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**ASSESSMENT REPORT**

describing

**GEOCHEMICAL SAMPLING AND GEOLOGICAL MAPPING**

on the

**KIT PROPERTY**

Kit 1-36 YC43546-YC43581

NTS 116B/13  
Latitude 64°46'N; Longitude 139°05'W

Dawson Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

R.C. Carne, M.Sc., P.Geo.  
March 2007

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## INTRODUCTION

The Kit property contains a 1.6 km long, virtually continuous soil geochemical anomaly with very strong and coincident lead, zinc and silver values. The anomaly is hosted by Middle Proterozoic dolomitic shale, siltstone and mudstone in a fault bounded Proterozoic sedimentary basin within the Coal Creek Inlier. These bounding faults also controlled the emplacement of numerous approximately contemporaneous Middle Proterozoic iron oxide+copper-gold (IOCG) deposits. The Kit soil geochemical anomaly is well defined by previous work but it has never been drilled and the bedrock source remains untested. Exploration during 2006 by Strategic Metals Ltd. confirmed the location and tenor of the historical geochemical results but it was unsuccessful at discovering significant lead-zinc-silver mineralization that would explain the extent and intensity of the anomaly.

## PROPERTY, LOCATION AND ACCESS

The Kit property is located in the Dawson Mining District in west-central Yukon, 85 km north of Dawson City, Yukon at Latitude 64°46' N and Longitude 139°05' W on NTS map sheet 116B/14, (Figure 1). The most practical access for exploration purposes is by helicopter from the Chapman Lake airstrip, 45 km to the northeast on the Dempster Highway.

The 36 Kit claims (Figure 2) cover approximately 89 hectares. They are owned 100% by Strategic Metals Ltd. and registered with the Dawson Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited. Data concerning claim registration are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Kit 1-36	YC43546-YC43581	March 9, 2012

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

## 2006 PROGRAM

The work outlined in this report consists of reconnaissance scale soil, silt and rock geochemical sampling and geological mapping. The work was designed to confirm the location and unusually strong intensity of soil and silt geochemical anomalies resulting from sampling carried out in 1974 by a previous operator, as well as to determine the geological setting of the probable source rocks. The exploration program was carried out between May 28 and June 1, 2006. The work was managed by Archer Cathro and supervised by the author.

Appendix I contains the author's Statement of Qualifications. The following Archer Cathro personnel were involved at various times in the program:

Rob Carne	Project Supervisor
Sarah Eaton	Prospector and Party Chief
Luke Beranek	Geologist
Kevin Fraser	Geological Assistant



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FIGURE 1

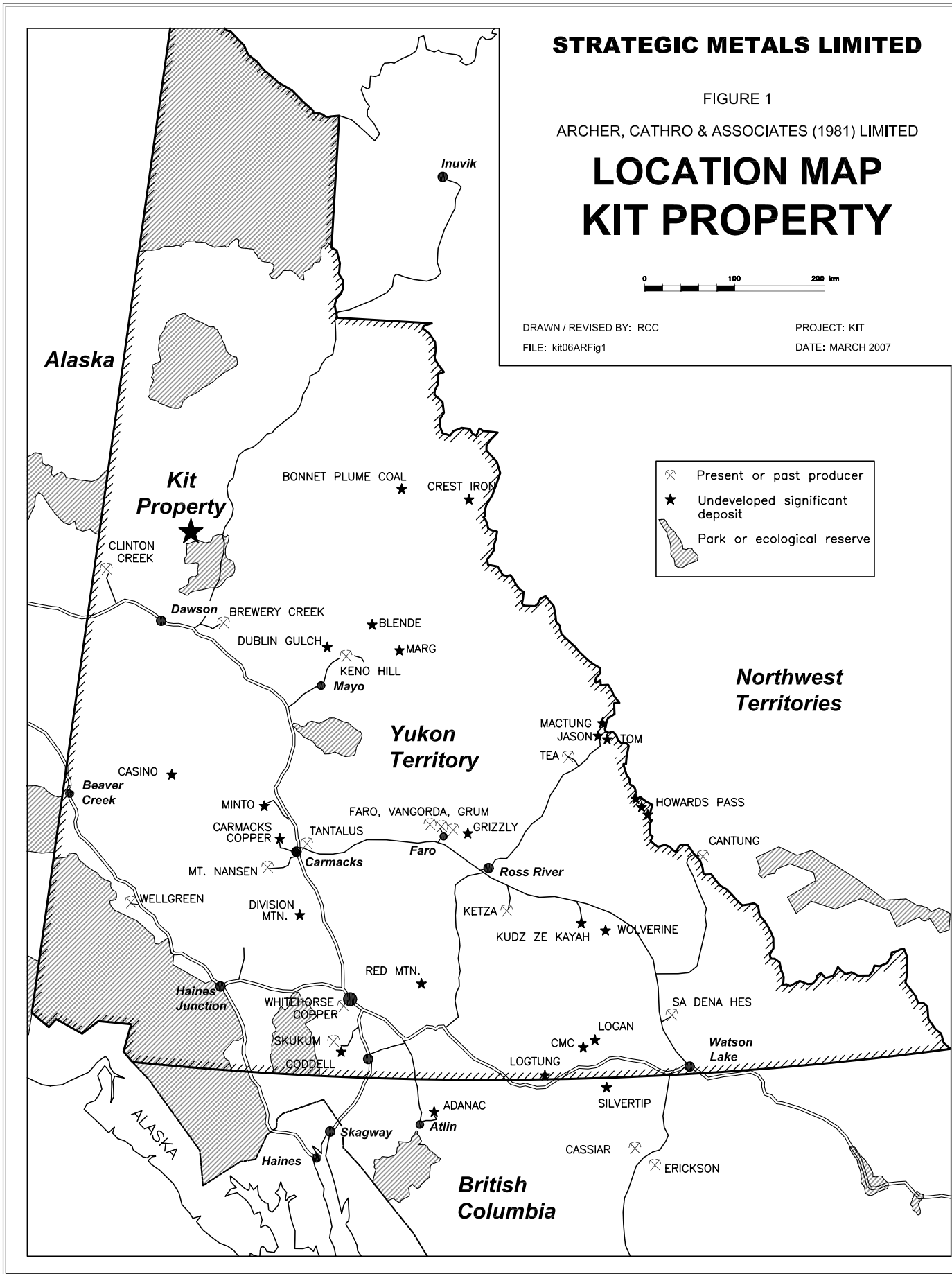
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## LOCATION MAP KIT PROPERTY

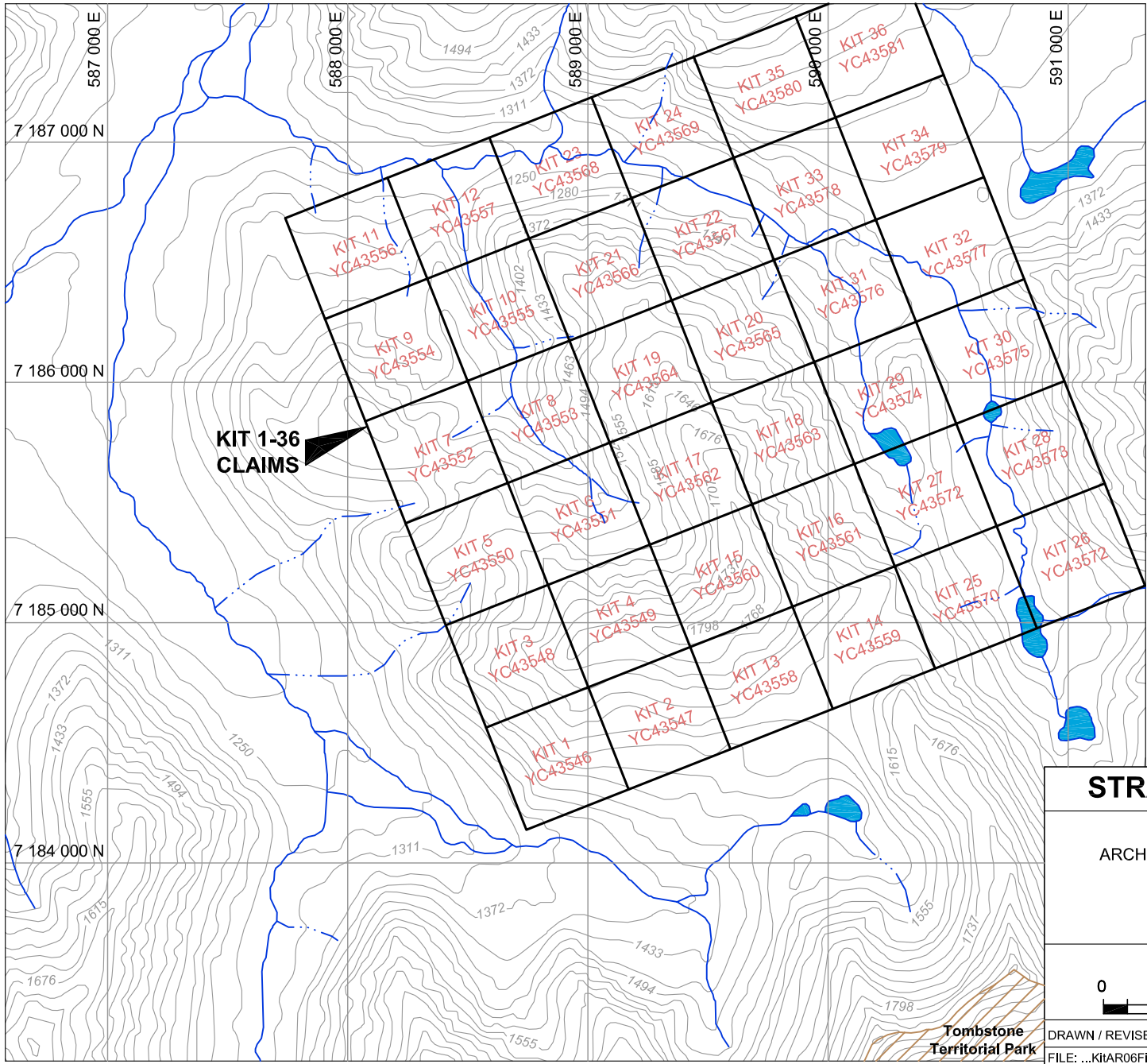


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FILE: kit06ARFig1

PROJECT: KIT  
DATE: MARCH 2007



	Present or past producer
	Undeveloped significant deposit
	Park or ecological reserve



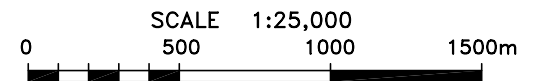
**STRATEGIC METALS LIMITED**

**FIGURE 2**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**Claim Locations**

**KIT PROPERTY**



Tombstone  
Territorial Park

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FILE: ...KitAR06Fig2.dwg

PROJECT: KIT  
DATE: MARCH 2007

Dylan Wallinger      Geological Assistant

Bell 206 Jet Ranger helicopter support was provided by Capital Helicopters Ltd. A temporary exploration camp was located on the property of Blackstone Outfitters Ltd., near the Chapman Lake airstrip.

### **HISTORY**

The potential for zinc-lead-silver mineralization on the Kit claims was first documented by Hudson Bay Exploration and Development Company Limited (HBED) (McIntosh, 1974), which carried out reconnaissance scale stream sediment sampling in the area in 1974 in the search for Mississippi Valley Type lead-zinc deposits. Creeks draining the present Kit claims returned highly anomalous values for lead and zinc and the area was investigated with follow up grid soil sampling in August 1974. This work outlined a large coincident zinc, lead and silver geochemical anomaly but no significant mineralization was found that would explain the size or unusual intensity of the geochemical response. Geological mapping and additional geochemical sampling were carried out in 1975 and 1976, in addition to an Induced Polarization (IP) geophysical survey in 1976, but results of this work are not publicly available. The property was never drilled and it has not received any exploration since that time.

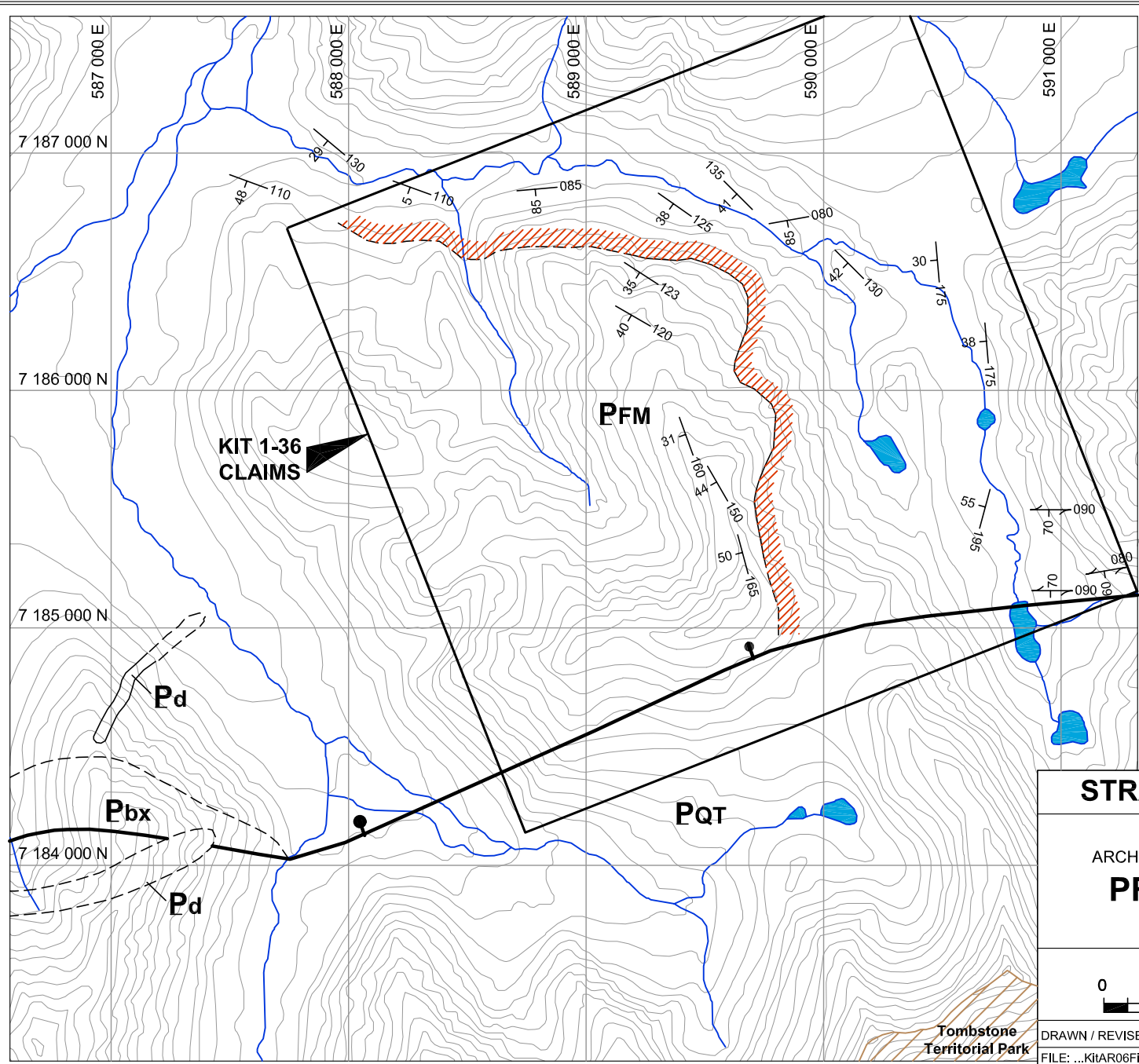
### **GEOLOGY AND MINERALIZATION**

The Kit property lies along the southeast side of the Coal Creek Inlier, an exposed window of Proterozoic sedimentary and mafic volcanic rocks that is surrounded by younger strata. The central part of the inlier contains a 15 km by 32 km fault bounded block of Middle to Upper Proterozoic sedimentary rocks. The faults that define the fault bounded block also controlled the emplacement of numerous ~1600 million year old (Ma) "Wernecke Breccia" deposits. Many of these have associated iron oxide+copper-gold (IOCG) mineralization.

Reconnaissance scale geological mapping was carried out on the property in 2006. Results of this work are summarized on Figure 3 along with mapping carried out by government geologists outside the property boundaries.

The Kit property is underlain by Middle to Upper Proterozoic Lower Fifteenmile Group, which on a regional scale consists of limestone, dolomitic shale, shale, silty dolomite, sandstone and dolostone olistoliths (Lane and Godwin, 1992; Thompson, 1995). Olistoliths are submarine landslide or debris flow deposits. Mapping in 2006 encountered an undifferentiated suite of dark grey to black dolomitic siltstone, dolomitic mudstone, quartz arenite and feldspathic sandstone.

Lower Fifteenmile Group rocks are in normal fault contact with older Middle Proterozoic Quartet Group thin to thick bedded grey to brown sandstone, siltstone and shale along the south side of the property. A heteroclastic "Wernecke" breccia body occurs within Fifteenmile Group rocks along the north side of the fault about 1.5 km west of the southwest property boundary. Both the breccia and fault are intruded by Middle to Upper Proterozoic mafic dykes.



# LEGEND

## TABLE OF FORMATIONS

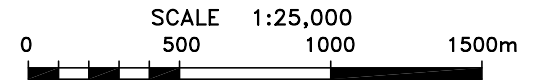
- MIDDLE TO UPPER PROTEROZOIC**
- Pd** mafic dykes and sills
- WERNECKE BRECCIA**
- Pbx** heteroclastic breccia, contains wall rock clasts in iron carbonate and hematite matrix
- LOWER FIFTEENMILE GROUP: undivided**
- PFM** shale, dolomitic shale, silty dolomite, dolostone debris flows common
- angular unconformity -----
- MIDDLE PROTEROZOIC**
- QUARTET GROUP**
- PQT** interbedded (thin to thick), grey to brown sandstone, siltstone and shale

## SYMBOLS

- bedding
- cleavage
- geological contact (defined)
- geological contact (approximate)
- normal fault
- upslope limit of lead soil geochemical anomaly

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FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
 KIT PROPERTY



Cleavage in Lower Fifteenmile Group rocks is moderately well developed and it strikes east-west, dipping steeply south. Bedding dips moderately west in the south half of the property with attitudes changing to a south westerly to southerly shallow dip in the north part of the claim group.

A limited amount of prospecting was carried out during the brief 2006 exploration program. Prospecting was limited in effectiveness by extensive snow cover although four samples with visible low grade structurally controlled lead-zinc mineralization were collected for assay. No other significant mineralization was discovered. Descriptions of the four rock samples submitted for assay are included in Appendix II while complete analytical data is provided in Appendix III.

### **GEOCHEMISTRY**

HBED carried out grid geochemical sampling over a 600 m by 1600 m area on the steep east-facing slope of a northerly trending ridge. The grid area is above tree line and it is largely underlain by talus. The geochemical samples consisted of poorly developed "B" Horizon soil samples and talus fines.

The 2006 exploration was designed to provide an overview of the potential areas of mineralization on the property and immediate surroundings through the results of detailed silt sampling. Four soil sampling traverses were made across the most intense part of the 1974 geochemical anomaly to confirm the reliability of the historical data. Locations of the 2006 geochemical samples are shown on Figures 4 and 5. Lead, zinc and silver values are plotted on Figures 6 to 11.

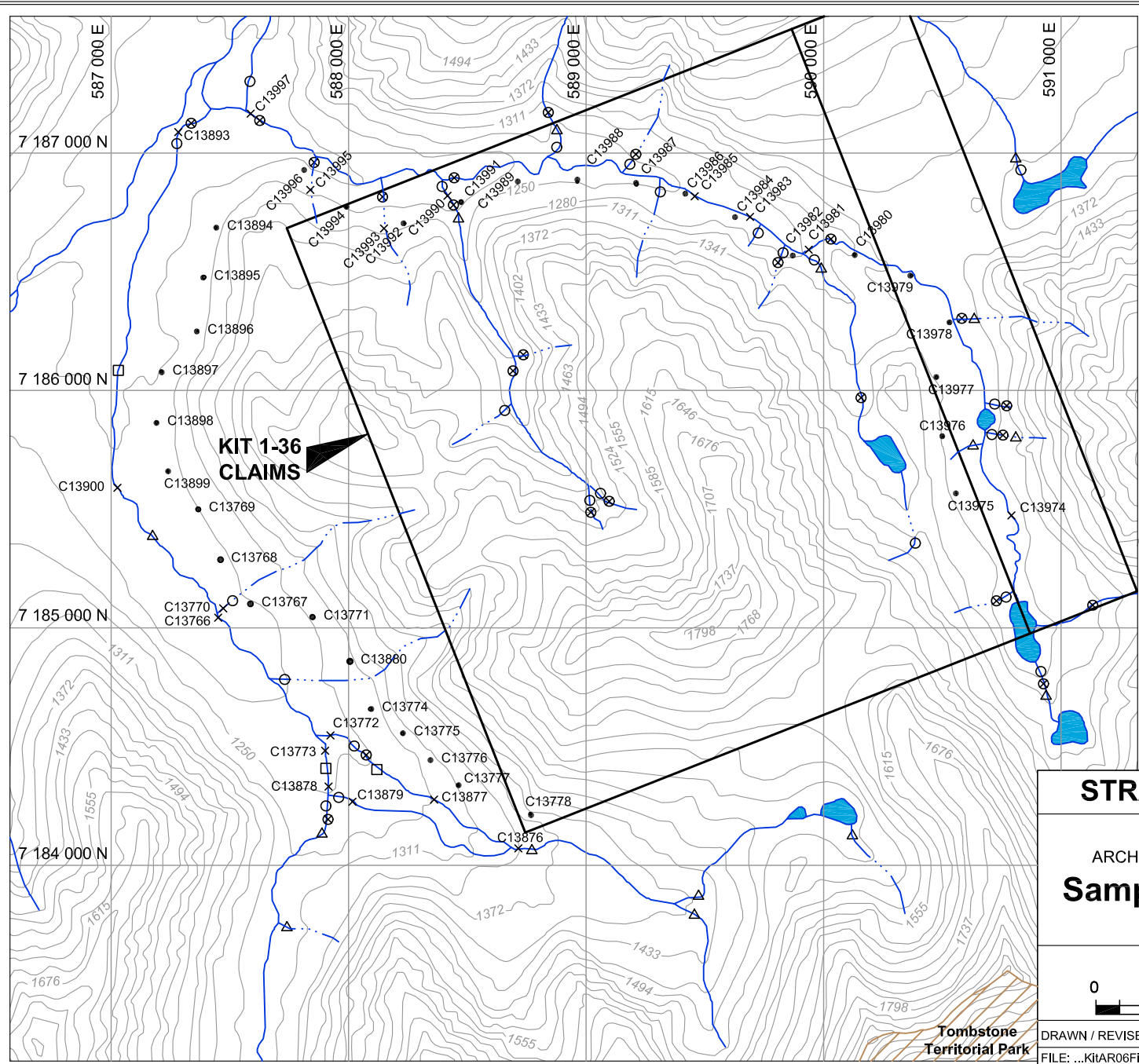
The HBED maps document a virtually continuous, 1.6 km long coincident lead, zinc and silver geochemical anomaly, within which almost every sample returned highly anomalous values ranging from:

- 750 ppm lead to 14,800 ppm lead,
- 1000 ppm zinc to 11,100 ppm zinc, and
- 3.0 ppm silver to 12.4 ppm silver.

The south and north ends of the anomaly are open to extension in areas which were not grid sampled although the results of stream sediment sampling by HBED in these regions are also highly anomalous. These results suggest at least an additional 800 m strike length to the anomalous zone for a total 2.4 km extent. The area has not been mapped in detail but geology of nearby areas can be extrapolated to the anomalous zone. This evidence suggests that the geochemical anomaly is both stratabound and concordant with the host Middle Proterozoic dolomitic shale, siltstone and mudstone.

Analytical procedures are summarized below as reported by ALS Chemex. At the laboratory, the rock samples were weighed, dried and crushed to 70% minus 2 mm, before a 250 gram split was taken and pulverized to better than 85% minus 75 microns. A 50 gram split of the pulverized fraction was dissolved in aqua regia and analyzed for 34 elements by a combination of Inductively





### LEGEND

- HUDSON BAY EXPLORATION AND DEVELOPMENT SILT SAMPLE (1974)
- ⊗ DYNASTY EXPLORATION SILT SAMPLE (1974)
- △ CORDILLERAN ENGINEERING SILT SAMPLE (1976)
- × STRATEGIC METALS SILT SAMPLE (2006)
- STRATEGIC METALS SOIL SAMPLE (2006)
- RGS SILT SAMPLE

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FIGURE 4  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**Sample Locations (Regional)**  
**KIT PROPERTY**

SCALE 1:25,000

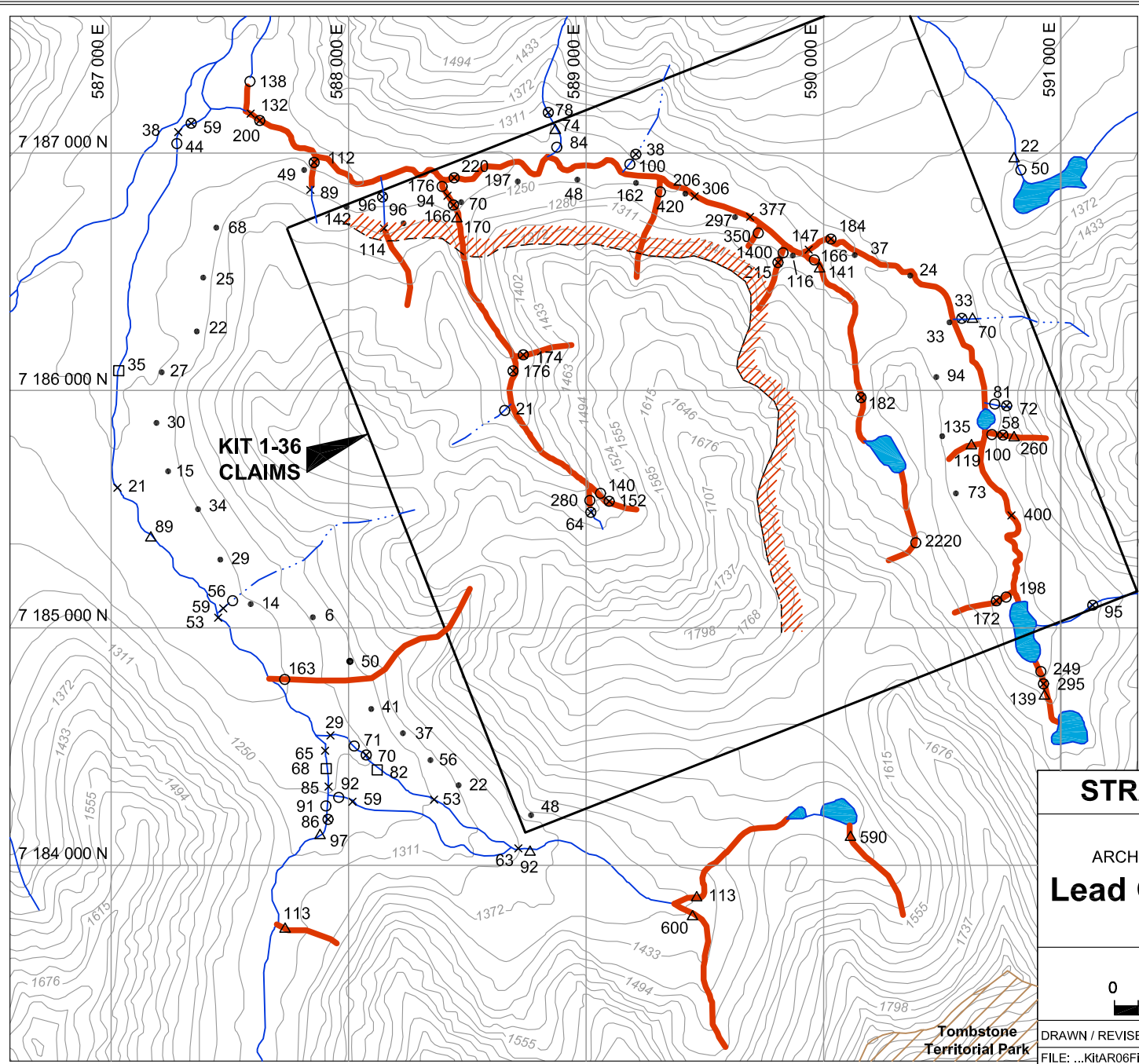
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FILE: ...KitAR06Fig.dwg	DATE: MARCH 2007







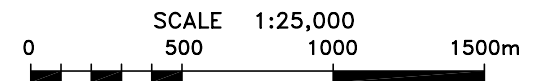


### LEGEND

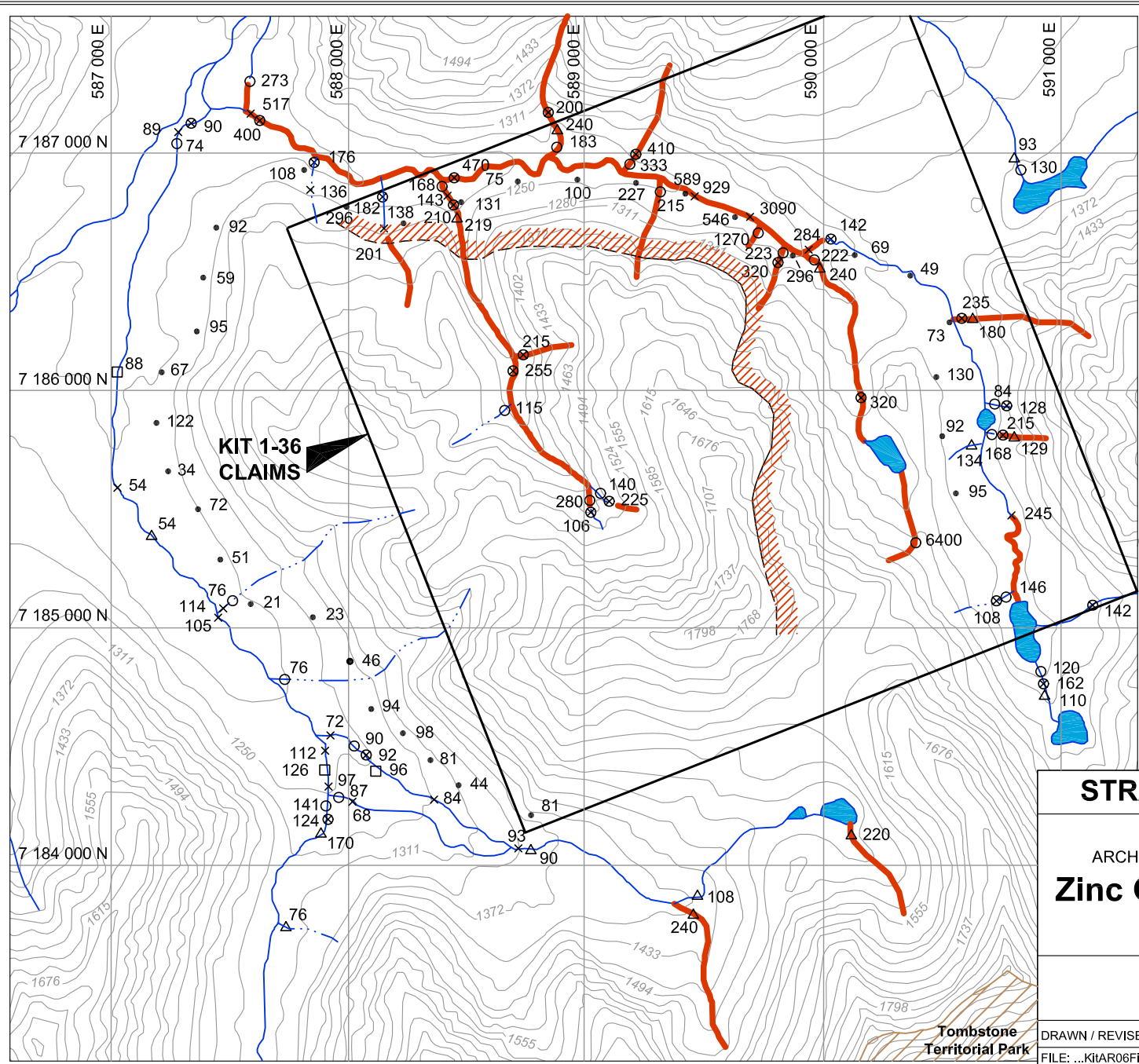
- HUDSON BAY EXPLORATION AND DEVELOPMENT SILT SAMPLE (1974)
- ⊗ DYNASTY EXPLORATION SILT SAMPLE (1974)
- △ CORDILLERAN ENGINEERING SILT SAMPLE (1976)
- × STRATEGIC METALS SILT SAMPLE (2006)
- STRATEGIC METALS SOIL SAMPLE (2006)
- RGS SILT SAMPLE
- 174 SILT SAMPLE >100 ppm LEAD
- ▨ UPSLOPE LIMIT OF LEAD SOIL GEOCHEMICAL ANOMALY

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FIGURE 6  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**Lead Geochemistry (Regional)**  
 KIT PROPERTY







**KIT 1-36 CLAIMS**

**LEGEND**

- HUDSON BAY EXPLORATION AND DEVELOPMENT SILT SAMPLE (1974)
- ⊗ DYNASTY EXPLORATION SILT SAMPLE (1974)
- △ CORDILLERAN ENGINEERING SILT SAMPLE (1976)
- × STRATEGIC METALS SILT SAMPLE (2006)
- STRATEGIC METALS SOIL SAMPLE (2006)
- RGS SILT SAMPLE
- 215 SILT SAMPLE >200 ppm ZINC
- ▨ UPSLOPE LIMIT OF LEAD SOIL GEOCHEMICAL ANOMALY

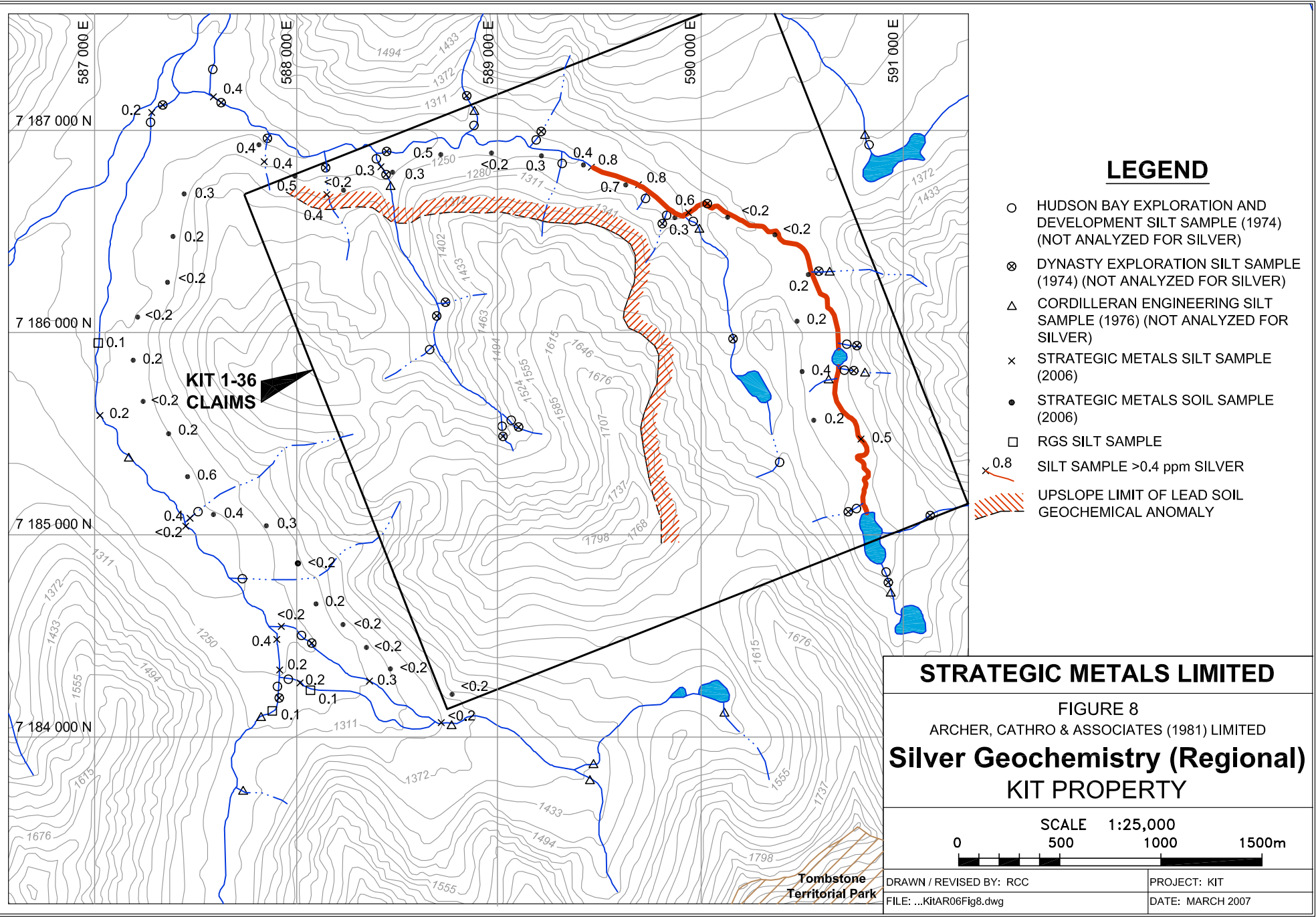
**STRATEGIC METALS LIMITED**

FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**Zinc Geochemistry (Regional)**  
 KIT PROPERTY

Tombstone Territorial Park

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PROJECT: KIT  
 DATE: MARCH 2007



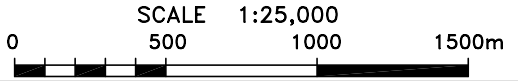
**LEGEND**

- HUDSON BAY EXPLORATION AND DEVELOPMENT SILT SAMPLE (1974) (NOT ANALYZED FOR SILVER)
- ⊗ DYNASTY EXPLORATION SILT SAMPLE (1974) (NOT ANALYZED FOR SILVER)
- △ CORDILLERAN ENGINEERING SILT SAMPLE (1976) (NOT ANALYZED FOR SILVER)
- × STRATEGIC METALS SILT SAMPLE (2006)
- STRATEGIC METALS SOIL SAMPLE (2006)
- RGS SILT SAMPLE
- × 0.8 SILT SAMPLE >0.4 ppm SILVER
- ▨ UPSLOPE LIMIT OF LEAD SOIL GEOCHEMICAL ANOMALY

**KIT 1-36 CLAIMS**

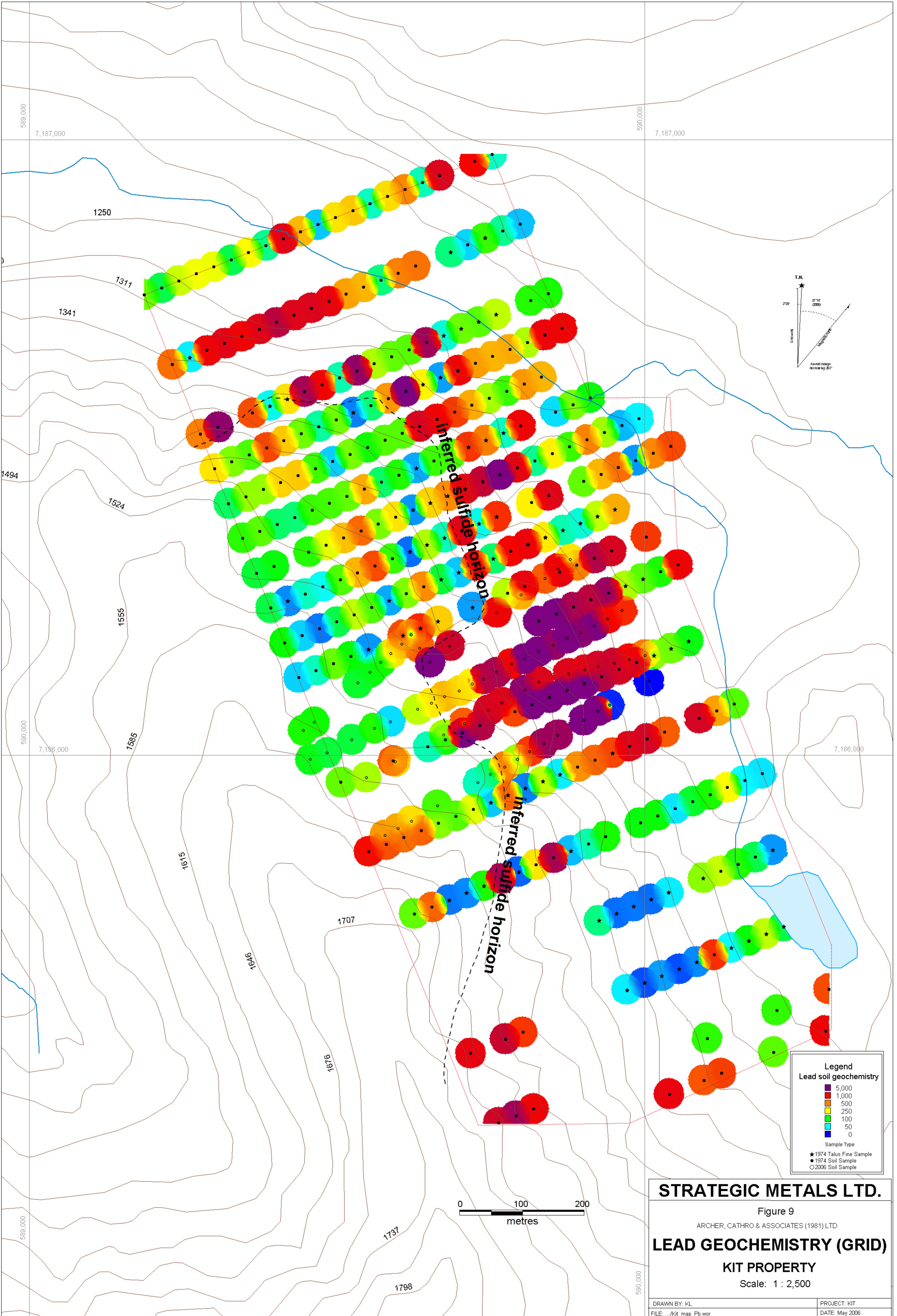
**STRATEGIC METALS LIMITED**

FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**Silver Geochemistry (Regional)**  
 KIT PROPERTY



Tombstone Territorial Park





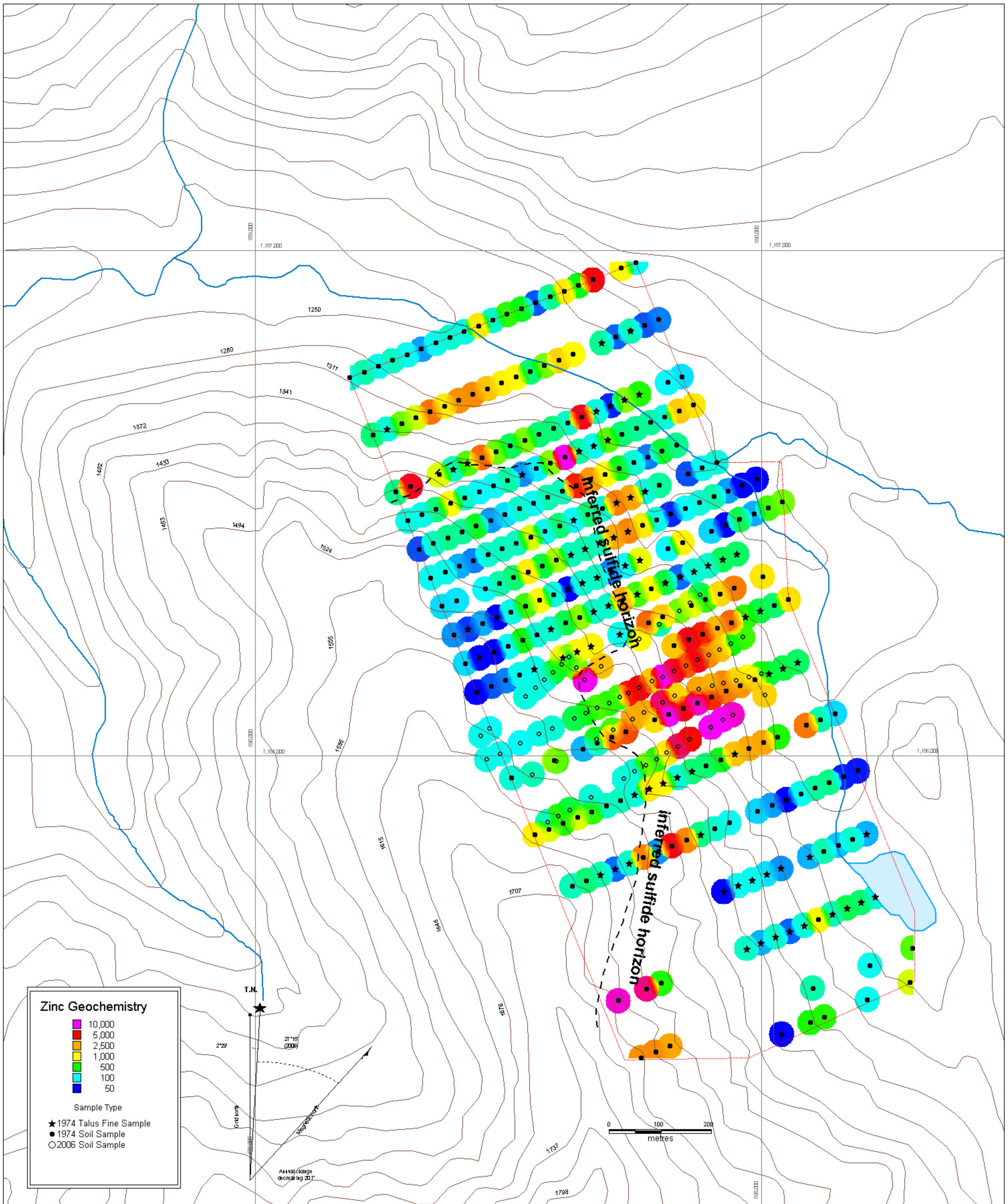
**STRATEGIC METALS LTD.**

Figure 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LTD  
**LEAD GEOCHEMISTRY (GRID)**  
 KIT PROPERTY  
 Scale: 1 : 2,500

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 FILE: .../Kit\_map\_Pb.wor

PROJECT: KIT  
 DATE: May 2006





**STRATEGIC METALS LTD.**

Figure 10

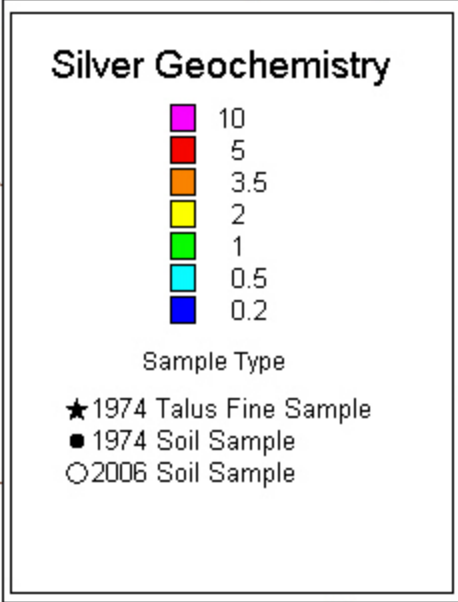
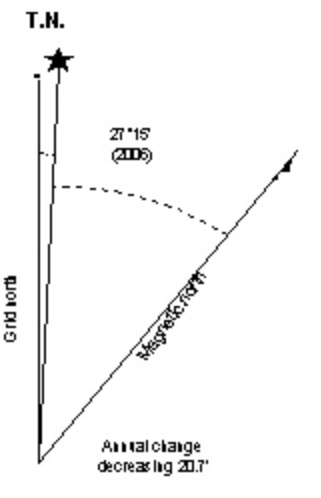
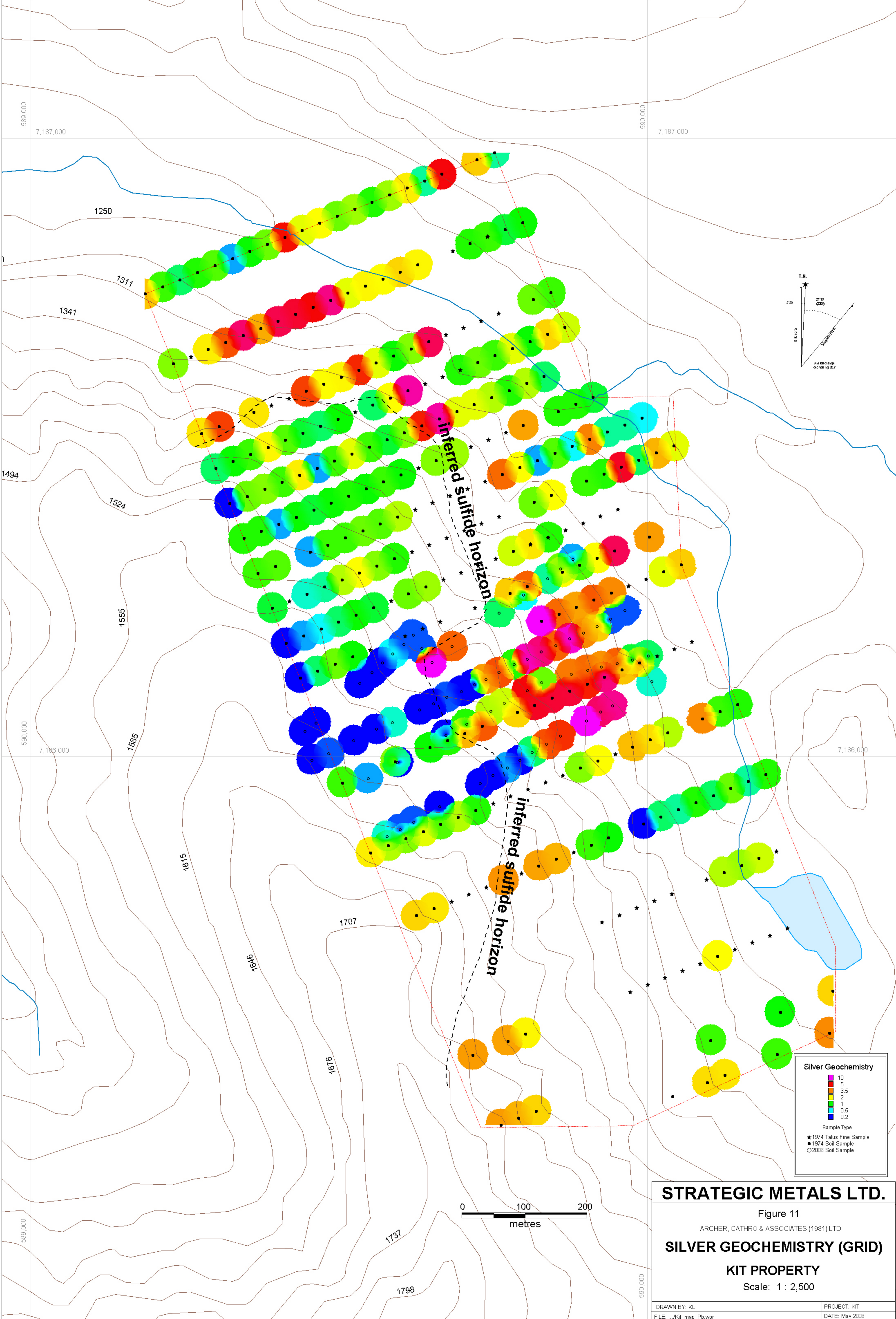
ARCHER, CATHRO & ASSOCIATES (1981) LTD

**ZINC GEOCHEMISTRY (GRID)**

**KIT PROPERTY**

Scale: 1 : 5,000





**STRATEGIC METALS LTD.**

Figure 11

ARCHER, CATHRO & ASSOCIATES (1981) LTD

**SILVER GEOCHEMISTRY (GRID)**

**KIT PROPERTY**

Scale: 1 : 2,500

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FILE: .../Kit\_map\_Pb.wor DATE: May 2006



Coupled Plasma - Mass Spectroscopy (ICPMS) and Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICPAES) techniques. Over limit copper, lead, zinc and silver values were determined using atomic absorption spectroscopy (AAS). Soil and silt samples were dried and screened to minus 180 microns. A 50 gram split of the screened fraction was dissolved in aqua regia and analyzed for 34 elements by a combination of ICPMS and ICPAES techniques. Over limit copper, lead, zinc and silver values were determined using AAS. ALS Chemex operates according to the guidelines set out in ISO/IEC Guide 25 "General requirements for the competence of calibration and testing laboratories" and the company is certified to ISO 9002 by KPMG in Canada and other countries.

### **EXPLORATION MODEL**

The age and style of IOCG of mineralization and nature of the host sedimentary sequences in central Yukon has led the Geological Survey of Canada to speculate that the northeast Australia craton, specifically the Mount Isa-McArthur River belt, was located adjacent to North America during the Middle Proterozoic in the present position of Alaska. In fact, under this hypothesis, the Coal Creek Inlier would have been a direct continuation of the Mount Isa-McArthur River belt at that time (Figure 4).

The northeast Australian craton is host to important 1500 to 1600 Ma IOCG deposits in the Mount Henry and Cloncurry districts as well as the 1670 to 1690 Ma zinc-lead-silver sedex deposits of the adjoining Mount Isa-McArthur River belt. These sedex deposits share the following common characteristics:

- they occur near Middle Proterozoic faults,
- they lie in proximity to younger Middle Proterozoic IOCG deposits that may have exploited the same faults,
- they are hosted by and conformable with apparently shallow water Middle Proterozoic dolomitic siltstone, mudstone and shale,
- the important ore minerals are thinly laminated sphalerite and galena and high grade specimens can be difficult to recognize in even unweathered samples,
- and they are generally non-baritic.

**Table I - Mount Isa - McArthur River Belt Sedex Deposits**

<b>Mount Isa-McArthur River Belt Sedex Deposits</b>	<b>Size (Mt)</b>	<b>Zinc (%)</b>	<b>Lead (%)</b>	<b>Silver (g/t)</b>	<b>Copper (%)</b>	<b>Age (Ma)</b>
McArthur River	227	9.5	4.1	40.0	0.0	1690
Mount Isa	125	6.0	7.0	160.	0.1	1670
Hilton	72	10.2	6.5	137.9	0.0	1670
Lady Loretta	9	14.0	8.0	110.0	0.0	1670
Dugald River	12	15.0	2.0	62.0	0.0	1670
Century	120	10.0	1.5	30.0	0.0	1670

The Kit claim geochemical anomaly:

- occurs adjacent to a fault that hosts Middle Proterozoic “Wernecke Breccias”,
- is hosted by, and apparently conformable with Middle Proterozoic shallow water dolomitic shale, mudstone and shale,
- probably results from mineralization with little associated pyrite or barite since these minerals would have been readily recognized and reported by previous workers, even in absence of knowledge of the sedex exploration model,
- occurs within an area of the Yukon that was only lightly glaciated so that lead and zinc minerals are probably oxidized at surface making identification difficult.

### **CONCLUSIONS AND RECOMMENDATIONS**

Results of the 2006 exploration on the Kit property by Strategic Metals Limited confirmed the strength and size of a lead-zinc-silver soil and silt geochemical anomaly reported by previous workers in the 1970's. Almost every soil sample taken from a continuous, 1.6 km long coincident lead, zinc and silver geochemical anomaly returned highly anomalous values ranging from:

- 750 ppm lead to 14,800 ppm lead,
- 1000 ppm zinc to 11,100 ppm zinc, and
- 3.0 ppm silver to 12.4 ppm silver.

The south and north ends of the anomaly are open to extension in areas which were not grid sampled although the results of stream sediment sampling in these regions are also highly anomalous. These results suggest at least an additional 800 m strike length to the anomalous zone for a total 2.4 km extent. Results of reconnaissance scale geological mapping in 2006 provides evidence that the geochemical anomaly is both stratabound and concordant with Middle Proterozoic dolomitic shale, siltstone and mudstone.

The Geological Survey of Canada has speculated that the northeast Australia craton was located adjacent to North America during the Middle Proterozoic in the present position of Alaska. Under this scenario, the Kit claims lie in a block of Proterozoic sedimentary rocks that is a direct continuation of the Mount Isa-McArthur River sedex belt of the same age and priority should be given to exploration for this type of deposit.

The next stage of exploration at the Kit property should be additional grid soil geochemical sampling to close off the existing geochemical anomaly. Detailed geological mapping is needed to confirm the structural and stratigraphic setting of the anomaly. Preliminary work in 2006 has indicated that the source of the anomalous response is concordant with the Middle Proterozoic shales and siltstone. Diamond drilling will be the only way to effectively test this hypothesis. A minimum of four 200m holes should be drilled as a fence across the core of the anomaly to determine the tenor and style of mineralization present. If the preliminary drilling is successful at discovering sedex mineralization, an aggressive drill program is warranted to fully test the extent of the anomalous area.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

R. C. Carne, M.Sc., P. Geo.



**REFERENCES**

Lane, R. A. and Godwin, C. I.

1992 Geology of the Ogilvie Mountains breccias, Coal Creek Inlier (NTS 116B/11. 13, 14), Yukon Territory: Indian and Northern Affairs Canada, Exploration and Geological Services Division, Yukon Region, Open File 1992-1.

McIntosh, R. T.

1974 Chapman Lake area, Yukon; Hudson Bay Exploration and Development Company Limited; Assessment Report 090036

Thompson, R. I.

1995 Geological compilation (1:250,000) of Dawson map area (116B, C) (northeast of Tintina Trench); Geological Survey of Canada, Open File 3223.

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

## STATEMENT OF QUALIFICATIONS

I, Robert C. Carne, geologist, with business address in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Burnaby, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1974 with a B.Sc. and in 1979 with a M.Sc. majoring in Geological Sciences.
2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (registration number 19868).
3. From 1974 to present, I have been actively engaged as a geologist in mineral exploration in British Columbia and Yukon Territory.
4. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

Robert C. Carne, M.Sc., P.Geo.

**APPENDIX II**  
**ROCK SAMPLE DESCRIPTIONS**

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

Sample Number	UTM East	UTM North	Description	Lead (ppm)	Zinc (ppm)	Silver (ppm)
BB 39766	589 880	7 186 115	Small fragments of pale brown oxide breccia. Breccia fragments are yellow brown with a bleached or altered appearance. Not abundant in otherwise uninteresting talus of angular mudstone and siltstone. No zinc zap reaction.	929	1340	6.1
BB 39767	589 845	7 186 157	Rusty reddish brown, secondary dolomite matrix to grey dolomitic mudstone breccia fragments. Minor brown sphalerite and galena in matrix. Quartz vein in mudstone with small galena crystals.	385	3.07%	9.0
BB 39768	589 843	7 186162	Dark brown-grey dolomite breccia. Secondary dolomite matrix has disseminated brown sphalerite. Widespread, but all float pieces have <2% Zn (estimate).	158	1695	0.6
BB 39769	589 681	7 186 467	50m x 50m area is slightly gossanous. Float cobbles to small boulders of crackle brecciated dolomitic mudstone with sphalerite >> galena, hydrozincite coated. Found in place approximately 5m east. Here mineralization is concentrated in an area of small scale folding, therefore probably structurally controlled.	1875	1.37%	3.8

**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

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C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 7-JUL-2006

Account: MTT

## CERTIFICATE VA06060828

Project: KIT

P.O. No.:

This report is for 156 Soil samples submitted to our lab in Vancouver, BC, Canada on 16-JUN-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
SCR-41	Screen to -180um and save both

## ANALYTICAL PROCEDURES

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

To: STRATEGIC METALS LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

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

Signature:

Keith Rogers, Executive Manager Vancouver Laboratory



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

STRATEGIC METALS LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: KIT

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Finalized Date: 7-JUL-2006  
Account: MTT

## CERTIFICATE OF ANALYSIS VA06060828

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
CC13739		0.36	<0.2	0.14	4	<10	60	<0.5	<2	20.7	<0.5	<1	5	6	0.38	<10
CC13740		0.26	0.2	2.23	18	<10	300	2.2	<2	0.55	1.2	18	37	34	4.02	<10
CC13741		0.42	<0.2	0.14	5	<10	70	<0.5	<2	20.5	<0.5	<1	4	6	0.38	<10
CC13742		0.26	0.3	0.64	20	<10	150	0.7	<2	3.76	0.7	8	18	22	2.11	<10
CC13743		0.20	0.4	2.03	17	<10	430	1.7	<2	0.66	0.6	17	29	30	3.41	10
CC13744		0.34	<0.2	1.73	13	<10	130	1.1	<2	0.13	<0.5	16	26	30	2.88	<10
CC13745		0.42	<0.2	0.20	10	<10	240	<0.5	<2	19.70	<0.5	<1	4	5	0.51	<10
CC13746		0.28	<0.2	1.42	11	<10	140	1.3	<2	0.20	<0.5	15	25	79	2.38	<10
CC13747		0.32	<0.2	1.46	9	<10	100	0.5	<2	0.09	<0.5	10	26	14	3.29	<10
CC13748		0.24	0.5	1.13	20	<10	230	0.9	<2	1.30	0.6	11	29	32	2.79	<10
CC13749		0.18	0.3	1.46	16	<10	270	0.9	<2	1.21	0.5	11	38	35	3.14	<10
CC13750		0.24	0.3	0.74	22	<10	180	0.6	<2	1.90	<0.5	6	32	14	2.43	<10
CC13751		0.30	<0.2	0.16	12	<10	120	<0.5	<2	21.7	<0.5	<1	5	4	0.43	<10
CC13752		0.34	0.3	0.80	<2	<10	130	<0.5	<2	9.76	<0.5	4	16	14	1.35	<10
CC13753		0.20	<0.2	0.55	<2	10	120	<0.5	<2	12.35	<0.5	2	10	12	1.25	<10
CC13754		0.28	<0.2	0.24	<2	<10	140	<0.5	<2	19.10	<0.5	1	6	6	0.53	<10
CC13755		0.38	0.2	0.96	14	<10	130	<0.5	<2	3.71	<0.5	6	20	22	1.82	<10
CC13756		0.28	<0.2	1.19	5	<10	230	0.6	<2	0.95	<0.5	7	21	13	2.04	<10
CC13757		0.28	<0.2	0.43	3	<10	130	<0.5	<2	15.20	<0.5	2	8	9	0.94	<10
CC13758		0.36	<0.2	0.26	<2	<10	100	<0.5	<2	17.40	<0.5	3	5	6	0.58	<10
CC13759		0.28	<0.2	1.02	5	<10	190	0.7	<2	4.63	<0.5	9	15	26	2.02	<10
CC13766		0.48	<0.2	1.64	3	<10	150	0.9	<2	0.30	<0.5	16	23	46	3.41	<10
CC13767		0.24	0.4	0.81	3	<10	60	<0.5	<2	0.07	<0.5	3	12	14	1.43	<10
CC13768		0.32	0.6	1.69	3	<10	310	1.0	<2	1.07	<0.5	9	23	57	2.44	<10
CC13769		0.56	0.2	1.71	13	<10	120	0.7	<2	0.27	<0.5	13	27	45	3.04	<10
CC13770		0.26	0.4	1.61	6	<10	120	0.9	<2	0.27	<0.5	14	23	43	3.42	<10
CC13771		0.16	0.3	0.53	4	<10	40	<0.5	<2	0.08	<0.5	1	9	9	1.02	<10
CC13772		0.32	<0.2	1.61	3	<10	90	0.7	<2	0.10	<0.5	11	21	32	3.38	<10
CC13773		0.46	0.4	1.72	4	<10	130	1.0	<2	0.36	<0.5	17	23	47	3.67	<10
CC13774		0.24	0.2	1.75	11	<10	100	1.1	<2	0.10	<0.5	11	23	32	3.59	10
CC13775		0.26	<0.2	1.55	9	<10	90	0.5	<2	0.11	<0.5	9	23	36	3.22	<10
CC13776		0.14	<0.2	2.25	15	<10	140	1.1	<2	0.29	<0.5	11	29	48	3.89	10
CC13777		0.24	<0.2	1.59	8	<10	100	0.8	<2	0.12	<0.5	10	23	49	3.19	<10
CC13778		0.36	<0.2	1.76	5	<10	80	0.6	<2	0.08	<0.5	11	24	30	3.14	<10
CC13821		0.38	0.3	0.88	3	<10	310	1.3	<2	2.44	<0.5	8	10	28	2.80	<10
CC13822		0.28	0.3	0.87	13	<10	250	1.2	<2	1.80	0.6	11	11	34	3.11	<10
CC13823		0.32	0.2	0.86	10	<10	230	1.3	<2	0.56	0.8	15	12	36	3.28	<10
CC13824		0.44	<0.2	1.24	14	<10	150	1.6	<2	0.33	<0.5	15	15	26	3.84	<10
CC13829		0.22	0.4	3.44	<2	<10	60	41.4	<2	0.66	<0.5	188	104	9	34.4	<10
CC13830		0.42	<0.2	0.94	16	<10	200	1.6	<2	0.48	<0.5	12	13	34	3.80	<10





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Account: MTT

## CERTIFICATE OF ANALYSIS VA06060828

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %
CC13739		<1	0.02	<10	11.40	274	<1	0.02	8	180	16	<0.01	<2	1	127	<0.01
CC13740		2	0.08	20	0.60	1465	3	0.01	47	890	47	0.06	<2	5	17	0.03
CC13741		<1	0.02	<10	11.15	333	<1	0.01	11	170	21	<0.01	<2	1	126	<0.01
CC13742		<1	0.09	10	2.04	805	1	0.01	30	700	94	0.08	<2	2	26	0.01
CC13743		<1	0.09	20	0.46	834	2	0.01	26	1280	29	0.10	<2	3	16	0.02
CC13744		<1	0.06	10	0.38	543	1	0.01	27	520	12	0.03	<2	3	12	0.04
CC13745		<1	0.03	<10	10.80	516	<1	0.01	7	160	22	<0.01	<2	1	119	<0.01
CC13746		<1	0.06	20	0.50	315	1	0.01	27	550	17	0.01	2	3	13	0.05
CC13747		<1	0.06	10	0.72	544	<1	<0.01	18	770	15	0.04	<2	1	8	0.04
CC13748		<1	0.08	10	0.61	865	2	0.01	31	1010	54	0.11	3	2	21	0.02
CC13749		<1	0.09	20	0.55	699	2	0.01	30	1310	42	0.15	<2	3	23	0.03
CC13750		<1	0.07	20	0.82	1905	4	0.01	21	610	39	0.13	<2	2	19	0.01
CC13751		<1	0.02	<10	12.10	564	1	0.02	11	150	23	<0.01	<2	1	128	0.01
CC13752		<1	0.05	10	5.79	588	1	0.01	16	460	18	0.03	<2	2	61	0.03
CC13753		<1	0.06	10	7.15	615	1	0.01	16	510	24	0.07	<2	1	75	0.01
CC13754		<1	0.03	<10	10.75	378	1	0.02	12	240	22	<0.01	<2	1	110	0.01
CC13755		1	0.06	10	2.23	382	1	0.01	25	840	17	0.02	<2	3	37	0.06
CC13756		<1	0.07	20	0.70	474	1	0.01	24	540	11	0.02	<2	3	16	0.03
CC13757		<1	0.04	<10	8.63	543	<1	0.01	13	350	28	0.04	<2	1	90	0.01
CC13758		<1	0.03	<10	10.60	436	<1	0.01	3	150	15	0.03	<2	1	106	<0.01
CC13759		1	0.10	10	2.87	827	1	0.01	14	530	20	0.07	<2	2	33	0.02
CC13766		<1	0.11	20	0.87	945	<1	0.01	25	490	53	0.04	<2	3	8	0.01
CC13767		<1	0.04	10	0.14	117	<1	0.01	5	860	14	0.07	<2	<1	7	0.01
CC13768		1	0.06	10	0.53	443	<1	0.01	13	1210	29	0.12	<2	4	27	0.02
CC13769		<1	0.08	10	0.64	582	<1	0.01	23	380	34	0.02	<2	4	13	0.05
CC13770		1	0.09	20	0.86	693	<1	0.01	24	470	59	0.03	<2	3	9	0.01
CC13771		<1	0.05	10	0.07	129	<1	0.01	3	620	6	0.05	<2	<1	6	0.02
CC13772		<1	0.06	20	0.66	323	<1	<0.01	22	220	29	<0.01	<2	2	6	0.01
CC13773		<1	0.09	20	1.06	961	<1	0.01	26	430	65	0.03	<2	3	8	0.01
CC13774		1	0.06	10	0.35	367	1	0.01	16	290	41	0.02	<2	3	11	0.05
CC13775		<1	0.06	10	0.46	264	<1	0.01	22	250	37	0.01	<2	2	11	0.06
CC13776		1	0.07	10	0.52	326	<1	0.01	22	350	56	0.03	<2	3	17	0.05
CC13777		<1	0.06	20	0.57	260	<1	0.01	19	480	22	0.03	<2	2	10	0.03
CC13778		<1	0.06	20	0.38	399	<1	0.01	20	380	48	0.02	<2	3	10	0.05
CC13821		1	0.25	<10	1.47	1030	<1	0.01	11	440	124	0.17	<2	4	14	0.01
CC13822		<1	0.21	10	1.15	1170	<1	0.01	17	470	148	0.15	<2	4	15	0.01
CC13823		2	0.20	10	0.39	927	<1	0.01	21	510	108	0.15	<2	4	17	0.01
CC13824		1	0.22	20	0.43	1320	<1	0.01	24	500	73	0.08	<2	5	19	0.01
CC13829		2	0.02	10	0.08	5920	15	<0.01	295	90	25	0.79	<2	1	116	<0.01
CC13830		<1	0.20	10	0.37	403	<1	<0.01	29	650	67	0.21	<2	4	29	<0.01



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## CERTIFICATE OF ANALYSIS VA06060828

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46
		Tl	U	V	W	Zn	Pb	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01
CC13739		10	<10	9	<10	54		
CC13740		<10	<10	63	<10	164		
CC13741		<10	<10	9	10	60		
CC13742		<10	<10	32	<10	131		
CC13743		<10	<10	52	<10	105		
CC13744		<10	<10	48	<10	65		
CC13745		<10	<10	9	<10	68		
CC13746		<10	<10	48	<10	63		
CC13747		<10	<10	47	<10	51		
CC13748		<10	<10	42	<10	132		
CC13749		<10	<10	49	<10	129		
CC13750		<10	<10	24	<10	140		
CC13751		<10	<10	11	<10	138		
CC13752		<10	<10	33	<10	146		
CC13753		<10	<10	16	<10	102		
CC13754		<10	<10	13	<10	66		
CC13755		<10	<10	50	<10	102		
CC13756		<10	<10	44	<10	82		
CC13757		<10	<10	16	<10	91		
CC13758		<10	<10	9	<10	57		
CC13759		<10	<10	24	<10	72		
CC13766		<10	<10	19	<10	105		
CC13767		<10	<10	20	<10	21		
CC13768		<10	<10	36	<10	51		
CC13769		<10	<10	38	<10	72		
CC13770		<10	<10	21	<10	114		
CC13771		<10	<10	24	<10	23		
CC13772		<10	<10	14	<10	72		
CC13773		<10	<10	18	<10	112		
CC13774		<10	<10	52	<10	94		
CC13775		<10	<10	44	<10	98		
CC13776		<10	<10	53	<10	81		
CC13777		<10	<10	36	<10	44		
CC13778		<10	<10	48	<10	81		
CC13821		<10	<10	19	<10	152		
CC13822		<10	<10	19	<10	219		
CC13823		<10	<10	17	<10	220		
CC13824		<10	<10	18	<10	200		
CC13829		<10	<10	4	<10	2410		
CC13830		<10	<10	16	<10	212		



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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
CC13841		0.14	0.4	1.54	16	<10	150	1.5	<2	0.46	<0.5	20	25	33	3.92	10
CC13842		0.12	<0.2	1.74	21	<10	130	1.2	<2	0.15	0.8	20	28	35	4.19	10
CC13843		0.18	0.2	1.76	14	<10	100	1.0	<2	0.24	0.5	16	29	32	3.74	10
CC13844		0.20	1.1	3.42	19	<10	180	1.9	<2	0.13	0.6	25	46	69	6.22	10
CC13845		0.22	1.7	2.45	19	<10	350	1.6	2	0.53	6.9	42	34	136	6.39	10
CC13846		0.32	1.8	2.50	23	<10	230	1.5	<2	0.30	4.9	44	36	62	5.05	10
CC13847		0.08	5.2	2.08	48	<10	180	1.7	<2	0.42	14.3	60	30	178	7.48	10
CC13848		0.10	1.4	2.17	38	<10	140	1.7	<2	0.29	2.8	77	32	110	6.93	10
CC13849		0.24	3.6	1.85	41	<10	220	2.7	<2	0.22	4.6	72	24	165	7.40	<10
CC13850		0.32	3.8	2.02	46	<10	240	3.5	<2	0.22	4.4	75	27	158	7.96	10
CC13851		0.34	3.3	2.22	44	<10	200	3.1	2	0.26	6.2	78	31	122	7.88	10
CC13852		0.42	3.9	2.12	28	<10	240	2.0	<2	0.49	4.5	47	26	93	6.88	10
CC13853		0.28	0.9	1.92	23	<10	180	1.5	<2	0.25	1.7	28	28	54	5.45	10
CC13854		0.20	0.8	1.43	13	<10	180	1.0	<2	0.23	1.1	21	24	29	4.15	10
CC13855		0.10	0.2	1.62	11	<10	170	0.8	<2	0.78	0.7	13	23	25	3.55	10
CC13856		0.04	0.3	1.54	11	<10	180	1.1	<2	0.80	0.8	15	20	28	3.08	10
CC13857		0.32	0.2	1.82	9	<10	140	1.3	<2	0.18	0.5	18	28	28	3.79	10
CC13858		0.16	<0.2	1.27	8	<10	140	0.8	<2	0.36	1.0	10	22	23	3.08	10
CC13859		0.08	0.6	0.51	<2	<10	230	<0.5	<2	0.83	1.2	6	10	25	1.01	<10
CC13860		0.20	<0.2	1.68	10	<10	220	0.9	<2	0.80	2.0	21	27	59	4.74	10
CC13861		0.20	<0.2	1.92	13	<10	100	0.9	<2	0.20	0.8	16	29	32	3.94	10
CC13862		0.42	0.3	1.70	12	<10	250	0.8	2	0.74	1.9	20	26	36	3.76	10
CC13863		0.20	0.2	2.03	13	<10	160	0.8	<2	0.15	1.0	23	32	30	4.44	10
CC13864		0.34	0.2	1.66	10	<10	90	0.5	<2	0.17	<0.5	11	29	23	3.74	10
CC13865		0.26	3.2	1.98	27	<10	110	1.3	<2	0.21	7.8	57	29	118	5.41	10
CC13866		0.32	4.1	2.00	39	<10	110	1.3	3	0.25	9.2	61	29	104	5.99	10
CC13867		0.30	1.1	1.86	12	<10	60	1.2	<2	0.15	3.0	23	22	42	3.57	10
CC13868		0.26	8.7	1.98	49	<10	160	3.0	3	0.26	16.7	70	25	184	6.62	10
CC13869		0.30	7.3	1.85	33	<10	210	3.5	2	0.28	13.6	43	22	125	5.34	10
CC13870		0.40	3.9	1.75	25	<10	140	2.9	2	0.17	7.6	30	21	81	4.53	10
CC13871		0.40	9.1	1.85	53	<10	190	2.8	3	0.21	13.2	66	22	163	7.45	10
CC13872		0.32	3.4	1.98	24	<10	130	2.8	2	0.18	4.9	37	24	79	4.64	10
CC13873		0.28	2.6	2.01	27	<10	120	2.6	2	0.19	3.2	45	26	72	4.78	10
CC13874		0.32	0.3	1.47	11	<10	110	1.0	<2	0.10	1.0	12	22	24	3.82	10
CC13875		0.34	0.3	1.94	8	<10	60	1.3	<2	0.09	0.7	20	25	18	4.24	10
CC13876		0.28	<0.2	2.25	14	<10	120	0.8	2	0.12	<0.5	17	31	43	3.79	10
CC13877		0.42	0.3	1.99	5	<10	50	0.8	<2	0.06	<0.5	15	27	55	4.23	10
CC13878		0.40	0.2	2.09	8	<10	120	1.1	<2	0.19	<0.5	21	33	65	3.95	10
CC13879		0.24	0.2	1.79	8	<10	110	0.9	<2	0.10	<0.5	14	25	47	3.41	10
CC13880		0.28	<0.2	1.56	8	<10	90	0.7	<2	0.09	<0.5	8	20	16	3.09	10



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## CERTIFICATE OF ANALYSIS VA06060828

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	
	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	Ti
CC13841		1	0.09	10	0.49	1200	<1	0.01	25	1370	197	0.11	<2	3	17	0.05
CC13842		<1	0.12	20	0.69	917	1	0.01	37	940	352	0.06	3	3	9	0.05
CC13843		2	0.09	20	0.76	700	1	0.01	33	880	193	0.03	2	4	15	0.08
CC13844		2	0.10	20	0.86	1660	2	0.01	42	1590	643	0.11	<2	10	14	0.07
CC13845		3	0.11	30	1.12	4450	<1	0.01	47	1350	2030	0.10	<2	11	16	0.05
CC13846		<1	0.12	20	1.33	2610	1	0.01	45	1170	1850	0.08	<2	9	17	0.05
CC13847		2	0.10	20	0.87	4420	2	0.02	59	1220	4410	0.17	3	14	22	0.05
CC13848		<1	0.09	10	0.88	4710	1	0.01	63	1210	1865	0.14	4	7	15	0.04
CC13849		1	0.12	20	0.93	4870	1	0.02	78	1310	1795	0.06	6	15	16	0.05
CC13850		<1	0.13	20	1.00	5700	1	0.01	78	1430	1630	0.07	5	16	13	0.04
CC13851		<1	0.11	20	1.03	4990	2	0.01	82	1630	2250	0.09	9	15	17	0.04
CC13852		<1	0.11	20	0.91	3580	2	0.02	62	1130	2420	0.14	8	11	17	0.02
CC13853		<1	0.12	20	0.82	2110	1	0.01	42	960	999	0.07	3	7	13	0.03
CC13854		<1	0.11	10	0.53	1840	1	<0.01	22	870	524	0.07	2	4	12	0.03
CC13855		<1	0.09	10	0.51	1260	2	0.02	20	1710	96	0.17	<2	2	23	0.04
CC13856		<1	0.09	10	0.48	1620	1	0.02	21	1480	88	0.14	2	2	22	0.03
CC13857		<1	0.10	10	0.43	1485	1	0.01	22	1480	88	0.10	3	2	14	0.04
CC13858		<1	0.09	10	0.36	590	1	0.01	16	1420	116	0.12	<2	1	16	0.03
CC13859		<1	0.07	10	0.19	634	1	0.02	9	2200	44	0.31	<2	1	32	0.01
CC13860		<1	0.09	10	0.87	2710	1	0.01	24	1440	211	0.12	<2	7	17	0.04
CC13861		<1	0.10	20	0.74	1030	1	0.01	34	910	292	0.04	<2	4	13	0.06
CC13862		<1	0.10	10	0.69	1400	1	0.01	25	1510	391	0.12	<2	3	24	0.04
CC13863		<1	0.11	20	0.88	1290	1	0.01	28	1210	327	0.08	<2	4	12	0.05
CC13864		<1	0.07	20	0.51	447	1	0.01	26	840	280	0.04	<2	3	13	0.06
CC13865		<1	0.07	20	0.92	3630	2	0.01	65	830	3110	0.05	8	9	14	0.05
CC13866		<1	0.08	20	0.99	3590	2	0.01	72	1000	3530	0.07	10	8	14	0.05
CC13867		<1	0.22	20	1.36	1295	1	<0.01	33	710	1035	0.04	3	5	5	0.01
CC13868		1	0.11	20	1.18	4950	1	<0.01	66	1110	7410	0.13	11	13	13	0.04
CC13869		<1	0.15	30	0.99	4050	1	0.01	40	1490	5940	0.07	7	11	12	0.02
CC13870		<1	0.19	30	1.00	2920	1	<0.01	36	1180	4070	0.04	6	9	8	0.02
CC13871		2	0.12	30	1.12	5190	2	0.01	62	1110	7250	0.05	10	13	13	0.03
CC13872		<1	0.16	30	1.03	3060	1	0.01	38	1320	4440	0.05	5	9	12	0.03
CC13873		<1	0.15	20	0.96	3290	1	0.01	38	1550	5100	0.06	6	8	14	0.03
CC13874		<1	0.10	20	0.40	1005	1	0.01	15	1150	1060	0.09	3	2	10	0.02
CC13875		<1	0.19	30	0.71	1415	1	<0.01	22	850	867	0.03	3	4	6	0.02
CC13876		<1	0.06	10	0.57	687	1	<0.01	26	600	63	0.01	2	4	12	0.06
CC13877		<1	0.05	10	0.69	452	<1	<0.01	30	180	53	<0.01	<2	2	6	<0.01
CC13878		<1	0.08	10	0.64	731	1	<0.01	27	550	85	0.02	2	4	13	0.02
CC13879		<1	0.05	10	0.53	407	1	<0.01	23	440	59	0.02	3	2	10	0.02
CC13880		<1	0.04	10	0.29	335	1	0.01	13	380	50	0.02	<2	2	9	0.04



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## CERTIFICATE OF ANALYSIS VA06060828

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46
		Ti	U	V	W	Zn	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	0.01	0.01
CC13841		<10	<10	53	<10	214		
CC13842		<10	<10	50	<10	589		
CC13843		<10	<10	66	<10	533		
CC13844		<10	<10	104	<10	626		
CC13845		<10	<10	84	<10	2500		
CC13846		<10	<10	79	<10	2530		
CC13847		<10	<10	62	<10	7130		
CC13848		<10	<10	69	<10	1775		
CC13849		<10	<10	50	<10	2590		
CC13850		10	<10	55	<10	2310		
CC13851		<10	<10	59	<10	3020		
CC13852		<10	<10	54	<10	1655		
CC13853		<10	<10	56	<10	1025		
CC13854		<10	<10	54	<10	560		
CC13855		<10	<10	50	<10	133		
CC13856		<10	<10	40	<10	118		
CC13857		<10	<10	55	<10	104		
CC13858		<10	<10	50	<10	137		
CC13859		<10	<10	17	<10	166		
CC13860		<10	<10	74	<10	380		
CC13861		<10	<10	54	<10	472		
CC13862		<10	<10	65	<10	632		
CC13863		<10	<10	72	<10	557		
CC13864		<10	<10	70	<10	614		
CC13865		<10	<10	57	<10	4730		
CC13866		<10	<10	57	<10	5280		
CC13867		<10	<10	24	<10	1980		
CC13868		<10	<10	48	<10	>10000		1.11
CC13869		<10	<10	35	<10	6030		
CC13870		<10	<10	28	<10	3750		
CC13871		<10	<10	39	<10	5580		
CC13872		<10	<10	38	<10	2970		
CC13873		<10	<10	43	<10	2180		
CC13874		<10	<10	42	<10	483		
CC13875		<10	<10	37	<10	603		
CC13876		<10	<10	51	<10	93		
CC13877		<10	<10	14	<10	84		
CC13878		<10	<10	26	<10	97		
CC13879		<10	<10	27	<10	68		
CC13880		<10	<10	44	<10	46		



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## CERTIFICATE OF ANALYSIS VA06060828

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
CC13893		0.28	0.2	1.60	4	<10	110	0.8	<2	0.22	<0.5	14	22	27	3.36	<10
CC13894		0.32	0.3	1.70	16	<10	310	0.9	<2	0.60	<0.5	15	28	37	4.28	10
CC13895		0.50	0.2	1.48	10	<10	120	0.7	<2	0.22	<0.5	12	23	36	3.20	<10
CC13896		0.30	<0.2	1.04	24	10	70	0.9	<2	0.58	0.5	11	13	26	3.73	<10
CC13897		0.34	<0.2	1.52	14	<10	70	0.8	<2	0.06	<0.5	10	20	16	4.53	10
CC13898		0.24	0.2	2.12	10	<10	190	1.1	<2	0.43	<0.5	15	33	75	3.67	10
CC13899		0.24	<0.2	2.20	9	<10	100	0.9	<2	0.06	<0.5	13	24	17	4.01	10
CC13900		0.42	0.2	1.64	3	<10	120	0.7	<2	0.15	<0.5	11	21	25	2.92	<10
CC13901		0.12	0.6	0.99	9	<10	120	0.7	<2	0.09	0.6	11	19	24	3.22	<10
CC13902		0.24	0.3	1.70	22	<10	140	1.3	<2	0.10	0.8	22	25	41	4.34	10
CC13903		0.18	0.3	1.18	15	<10	180	1.2	<2	0.20	0.8	14	19	29	2.95	<10
CC13904		0.14	<0.2	1.49	12	<10	80	0.7	<2	0.12	0.6	13	29	23	4.59	10
CC13905		0.24	<0.2	1.92	8	<10	80	0.5	<2	0.07	<0.5	12	32	28	5.21	10
CC13906		0.26	<0.2	1.86	12	<10	80	0.6	2	0.07	<0.5	17	33	20	4.95	10
CC13907		0.22	0.4	2.08	13	<10	110	1.0	2	0.12	1.3	27	33	40	4.89	10
CC13908		0.20	0.2	2.16	7	<10	210	1.3	<2	0.37	1.9	40	41	90	5.57	10
CC13909		0.22	0.8	2.32	18	<10	200	1.4	<2	0.33	2.6	41	33	66	5.36	10
CC13910		0.22	4.1	2.17	52	<10	180	1.8	4	0.25	14.3	83	29	215	6.37	10
CC13911		0.24	4.5	2.05	179	<10	100	1.4	6	0.22	8.3	91	25	170	5.86	10
CC13912		0.20	16.4	2.20	66	<10	210	1.7	5	0.73	81.4	105	28	266	11.65	10
CC13913		0.22	7.0	1.77	60	<10	110	1.2	3	0.24	21.4	88	24	182	6.79	10
CC13914		0.24	7.8	2.05	50	<10	200	2.4	4	0.19	29.2	87	28	370	9.37	10
CC13915		0.18	0.6	1.76	20	<10	120	2.3	2	0.17	2.0	41	23	49	4.33	10
CC13916		0.24	0.2	1.58	11	<10	140	1.1	<2	0.23	0.5	14	25	27	3.39	10
CC13917		0.22	0.2	1.42	9	<10	170	0.9	<2	0.20	0.5	13	22	21	2.88	<10
CC13918		0.18	0.2	1.56	12	<10	140	1.0	2	0.38	0.6	13	24	27	2.99	<10
CC13919		0.16	<0.2	1.38	9	<10	180	0.7	<2	0.24	0.6	10	25	19	3.09	10
CC13920		0.14	0.2	1.48	11	<10	160	0.8	2	0.24	0.6	13	24	25	2.99	10
CC13921		0.20	0.5	1.84	13	<10	160	1.2	2	0.31	1.0	15	27	35	3.32	10
CC13922		0.22	0.3	1.48	12	<10	140	0.6	3	0.13	0.8	15	28	24	4.31	10
CC13923		0.22	0.3	2.13	12	<10	160	1.0	2	0.16	0.5	16	31	33	4.03	10
CC13924		0.24	0.3	2.13	17	<10	180	1.3	<2	0.29	1.4	19	32	43	4.24	10
CC13925		0.28	10.9	2.11	57	<10	70	2.6	3	0.15	15.8	92	21	264	7.46	10
CC13926		0.22	3.9	1.72	34	<10	160	2.8	3	0.20	4.5	47	21	104	5.51	<10
CC13927		0.22	0.8	1.74	18	<10	150	2.6	<2	0.16	3.1	41	22	39	3.83	<10
CC13928		0.12	0.5	0.81	3	<10	80	0.7	<2	0.14	0.8	8	14	17	2.51	<10
CC13929		0.22	0.7	1.72	23	<10	140	1.8	2	0.19	1.1	23	26	40	5.81	10
CC13930		0.48	<0.2	0.95	3	<10	70	0.5	<2	0.02	<0.5	2	15	26	3.72	<10
CC13931		0.36	0.2	0.27	5	<10	260	<0.5	<2	<0.01	<0.5	<1	6	11	2.66	<10
CC13932		0.28	0.2	0.44	7	<10	130	0.6	<2	12.05	<0.5	8	6	14	2.15	<10



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		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
CC13893		<1	0.08	20	0.88	617	<1	<0.01	25	410	38	0.01	<2	3	6	0.01
CC13894		<1	0.09	10	0.61	731	2	0.01	24	840	68	0.05	2	4	16	0.03
CC13895		<1	0.08	20	0.60	470	2	0.01	30	450	25	0.01	<2	3	12	0.04
CC13896		<1	0.17	30	0.64	642	5	0.01	43	510	22	0.05	3	3	12	0.01
CC13897		<1	0.10	20	0.22	376	2	<0.01	14	630	27	0.03	2	2	8	0.03
CC13898		<1	0.09	10	0.70	785	1	0.01	28	860	30	0.05	<2	7	17	0.04
CC13899		<1	0.07	10	0.35	310	1	<0.01	23	350	15	0.01	<2	3	7	0.02
CC13900		<1	0.08	20	0.57	441	<1	<0.01	21	450	21	0.01	<2	2	7	0.01
CC13901		<1	0.07	10	0.17	909	2	0.01	11	1580	451	0.16	<2	1	10	0.02
CC13902		<1	0.09	20	0.64	1655	1	<0.01	34	810	426	0.05	4	3	9	0.04
CC13903		1	0.13	20	0.43	1080	<1	0.02	17	1180	318	0.10	3	2	10	0.03
CC13904		<1	0.09	10	0.41	1030	2	0.01	19	1000	137	0.08	2	2	11	0.04
CC13905		<1	0.05	10	0.81	548	1	<0.01	20	740	63	0.06	<2	4	8	0.04
CC13906		<1	0.06	10	0.47	1070	2	<0.01	19	780	78	0.04	<2	4	9	0.05
CC13907		<1	0.06	10	0.99	1480	1	<0.01	29	830	510	0.03	2	7	10	0.06
CC13908		<1	0.18	20	1.51	3680	1	<0.01	34	700	190	0.04	<2	38	8	0.02
CC13909		<1	0.11	20	1.08	3130	1	<0.01	42	900	791	0.05	2	18	11	0.03
CC13910		<1	0.12	30	1.35	5180	3	<0.01	74	1180	3910	0.12	9	15	13	0.04
CC13911		1	0.08	20	1.31	3910	3	<0.01	86	890	3910	0.12	11	13	12	0.04
CC13912		1	0.07	30	1.13	12000	3	0.01	95	1190	>10000	0.24	26	26	16	0.04
CC13913		<1	0.07	20	1.08	4220	2	<0.01	90	940	7290	0.23	15	13	13	0.04
CC13914		<1	0.10	30	1.10	8090	2	0.01	94	1380	9010	0.23	12	28	11	0.03
CC13915		<1	0.12	20	0.80	3040	1	0.01	31	1400	1810	0.09	3	5	10	0.02
CC13916		<1	0.08	10	0.47	1180	1	<0.01	23	1060	111	0.06	3	2	13	0.04
CC13917		<1	0.08	10	0.37	1255	1	0.01	19	1340	102	0.10	<2	2	15	0.03
CC13918		<1	0.07	10	0.49	946	1	0.01	23	940	91	0.06	<2	3	16	0.04
CC13919		<1	0.06	10	0.39	716	1	<0.01	19	1120	97	0.07	<2	2	15	0.04
CC13920		<1	0.07	10	0.40	800	1	<0.01	20	1160	104	0.10	<2	2	14	0.04
CC13921		<1	0.07	10	0.51	1010	1	0.01	27	1210	308	0.08	2	3	16	0.04
CC13922		<1	0.06	10	0.42	1225	2	<0.01	17	810	449	0.06	<2	3	11	0.05
CC13923		<1	0.06	10	0.66	931	1	<0.01	29	980	120	0.06	<2	4	15	0.06
CC13924		<1	0.11	20	0.73	1340	1	0.01	30	1240	621	0.06	3	5	16	0.06
CC13925		1	0.11	20	1.36	5340	4	<0.01	77	1140	8130	0.19	21	10	7	0.02
CC13926		<1	0.16	30	0.87	4080	1	<0.01	51	1450	2340	0.06	6	9	11	0.02
CC13927		<1	0.16	30	0.77	3360	1	<0.01	35	1440	1170	0.05	5	6	11	0.03
CC13928		<1	0.06	10	0.23	639	1	0.01	10	990	408	0.09	<2	1	10	0.02
CC13929		<1	0.09	10	0.45	1785	2	<0.01	28	1090	653	0.06	<2	4	13	0.03
CC13930		<1	0.16	<10	0.07	56	1	<0.01	6	230	71	0.09	2	6	6	0.01
CC13931		<1	0.15	<10	0.01	5	2	<0.01	1	40	83	0.19	<2	2	1	<0.01
CC13932		<1	0.13	<10	6.98	558	1	0.02	10	300	94	0.11	<2	3	38	<0.01



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Total Pages: 5 (A - C)

Finalized Date: 7-JUL-2006

Account: MTT

## CERTIFICATE OF ANALYSIS VA06060828

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46
		TI	U	V	W	Zn	Pb	Zn
		ppm 10	ppm 10	ppm 1	ppm 10	ppm 2	% 0.01	% 0.01
CC13893		<10	<10	17	<10	89		
CC13894		<10	<10	50	<10	92		
CC13895		<10	<10	35	<10	59		
CC13896		<10	<10	26	<10	95		
CC13897		<10	<10	59	<10	67		
CC13898		<10	<10	49	<10	122		
CC13899		<10	<10	41	<10	34		
CC13900		<10	<10	21	<10	54		
CC13901		<10	<10	43	<10	204		
CC13902		<10	<10	43	<10	572		
CC13903		<10	<10	36	<10	395		
CC13904		<10	<10	66	<10	164		
CC13905		<10	<10	130	<10	154		
CC13906		<10	<10	98	<10	158		
CC13907		<10	<10	106	<10	732		
CC13908		<10	<10	139	<10	540		
CC13909		<10	<10	102	<10	1405		
CC13910		<10	<10	61	<10	6920		
CC13911		<10	<10	55	<10	4920		
CC13912		<10	<10	58	10	>10000	1.25	3.98
CC13913		<10	<10	51	10	>10000		1.33
CC13914		<10	<10	67	10	>10000		1.61
CC13915		<10	<10	41	<10	1290		
CC13916		<10	<10	49	<10	136		
CC13917		<10	<10	42	<10	112		
CC13918		<10	<10	45	<10	147		
CC13919		<10	<10	52	<10	145		
CC13920		<10	<10	48	<10	136		
CC13921		<10	<10	52	<10	422		
CC13922		<10	<10	75	<10	474		
CC13923		<10	<10	74	<10	232		
CC13924		<10	<10	63	<10	707		
CC13925		<10	<10	35	<10	9760		
CC13926		<10	<10	31	<10	2110		
CC13927		<10	<10	33	<10	1095		
CC13928		<10	<10	31	<10	224		
CC13929		<10	<10	49	<10	708		
CC13930		<10	<10	19	<10	53		
CC13931		<10	<10	8	<10	6		
CC13932		<10	<10	8	<10	223		





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## CERTIFICATE OF ANALYSIS VA06060828

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
CC13933		0.44	0.3	0.64	6	<10	110	0.7	<2	10.85	0.7	7	9	15	2.31	<10
CC13934		0.30	<0.2	0.39	4	<10	150	0.6	<2	11.90	<0.5	7	6	14	2.03	<10
CC13935		0.28	0.3	0.23	5	<10	40	<0.5	<2	17.60	0.9	2	4	7	1.52	<10
CC13936		0.26	<0.2	0.42	6	<10	140	0.5	<2	11.25	<0.5	5	6	14	2.13	<10
CC13937		0.22	<0.2	0.60	12	10	120	0.6	<2	11.10	<0.5	3	8	15	2.23	<10
CC13938		0.26	0.2	0.80	7	10	150	0.7	<2	9.34	<0.5	4	10	20	2.50	<10
CC13939		0.48	0.2	0.62	8	10	210	0.7	<2	5.98	<0.5	4	9	16	2.56	<10
CC13940		0.50	8.8	0.34	493	<10	150	<0.5	<2	0.04	<0.5	11	8	109	25.3	<10
CC13971		0.20	1.4	1.84	20	<10	200	1.8	2	0.29	1.1	25	27	70	5.34	<10
CC13972		0.16	0.4	1.60	11	<10	160	0.9	<2	0.18	0.5	12	25	25	3.95	10
CC13974		0.40	0.5	2.05	8	<10	200	2.1	<2	0.17	<0.5	25	37	81	3.55	<10
CC13975		0.28	0.2	2.38	15	<10	100	0.9	2	0.08	<0.5	13	32	29	4.20	10
CC13976		0.28	0.4	2.14	24	<10	90	1.0	<2	0.07	<0.5	15	53	35	4.43	10
CC13977		0.46	0.2	1.92	14	<10	160	1.7	<2	0.18	<0.5	17	28	44	3.86	<10
CC13978		0.48	0.2	2.06	7	<10	110	0.8	2	0.14	<0.5	10	27	28	2.81	10
CC13979		0.34	<0.2	1.68	7	<10	70	<0.5	<2	0.06	<0.5	9	24	16	3.66	10
CC13980		0.30	<0.2	2.39	12	<10	110	0.7	<2	0.07	<0.5	13	30	20	3.93	10
CC13981		0.48	0.6	1.95	11	<10	240	1.2	<2	0.45	<0.5	15	31	62	3.60	<10
CC13982		0.40	0.3	1.81	10	<10	200	1.0	<2	0.27	<0.5	13	28	33	3.34	<10
CC13983		0.36	0.8	2.14	27	<10	350	1.3	<2	0.53	2.1	34	33	102	5.14	<10
CC13984		0.26	0.7	2.08	23	<10	380	1.3	<2	0.58	0.8	36	31	89	5.11	<10
CC13985		0.30	0.8	1.81	15	<10	260	1.5	<2	0.66	1.4	19	30	90	3.96	<10
CC13986		0.28	0.4	2.35	11	<10	170	1.6	<2	0.08	<0.5	14	30	20	4.94	10
CC13987		0.24	0.3	1.71	16	<10	100	0.9	<2	0.09	<0.5	11	25	22	4.26	10
CC13988		0.30	<0.2	1.21	9	<10	70	0.9	<2	0.10	<0.5	16	17	30	5.03	10
CC13989		0.28	0.5	1.81	13	<10	120	1.4	<2	0.13	<0.5	19	22	24	5.23	<10
CC13990		0.40	0.3	1.34	12	<10	220	1.0	<2	0.41	<0.5	18	19	56	3.52	<10
CC13991		0.22	0.3	1.58	12	<10	110	1.2	2	0.14	<0.5	17	21	38	3.38	<10
CC13992		0.38	<0.2	1.42	12	<10	160	0.8	<2	0.28	<0.5	11	23	29	2.66	<10
CC13993		0.40	0.4	1.55	14	<10	180	1.1	<2	0.36	<0.5	15	23	46	3.56	<10
CC13994		0.40	0.5	2.22	12	<10	270	1.3	<2	0.37	<0.5	16	32	39	3.80	10
CC13995		0.38	0.4	1.51	11	<10	190	0.9	<2	0.47	<0.5	12	23	43	3.34	<10
CC13996		0.46	0.4	2.17	13	<10	270	1.1	<2	0.49	<0.5	11	29	43	3.05	10
CC13997		0.32	0.4	1.13	15	<10	230	1.1	<2	2.84	0.9	13	25	61	3.18	<10
CC13998		0.46	0.2	1.52	7	<10	120	0.9	<2	0.16	<0.5	16	25	30	3.34	<10
CC13999		0.32	<0.2	1.48	3	<10	100	0.7	2	0.19	<0.5	13	22	30	3.13	<10



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Account: MTT

## CERTIFICATE OF ANALYSIS VA06060828

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 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
CC13933		<1	0.13	<10	6.44	736	<1	0.02	10	500	89	0.05	2	3	39	0.01
CC13934		<1	0.12	<10	6.86	516	<1	0.01	7	240	80	0.11	<2	3	36	<0.01
CC13935		1	0.05	<10	10.40	890	<1	0.03	10	300	90	<0.01	<2	2	63	<0.01
CC13936		1	0.14	<10	6.64	523	<1	0.02	12	230	82	0.12	<2	3	37	<0.01
CC13937		1	0.22	<10	6.60	475	<1	0.02	9	170	108	0.20	<2	3	33	<0.01
CC13938		1	0.25	<10	5.57	419	<1	0.02	11	240	93	0.24	<2	3	29	0.01
CC13939		<1	0.35	<10	3.53	386	<1	0.02	9	230	65	0.40	<2	3	25	0.01
CC13940		2	0.14	10	0.08	119	14	0.01	23	1430	2250	0.85	12	2	3	0.01
CC13971		<1	0.14	20	0.60	2050	1	0.01	28	1050	1195	0.07	3	5	13	0.03
CC13972		<1	0.16	20	0.48	666	<1	0.01	16	780	298	0.05	<2	3	11	0.03
CC13974		1	0.12	20	0.72	334	1	0.01	33	580	400	0.03	<2	6	12	0.02
CC13975		1	0.06	20	0.53	738	1	0.01	21	630	73	0.04	<2	3	10	0.04
CC13976		1	0.08	20	0.56	793	1	0.01	26	630	135	0.04	<2	2	8	0.03
CC13977		1	0.10	20	0.82	1680	1	0.01	26	760	94	0.03	<2	5	10	0.02
CC13978		<1	0.06	10	0.52	307	1	0.01	24	670	33	0.02	<2	3	13	0.05
CC13979		1	0.05	10	0.34	339	1	0.01	17	330	24	0.02	<2	2	8	0.05
CC13980		<1	0.08	10	0.48	447	1	0.01	25	360	37	0.02	<2	3	9	0.04
CC13981		1	0.10	20	0.82	730	<1	0.01	28	630	147	0.05	2	5	14	0.02
CC13982		1	0.08	20	0.62	650	<1	0.02	26	690	116	0.03	<2	5	19	0.06
CC13983		1	0.12	20	0.87	2190	<1	0.02	56	1040	377	0.12	3	23	21	0.04
CC13984		1	0.12	20	0.82	2640	<1	0.02	33	1110	297	0.14	3	16	18	0.03
CC13985		1	0.15	20	0.87	867	1	0.01	30	800	306	0.10	2	8	22	0.01
CC13986		<1	0.12	20	0.37	1185	1	0.01	15	620	206	0.04	<2	4	9	0.02
CC13987		1	0.08	10	0.35	884	1	0.01	16	550	162	0.05	2	3	10	0.04
CC13988		1	0.12	30	0.24	1145	1	0.01	11	770	48	0.03	3	2	6	0.02
CC13989		1	0.06	10	0.24	1795	1	0.01	14	930	197	0.08	2	2	8	0.02
CC13990		1	0.16	20	0.76	995	<1	0.01	26	760	94	0.08	3	4	10	0.01
CC13991		<1	0.15	30	0.70	851	<1	0.01	25	520	70	0.03	<2	3	6	0.01
CC13992		<1	0.10	20	0.51	594	<1	0.01	20	730	96	0.04	3	3	15	0.04
CC13993		1	0.17	30	0.79	621	1	0.01	35	760	114	0.05	<2	5	12	0.02
CC13994		1	0.17	20	0.77	944	<1	0.01	30	920	142	0.05	<2	5	17	0.03
CC13995		1	0.12	20	0.66	537	1	0.02	27	720	89	0.07	3	4	14	0.02
CC13996		1	0.12	20	0.69	562	1	0.01	29	840	49	0.06	<2	5	19	0.03
CC13997		<1	0.13	20	1.86	1135	2	0.01	29	830	132	0.10	2	5	31	0.02
CC13998		<1	0.09	20	0.93	1240	<1	<0.01	29	390	42	0.02	2	3	5	0.01
CC13999		1	0.08	20	0.84	615	<1	0.01	25	370	35	0.02	<2	3	5	0.01



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Finalized Date: 7-JUL-2006

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**CERTIFICATE OF ANALYSIS VA06060828**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Pb-AA46	Zn-AA46
		Ti	U	V	W	Zn	Pb	Zn
		ppm	ppm	ppm	ppm	ppm	%	%
		10	10	1	10	2	0.01	0.01
CC13933		<10	<10	12	<10	344		
CC13934		<10	<10	7	<10	191		
CC13935		<10	<10	8	<10	212		
CC13936		<10	<10	9	<10	189		
CC13937		<10	<10	16	<10	295		
CC13938		<10	<10	18	<10	260		
CC13939		<10	<10	14	<10	105		
CC13940		<10	<10	16	<10	801		
CC13971		<10	<10	50	<10	932		
CC13972		<10	<10	56	<10	357		
CC13974		<10	<10	32	<10	245		
CC13975		<10	<10	70	<10	95		
CC13976		<10	<10	47	<10	92		
CC13977		<10	<10	32	<10	130		
CC13978		<10	<10	48	<10	73		
CC13979		<10	<10	59	<10	49		
CC13980		<10	<10	52	<10	69		
CC13981		<10	<10	29	<10	284		
CC13982		<10	<10	47	<10	246		
CC13983		<10	<10	92	<10	3090		
CC13984		<10	<10	89	<10	546		
CC13985		<10	<10	41	<10	929		
CC13986		<10	<10	60	<10	589		
CC13987		<10	<10	61	<10	227		
CC13988		<10	<10	34	<10	100		
CC13989		<10	<10	44	<10	75		
CC13990		<10	<10	21	<10	143		
CC13991		<10	<10	25	<10	131		
CC13992		<10	<10	42	<10	138		
CC13993		<10	<10	29	<10	201		
CC13994		<10	<10	50	<10	296		
CC13995		<10	<10	36	<10	136		
CC13996		<10	<10	43	<10	108		
CC13997		<10	<10	28	<10	517		
CC13998		<10	<10	17	<10	104		
CC13999		<10	<10	18	<10	90		



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Account: MTT

## CERTIFICATE VA06060826

Project: KIT

P.O. No.:

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 16-JUN-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
Zn-AA46	Ore grade Zn - aqua regia/AA	AAS
ME-ICP41	34 Element Aqua Regia ICP-AES	ICP-AES

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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## CERTIFICATE OF ANALYSIS VA06060826

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
BB39766		0.12	6.1	0.50	134	<10	90	<0.5	<2	0.02	1.3	44	15	48	15.10	<10
BB39767		0.08	9.0	0.31	48	<10	100	<0.5	<2	15.00	67.0	15	3	72	3.86	<10
BB39768		0.66	0.6	1.48	27	<10	80	0.6	<2	7.59	2.8	5	15	12	2.95	<10
BB39769		0.48	3.8	1.96	26	<10	200	0.6	<2	3.18	27.0	18	28	31	4.13	10



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## CERTIFICATE OF ANALYSIS VA06060826

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	%
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	0.01
BB39766		<1	0.46	10	0.08	342	3	<0.01	79	450	929	0.76	26	4	8	<0.01
BB39767		4	0.11	10	8.21	4160	<1	0.02	41	120	385	2.03	15	3	49	<0.01
BB39768		1	0.35	20	5.02	2520	<1	0.01	10	430	158	0.08	2	4	39	0.01
BB39769		3	0.31	30	2.82	1160	<1	0.01	25	600	1875	0.78	8	5	24	<0.01



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## CERTIFICATE OF ANALYSIS VA06060826

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-AA46
		Tl	U	V	W	Zn	Zn
		ppm	ppm	ppm	ppm	ppm	%
		10	10	1	10	2	0.01
BB39766		10	<10	25	<10	1340	
BB39767		10	<10	7	20	>10000	3.07
BB39768		<10	<10	18	<10	1695	
BB39769		<10	<10	35	<10	>10000	1.37