DEFINED --- INFERRED ----- ASSUMED

DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAIL S, GOSSANS,

ATTITUDES
100/40 N

Project JAKE	NIS	Scale	Page 1 of 1	Traverse
Sampler D.WALLINGER	Location, Target (words) SOIL SAMPLING GRID		Sample Nos CC14075-100	
Date JULY 3RD 2006	photo no.		Cert. Nos	

SANDSTONE
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

LIMESTONE
DOLOMITE

INTRUSIVE

GOSSAN
MINERALS

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

LINE	LOCATION	SOIL SAMPLE #	SOIL QUALITY
	444150		
	6849200	CC14075	OKAY
	6849100	CC14100	
	6849000	CC14099	
	6848900	CC14098	
	800	CC14097	
	700	CC14096	
	600	CC14095	
	500	CC14094	
	400	CC14093	
	300	CC14092	
	200	CC14091	
	100	CC14090	
	6848000	CC14089	
LINE	444050		
	6848000	CC14088	
	100	CC14087	
	200	CC14086	
	300	CC14085	
	400	CC14084	
	500	CC14083	
	600	CC14082	
	700	CC14081	
	800	CC14080	
	900	CC14079	
	6849000	CC14078	
	6849100	CC14077	
	6849200	CC14076	

ATTITUDES (X) 100/40 N
 SANDSTONE
 SILTSTONE
 CONGLOMERATE
 VOLCANIC
 CHERT
 SHALE
 LIMESTONE
 DOLOMITE
 INTRUSIVE
 GOSSAN MINERALS
 DO NOT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED
 SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS
 PAN, Δ WATER ○

Project JAKE	NTS 105G/16	Scale	Page) of)	Traverse
Sampler S. EATON	Location, Target (words) NAD83		Sample Nos	
Date JULY 3, 2006	photo no.		Cert. Nos	

OBJECTIVE: To return to the only location where mzn was found in outcrop + to take a better look at the area (SE-JK-02). Then go back early to camp to finish paperwork.

Δ107: 444505, 6848913
 - possible fault zone, brxx with q.v., soft white/orange material (gauge?) and dark green/black foliated rock (not quite like argillaceous phyllite)

SE-JK-02 revisited : 444527, 6848827
 - probably fault related (possible fault trending ~ 20-30°). Strong quartz veining of rocks and host rocks are dark green/black well polished (shiny) + foliated. Entire area has undergone folding.
 - Area of mineralization is about 2 x 2 ft, with gn, sph and a trace cpy. Hydrozincite on weathered surfaces, and localized malachite.
 - Q.v. appear to be barren, except in localized areas where diss-blebby py + py have caused rust-staining
 - more material was taken to add to the original SE-JK-02

Δ108: 444856E, 6848657N.
 - Rusty weathering black graphitic argillaceous phyllite w weak to moderate silicification
 TRACE cpy + gn within purple red laminae.
 in outcrop exposure.

B374445

Δ109: 444509E, 6849058N.
 40 cm block of weak skarn altered quartz with sporadic fracture controlled sphalerite.
 STRAIN BAND layer (3cm) of massive and semi massive py with trace gn + sph. Latter sampled

B374446

Project	JAKE	NTS	Scale	Page	1 of 1	Traverse
Sampler	D. WALLINGER	Location, Target (words)			Sample Nos	
Date	JULY 2nd 2006	CLAIM TAGGING AND SOIL SAMPLING			Cert. Nos	

CLAIMS TAGGED TAG #S LOCATION (NAD 83)

JAKE 5+6 POST 2s	5: YC29797 6: YC29798	}	0445328 6848998
JAKE 7+8 POST 1s	7: YC29799 8: YC29800		
JAKE 7+8 POST 2s	7: YC29799 8: YC29800	}	0445350 6849460

<u>LOCATION (NAD 83)</u>	<u>SOIL SAMPLE #</u>	<u>SOIL QUALITY</u>
- 444 250E -		
6848000N	CC14063	
6848100N	CC14064	
6848200N	CC14065	
6848300N	CC14066	
6848400N	CC14067	
6848500N	CC14068	
6848600N	CC14069	
6848700N	CC14070	
6848800N	CC14071	
6848900N	CC14072	
6849000N	CC14073	
6849100N	CC14074	NOT GREAT
6849200N	NO SAMPLE	



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

DEFINED --- INFERRED --- ASSUMED

DONT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY:

APPENDIX III
CERTIFICATES OF ANALYSIS



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

CERTIFICATE VA06069867

Project: Jake

P.O. No.:

This report is for 22 Rock samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2006.

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
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Ag-AA46	Ore grade Ag - aqua regia/AA	AAS
Cu-AA46	Ore grade Cu - aqua regia/AA	AAS
Pb-AA46	Ore grade Pb - aqua regia/AA	AAS
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS

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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:

Keith Rogers, Executive Manager Vancouver Laboratory



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Project: Jake

Page: 2 - A

Total # pages: 2 (A - C)

Finalized Date: 23-AUG-2006

Account: MTT

CERTIFICATE OF ANALYSIS VA06069867

Sample Description	Method Analyte Units LOR	WEI-21	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.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
B374425		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
B374426		0.22	<0.005	0.4	1.45	<2	<10	50	0.7	<2	0.96	2.3	24	8	149	10.60
B374427		1.70	0.247	>100	2.52	<2	<10	10	0.9	<2	363	5.53	>500	50	17	8900
B374428		0.92	<0.005	0.3	0.42	4	<10	100	<0.5	<2	0.98	3.0	3	19	10	1.57
B374429		0.16	0.006	0.8	1.11	569	<10	90	<0.5	<2	0.12	2.3	4	18	65	14.2
		0.78	0.005	3.6	0.27	11	<10	210	<0.5	<2	0.02	2.4	1	15	88	8.02
B374430		0.76	<0.005	9.7	0.30	11	<10	60	<0.5	3	0.47	49.7	9	16	109	6.65
B374431		1.10	<0.005	1.9	0.20	3	<10	90	<0.5	2	4.20	96.1	4	20	63	2.73
B374432		0.34	<0.005	0.3	7.02	2	<10	380	2.4	<2	3.33	1.0	12	57	38	3.12
B374433		0.62	0.009	>100	1.55	20	<10	100	0.6	393	0.97	3.0	5	59	10	1.91
B374434		0.32	<0.005	5.2	4.14	190	<10	80	1.2	4	3.29	4.2	22	19	606	1.08
B374435		2.32	0.018	1.1	0.13	4	<10	10	<0.5	2	3.18	>500	94	6	69	4.07
B374436		1.50	<0.005	3.8	3.15	7	<10	290	1.0	<2	1.22	8.2	28	238	969	5.55
B374437		0.34	0.080	>100	0.73	<2	<10	10	<0.5	2380	0.30	163.5	8	1	>10000	20.4
B374438		0.42	0.007	24.0	0.33	<2	<10	20	<0.5	19	0.38	1.3	2	4	520	13.9
B374439		0.40	<0.005	2.5	0.34	<2	<10	80	<0.5	2	5.66	131.5	3	17	65	1.98
B374440		2.52	<0.005	41.2	2.89	41	<10	80	1.7	62	5.10	112.0	9	49	330	5.36
B374441		0.70	<0.005	22.0	1.76	9	<10	20	1.3	4	1.60	235	10	27	4060	5.69
B374442		0.52	<0.005	28.3	1.63	12	<10	370	5.2	57	7.29	93.1	3	12	42	3.48
B374443		0.84	<0.005	2.6	0.43	967	<10	30	0.5	2	0.11	18.6	5	8	329	9.51
B374444		2.08	<0.005	61.5	1.34	<2	<10	10	0.5	<2	3.03	128.5	12	12	8860	3.43
B374445		1.98	<0.005	1.5	1.66	30	<10	280	0.7	<2	1.94	2.7	15	102	273	2.25
B374446		0.76	0.057	45.0	0.43	<2	<10	<10	<0.5	67	0.74	>500	75	<1	1280	30.4



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Project: Jake

Page: 2 - B

Total # pages: 2 (A - C)

Finalized Date: 23-AUG-2006

Account: MTT

CERTIFICATE OF ANALYSIS VA06069867

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
B374425		10	2	1.17	20	3.80	144	14	0.01	251	1200	71	0.07	<2	2	17
B374426		10	1	0.02	10	2.60	1150	16	0.01	49	260	9790	5.98	4	1	92
B374427		<10	1	0.03	20	0.43	790	<1	0.24	7	650	125	0.03	<2	3	56
B374428		10	<1	0.06	20	1.15	116	50	<0.01	18	70	86	0.99	6	3	15
B374429		<10	2	0.05	<10	0.03	35	3	0.07	3	10	6790	0.24	6	1	9
B374430		<10	1	0.03	10	0.23	1310	4	0.04	12	50	>10000	1.00	11	3	28
B374431		<10	1	0.03	10	2.03	2480	1	0.04	14	20	5180	0.94	2	3	225
B374432		20	<1	1.44	10	2.10	249	<1	0.36	29	640	403	0.77	<2	8	156
B374433		10	1	0.31	30	1.31	685	23	0.01	50	680	8190	0.08	<2	5	33
B374434		10	1	0.12	20	0.38	160	6	0.19	61	1440	388	0.24	3	1	181
B374435		<10	<1	0.05	<10	0.65	529	2	0.01	14	150	107	4.25	<2	<1	44
B374436		10	<1	1.71	20	3.54	309	3	0.09	154	1420	1100	1.44	<2	12	102
B374437		10	<1	0.02	<10	0.79	168	7	<0.01	9	110	>10000	2.79	7	1	34
B374438		10	<1	0.05	<10	0.34	73	2	<0.01	3	640	5180	0.43	7	<1	9
B374439		<10	1	0.04	30	2.95	3520	<1	0.09	10	110	5990	0.45	2	8	339
B374440		20	1	0.15	10	2.82	967	19	0.01	90	4390	>10000	2.15	4	3	127
B374441		10	1	0.56	<10	1.93	662	51	0.02	32	1470	4200	0.80	3	3	50
B374442		<10	<1	0.85	10	3.89	1180	5	0.01	13	60	>10000	0.70	3	4	416
B374443		10	<1	0.18	<10	0.55	495	2	<0.01	7	220	569	0.05	2	1	3
B374444		<10	<1	0.04	<10	1.37	336	4	0.02	18	160	1020	1.53	2	1	103
B374445		10	<1	1.24	60	1.60	100	58	0.05	223	6340	156	1.07	<2	12	163
B374446		10	1	0.01	<10	0.33	293	2	0.01	87	150	1730	>10.0	<2	<1	12



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Project: Jake

CERTIFICATE OF ANALYSIS VA06069867

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Ag-AA46	Cu-AA46	Pb-AA46	Zn-AA46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Ag ppm	Cu %	Pb %	Zn %
		0.01	10	10	1	10	2	1	0.01	0.01	0.01
B374425		0.05	<10	<10	248	<10	299				
B374426		0.06	10	<10	341	30	>10000	199			6.51
B374427		<0.01	<10	<10	26	<10	138				
B374428		<0.01	<10	<10	201	<10	192				
B374429		<0.01	<10	<10	42	<10	1000				
B374430		<0.01	<10	10	65	<10	3190			5.40	
B374431		<0.01	<10	<10	73	<10	5260				
B374432		0.23	<10	<10	53	<10	118				
B374433		0.02	<10	<10	400	<10	472	126			
B374434		0.21	<10	<10	43	<10	579				
B374435		<0.01	<10	<10	13	<10	>10000				4.44
B374436		0.47	10	<10	579	<10	989				
B374437		0.01	<10	<10	165	30	>10000	1425	1.05	10.65	1.54
B374438		0.01	<10	<10	112	<10	472				
B374439		<0.01	<10	<10	62	<10	7380				
B374440		0.13	<10	<10	964	10	>10000			2.89	2.20
B374441		0.15	<10	20	544	10	>10000				3.20
B374442		0.01	<10	<10	41	<10	9690			1.61	
B374443		0.01	<10	<10	40	<10	1060				
B374444		0.07	<10	<10	58	<10	>10000				1.26
B374445		0.36	<10	40	709	<10	262				
B374446		0.02	<10	<10	66	40	>10000				9.75



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Page: 1
Finalized Date: 21-AUG-2006
Account: MTT

CERTIFICATE VA06069865

SAMPLE PREPARATION

Project: Jake
P.O. No.:
This report is for 214 Soil samples submitted to our lab in Vancouver, BC, Canada on 12-JUL-2006.
The following have access to data associated with this certificate:
AL ARCHER
VANCOUVER OFFICE
DOUG EATON
BILL WENGZYNOWSKI
JOAN MARIACHER

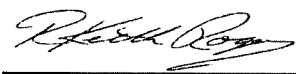
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

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

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Signature: 
Keith Rogers, Executive Manager Vancouver Laboratory



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Project: Jake

Page: 2 - A

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

Account: MTT

CERTIFICATE OF ANALYSIS VA06069865

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
CC13134		0.22	1.8	0.80	279	<10	100	3.2	4	0.40	7.8	29	17	119	6.71	<10
CC13135		0.14	0.5	1.17	15	<10	130	0.8	<2	0.36	2.2	5	13	20	1.88	<10
CC13136		0.24	<0.2	0.78	5	<10	40	0.5	<2	0.26	<0.5	4	11	8	1.23	<10
CC14001		0.28	10.8	3.81	433	<10	100	2.4	22	1.57	25.5	35	26	571	8.97	10
CC14002		0.24	1.6	1.46	34	<10	870	1.6	<2	0.79	6.2	11	45	56	2.81	<10
CC14003		0.22	0.8	1.49	42	<10	170	0.7	<2	0.52	1.3	5	38	71	3.28	10
CC14004		0.24	0.6	3.17	56	<10	150	1.9	3	0.75	3.2	21	47	122	5.56	10
CC14005		0.20	<0.2	2.70	196	<10	120	1.5	<2	0.64	9.6	22	36	89	3.75	10
CC14006		0.24	0.8	2.35	52	<10	180	1.4	<2	0.48	3.7	15	41	85	3.55	10
CC14007		0.18	1.1	2.14	32	<10	120	1.1	<2	0.57	1.7	12	39	89	2.72	10
CC14008		0.26	2.1	2.14	70	<10	80	1.1	3	0.61	5.5	12	30	136	2.71	10
CC14009		0.22	1.2	3.24	68	<10	150	1.5	2	0.46	3.5	20	47	137	3.99	10
CC14010		0.22	0.7	4.43	55	<10	200	1.7	3	0.76	1.4	24	44	100	3.58	10
CC14011		0.20	0.5	3.99	16	<10	110	1.2	2	0.31	1.8	9	39	38	2.52	10
CC14012		0.16	1.0	4.36	83	<10	120	1.7	2	0.53	2.2	16	52	121	3.71	10
CC14013		0.20	<0.2	1.31	16	<10	80	0.5	<2	0.05	0.7	4	19	16	1.76	<10
CC14014		0.22	0.9	2.19	75	<10	80	1.0	<2	0.34	2.5	15	32	46	2.94	<10
CC14015		0.24	0.6	2.41	31	<10	90	0.6	<2	0.11	1.0	5	46	32	3.34	10
CC14016		0.18	3.1	3.83	47	<10	140	1.6	7	0.67	2.2	17	45	219	3.32	10
CC14017		0.20	0.3	4.51	28	<10	120	1.3	2	0.44	1.7	16	40	45	2.44	10
CC14018		0.20	0.5	4.11	53	<10	240	1.4	3	0.80	1.5	28	38	152	2.91	10
CC14019		0.16	<0.2	3.13	22	<10	130	0.9	<2	0.28	0.9	7	48	35	3.33	10
CC14020		0.14	<0.2	1.68	43	<10	70	<0.5	<2	0.19	<0.5	5	53	22	2.61	10
CC14021		0.22	0.6	1.71	24	<10	50	0.8	<2	0.23	1.0	8	27	54	1.98	10
CC14022		0.16	0.5	1.82	44	<10	120	1.1	<2	0.76	6.1	8	31	111	2.26	10
CC14023		0.16	0.3	1.30	32	<10	110	<0.5	<2	0.07	<0.5	3	37	22	2.40	10
CC14024		0.22	0.6	2.44	65	<10	190	1.5	<2	0.40	4.8	14	42	83	5.14	10
CC14025		0.18	0.6	2.91	70	<10	250	1.1	<2	0.45	1.5	11	39	78	5.09	10
CC14026		0.18	2.2	1.53	40	<10	230	1.0	<2	0.70	12.2	7	34	99	3.37	10
CC14027		0.16	0.8	1.65	109	<10	180	3.4	<2	0.52	8.9	16	32	93	5.27	<10
CC14028		0.16	1.0	2.94	176	<10	90	1.3	<2	1.51	4.5	20	50	76	3.44	10
CC14029		0.18	0.3	1.48	34	<10	170	<0.5	<2	0.20	1.1	8	46	50	2.81	10
CC14030		0.18	1.1	1.88	48	<10	140	1.0	<2	0.50	3.3	8	37	70	2.60	10
CC14031		0.16	0.2	1.46	44	<10	80	<0.5	2	0.26	0.6	5	51	22	3.36	10
CC14032		0.20	0.5	4.26	39	<10	110	1.2	2	1.20	3.7	7	39	81	2.79	10
CC14033		0.26	0.5	5.07	64	<10	140	2.1	3	1.88	1.6	32	49	147	3.77	10
CC14034		0.18	0.4	3.13	20	<10	120	0.7	<2	0.32	<0.5	5	51	20	3.64	20
CC14035		0.26	2.3	0.25	2	<10	60	<0.5	5	0.03	<0.5	<1	5	260	24.5	<10
CC14036		0.18	0.2	1.96	26	<10	80	<0.5	2	0.16	<0.5	5	37	31	2.69	10
CC14037		0.18	0.8	2.78	50	<10	120	1.0	6	0.31	1.7	11	42	94	3.58	10



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Page: 2 - B
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
Account: MTT

CERTIFICATE OF ANALYSIS VA06069865

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 %
CC13134		<1	0.10	60	0.36	2760	11	0.01	67	650	289	0.09	2	9	23	<0.01
CC13135		<1	0.06	20	0.81	161	4	0.01	28	1180	36	0.05	3	2	16	0.01
CC13136		<1	0.08	10	1.15	231	3	0.01	17	450	26	0.03	<2	3	8	0.01
CC14001		1	0.08	10	3.73	401	84	0.02	294	790	2930	0.22	10	5	76	0.07
CC14002		<1	0.23	30	1.70	212	44	0.01	199	2360	36	0.07	15	4	26	0.03
CC14003		<1	0.12	20	1.17	151	19	0.01	68	2630	157	0.05	7	1	25	0.03
CC14004		<1	0.16	20	2.60	383	18	0.02	197	1790	116	0.05	4	5	46	0.09
CC14005		<1	0.07	10	1.91	617	17	0.02	107	1300	103	0.09	4	2	110	0.07
CC14006		<1	0.11	20	1.68	310	18	0.01	145	1360	61	0.03	4	3	43	0.10
CC14007		<1	0.12	10	1.42	180	15	0.01	122	1320	131	0.04	3	3	47	0.11
CC14008		1	0.10	10	1.22	317	11	0.03	97	1200	569	0.05	2	2	37	0.06
CC14009		<1	0.12	20	1.36	477	14	0.01	118	1150	331	0.06	3	4	28	0.08
CC14010		1	0.57	20	1.41	297	2	0.09	56	740	167	0.03	2	6	68	0.13
CC14011		<1	0.18	10	0.97	220	2	0.02	24	760	81	0.06	<2	3	23	0.12
CC14012		1	0.25	20	1.61	370	5	0.02	64	620	139	0.05	2	6	31	0.14
CC14013		<1	0.10	10	0.72	199	4	0.01	16	730	39	0.05	<2	<1	6	0.01
CC14014		1	0.15	20	1.58	668	10	0.01	53	930	87	0.04	4	4	14	0.05
CC14015		<1	0.14	20	0.97	178	5	0.01	29	720	46	0.06	2	2	10	0.09
CC14016		<1	0.22	20	1.23	310	4	0.02	78	1530	425	0.04	3	4	36	0.11
CC14017		1	0.26	10	1.06	462	1	0.02	33	1020	79	0.07	<2	4	28	0.11
CC14018		1	0.34	10	1.05	375	1	0.07	66	1020	223	0.03	2	4	53	0.10
CC14019		<1	0.12	20	0.91	195	6	0.01	34	700	58	0.05	<2	4	23	0.13
CC14020		<1	0.11	10	0.83	113	8	<0.01	32	660	53	0.04	<2	2	12	0.12
CC14021		<1	0.07	10	0.66	168	8	0.01	61	940	160	0.03	<2	1	18	0.07
CC14022		1	0.07	10	1.01	448	11	0.02	75	1760	84	0.10	2	1	42	0.04
CC14023		<1	0.08	20	0.89	126	21	0.01	37	800	29	0.04	3	1	13	0.05
CC14024		1	0.08	20	0.98	198	40	0.01	122	1870	45	0.08	9	2	86	0.13
CC14025		<1	0.08	10	1.27	179	25	0.01	126	670	54	0.05	6	3	68	0.14
CC14026		<1	0.08	20	0.57	100	37	0.01	77	1040	69	0.05	11	2	73	0.14
CC14027		<1	0.07	20	0.66	625	32	0.01	241	1620	28	0.04	10	5	27	<0.01
CC14028		<1	0.07	20	2.61	328	15	0.01	116	900	80	0.09	2	5	49	0.12
CC14029		1	0.14	10	1.47	263	16	0.01	77	530	49	0.03	5	3	17	0.13
CC14030		<1	0.10	10	1.46	192	12	0.01	88	1110	170	0.08	4	2	35	0.06
CC14031		<1	0.12	10	1.12	265	15	0.01	40	900	96	0.04	2	2	27	0.18
CC14032		<1	0.14	10	0.87	148	3	0.02	34	810	70	0.08	<2	4	37	0.11
CC14033		<1	0.48	20	1.66	371	1	0.18	73	730	188	0.02	2	7	115	0.16
CC14034		1	0.10	20	0.67	164	2	0.01	18	570	43	0.06	<2	4	31	0.18
CC14035		<1	0.17	<10	0.13	34	2	0.01	<1	600	25	1.48	<2	1	12	0.04
CC14036		<1	0.11	10	1.02	149	4	0.01	28	400	38	0.03	<2	2	15	0.10
CC14037		<1	0.10	10	1.02	324	5	0.01	50	740	240	0.05	2	2	23	0.07



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Page: 2 - C
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
Account: MTT

CERTIFICATE OF ANALYSIS VA06069865

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
CC13134		<10	<10	82	<10	272
CC13135		<10	<10	37	<10	143
CC13136		<10	<10	21	<10	42
CC14001		<10	10	476	<10	3460
CC14002		<10	10	384	<10	818
CC14003		<10	<10	332	<10	468
CC14004		<10	10	514	<10	685
CC14005		<10	<10	497	<10	687
CC14006		<10	<10	426	<10	937
CC14007		<10	10	404	<10	624
CC14008		<10	10	215	<10	743
CC14009		<10	10	192	<10	912
CC14010		<10	<10	66	<10	257
CC14011		<10	<10	70	<10	174
CC14012		<10	<10	111	<10	440
CC14013		<10	<10	53	<10	93
CC14014		<10	<10	124	<10	379
CC14015		<10	<10	205	<10	187
CC14016		<10	<10	281	<10	597
CC14017		<10	<10	73	<10	156
CC14018		<10	<10	118	<10	430
CC14019		<10	<10	137	<10	152
CC14020		<10	<10	308	<10	129
CC14021		<10	<10	269	<10	287
CC14022		<10	20	309	<10	535
CC14023		<10	<10	335	<10	186
CC14024		<10	10	579	<10	410
CC14025		<10	10	485	<10	664
CC14026		<10	10	392	<10	763
CC14027		<10	10	758	<10	1340
CC14028		<10	10	407	<10	666
CC14029		<10	<10	538	<10	407
CC14030		<10	<10	338	<10	539
CC14031		<10	<10	619	<10	195
CC14032		<10	<10	60	<10	247
CC14033		<10	<10	83	<10	453
CC14034		<10	<10	122	<10	84
CC14035		<10	<10	16	<10	9
CC14036		<10	<10	200	<10	138
CC14037		<10	<10	211	<10	404



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Page: 3 - A
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
Account: MTT

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CERTIFICATE OF ANALYSIS VA06069865

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. 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	
CC14038	0.16	0.3	3.39	58	<10	130	1.1	3	0.44	0.7	12	52	63	4.76	10	
CC14039	0.28	0.9	1.66	60	<10	180	1.0	<2	0.79	7.8	14	36	90	3.13	<10	
CC14040	0.24	1.6	1.41	48	<10	220	1.1	<2	1.80	7.5	10	29	76	2.59	<10	
CC14041	0.24	0.7	2.13	32	<10	100	1.0	<2	1.44	5.7	18	41	86	3.08	10	
CC14042	0.30	1.2	2.61	45	<10	80	1.6	<2	1.37	8.4	15	36	79	2.81	10	
CC14043	0.20	2.2	1.73	63	<10	70	1.7	<2	1.75	14.0	8	44	81	1.51	<10	
CC14044	0.20	0.8	4.65	42	<10	70	3.7	<2	2.43	1.6	35	16	111	5.07	10	
CC14045	0.18	0.6	1.04	22	<10	40	0.8	<2	0.75	3.2	9	17	99	1.53	<10	
CC14046	0.18	0.7	2.73	32	<10	180	1.1	<2	1.39	5.0	10	36	60	2.46	10	
CC14047	0.18	1.1	3.81	67	<10	170	1.5	3	1.21	4.9	18	41	124	3.13	10	
CC14048	0.18	0.7	4.17	45	<10	120	1.6	3	0.93	1.8	18	45	190	2.84	10	
CC14049	0.14	3.1	2.85	70	<10	120	0.8	4	0.54	0.5	5	61	68	4.12	20	
CC14050	0.22	3.2	3.52	49	<10	110	1.9	6	1.48	4.2	24	48	237	3.87	10	
CC14051	0.16	1.2	4.89	89	<10	160	1.9	2	0.64	2.8	16	47	116	3.73	10	
CC14052	0.18	1.1	6.12	24	<10	150	1.8	3	0.32	0.5	9	45	57	3.16	10	
CC14053	0.24	0.8	3.42	32	<10	170	1.2	3	0.30	1.0	14	39	68	3.31	10	
CC14054	0.20	2.1	5.53	20	<10	190	1.8	2	0.72	1.4	18	49	86	3.75	10	
CC14055	0.22	0.7	4.39	52	<10	140	1.8	<2	0.41	1.1	21	43	91	3.81	10	
CC14056	0.30	0.9	4.83	71	<10	150	2.3	2	0.74	1.3	22	45	159	4.10	10	
CC14057	0.22	1.2	3.41	34	<10	170	1.2	4	0.49	1.4	14	46	99	3.70	10	
CC14058	0.20	0.2	2.41	42	<10	120	0.7	2	0.38	1.9	9	41	48	2.73	10	
CC14059	0.20	0.4	3.04	50	<10	170	0.8	2	0.32	0.6	13	63	66	3.69	20	
CC14060	0.16	0.8	4.02	40	<10	110	1.2	2	0.41	0.5	11	49	60	3.57	10	
CC14061	0.16	1.2	3.53	42	<10	120	1.4	2	0.81	1.5	13	39	105	2.41	10	
CC14062	0.12	0.8	3.36	47	<10	120	1.6	2	0.96	2.5	20	34	97	2.61	10	
CC14063	0.26	<0.2	0.83	7	<10	40	1.3	<2	0.28	<0.5	4	12	9	1.62	<10	
CC14064	0.20	<0.2	0.64	12	<10	60	0.5	<2	0.22	0.5	3	9	7	1.01	<10	
CC14065	0.20	<0.2	0.49	10	<10	100	<0.5	<2	0.18	<0.5	2	7	7	1.02	<10	
CC14066	0.20	0.7	1.42	28	<10	220	1.0	<2	0.22	2.0	8	20	24	2.66	<10	
CC14067	0.22	0.4	1.03	179	<10	110	0.5	<2	0.07	1.9	13	26	24	3.32	<10	
CC14068	0.20	0.4	1.24	77	<10	140	1.7	<2	0.54	4.2	8	33	14	3.27	<10	
CC14069	0.16	<0.2	0.81	18	<10	60	0.6	<2	0.07	<0.5	5	11	7	1.68	<10	
CC14070	0.22	0.2	0.80	5	<10	80	<0.5	<2	0.26	0.5	3	12	11	1.13	<10	
CC14071	0.18	6.8	1.01	260	<10	150	2.0	<2	2.30	30.2	13	38	107	3.29	<10	
CC14072	0.16	2.5	2.40	37	10	370	1.3	2	3.69	16.3	8	63	53	2.50	10	
CC14073	0.14	<0.2	0.63	8	<10	90	<0.5	<2	0.09	1.1	1	11	11	0.92	<10	
CC14074	0.16	0.5	1.58	323	<10	120	<0.5	<2	0.17	1.2	5	42	44	3.37	10	
CC14075	0.18	0.6	3.19	89	<10	280	0.9	2	0.42	2.3	8	50	68	6.79	10	
CC14076	0.18	0.2	1.64	48	<10	60	0.8	<2	0.08	0.5	11	28	45	4.10	10	
CC14077	0.18	0.8	1.51	20	<10	210	0.8	<2	0.56	2.3	10	25	50	3.04	<10	



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		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
CC14038		<1	0.05	10	0.85	215	8	0.01	50	990	62	0.10	2	3	43	0.10
CC14039		<1	0.14	20	1.59	356	14	0.01	109	1260	160	0.07	3	3	45	0.06
CC14040		<1	0.13	20	1.74	214	19	0.01	122	1540	79	0.08	12	4	45	0.04
CC14041		<1	0.09	20	1.83	235	22	0.02	137	1430	34	0.07	3	3	58	0.10
CC14042		<1	0.06	10	2.23	351	15	0.02	123	1030	30	0.08	5	3	77	0.06
CC14043		<1	0.18	10	2.08	249	10	0.01	122	1480	35	0.08	5	2	55	0.06
CC14044		<1	0.14	10	1.10	756	34	0.03	273	980	54	0.07	9	3	255	0.01
CC14045		<1	0.03	10	0.28	136	9	0.03	43	750	31	0.06	2	<1	34	0.04
CC14046		<1	0.18	10	1.46	185	7	0.08	72	980	86	0.06	3	4	55	0.08
CC14047		<1	0.30	20	1.38	322	2	0.07	56	960	171	0.03	2	5	61	0.11
CC14048		<1	0.28	20	1.23	203	2	0.07	69	930	314	0.02	<2	5	58	0.15
CC14049		<1	0.08	10	0.89	141	7	0.01	47	1060	145	0.04	<2	4	28	0.19
CC14050		<1	0.11	20	1.64	658	1	0.03	72	1510	602	0.01	2	6	79	0.10
CC14051		<1	0.21	20	1.39	363	1	0.03	50	880	181	0.05	<2	5	60	0.10
CC14052		<1	0.16	10	0.84	306	2	0.01	32	1300	175	0.08	<2	6	29	0.08
CC14053		<1	0.17	20	1.23	422	2	0.02	42	730	94	0.03	2	5	29	0.10
CC14054		<1	0.28	20	1.69	365	1	0.03	43	810	327	0.04	<2	6	70	0.14
CC14055		<1	0.18	10	0.99	633	3	0.01	57	1340	149	0.08	<2	4	37	0.09
CC14056		<1	0.28	20	1.43	594	2	0.02	59	910	131	0.04	<2	6	59	0.10
CC14057		<1	0.12	10	1.11	435	2	0.02	46	1040	332	0.04	<2	4	32	0.11
CC14058		<1	0.09	10	1.15	238	2	0.02	46	560	66	0.03	<2	3	28	0.09
CC14059		1	0.27	20	1.36	512	5	0.02	39	640	53	0.05	<2	4	26	0.17
CC14060		<1	0.08	10	0.58	315	4	0.01	30	1050	103	0.08	<2	3	24	0.12
CC14061		<1	0.15	10	1.10	197	2	0.03	61	1070	100	0.04	<2	3	47	0.10
CC14062		<1	0.31	20	1.13	301	2	0.07	44	840	159	0.07	<2	3	50	0.09
CC14063		<1	0.11	30	0.95	142	3	0.01	27	670	22	0.02	2	3	10	0.01
CC14064		<1	0.04	10	0.70	126	1	<0.01	15	380	20	0.02	2	2	7	0.01
CC14065		<1	0.04	10	0.35	85	3	0.01	16	480	14	0.03	3	1	7	<0.01
CC14066		<1	0.08	20	0.84	291	22	0.01	73	1310	57	0.02	10	3	10	0.01
CC14067		<1	0.03	30	0.47	357	7	0.01	51	440	63	0.03	4	4	5	<0.01
CC14068		<1	0.07	40	0.45	870	9	0.01	70	2740	600	0.03	9	3	40	<0.01
CC14069		<1	0.09	20	0.90	254	7	<0.01	19	430	20	0.02	4	1	3	0.01
CC14070		<1	0.08	20	1.08	128	7	0.01	25	460	13	0.01	3	2	5	0.01
CC14071		<1	0.14	20	1.54	471	56	0.01	207	2050	263	0.25	63	6	39	0.01
CC14072		1	0.28	10	4.39	330	20	0.01	82	1880	38	0.05	16	6	63	0.10
CC14073		<1	0.06	20	0.38	51	6	0.01	13	440	13	0.03	3	<1	9	0.02
CC14074		<1	0.12	10	1.09	112	27	0.01	74	840	74	0.04	9	2	36	0.14
CC14075		<1	0.07	10	3.13	393	30	0.01	101	990	455	0.06	2	2	85	0.09
CC14076		1	0.08	20	1.86	236	56	0.01	86	640	41	0.03	9	2	7	0.11
CC14077		<1	0.13	30	1.51	218	22	0.01	74	2850	19	0.03	8	1	34	0.02



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Page: 3 - C
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
Account: MTT

CERTIFICATE OF ANALYSIS VA06069865

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	U	V	W	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC14038		<10	<10	344	<10	137
CC14039		<10	10	331	<10	773
CC14040		<10	<10	269	<10	753
CC14041		<10	10	429	<10	713
CC14042		<10	10	371	<10	1025
CC14043		<10	<10	403	<10	671
CC14044		<10	10	233	<10	106
CC14045		<10	<10	179	<10	136
CC14046		<10	<10	146	<10	550
CC14047		<10	<10	120	<10	477
CC14048		<10	<10	186	<10	425
CC14049		<10	<10	726	<10	175
CC14050		<10	<10	178	<10	636
CC14051		<10	<10	89	<10	529
CC14052		<10	<10	69	<10	223
CC14053		<10	<10	93	<10	236
CC14054		<10	<10	79	<10	370
CC14055		10	<10	109	<10	275
CC14056		<10	<10	87	<10	383
CC14057		<10	<10	138	<10	353
CC14058		<10	<10	223	<10	326
CC14059		<10	<10	215	<10	201
CC14060		<10	<10	196	<10	138
CC14061		<10	<10	241	<10	326
CC14062		<10	<10	77	<10	335
CC14063		<10	<10	19	<10	12
CC14064		<10	<10	17	<10	47
CC14065		<10	<10	16	<10	25
CC14066		<10	<10	105	<10	265
CC14067		<10	<10	67	<10	345
CC14068		<10	<10	169	<10	1000
CC14069		<10	<10	73	<10	63
CC14070		<10	<10	88	<10	70
CC14071		<10	<10	349	<10	1420
CC14072		<10	<10	559	<10	845
CC14073		<10	<10	79	<10	73
CC14074		<10	<10	627	<10	535
CC14075		10	<10	1060	<10	956
CC14076		<10	<10	289	<10	261
CC14077		<10	<10	262	<10	466



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Page: 4 - A

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

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
CC14078		0.22	<0.2	0.87	10	<10	40	<0.5	<2	0.18	1.2	5	14	11	1.36	<10
CC14079		0.20	0.2	1.21	11	<10	80	<0.5	<2	0.32	0.7	5	18	14	1.84	<10
CC14080		0.22	0.3	1.35	15	<10	170	0.5	<2	0.20	1.6	8	18	27	2.63	<10
CC14081		0.22	0.2	1.86	30	<10	240	0.9	<2	2.16	0.5	7	42	9	2.39	10
CC14082		0.24	0.3	1.09	9	<10	150	0.5	<2	0.10	0.5	5	14	15	1.63	<10
CC14083		0.16	<0.2	0.83	8	<10	80	<0.5	<2	0.02	<0.5	9	12	9	1.46	<10
CC14084		0.24	<0.2	1.22	10	<10	80	0.5	<2	0.06	<0.5	3	14	9	1.38	<10
CC14085		0.20	<0.2	0.73	17	<10	60	0.5	<2	0.29	1.3	5	11	9	1.62	<10
CC14086		0.22	<0.2	0.43	6	<10	50	<0.5	<2	0.01	<0.5	2	7	6	0.77	<10
CC14087		0.18	<0.2	0.84	9	<10	40	<0.5	<2	0.17	<0.5	2	11	8	1.28	<10
CC14088		0.30	<0.2	0.54	<2	<10	40	<0.5	<2	0.17	<0.5	4	8	8	1.16	<10
CC14089		0.18	<0.2	0.46	2	<10	20	<0.5	<2	1.54	<0.5	5	7	9	0.98	<10
CC14090		0.18	<0.2	0.69	7	<10	50	<0.5	<2	0.19	<0.5	1	9	5	0.92	<10
CC14091		0.20	<0.2	1.28	16	<10	70	0.7	<2	0.09	0.8	6	15	9	1.79	<10
CC14092		0.14	<0.2	0.73	14	<10	70	<0.5	3	0.07	1.0	6	13	12	1.81	<10
CC14093		0.16	0.3	0.78	17	<10	70	<0.5	3	0.09	1.2	5	15	16	1.81	<10
CC14094		0.20	<0.2	0.46	4	<10	80	<0.5	<2	0.05	<0.5	2	5	5	0.48	<10
CC14095		0.20	<0.2	0.80	<2	<10	60	<0.5	<2	0.15	<0.5	4	10	5	0.89	<10
CC14096		0.18	<0.2	1.75	13	<10	50	0.5	<2	0.20	<0.5	3	28	5	1.29	10
CC14097		0.24	0.6	1.22	25	<10	60	0.7	<2	1.98	5.3	5	22	24	1.67	<10
CC14098		0.20	0.7	2.23	30	<10	230	0.8	<2	1.78	2.7	4	48	34	2.79	10
CC14099		0.18	1.9	1.61	28	<10	320	1.0	<2	0.60	9.3	9	36	57	2.42	<10
CC14100		0.22	1.2	1.37	24	<10	280	0.6	<2	0.52	2.8	10	25	35	2.71	<10
CC14214		0.22	0.7	3.18	37	<10	110	1.1	3	0.19	2.0	6	64	43	3.19	10
CC14215		0.22	2.1	3.68	68	<10	150	1.6	<2	0.46	3.6	22	72	412	3.87	10
CC14216		0.22	0.9	2.55	22	<10	450	1.2	<2	0.40	3.6	11	66	69	3.02	10
CC14217		0.20	3.1	3.12	679	<10	140	1.7	3	0.32	2.8	27	56	115	3.68	10
CC14218		0.24	1.5	1.88	58	<10	220	1.2	<2	0.59	2.9	19	29	69	4.47	10
CC14219		0.20	2.9	1.29	33	<10	190	0.9	<2	0.49	6.6	6	48	43	1.70	<10
CC14220		0.20	2.9	1.67	33	10	300	1.8	<2	10.70	18.7	8	42	91	2.45	10
CC14221		0.24	1.4	1.19	16	<10	160	0.9	<2	1.37	6.0	5	24	27	1.94	<10
CC14222		0.24	1.8	0.90	12	<10	80	0.7	2	0.45	12.7	7	19	38	2.07	<10
CC14223		0.20	1.1	1.24	60	<10	160	1.7	2	0.89	15.1	12	38	61	2.81	<10
CC14224		0.14	2.1	2.02	25	<10	230	1.3	<2	0.96	6.8	9	44	64	2.34	10
CC14225		0.22	2.0	1.93	27	<10	150	1.4	<2	0.41	10.8	13	30	70	3.48	<10
CC14226		0.26	0.3	1.64	19	<10	160	0.7	<2	0.23	0.6	11	31	23	1.97	10
CC14227		0.18	2.0	1.87	37	<10	250	0.7	2	0.74	3.4	25	40	120	4.98	10
CC14228		0.22	2.2	3.90	8	<10	110	1.3	<2	1.33	2.9	8	35	73	1.52	10
CC14229		0.16	0.6	2.35	77	<10	100	1.1	3	0.21	2.0	12	44	99	3.07	10
CC14230		0.22	2.5	3.18	71	<10	70	1.5	5	0.51	2.6	12	51	75	2.97	10



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Page: 4 - B
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
Account: MTT

Project: Jake

CERTIFICATE OF ANALYSIS VA06069865

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	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
	Units LOR	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1	ppm 1	% 0.01
CC14078	<1	0.08	20	1.09	343	3	0.01	22	620	24	0.01	2	2	6	0.03	
CC14079	<1	0.07	20	0.86	173	5	0.01	24	390	25	0.02	3	1	19	0.03	
CC14080	<1	0.06	30	0.96	376	3	0.01	34	790	165	0.04	3	2	19	0.02	
CC14081	<1	0.09	10	2.98	395	1	0.01	26	1960	25	0.09	3	6	44	0.10	
CC14082	<1	0.07	20	1.12	236	3	0.01	24	410	22	0.02	3	2	7	0.01	
CC14083	<1	0.05	20	0.48	451	2	0.01	11	490	15	0.02	<2	1	4	0.01	
CC14084	<1	0.06	20	0.89	135	1	0.01	13	580	15	0.03	<2	1	6	0.02	
CC14085	<1	0.07	20	0.83	173	5	0.01	25	970	14	0.03	3	2	10	0.01	
CC14086	<1	0.04	10	0.22	150	2	0.01	8	540	11	0.03	2	<1	2	0.01	
CC14087	<1	0.03	10	0.48	52	2	0.01	12	520	17	0.02	<2	1	6	<0.01	
CC14088	<1	0.06	20	0.57	133	2	0.01	12	370	11	0.02	<2	2	7	0.01	
CC14089	<1	0.10	20	1.04	146	5	0.01	19	310	21	0.02	<2	2	29	<0.01	
CC14090	<1	0.03	10	0.83	93	1	<0.01	11	330	12	0.02	<2	1	5	0.01	
CC14091	<1	0.06	20	1.47	182	3	<0.01	19	520	25	0.01	3	2	4	0.01	
CC14092	<1	0.05	10	0.50	211	6	<0.01	25	750	22	0.02	4	<1	4	<0.01	
CC14093	<1	0.07	20	0.42	123	10	<0.01	33	960	32	0.01	5	1	4	0.01	
CC14094	<1	0.04	20	0.24	53	2	<0.01	5	520	7	0.01	2	<1	5	<0.01	
CC14095	<1	0.06	20	0.93	91	4	<0.01	15	330	7	<0.01	2	1	5	0.01	
CC14096	<1	0.05	10	2.40	104	3	<0.01	18	170	33	0.01	3	2	3	0.03	
CC14097	<1	0.13	10	2.38	284	4	0.01	30	770	10	0.12	8	3	27	0.02	
CC14098	<1	0.15	10	3.96	503	14	0.01	74	4180	28	0.10	10	4	28	0.02	
CC14099	<1	0.16	20	1.70	435	14	0.01	98	2600	105	0.03	22	2	22	0.02	
CC14100	1	0.17	20	1.32	267	13	0.01	62	2410	40	0.02	14	1	26	0.02	
CC14214	<1	0.07	20	0.74	275	6	0.01	34	1460	211	0.10	<2	2	24	0.09	
CC14215	<1	0.14	20	2.52	414	19	0.01	175	1110	697	0.03	3	5	44	0.13	
CC14216	<1	0.10	20	2.99	256	18	0.01	118	1050	81	0.01	9	7	20	0.09	
CC14217	<1	0.18	10	3.04	373	14	0.01	155	1380	775	0.05	68	6	28	0.10	
CC14218	<1	0.22	20	2.29	723	39	<0.01	136	1660	85	0.05	15	5	27	0.03	
CC14219	1	0.22	20	1.39	132	25	0.01	98	1340	57	0.02	12	2	14	0.03	
CC14220	<1	0.43	20	6.16	224	31	0.01	113	1490	38	0.08	16	6	149	0.03	
CC14221	<1	0.06	20	1.05	273	6	0.01	37	950	43	0.04	7	2	18	0.02	
CC14222	1	0.12	20	1.13	173	5	<0.01	47	740	24	0.04	7	5	10	0.01	
CC14223	1	0.15	30	1.34	273	30	0.01	136	2900	59	0.06	7	6	28	0.01	
CC14224	<1	0.21	20	2.82	183	14	0.01	126	2680	34	0.03	8	4	25	0.03	
CC14225	<1	0.27	10	3.03	238	34	<0.01	119	750	45	0.01	14	5	12	0.10	
CC14226	<1	0.15	20	1.95	130	25	<0.01	69	650	22	0.01	5	3	6	0.03	
CC14227	<1	0.17	20	2.05	403	30	0.01	85	1590	137	0.08	10	3	36	0.06	
CC14228	<1	0.16	10	3.74	317	2	0.09	30	350	730	0.01	<2	4	67	0.11	
CC14229	<1	0.08	20	0.94	307	10	0.01	55	1390	762	0.11	3	2	19	0.07	
CC14230	<1	0.07	20	2.87	488	6	0.01	90	1800	782	0.03	3	3	27	0.09	



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Page: 4 - C

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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
CC14078		<10	<10	77	<10	164
CC14079		<10	<10	159	<10	282
CC14080		<10	<10	55	<10	281
CC14081		<10	<10	127	<10	111
CC14082		<10	<10	31	<10	73
CC14083		<10	<10	39	<10	56
CC14084		<10	<10	34	<10	44
CC14085		<10	<10	35	<10	133
CC14086		<10	<10	29	<10	36
CC14087		<10	<10	31	<10	40
CC14088		<10	<10	14	<10	21
CC14089		<10	<10	7	<10	14
CC14090		<10	<10	17	<10	22
CC14091		<10	<10	30	<10	48
CC14092		<10	<10	65	<10	108
CC14093		<10	<10	117	<10	149
CC14094		<10	<10	25	<10	33
CC14095		<10	<10	41	<10	33
CC14096		10	<10	268	<10	68
CC14097		<10	<10	108	<10	212
CC14098		<10	<10	268	<10	179
CC14099		<10	<10	306	<10	857
CC14100		<10	<10	275	<10	573
CC14214		10	<10	469	<10	154
CC14215		<10	10	506	<10	1440
CC14216		<10	<10	611	<10	1210
CC14217		10	<10	420	<10	1750
CC14218		<10	<10	267	<10	396
CC14219		<10	<10	713	<10	755
CC14220		<10	10	610	<10	852
CC14221		<10	<10	146	<10	259
CC14222		<10	<10	97	<10	249
CC14223		<10	<10	369	<10	823
CC14224		<10	<10	413	<10	618
CC14225		<10	<10	271	<10	755
CC14226		<10	<10	307	<10	73
CC14227		10	10	367	<10	733
CC14228		<10	<10	65	<10	507
CC14229		<10	<10	293	<10	597
CC14230		<10	<10	500	<10	1190



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Page: 5 - A
Total # Pages: 7 (A - C)
Finalized Date: 21-AUG-2006
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CERTIFICATE OF ANALYSIS VA06069865

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
CC14231		0.24	2.5	3.03	96	<10	100	1.6	6	0.78	4.6	17	38	268	3.18	10
CC14232		0.26	0.7	4.56	95	<10	120	2.0	<2	0.86	1.7	27	44	140	3.42	10
CC14233		0.14	0.4	3.12	28	<10	140	1.2	<2	0.21	1.2	11	42	48	3.04	10
CC14234		0.20	2.5	2.25	50	<10	450	1.4	<2	0.33	4.4	24	45	77	5.23	10
CC14235		0.22	1.1	3.91	41	<10	140	2.3	<2	0.71	9.4	35	60	92	5.91	10
CC14236		0.24	0.6	1.67	34	<10	40	1.2	<2	0.77	5.1	12	41	94	2.54	10
CC14237		0.18	0.5	1.40	21	<10	100	1.0	2	0.58	3.5	6	31	23	1.57	10
CC14238		0.18	1.2	1.33	18	<10	160	1.0	<2	0.66	5.3	7	33	30	1.67	<10
CC14239		0.22	1.0	2.95	35	<10	110	1.2	<2	0.28	2.3	14	45	84	3.85	10
CC14240		0.30	2.9	3.86	105	<10	130	2.5	4	0.90	14.7	30	47	264	5.86	10
CC14241		0.20	8.3	3.47	239	<10	80	2.3	2	1.80	22.8	31	94	645	4.40	10
CC14242		0.20	0.7	3.91	80	<10	210	1.5	<2	1.04	2.9	24	51	165	3.55	10
CC14243		0.18	0.3	5.30	23	<10	240	1.9	<2	0.42	<0.5	20	51	59	3.26	10
CC14244		0.20	0.4	3.64	40	<10	130	1.2	2	0.24	3.9	16	29	39	2.42	10
CC14245		0.20	0.4	6.64	43	<10	110	2.3	<2	0.54	2.3	13	40	61	2.52	10
CC14246		0.18	<0.2	6.37	39	<10	140	2.1	<2	0.47	0.5	16	38	57	2.58	10
CC14247		0.16	0.8	2.69	49	<10	130	1.4	<2	0.30	3.0	22	60	118	4.19	10
CC14248		0.20	1.7	2.51	147	<10	150	1.3	2	4.72	27.7	17	30	231	4.84	10
CC14249		0.22	6.7	3.72	673	<10	60	2.7	<2	2.02	28.7	61	49	427	7.45	10
CC14250		0.22	<0.2	1.71	47	<10	330	<0.5	2	0.13	0.9	5	47	39	5.01	10
CC14427		0.24	0.6	1.14	30	<10	220	0.6	<2	0.42	1.6	12	17	41	2.88	<10
CC14428		0.16	1.0	1.83	281	<10	270	0.8	2	0.39	2.8	8	27	55	2.34	<10
CC14429		0.20	0.6	2.28	36	<10	200	0.9	<2	0.60	3.7	6	35	41	2.03	10
CC14430		0.20	0.6	1.94	38	<10	180	0.9	<2	0.53	4.2	8	34	47	2.03	10
CC14431		0.20	0.5	1.67	44	<10	90	0.8	<2	0.26	1.1	6	28	87	2.25	10
CC14432		0.18	0.2	1.85	44	<10	80	0.6	2	0.20	<0.5	6	38	45	3.02	10
CC14433		0.22	0.2	1.72	30	<10	110	0.8	<2	0.31	1.0	8	35	32	2.41	10
CC14434		0.18	0.3	1.62	64	<10	100	1.3	<2	0.46	2.1	8	28	81	2.17	<10
CC14435		0.20	0.6	5.56	168	<10	130	2.1	<2	1.45	2.7	14	62	93	4.02	10
CC14436		0.32	0.7	1.72	35	<10	160	0.8	<2	0.06	0.5	5	28	59	5.36	10
CC14437		0.24	0.7	1.08	29	<10	150	1.0	<2	13.9	0.7	5	22	25	1.62	<10
CC14438		0.18	2.4	2.19	27	10	360	2.3	<2	1.56	4.6	10	50	87	2.51	10
CC14439		0.22	2.5	0.79	43	<10	190	1.4	<2	1.24	27.5	6	18	78	2.00	<10
CC14440		0.24	1.4	1.04	85	<10	420	2.5	<2	0.75	14.0	12	47	60	3.42	<10
CC14441		0.18	0.9	1.26	154	<10	160	0.7	<2	0.44	1.3	8	18	88	2.88	<10
CC14442		0.28	0.7	2.24	51	<10	170	1.2	<2	0.39	2.3	16	40	130	3.05	10
CC14443		0.20	1.9	4.46	27	<10	160	1.7	<2	0.16	0.8	4	52	34	2.79	10
CC14444		0.22	0.3	2.23	32	<10	130	1.5	<2	0.30	1.0	6	33	89	2.35	10
CC14445		0.18	<0.2	1.97	68	<10	130	0.9	<2	0.48	2.3	11	53	70	3.20	10
CC14446		0.28	1.0	2.47	204	<10	80	1.4	<2	0.31	1.6	15	33	203	3.82	10



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Page: 5 - B

Total # Pages: 7 (A - C)

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CERTIFICATE OF ANALYSIS VA06069865

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	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%
CC14231	1	<1	0.10	10	1.30	379	12	0.01	132	950	730	0.05	<2	3	58	0.07
CC14232	2	0.40	20	1.56	305	2	0.06	65	1200	141	0.01	2	6	56	0.14	
CC14233	<1	0.14	20	1.21	295	5	0.01	43	810	61	0.06	<2	2	14	0.06	
CC14234	2	0.14	20	1.50	403	32	0.01	152	1460	50	0.04	7	3	43	0.07	
CC14235	<1	0.08	20	4.35	505	49	0.01	261	1670	106	0.05	9	6	45	0.24	
CC14236	<1	0.18	20	2.67	227	54	<0.01	105	680	50	0.06	6	4	15	0.09	
CC14237	<1	0.08	20	1.68	153	6	0.01	47	1410	55	0.02	3	2	16	0.02	
CC14238	<1	0.13	20	1.74	183	11	0.01	72	1400	41	0.03	8	3	18	0.02	
CC14239	<1	0.12	20	0.92	251	21	0.01	99	1420	96	0.08	3	3	34	0.11	
CC14240	<1	0.17	20	1.59	304	25	0.02	268	2030	328	0.09	5	4	72	0.09	
CC14241	<1	0.10	20	2.62	755	130	0.03	393	4400	5540	0.10	7	4	109	0.11	
CC14242	<1	0.43	20	1.79	265	3	0.11	80	960	202	0.01	<2	6	58	0.16	
CC14243	<1	0.77	20	1.41	242	1	0.04	41	700	50	0.03	<2	6	29	0.15	
CC14244	1	0.35	10	0.83	262	2	0.03	35	940	40	0.07	<2	3	19	0.08	
CC14245	<1	0.22	20	0.91	215	2	0.01	37	1140	157	0.07	<2	5	24	0.09	
CC14246	3	0.27	20	0.98	233	1	0.02	38	1080	90	0.06	3	5	25	0.10	
CC14247	<1	0.22	20	1.89	676	13	0.01	114	1050	271	0.04	3	3	23	0.11	
CC14248	<1	0.06	20	4.66	350	15	0.02	160	1100	44	0.10	3	3	274	0.06	
CC14249	1	0.04	30	5.50	1340	84	0.01	361	890	3410	0.21	7	6	70	0.11	
CC14250	<1	0.09	20	0.55	162	21	0.01	33	950	63	0.07	4	1	120	0.18	
CC14427	<1	0.06	30	0.54	550	7	0.01	52	1220	71	0.05	3	2	20	0.01	
CC14428	<1	0.06	10	2.11	460	3	0.02	32	790	332	0.04	4	4	17	0.04	
CC14429	1	0.14	10	2.46	217	9	0.03	58	920	61	0.02	4	4	40	0.12	
CC14430	<1	0.08	10	1.85	352	7	0.03	57	1060	125	0.02	4	3	30	0.09	
CC14431	<1	0.07	20	0.76	176	6	0.01	42	1130	133	0.05	<2	1	21	0.05	
CC14432	<1	0.05	20	0.72	221	8	0.01	40	800	74	0.07	2	2	13	0.09	
CC14433	<1	0.05	10	1.13	261	3	0.01	55	760	71	0.05	<2	1	28	0.06	
CC14434	<1	0.06	10	0.86	458	4	0.02	42	1390	170	0.11	2	1	19	0.03	
CC14435	1	0.33	20	1.94	267	4	0.22	47	650	123	0.07	<2	7	69	0.18	
CC14436	<1	0.10	20	0.57	141	7	0.01	26	1180	57	0.10	4	2	10	0.03	
CC14437	<1	0.24	10	9.34	220	23	0.01	68	680	26	0.03	8	4	130	0.01	
CC14438	<1	0.47	30	2.63	214	17	0.01	168	4260	38	0.03	11	6	40	0.02	
CC14439	<1	0.09	20	0.51	275	19	0.02	156	1620	141	0.08	11	2	28	0.01	
CC14440	<1	0.11	40	0.34	318	52	0.01	160	1300	87	0.03	11	6	24	0.01	
CC14441	<1	0.06	20	0.79	314	5	0.01	42	980	272	0.07	2	2	16	0.01	
CC14442	<1	0.09	20	1.22	369	8	0.01	89	1130	203	0.02	<2	3	23	0.10	
CC14443	1	0.06	10	0.70	82	9	0.01	33	1150	33	0.10	<2	4	12	0.09	
CC14444	<1	0.05	10	0.81	147	8	0.02	48	1160	259	0.10	<2	<1	26	0.04	
CC14445	<1	0.09	10	1.07	434	9	0.02	53	1130	97	0.09	2	1	28	0.08	
CC14446	<1	0.09	10	1.15	265	23	0.01	183	680	184	0.06	2	2	20	0.07	



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Page: 5 - C

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
CC14231		<10	10	257	<10	998
CC14232		<10	10	108	<10	182
CC14233		<10	<10	96	<10	233
CC14234		<10	10	321	<10	854
CC14235		<10	10	529	<10	1320
CC14236		<10	<10	482	<10	601
CC14237		<10	<10	234	<10	330
CC14238		<10	<10	241	<10	417
CC14239		<10	10	386	<10	703
CC14240		<10	30	354	<10	2170
CC14241		10	30	1500	<10	4210
CC14242		<10	10	164	<10	388
CC14243		<10	<10	66	<10	138
CC14244		<10	<10	50	<10	154
CC14245		<10	<10	70	<10	164
CC14246		<10	<10	53	<10	135
CC14247		<10	10	622	<10	743
CC14248		<10	10	494	<10	3010
CC14249		<10	10	1105	<10	2350
CC14250		<10	<10	711	<10	184
CC14427		<10	<10	60	<10	231
CC14428		<10	<10	124	<10	868
CC14429		<10	<10	307	<10	584
CC14430		<10	<10	324	<10	523
CC14431		<10	<10	173	<10	282
CC14432		<10	<10	310	<10	166
CC14433		<10	<10	257	<10	187
CC14434		<10	10	154	<10	261
CC14435		<10	10	122	<10	337
CC14436		<10	<10	80	<10	157
CC14437		<10	<10	94	<10	96
CC14438		<10	<10	529	<10	773
CC14439		<10	<10	155	<10	958
CC14440		<10	<10	603	<10	1150
CC14441		<10	<10	58	<10	420
CC14442		<10	<10	254	<10	548
CC14443		<10	<10	301	<10	129
CC14444		<10	<10	170	<10	242
CC14445		<10	<10	264	<10	278
CC14446		<10	10	208	<10	734



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Page: 6 - A

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CERTIFICATE OF ANALYSIS VA06069865

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
CC14447		0.20	0.4	4.37	42	<10	240	1.6	2	0.48	1.0	18	46	68	3.60	10
CC14448		0.20	0.5	3.53	265	<10	130	1.6	<2	0.41	1.5	17	47	174	3.68	10
CC14449		0.16	<0.2	0.65	15	<10	50	<0.5	<2	0.08	<0.5	1	19	13	1.19	10
CC14450		0.20	0.9	2.64	48	<10	170	1.3	<2	0.35	2.4	13	42	92	3.63	10
CC14451		0.26	1.1	1.02	45	<10	160	1.3	<2	2.86	3.0	13	20	71	3.07	10
CC14452		0.24	1.6	1.15	27	<10	110	1.1	<2	2.46	2.9	9	18	59	2.18	<10
CC14453		0.14	0.9	0.77	22	<10	100	0.8	3	0.50	3.5	8	14	38	2.21	<10
CC14454		0.24	2.1	0.87	13	<10	150	0.9	<2	0.50	8.5	9	20	52	2.13	<10
CC14455		0.28	0.2	1.08	20	<10	50	<0.5	<2	0.29	<0.5	4	16	6	0.78	<10
CC14456		0.24	0.8	0.55	69	<10	90	0.9	2	0.82	3.9	8	25	32	1.76	<10
CC14457		0.22	0.7	0.72	21	<10	70	0.8	<2	6.36	3.0	5	15	34	1.68	<10
CC14458		0.18	0.7	0.32	12	<10	50	0.6	<2	15.6	3.2	1	9	14	1.03	<10
CC14459		0.22	1.4	1.15	19	<10	150	1.0	<2	0.60	3.9	9	20	55	2.06	<10
CC14460		0.28	0.5	1.11	52	<10	150	1.1	4	0.12	0.6	15	14	68	4.75	<10
CC14461		0.18	1.1	1.13	74	<10	130	0.7	3	0.34	1.0	8	18	89	2.03	<10
CC14462		0.20	0.3	0.58	33	<10	50	<0.5	2	0.04	0.7	5	14	22	1.69	<10
CC14463		0.22	0.2	1.21	42	<10	110	<0.5	2	0.08	0.8	5	23	27	3.03	10
CC14464		0.26	0.3	1.46	69	<10	120	1.0	2	0.17	1.7	8	26	40	2.64	<10
CC14465		0.18	0.5	1.53	112	<10	140	0.8	3	0.45	2.5	13	30	51	2.41	<10
CC14466		0.20	<0.2	2.76	33	<10	110	1.0	3	0.21	0.9	10	27	27	2.33	10
CC14467		0.22	0.3	2.52	64	<10	150	1.0	3	0.28	1.7	12	44	46	3.28	10
CC14468		0.18	0.2	2.59	29	<10	130	1.2	2	0.22	1.1	14	35	56	2.74	10
CC14469		0.20	<0.2	1.46	37	<10	200	0.6	<2	0.20	1.0	9	28	36	2.58	10
CC14470		0.18	0.4	1.60	49	<10	140	0.8	2	0.22	1.1	11	31	44	2.89	10
CC14471		0.22	0.3	0.56	67	<10	210	<0.5	3	0.41	5.2	6	13	32	1.49	<10
CC14472		0.22	0.3	1.43	87	<10	160	0.7	2	0.21	0.8	9	22	49	2.64	<10
CC14473		0.20	1.5	1.14	141	<10	160	1.1	3	0.68	2.6	13	16	119	3.66	<10
CC14474		0.20	0.7	1.23	34	<10	190	1.1	3	0.87	3.4	12	19	55	3.25	<10
CC14475		0.32	0.4	0.97	44	<10	80	<0.5	3	0.07	0.8	8	17	36	3.31	<10
CC14476		0.20	1.0	0.79	13	<10	140	1.1	2	0.76	2.7	8	17	26	2.03	<10
CC14477		0.20	0.9	1.03	55	<10	130	1.3	<2	5.83	2.8	9	16	43	3.46	<10
CC14478		0.20	0.3	0.66	14	<10	90	0.6	<2	11.85	<0.5	3	13	15	1.39	<10
CC14479		0.24	1.2	1.16	75	<10	130	0.7	2	0.35	1.2	8	17	82	2.54	<10
CC14480		0.26	2.1	1.31	160	<10	110	0.8	<2	0.39	5.1	9	25	155	2.45	<10
CC14481		0.22	1.6	2.21	71	<10	100	0.8	2	0.34	1.3	7	27	83	1.79	10
CC14482		0.18	0.2	1.41	28	<10	80	0.5	2	0.10	0.9	9	27	23	2.52	10
CC14483		0.16	<0.2	1.54	29	<10	80	0.5	3	0.15	1.0	8	25	31	2.59	<10
CC14484		0.20	<0.2	2.18	20	<10	70	0.5	3	0.11	0.7	9	20	40	2.10	10
CC14485		0.18	0.2	3.06	43	<10	100	1.2	<2	0.15	0.8	17	39	84	3.33	10
CC14486		0.12	<0.2	2.28	28	<10	100	0.8	<2	0.17	1.1	9	31	31	2.92	10



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Page: 6 - B

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

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 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1	Ti % 0.01
CC14447		1	0.61	20	1.46	286	2	0.05	50	680	103	0.05	<2	5	40	0.13
CC14448		1	0.17	20	1.46	310	14	0.02	97	1230	108	0.09	3	4	26	0.09
CC14449		<1	0.06	10	0.21	72	11	0.01	16	350	20	0.04	2	1	7	0.12
CC14450		<1	0.08	20	1.58	649	11	0.02	86	1270	449	0.05	<2	3	25	0.08
CC14451		<1	0.14	20	2.25	428	29	0.02	95	1520	34	0.06	9	5	37	0.01
CC14452		<1	0.18	20	2.55	307	24	0.01	65	1180	42	0.04	9	4	32	0.01
CC14453		1	0.08	20	0.55	131	18	<0.01	60	1080	27	0.04	6	3	15	0.01
CC14454		<1	0.12	30	0.71	354	20	0.01	89	1150	19	0.04	10	4	14	0.01
CC14455		<1	0.08	20	1.38	122	1	0.01	13	430	11	0.03	<2	2	7	0.01
CC14456		1	0.08	20	0.15	109	24	0.01	68	4130	47	0.02	13	3	34	0.01
CC14457		<1	0.10	20	3.99	377	6	0.01	55	3250	32	0.05	3	3	53	0.01
CC14458		<1	0.03	20	9.04	395	2	0.03	20	1280	17	0.07	<2	1	135	<0.01
CC14459		<1	0.17	20	1.39	393	20	0.01	71	1360	49	0.03	9	4	15	0.01
CC14460		<1	0.08	30	0.45	370	10	0.01	57	1450	77	0.07	4	2	14	0.01
CC14461		1	0.07	30	0.59	160	4	0.01	36	890	230	0.04	<2	2	11	0.01
CC14462		1	0.03	10	0.18	141	3	0.01	11	650	58	0.06	3	<1	5	0.01
CC14463		<1	0.06	20	0.49	159	6	0.01	22	520	77	0.04	3	1	13	0.06
CC14464		<1	0.06	20	0.69	351	6	0.01	40	1060	717	0.06	<2	1	16	0.03
CC14465		<1	0.08	20	0.84	502	5	0.01	47	850	226	0.05	2	2	19	0.04
CC14466		1	0.05	10	0.50	202	4	0.01	40	840	66	0.04	2	2	16	0.06
CC14467		1	0.11	20	1.06	278	5	0.01	40	610	78	0.05	2	3	18	0.09
CC14468		2	0.06	20	0.70	296	3	0.01	42	1140	51	0.05	<2	2	16	0.06
CC14469		1	0.07	20	0.71	287	5	0.01	37	550	113	0.05	4	1	17	0.04
CC14470		<1	0.08	20	0.89	249	9	0.01	55	860	137	0.05	4	2	23	0.06
CC14471		<1	0.06	20	0.19	1205	6	0.01	15	960	98	0.08	<2	1	14	0.03
CC14472		<1	0.08	30	0.69	183	4	0.01	40	760	130	0.05	2	2	14	0.03
CC14473		<1	0.06	30	1.08	533	14	0.01	72	1180	211	0.06	4	3	19	<0.01
CC14474		1	0.10	30	0.53	267	14	0.02	102	2300	239	0.06	4	5	32	0.01
CC14475		<1	0.08	30	0.40	133	8	0.01	36	700	71	0.04	3	2	10	0.03
CC14476		<1	0.08	20	0.56	238	6	0.01	51	1200	30	0.06	3	3	20	0.01
CC14477		<1	0.07	40	3.87	360	21	0.01	81	1430	111	0.11	5	4	84	<0.01
CC14478		<1	0.04	20	7.36	429	2	0.02	22	1420	42	0.06	4	1	116	0.01
CC14479		1	0.07	30	0.67	208	5	0.01	39	1020	196	0.03	<2	2	12	0.01
CC14480		<1	0.09	20	1.12	284	5	0.01	45	1110	1210	0.03	2	3	29	0.06
CC14481		<1	0.09	20	1.85	190	2	0.01	33	870	650	0.03	2	3	20	0.05
CC14482		1	0.06	20	0.41	301	11	0.01	22	350	36	0.03	<2	2	12	0.10
CC14483		1	0.06	20	0.50	247	4	0.01	28	760	68	0.04	3	1	16	0.05
CC14484		1	0.08	10	0.49	165	3	0.02	21	800	26	0.06	<2	2	11	0.05
CC14485		1	0.11	20	0.87	265	6	0.01	43	750	52	0.05	<2	4	15	0.09
CC14486		2	0.05	20	0.54	299	3	0.01	27	880	88	0.07	<2	1	15	0.04



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Page: 6 - C
 Total # Pages: 7 (A - C)
 Finalized Date: 21-AUG-2006
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CERTIFICATE OF ANALYSIS VA06069865

Sample Description	Method Analyte Units LOR	ME-ICP41				
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
CC14447		<10	<10	74	<10	242
CC14448		<10	30	166	<10	433
CC14449		<10	<10	188	<10	37
CC14450		<10	<10	334	<10	656
CC14451		<10	<10	120	<10	337
CC14452		<10	<10	162	<10	294
CC14453		<10	<10	57	<10	189
CC14454		<10	<10	133	<10	362
CC14455		<10	<10	20	<10	22
CC14456		<10	<10	249	<10	432
CC14457		<10	<10	59	<10	228
CC14458		<10	<10	34	<10	113
CC14459		<10	<10	183	<10	329
CC14460		<10	<10	45	<10	141
CC14461		<10	<10	46	<10	215
CC14462		<10	<10	59	<10	87
CC14463		<10	<10	139	<10	119
CC14464		<10	<10	145	<10	353
CC14465		<10	<10	135	<10	394
CC14466		<10	<10	89	<10	136
CC14467		<10	<10	120	<10	412
CC14468		<10	<10	122	<10	146
CC14469		<10	<10	142	<10	229
CC14470		<10	<10	257	<10	393
CC14471		<10	<10	67	<10	153
CC14472		<10	<10	59	<10	167
CC14473		<10	<10	63	<10	420
CC14474		<10	<10	98	<10	518
CC14475		<10	<10	69	<10	179
CC14476		<10	<10	65	<10	252
CC14477		<10	<10	81	<10	556
CC14478		<10	<10	41	<10	101
CC14479		<10	<10	48	<10	264
CC14480		<10	<10	112	<10	1440
CC14481		<10	<10	63	<10	721
CC14482		<10	<10	190	<10	104
CC14483		<10	<10	100	<10	129
CC14484		<10	<10	53	<10	89
CC14485		<10	<10	81	<10	140
CC14486		<10	<10	153	<10	144



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Page: 7 - A

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

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
CC14487		0.22	<0.2	2.51	27	<10	90	1.0	3	0.15	1.2	8	45	55	2.03	10
CC14488		0.16	1.8	1.91	65	<10	130	0.9	<2	0.51	2.0	5	21	115	1.88	10
CC14489		0.12	1.5	1.72	40	<10	110	0.9	3	0.17	1.2	6	21	110	1.68	<10
CC14490		0.28	0.5	1.01	129	<10	100	0.7	2	0.28	4.5	24	33	50	3.56	<10
CC14491		0.16	0.4	0.29	166	<10	40	<0.5	<2	0.03	<0.5	3	9	19	1.43	<10
CC14492		0.24	0.4	1.12	58	<10	150	1.0	<2	0.50	0.7	13	15	82	3.53	<10
CC14493		0.30	0.9	0.68	38	<10	140	0.8	<2	0.34	2.7	6	14	22	2.03	<10
CC14494		0.22	0.8	0.74	8	<10	90	0.7	<2	2.70	1.8	3	13	20	1.37	<10
CC14495		0.18	0.2	0.86	19	<10	210	0.5	<2	0.41	2.0	5	17	25	2.02	<10
CC14496		0.20	1.0	0.75	20	<10	120	0.7	<2	0.42	3.4	6	14	22	1.81	<10
CC14497		0.20	2.1	0.98	31	<10	130	1.2	<2	0.42	6.6	8	24	50	2.26	<10
CC14498		0.24	1.8	0.28	20	<10	80	1.6	<2	14.7	15.1	5	11	52	2.53	<10
CC14499		0.20	1.2	0.80	15	<10	140	1.0	<2	0.62	4.0	4	21	42	1.46	<10
CC14500		0.28	3.1	1.35	46	<10	410	2.2	<2	1.12	17.8	10	40	68	3.00	<10



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Page: 7 - B

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

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	Ti
	Units LOR	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	0.01
CC14487		1	0.06	10	0.61	182	5	0.01	40	780	43	0.07	<2	1	14	0.09
CC14488		1	0.06	10	1.19	138	4	0.02	37	1090	667	0.08	<2	2	21	0.03
CC14489		<1	0.05	10	0.75	153	4	0.02	38	1000	756	0.08	2	1	13	0.03
CC14490		<1	0.08	10	0.89	698	2	<0.01	71	610	232	0.05	<2	7	14	0.04
CC14491		<1	0.03	10	0.07	91	3	<0.01	13	240	48	0.02	<2	1	4	0.04
CC14492		<1	0.07	30	0.40	321	11	<0.01	67	2720	78	0.02	4	3	78	0.01
CC14493		<1	0.07	20	0.33	163	16	<0.01	54	950	166	0.04	4	2	12	0.01
CC14494		<1	0.07	10	1.82	152	5	0.01	30	1320	23	0.07	2	1	33	0.01
CC14495		<1	0.06	10	0.41	180	17	<0.01	48	1100	27	0.04	5	1	12	0.01
CC14496		<1	0.06	20	0.77	284	11	<0.01	51	1040	31	0.04	4	2	14	0.01
CC14497		<1	0.10	20	0.84	288	16	<0.01	84	1520	38	0.02	6	2	13	0.01
CC14498		1	0.04	10	8.71	398	15	0.01	66	600	28	0.04	14	4	156	<0.01
CC14499		<1	0.16	20	0.76	118	14	0.01	74	1130	22	0.03	7	2	13	0.01
CC14500		<1	0.36	30	1.18	758	24	<0.01	136	4330	91	0.02	18	7	28	0.01



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Page: 7 - C

Total # Pages: 7 (A - C)

Finalized Date: 21-AUG-2006

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CERTIFICATE OF ANALYSIS VA06069865

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	U	V	W	Zn
	Units LOR	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC14487		<10	<10	241	<10	106
CC14488		<10	<10	75	<10	608
CC14489		<10	<10	140	<10	760
CC14490		<10	<10	57	<10	560
CC14491		<10	<10	48	<10	103
CC14492		<10	<10	83	<10	142
CC14493		<10	<10	65	<10	314
CC14494		<10	<10	59	<10	159
CC14495		<10	<10	129	<10	218
CC14496		<10	<10	61	<10	178
CC14497		<10	<10	165	<10	382
CC14498		<10	<10	46	<10	411
CC14499		<10	<10	154	<10	295
CC14500		<10	<10	474	<10	858



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Page: 1
Finalized Date: 28-JUL-2006
Account: MTT

CERTIFICATE VA06061461

Project: Jake

P.O. No.:

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 4-JUL-2006.

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
PUL-31	Pulverize split to 85% <75 um
SPL-21	Split sample - riffle splitter
CRU-31	Fine crushing - 70% <2mm
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
Au-AA23	Au 30g FA-AA finish	AAS

To: STRATEGIC METALS LTD.
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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: _____

Keith Rogers, Executive Manager Vancouver Laboratory



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Page: 2 - A

Total # Pages: 2 (A - C)

Finalized Date: 28-JUL-2006

Account: MTT

CERTIFICATE OF ANALYSIS VA06061461

Sample Description	Method Analyte Units LOR	WEI-21	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.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
B373997		2.22	<0.005	5.8	0.31	29	<10	10	<0.5	3	0.92	>500	46	2	888	10.55
B373998		0.38	0.026	9.3	0.45	34	<10	10	<0.5	13	0.25	2.0	42	2	1155	35.7
B373999		0.34	<0.005	20.5	0.42	<2	<10	10	<0.5	22	0.07	10.6	10	<1	1065	39.5
B374000		1.24	<0.005	2.5	1.54	6	<10	10	<0.5	<2	0.57	19.0	6	8	540	7.81



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Page: 2 - B

Total Pages: 2 (A - C)

Finalized Date: 28-JUL-2006

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CERTIFICATE OF ANALYSIS VA06061461

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 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
B373997		<10	<1	0.01	<10	0.59	307	11	0.02	40	270	7	8.74	<2	<1	9
B373998		<10	3	0.03	10	0.13	<5	11	0.02	188	670	107	>10.0	13	<1	12
B373999		<10	3	<0.01	10	0.64	140	71	0.02	17	90	4230	1.82	<2	1	3
B374000		10	2	0.01	<10	2.25	163	17	0.01	10	440	85	0.27	<2	<1	6



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Page: 2 - C
Total Pages: 2 (A - C)
Finalized Date: 28-JUL-2006
Account: MTT

CERTIFICATE OF ANALYSIS VA06061461

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Ti	Ti	U	V	W	Zn	Zn
		%	ppm	ppm	ppm	ppm	ppm	%
		0.01	10	10	1	10	2	0.01
B373997		0.01	<10	<10	23	<10	>10000	5.61
B373998		0.03	<10	<10	127	<10	239	
B373999		0.01	<10	10	71	<10	3020	
B374000		0.03	<10	<10	36	<10	2400	