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**ASSESSMENT REPORT**

describing

**SOIL SAMPLING, PROSPECTING AND  
GEOLOGICAL MAPPING**

at the

**WIND PROPERTY**

Wind 1-8 YC73932-YC73939

NTS 105G/08 and 105G/09  
Latitude 61°30'N; Longitude 130°26'W

located in the

Watson Lake Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

Dan Gregory, B.Sc. Geology, GIT  
November 2009

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## **INTRODUCTION**

The Wind property was staked in September 2008 following a research study, which identified volcanogenic massive sulphide (VMS) targets within the Finlayson Lake area of the Yukon Territory. The property is owned 100% by Strategic Metals Ltd.

This report describes work conducted between June 20 and 25, 2009 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic. The work consisted of geological mapping, prospecting and soil sampling. It was completed by a crew of two people from a helicopter-supported 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 Wind property is located in southeastern Yukon at latitude 61°30'05" north and longitude 130°26'13" west on NTS mapsheets 105 G/08 and 105 G/09 (Figure 1). The claims are registered with the Watson Lake Mining Recorder in the name of Archer Cathro which holds them in trust for Strategic. Claim registration data are listed below while locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Wind 1-8	YC73932-YC73939	March 23, 2014

\* Expiry date includes 2009 work that has been filed for assessment credit but not yet accepted.

The Wind claims lie approximately 263 km east-northeast of Whitehorse and 119 km east-southeast of Ross River. The closest road is the Robert Campbell Highway, 14 km north of the property. In 2009, the property was accessed by a Hughes 500C helicopter operated by Kluane Airways from a seasonal base at McEvoy Lake, 37 km to the north.

## **HISTORY**

The area underlain by the Wind claims was first staked in 1994 by Cominco Ltd. as part of the much larger Tag claim block, which covered the projected extension of the stratigraphic package that hosts the Kudz Ze Kayah VMS deposit. Cominco performed minor soil sampling on what are now the Wind claims. Despite obtaining moderately anomalous copper values, the claims were allowed to lapse (Vanderkley, 1995).

## **GEOMORPHOLOGY**

The Wind property lies on the north side of a small ridge on the northeast side of the Pelly Mountains, about 5.5 km west of Wolverine Lake. Creeks draining the property flow into Wind Lake, which ultimately connects to the Arctic Ocean via the Finlayson, Frances, Liard and Mackenzie Rivers.

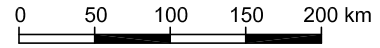
# STRATEGIC METALS LTD.

FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

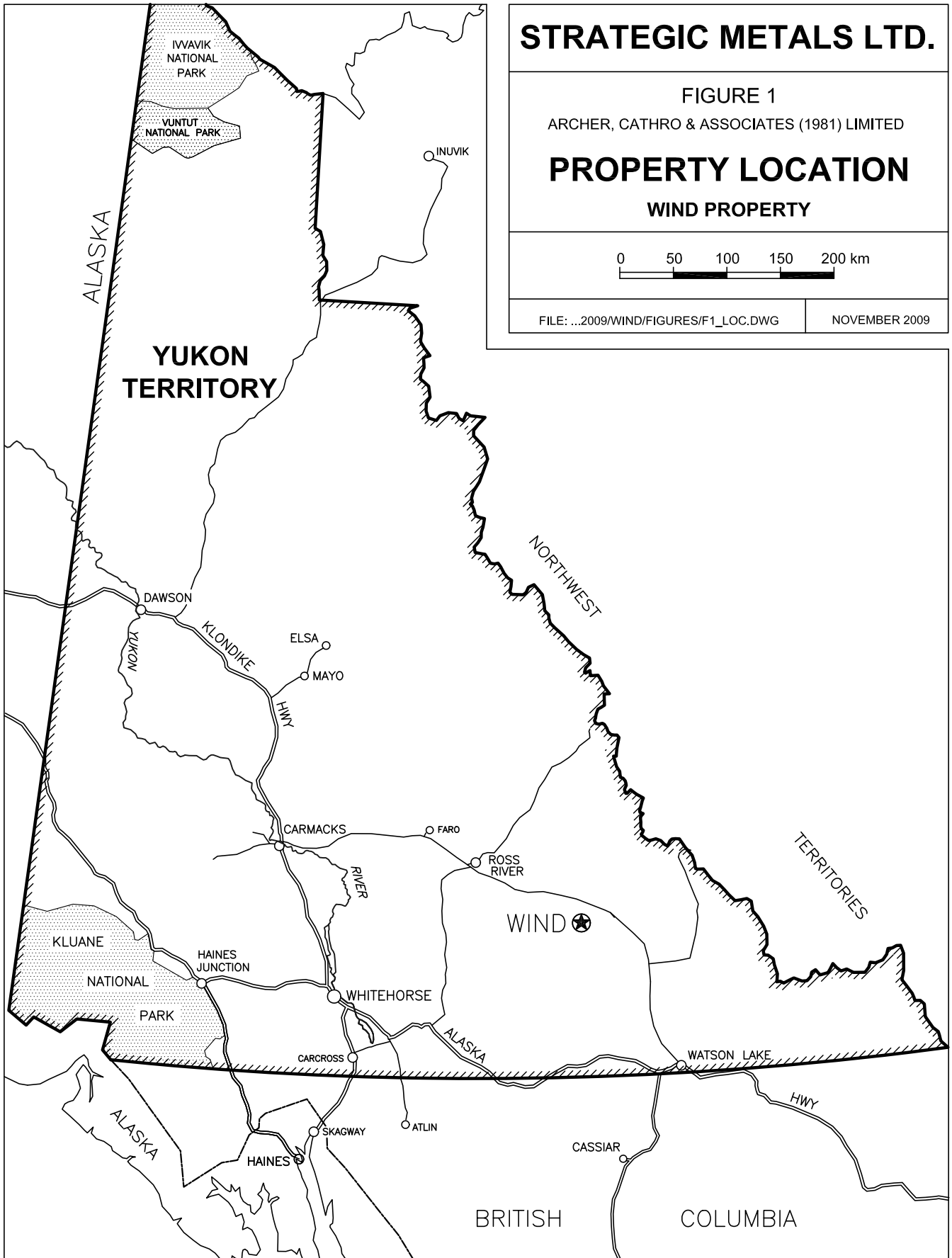
## PROPERTY LOCATION

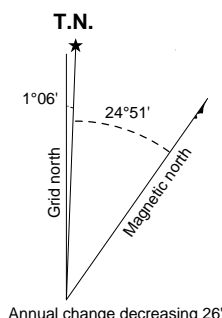
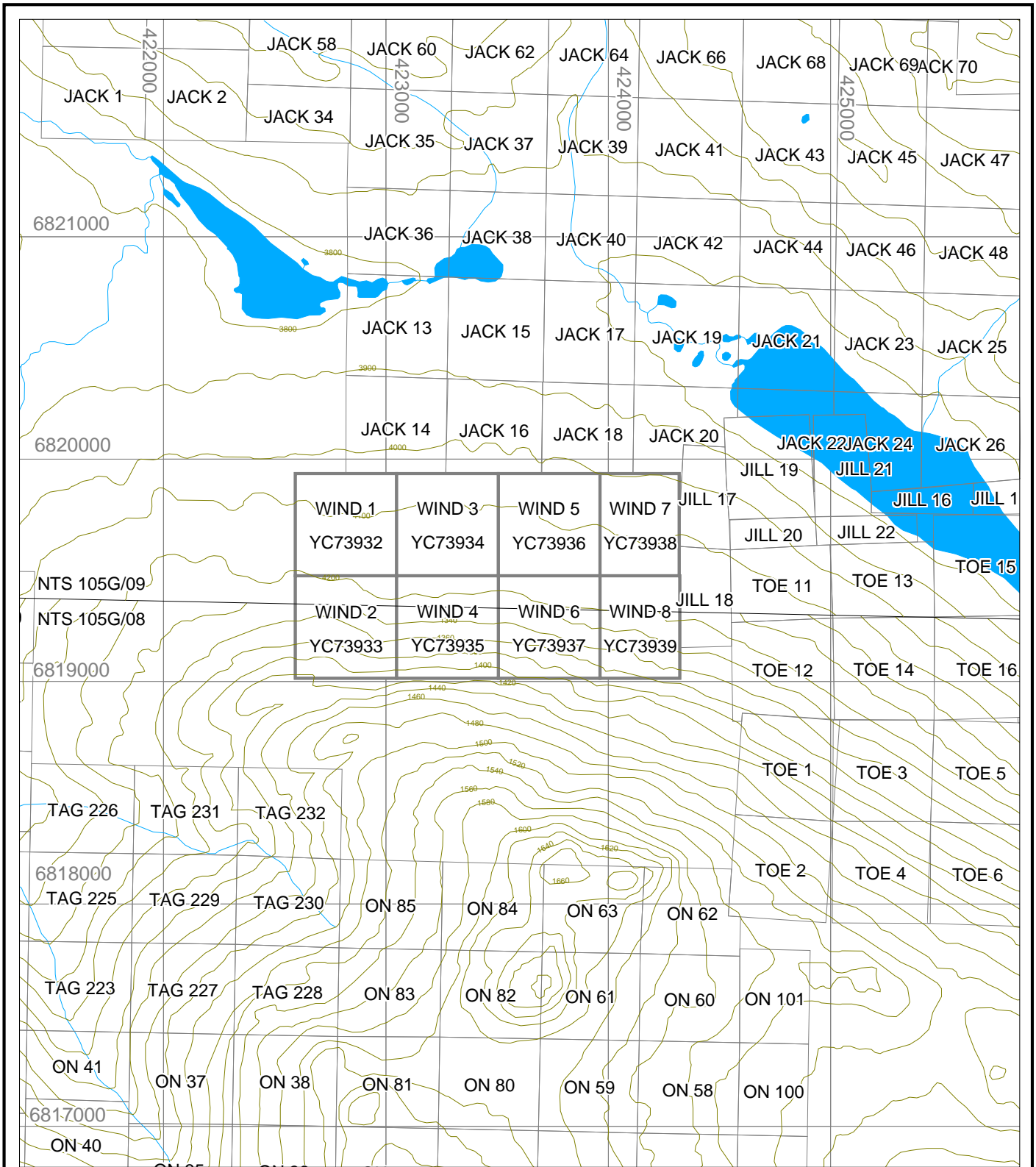
WIND PROPERTY



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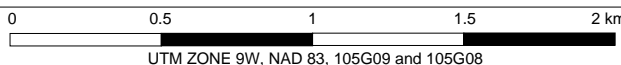
NOVEMBER 2009





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FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATIONS**  
**WIND PROPERTY**



Topography is moderate to steep, with elevations ranging from 1200 to 1400 m above sea level. Vegetation comprises thick stands of spruce and patches of arctic black birch. Permafrost is well developed over the entire property. No outcrop has been observed on the property; however, extensive talus fields and a few outcrops occur near a ridge crest immediately south of the property.

### **REGIONAL GEOLOGY**

The Finlayson Lake VMS district is located in southeastern Yukon, within an isolated outlier of Yukon-Tanana and Slide Mountain terranes and affiliated overlap assemblages. The district is bounded by the Tintina fault in the southwest and the Inconnu thrust fault in the northeast. Five major VMS deposits have been discovered in this package of rocks (Figure 3). The Fyre Lake, Kudze Kayah, GP4F, and Wolverine deposits all occur within the Yukon-Tanana terrane, while the Ice deposit is hosted in the Slide Mountain terrane.

The Yukon-Tanana and Slide Mountain terranes represent continental arc and back-arc basin sequences that developed along the ancient Pacific margin of North America during late Devonian and through Permian (Piercey *et al.*, 2006). The pericratonic rocks of the Yukon-Tanana terrane and oceanic rocks of the Slide Mountain terrane are juxtaposed against rocks of the North American continental margin sequence along the post-Late Triassic Inconnu thrust fault (Murphy *et al.*, 2006). Rocks of the Yukon-Tanana and Slide Mountain terranes in the Finlayson Lake district are characterized by variably deformed and metamorphosed, lower greenschist to amphibolite facies metasedimentary and metavolcanic rocks and affiliated metaplutonic suites.

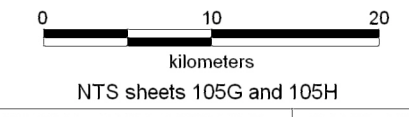
The following descriptions of the Yukon-Tanana and Slide Mountain terranes are largely summarized from Murphy *et al.* (2006).

Rocks of the Yukon-Tanana terrane in the Finlayson Lake district lie between the Tintina fault and the Jules Creek fault. The Yukon-Tanana terrane is subdivided into a number of fault- and unconformity- bounded groups and formations. From the structurally deepest levels of the district outwards, these include: (1) the North River formation, the Grass Lakes and Wolverine Lake groups, and affiliated metaplutonic rocks in the Big Campbell thrust sheet; (2) the North River, Waters Creek and Tuchtua River formations and affiliated intrusions in the Money Creek thrust sheet; (3) the Cleaver Lake formation and intrusions of the Cleaver Lake thrust sheet (Figure 3). Regional shortening, uplift, erosion, and synorogenic clastic sedimentation took place during Early Permian. The Lower Permian Money Creek formation was deposited unconformably atop folded Mississippian and Pennsylvanian rocks and was subsequently folded and overthrust by the Cleaver Lake and Money Creek thrust faults. The movement of the Money Creek thrust fault is constrained to Early Permian because both the hanging wall and footwall of the thrust fault are unconformably overlain by the Lower Permian rocks of the Campbell Range formation of Slide Mountain terrane.

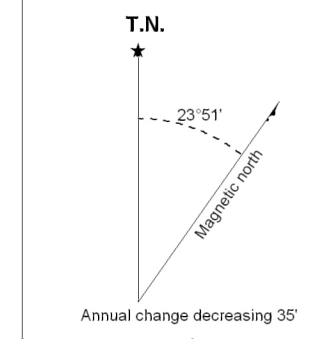
The quartzose metaclastic rocks and metapelites of the North River formation are the oldest exposed rock units in the Big Campbell thrust sheet. The North River formation is overlain by the chloritic schist and lesser carbonaceous phyllite of the Fire Lake formation of the Grass

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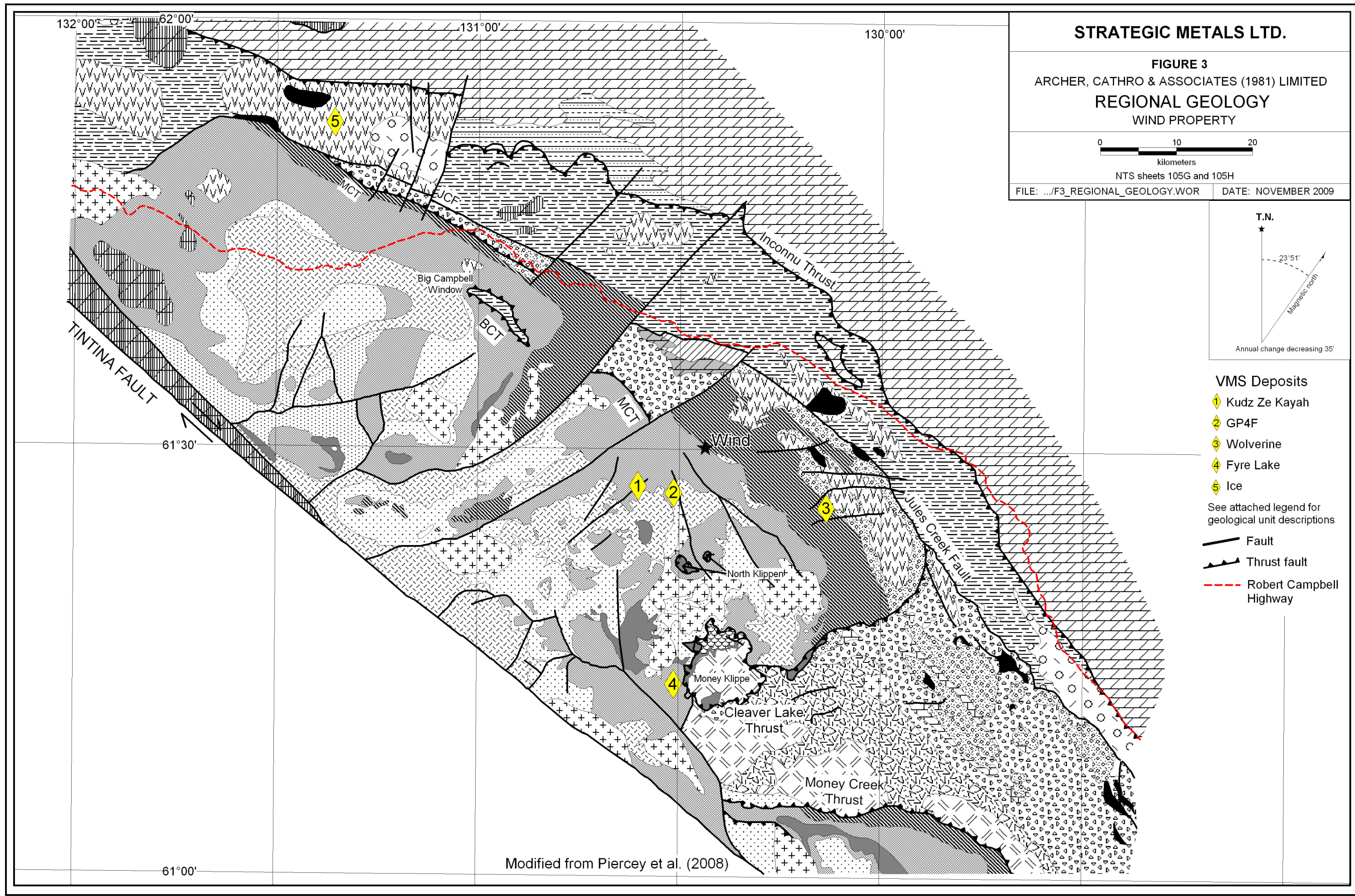
**FIGURE 3**  
**ARCHER, CATHRO & ASSOCIATES (1981) LIMITED**  
**REGIONAL GEOLOGY**  
**WIND PROPERTY**



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



- VMS Deposits**
- 1 Kudz Ze Kayah
  - 2 GP4F
  - 3 Wolverine
  - 4 Fyre Lake
  - 5 Ice
- See attached legend for geological unit descriptions
- Fault
  - Thrust fault
  - - - Robert Campbell Highway



**LEGEND** (Figure 3, modified from Piercey et al., 2008)

Mesozoic and Cenozoic


-  undifferentiated intrusions
-  undifferentiated volcanic rocks

**NORTH AMERICAN CONTINENTAL MARGIN**

Paleozoic


-  undifferentiated formations of Selwyn Basin, Cassier Platform, Earn Group and Mt. Christie Formation

Triassic

-  grey shale, siltstone and limestone

**POST - YYT/SMT AMALGAMATION**


Permian to Triassic

- Simpson Lake group
-  polymictitic conglomerate, sandstone, siltstone, mafic and felsic volcanic rocks, limestone

**SLIDE MOUNTAIN TERRANE**

INTRUSIVE ROCKS



Early Permian

-  ultramafic and mafic intrusions


**SLIDE MOUNTAIN TERRANE (SMT)**

LAYERED ROCKS


Lower Permian

-  quartzite
-  limestone

Lower Permian

- Campbell Range formation
-  basalt and varicoloured chert


Carboniferous?

- Fortin Creek group
-  dark phyllite and chert, varicoloured chert, chert-pebble conglomerate, sandstone, limestone



**YUKON-TANANA TERRANE**

INTRUSIVE ROCKS

Early Mississippian

- Simpson Range plutonic suite
-  granite, quartz monzonite, granodiorite


Late Devonian to Early Mississippian

- Grass Lakes plutonic suite
-  granite, quartz monzonite augen granite
-  ultramafic and mafic intrusions, Big Campbell and Cleaver Lake thrust sheets


**YUKON-TANANA TERRANE (YTT)**

LAYERED ROCKS


Lower Permian

- Money Creek formation
-  dark phyllite and sandstone, chert, chert-pebble conglomerate, diamictite


Upper Mississippian to Lower Permian

- Whitefish limestone
-  massive bioclastic limestone


Lower Mississippian

- Tuchitua formation
-  intermediate, felsic and mafic volcanic rocks, sandstone, chert, limestone


Wolverine Lake group

-  undifferentiated mafic and felsic volcanic rocks and dark clastic rocks


Upper Devonian to Lower Mississippian

- Cleaver Lake formation
-  calc-alkaline basalt, rhyolite, chert and volcanic derived sandstone


Waters Creek formation

-  felsic to intermediate metavolcanic rocks and carbonaceous phyllite

Grass Lakes group

-  felsic to intermediate metavolcanic rocks and dark clastic rocks of the Fire Lake, Kudze Kayah, and Wind Lake formations

North River formation

-  quartzose metaclastic rocks, marble and non-carbonaceous pelitic schist

Lakes group. This formation is the host of the Besshi-style Fyre Lake VMS deposit (Hunt, 2002). The deposit is Late Devonian in age and is associated with chloritic phyllite and greenstone of boninitic composition (Piercey *et al.*, 2004). Mafic and variably serpentinized ultramafic rocks are present as sills and dikes in the Fire Lake and North River formations, respectively. Stratigraphically overlying the Fire Lake formation is a carbonaceous phyllite-dominated succession which has been divided into two parts. The lower part, the Kudz Ze Kayah formation, contains felsic metavolcanic rocks that host the Kuroko-style Kudz Ze Kayah and GP4F VMS deposits, while the upper part, the Wind Lake formation, contains mafic metavolcanic rocks and quartzite (Murphy, 1998). The Grass Lakes group is intruded by the Late Devonian to Early Mississippian Grass Lakes plutonic suite and the Early Mississippian Simpson Range plutonic suite.

The Wolverine Lake group unconformably overlies the Grass Lakes group and is the host of the Kuroko-style Wolverine VMS deposit. This deposit occurs in a thick sequence of Carboniferous rhyolitic metavolcanic rocks and carbonaceous argillite (Tucker *et al.*, 1997). Together, the Grass Lakes and Wolverine groups have been interpreted to represent a continental back-arc rift to back-arc basin assemblage.

During Early Permian, the Yukon-Tanana terrane experienced regional shortening and uplift. The deformation and erosion of the Mississippian and Pennsylvanian rocks were followed by unconformable deposition of the Money Creek formation. The Money Creek formation comprises carbonaceous phyllite and sandstone, varicoloured chert, chert-pebble conglomerate, and diamictite. This formation was emplaced atop units of the Wolverine Lake group in the Big Campbell thrust sheet and the Tuchtua River formation, Whitefish limestone, White Lake formation, King Arctic formation and Finlayson Creek limestone in the Money Creek thrust sheet by the Cleaver Lake and Money Creek thrust faults. The Money Creek formation is preserved in the Big Campbell and Money Creek klippen.

The imbricated rocks of the Yukon-Tanana terrane are juxtaposed against rocks of the Slide Mountain terrane along the Jules Creek fault. The Slide Mountain terrane of the Finlayson Lake district consists of the Mississippian to Lower Permian Fortin Creek group, the Lower Permian Campbell Range formation and spatially associated plutonic rocks, and Lower Permian limestone and quartzite. The Ice VMS deposit is hosted in basalt of the Campbell Range formation (Hunt, 2002).

Middle Permian and younger sequences in the Finlayson Lake district are derived from, or deposited on both the Yukon-Tanana and Slide Mountain terranes. The Middle Permian to Triassic Simpson Lake group is composed of clastic rocks derived from both terranes and Middle Permian felsic and mafic metavolcanic rocks (Mortensen *et al.*, 1999). Slide Mountain terrane, Yukon-Tanana terrane and overlapping rocks are juxtaposed against Triassic shale and siltstone and older rocks of the North American continental margin sequence along the Inconnu thrust fault.

During the Mesozoic era two types of intrusion were emplaced in the Finlayson area. The first is includes several unmetamorphosed Early Jurassic mafic and intermediate composition plutons.

The second consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

### **PROPERTY GEOLOGY**

Geological mapping on the Wind property was hindered by a lack of bedrock exposure. Maps were produced by mapping rare talus, rock chips collected from soil sample pits and outcrops along the ridge to the south of the property. The following unit descriptions are based on 2009 field observations and a previous report (Terry *et. al.*, 1996), (Figure 4).

The property is underlain by dark grey pelitic phyllite/schist, which is believed to represent a time of quiescence within the Kudz Ze Kayah formation. A quartzite unit outcrops south of the phyllite/schist and structurally underlies it. The contact between the two units is assumed to be gradational because float of the phyllite/schist unit is more siliceous near the projected contact. A rhyolite tuff unit which daylights approximately 800 m to the south-southeast underlies the quartzite. Both the quartzite and rhyolite tuff project onto the property at depth.

The youngest unit on the property comprises narrow mafic sills, that are clustered near the contact between the quartzite and the phyllite/schist. The mafic sills are non-foliated and therefore were likely emplaced after the last major phase of deformation.

Individual units and structure are described in the following paragraphs.

#### **Regionally Metamorphosed Units**

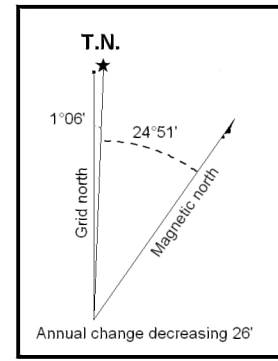
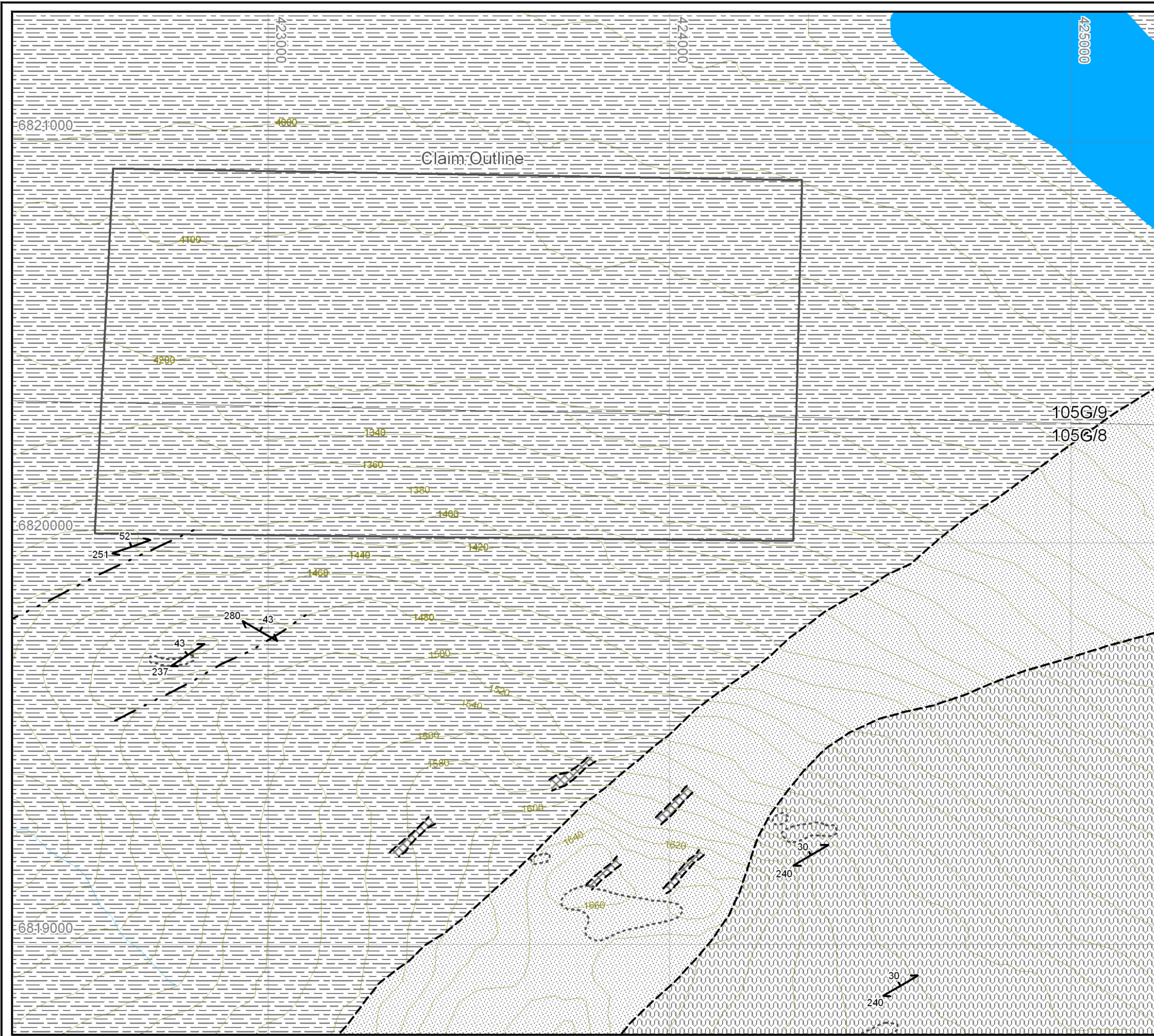
**Phyllite/schist** is a dark grey, fine grained unit with minor muscovite on fractures. A friable light to medium green/grey muscovite-quartz  $\pm$  chlorite schist has been observed as a thin layer within the unit, approximately 1 km north of the contact between the phyllite/schist and quartzite.

**Quartzite** is white to tan on both fresh and weathered surfaces. This unit occasionally contains 10 cm wide bands that host up to 10% muscovite. The rocks are rarely light green in colour, likely due to minor chlorite. Near the contact with the phyllite/schist, there are occasional bands of a medium grey, medium to coarse grained biotite-quartz schist within the quartzite.









**Rhyolite Tuff** is represented by of quartz-sericite and quartz-biotite schists interpreted to be metamorphosed felsic tuffaceous to epiclastic rocks.

#### **Post-Deformation Units**

**Mafic sill** is dark green when fresh and weathers to medium brown. It is fine grained and contains abundant chlorite with approximately 20% magnetite.



**LEGEND**

-  Mafic sill
-  Rhyolite tuff
-  Quartzite
-  Phyllite/schist
-  Assumed geologic contact
-  Approximate fault trace
-  Outcrop
-  Strike and dip of foliation

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



UTM Zone 9, NAD83, NTS sheets 105G/8 and 105G/9

## **Structure**

Foliation is moderately to well developed in the phyllite/schist and rhyolite tuff, but is poorly developed in the quartzite. Compositional layering is approximately parallel to foliation. The units generally strike northeasterly and dip gently to the northwest between 30° and 50°.

## **DEPOSIT MODEL**

Based on the lithologies mapped in the area, the Wind property has potential to host a Kuroko-style VMS deposit, similar to the Kudz Ze Kayah deposit located 10 km to the southwest. The Kudz Ze Kayah deposit comprises an inferred resource of 12,800,000 tonnes grading 5.9% zinc, 1.7% lead, 0.81% copper, and 1.38 g/t gold (Teck Cominco Ltd., 2009). The following description of the Kudz Ze Kayah deposit provides a model for exploring and assessing the Wind property.

The Kudz Ze Kayah deposit lies within the Yukon-Tanana terrane near the center of the Finlayson Lake VMS district. The main zone (previously known as the ABM deposit) is hosted within an overturned assemblage of felsic fragmental, aphanitic massive meta-rhyolite and meta-siliclastic rocks of the Kudz Ze Kayah formation (Bond, 2002).

The host metavolcanic sequence has been structurally thickened to about 1000 m and is subdivided up into the following units: felsic tuffs, felsic flows, feldspar and quartz meta-intrusive rocks, feldspar augen crystal tuff, and undifferentiated mafic metavolcanic rocks.

Felsic tuffs are the most abundant unit. They are often thinly bedded near the top of the structural sequence and at stratigraphic levels where argillaceous, sediments occur as intercalations. Thin mafic tuffs are locally present in this unit as strongly foliated porphyroblastic chlorite-biotite-calcite unit and as coarse grained mafic schist with gabbroic texture. (Schultze and Hall, 1997).

The deposit subcrops beneath 2 to 20 m of glacial overburden and extends for 700 m along an east-west strike and up to 400 m down dip (Schultze and Hall, 1997). The deposit is tabular and forms a single layer over much of its extent; however, two layers of sulphides have been encountered in some areas within the southwest part of the deposit (Schultze and Hall, 1997). Economic minerals are sphalerite, chalcopyrite, and galena with electrum occurring at the margins of galena and chalcopyrite grains (Hunt, 2002). Gangue minerals include a mixture of magnetite, barite, pyrrhotite, pyrite and carbonate. Alteration in the immediate hanging wall and footwall of the deposit is typically porphyroblastic, chlorite/biotite-ankerite-muscovite ± albite, while the distal alteration assemblage is characterized by carbonate-sericite-silica ± pyrite (Hunt, 2002).

The hanging wall of the host metavolcanic complex is a metasedimentary package that lies about 200 m above the deposit. Its composition varies between carbonaceous and calcareous mudstones, with minor quartzites, siltstones, limestones and intercalations of mafic and felsic volcanics. This sequence is thick and regionally extensive. A second metasedimentary package underlies the metavolcanic complex. It is coarser grained than the hanging wall package and is

largely composed of siltstones, phyllitic schists, light grey quartzites and more massive tuffaceous wackes interfingered with feldspar porphyry bodies. Locally, non-carbonaceous to carbonaceous mudstones, thin felsic tuffs, mafic sills and dykes (flows?) and banded cherty horizons are found in the footwall metasedimentary sequence. The thickness and extent of these units are unknown (Schultze and Hall, 1997).

The Kudz Ze Kayah deposit and its host rocks display a sub-horizontal to moderately north-dipping penetrative schistosity and exhibit isoclinal, recumbent folding with bedding generally parallel to schistosity (Schultze, 1996). The zonation of base and precious metals and barium within the deposit, the proximal location of chloritic alteration above portions of the deposit, and the lithochemical signatures of the deposit and the overlying units led Schultze (1996) to suggest that the deposit is, at least in part, overturned.

Based on the geological and geochemical characteristics of the Kudz Ze Kayah formation, Piercey *et al.* (2001) proposed that it was deposited within a back-arc basin environment. Mortensen (1992) suggested that Devonian-Mississippian Yukon-Tanana terrane arc magmas formed above a west-facing subduction zone proximal to North America and that the felsic rocks in the Kudz Ze Kayah formation represent rifting and subsequent ensialic back-arc basin generation within this arc. The arc rifting and the syn-volcanic faults associated with it are likely the regional-scale controls on the localization and formation of the Kudz Ze Kayah deposit (Murphy and Piercey, 2000).

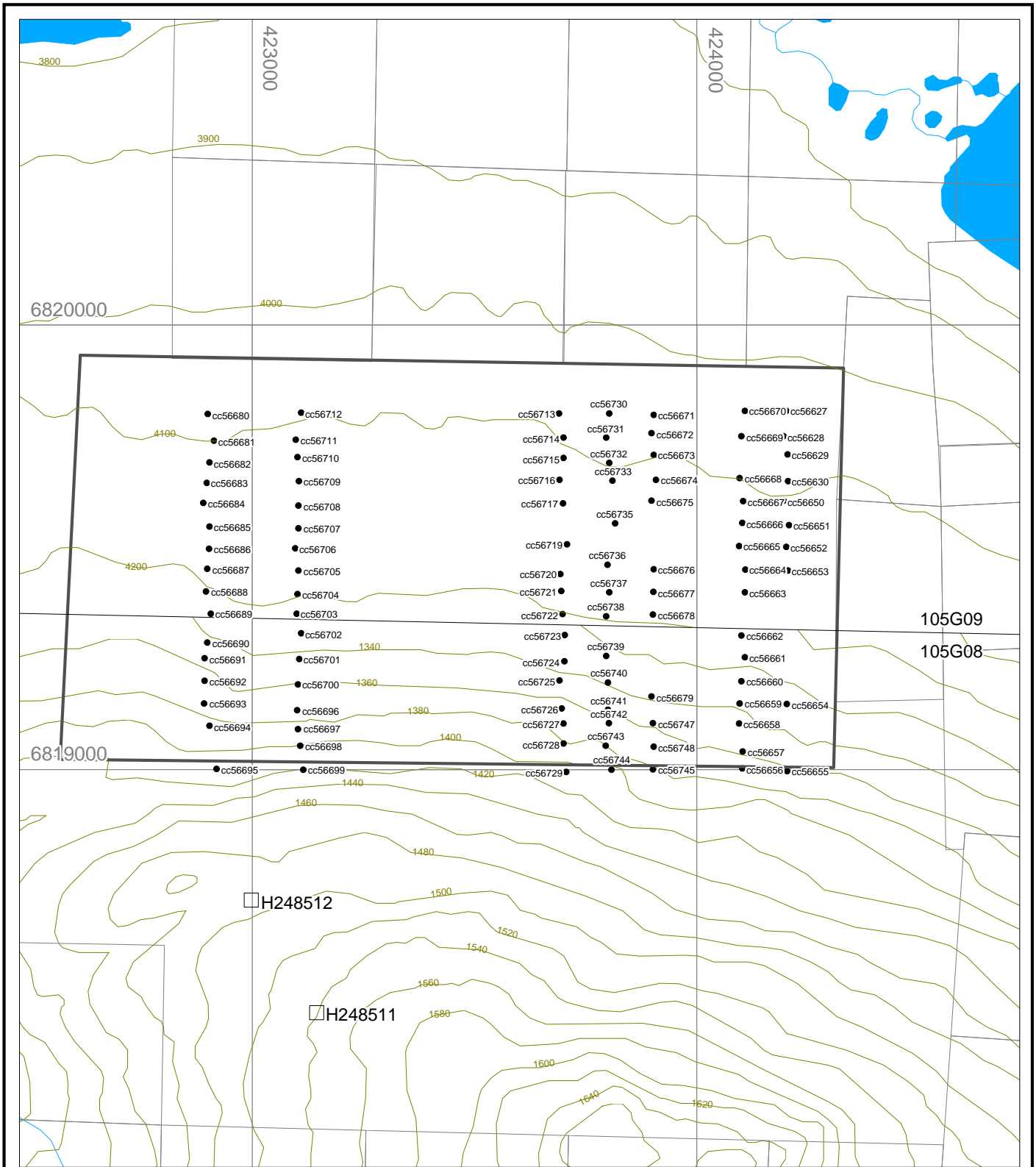
## **GEOCHEMISTRY**

### **Soil Sampling**

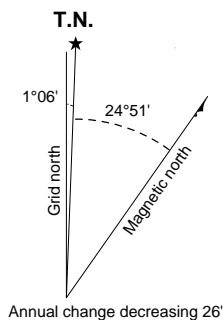
The area covered by the Wind claims was grid soil sampled in 1995 by Cominco (Vanderkley, 1995). This sampling defined a copper-zinc anomaly on the east side of the current claim block that trends approximately east-west and covers a 400 by 600 m area. The anomalous copper and zinc values range from 100 to 217 ppm and 150 to 333 ppm, respectively. Grid sampling was also completed adjacent to the claims by Westmin in 1995 (Bradshaw *et al.*, 1996) and (Terry *et al.*, 1995).

In 2009, a total of 102 soil samples were taken to augment historical geochemical data. This produced property-wide coverage with sample sites at 50 m intervals on lines spaced approximately 100 to 200 m apart. Sample handling and analytical procedures used during the soil sampling programs can be found in Appendix II while Certificates of Analysis for 2009 samples are in Appendix III. Sample locations for the 2009 samples are shown on Figure 5.

Results from soil sampling completed in 2009 have been compiled with historical data. Figures 6, 7, 8, 9 and 10 thematically illustrate the copper, lead, zinc, silver and gold values. The 2009 results confirmed historic anomalies and also identified a silver anomaly that ranges from 1.0 to 5.2 ppm silver. This anomaly trends southeasterly and covers a 100 by 500 m area. A total of 19 samples in the vicinity of the silver anomaly were re-analyzed for gold in fall 2009. They returned background to weakly anomalous values ranging from 0.002 to 0.025 ppb gold. The anomalous gold results approximately coincide with elevated silver values.

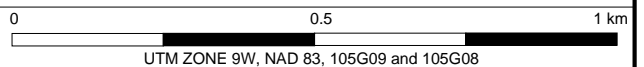


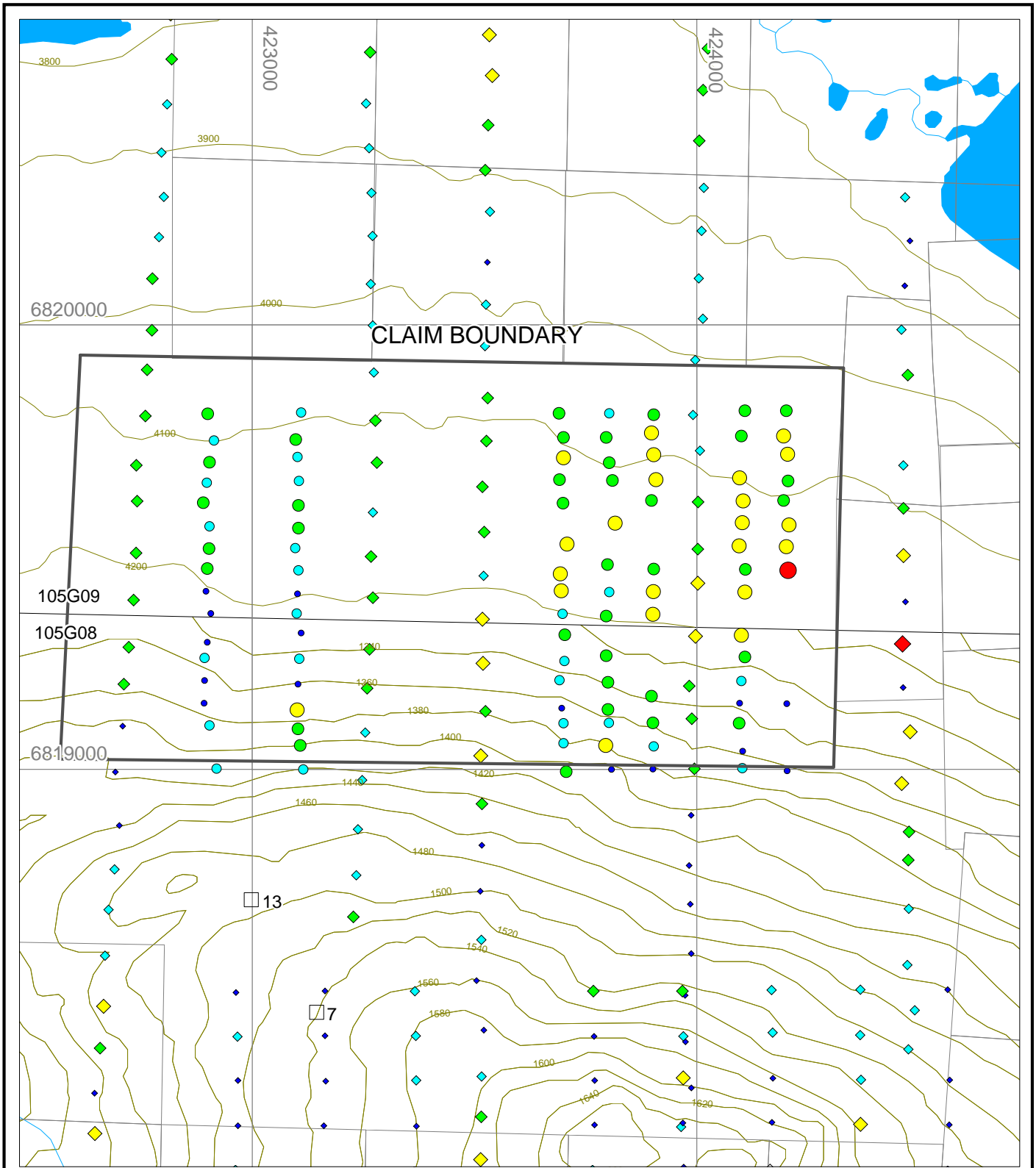
- cc56712 Soil sample location
- H248512 Rock sample location



# STRATEGIC METALS LTD.

FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**2009 SAMPLE LOCATIONS**  
 WIND PROPERTY





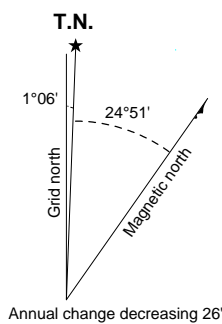
Copper in Soil (ppm)  
Historic Samples

- ◆  $\geq 200 < 481$
- ◆  $\geq 100 < 200$
- ◆  $\geq 50 < 100$
- ◆  $\geq 20 < 50$
- ◆  $\geq 0 < 20$

□ 13 Rock sample (ppm Cu)

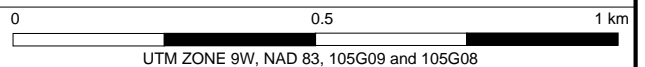
Copper in Soil (ppm)  
2009 Samples

- $\geq 200 < 481$
- $\geq 100 < 200$
- $\geq 50 < 100$
- $\geq 20 < 50$
- $\geq 0 < 20$



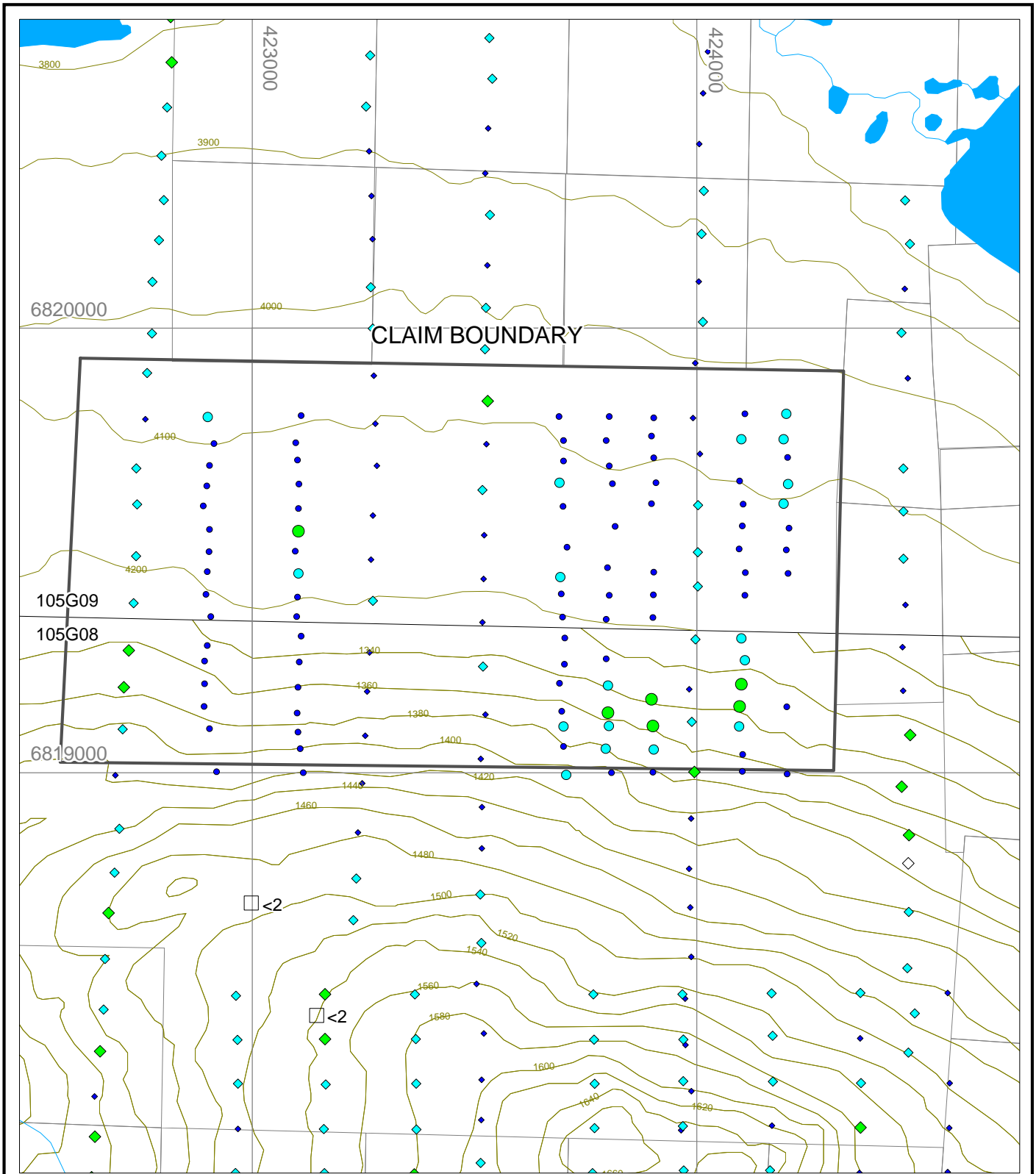
# STRATEGIC METALS LTD.

FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
WIND PROPERTY



FILE: ...2008/WIND/I.WOR

DATE: NOVEMBER 2009



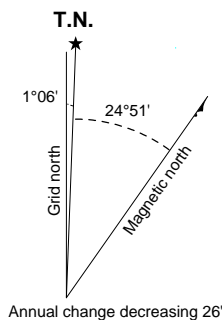
Lead in Soil (ppm)  
Historic Samples

- ◆ ≥100 < 400
- ◆ ≥50 < 100
- ◆ ≥20 < 50
- ◆ ≥10 < 20
- ◆ ≥0 < 10

□ <0.2 Rock sample (ppm Pb)

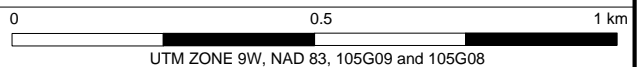
Lead in Soil (ppm)  
2009 Samples

- ≥100 < 400
- ≥50 < 100
- ≥20 < 50
- ≥10 < 20
- ≥0 < 10



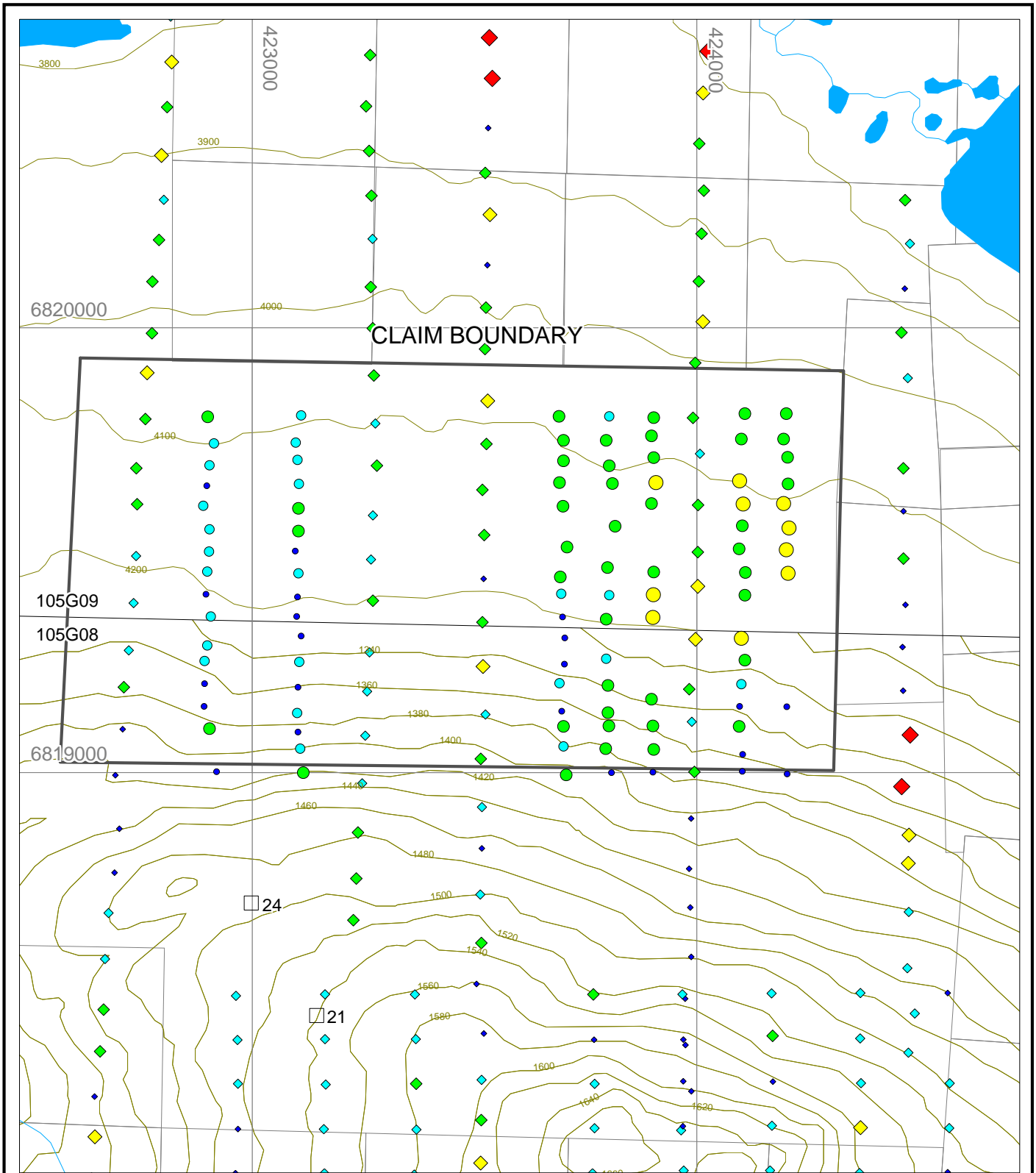
# STRATEGIC METALS LTD.

FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
WIND PROPERTY



FILE: ...2008/WIND/I.WOR

DATE: NOVEMBER 2009



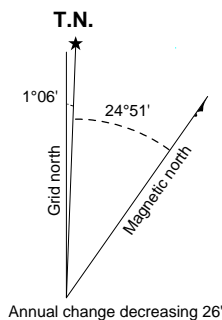
Zinc in Soil (ppm)  
Historic Samples

- ◆  $\geq 500 < 2,660$
- ◆  $\geq 200 < 500$
- ◆  $\geq 100 < 200$
- ◆  $\geq 50 < 100$
- ◆  $\geq 0 < 50$

□ H248512 Rock sample (ppm Zn)

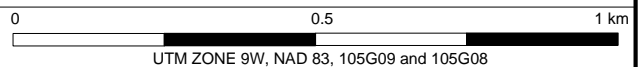
Zinc in Soil (ppm)  
2009 Samples

- $\geq 500 < 2,000$
- $\geq 200 < 500$
- $\geq 100 < 200$
- $\geq 50 < 100$
- $\geq 0 < 50$



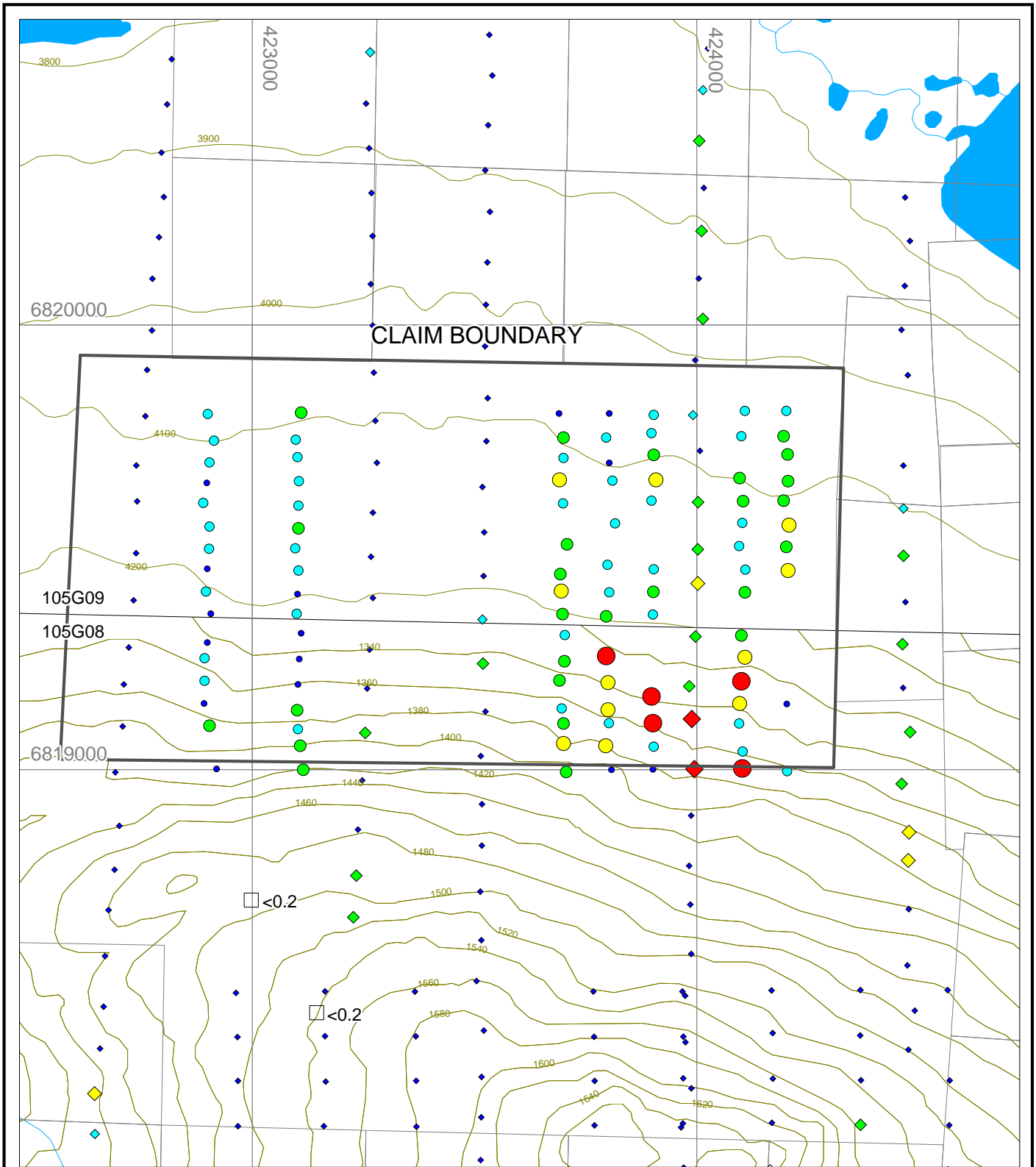
# STRATEGIC METALS LTD.

FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY**  
WIND PROPERTY

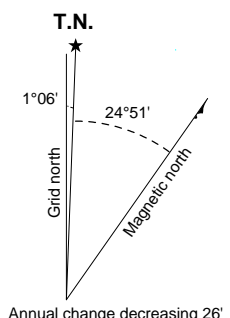


FILE: ...2008/WIND/I.WOR

DATE: NOVEMBER 2009

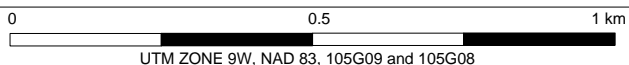


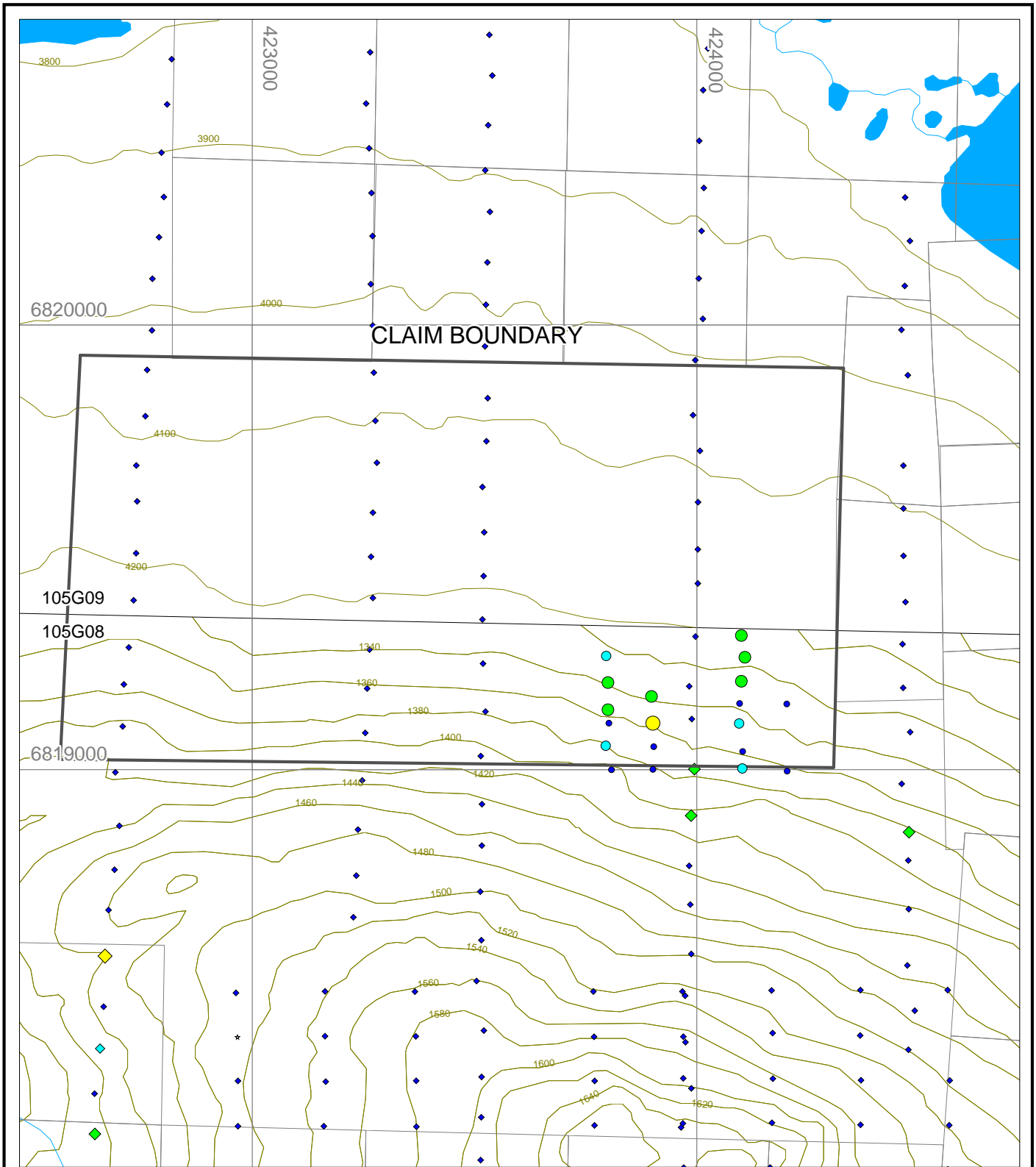
Silver in Soil (ppm) Historic sample	Silver in Soil (ppm) 2009 samples
◆ $\geq 2 < 3.2$	● $\geq 2 < 5.2$
◆ $\geq 1 < 2$	● $\geq 1 < 2$
◆ $\geq 0.5 < 1$	● $\geq 0.5 < 1$
◆ $\geq 0.2 < 0.5$	● $\geq 0.2 < 0.5$
◆ $\geq 0 < 0.2$	● $\geq 0 < 0.2$
□ H248512 Rock sample (ppm Ag)	



**STRATEGIC METALS LTD.**

FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SILVER GEOCHEMISTRY**  
 WIND PROPERTY



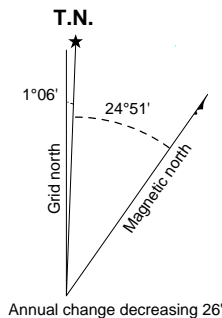


Gold (ppb)  
Historic samples

- ◆  $\geq 0.02 < 0.05$
- ◆  $\geq 0.01 < 0.02$
- ◆  $\geq 0.005 < 0.01$
- ◆  $\geq 0 < 0.005$

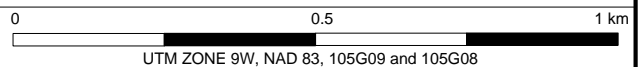
Gold (ppb)  
2009 samples

- $\geq 0.02 < 0.025$
- $\geq 0.01 < 0.02$
- $\geq 0.005 < 0.01$
- $\geq 0 < 0.005$



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FIGURE 10  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD GEOCHEMISTRY**  
WIND PROPERTY



FILE: ...2008/WIND/I.WOR

DATE: NOVEMBER 2009

### **Rock Sampling**

Two rock samples were taken on prospecting and mapping traverses in 2009 (Figure 5). Sample handling and analytical procedures can be found in Appendix II, Certificates of Analysis are in Appendix III and Rock Sample Descriptions are in Appendix IV. Neither of these samples returned anomalous geochemical values for VMS pathfinder elements.

### **DISCUSSION AND CONCLUSIONS**

The 2009 field program focused on a historical copper and zinc anomaly on the east side of the Wind property. Soil sampling confirmed the presence of the anomaly but failed to extend it along strike. The sampling also discovered a silver anomaly with weak gold support, south of the historic copper anomaly.

Given the favourable geological setting and relative proximity to a major deposit the Wind property deserves additional work. Pervasive permafrost in the area of the anomalies will pose a significant problem to hand trenching and likely render such efforts futile. Therefore, future exploration should include diamond drilling to collect lithological and geochemical data from bedrock, which is needed to better assess the Wind property's potential to host a VMS deposit.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Dan Gregory, B.Sc. Geology, GIT

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

## **STATEMENT OF QUALIFICATIONS**

I, Daniel Gregory, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Richmond, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2007 with a B.Sc. (Hons.) in Geology.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory.
3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 153805).
4. I have personally participated in the fieldwork reported herein.

Daniel Gregory, B.Sc., GIT

**APPENDIX II**  
**SAMPLE HANDLING AND ANALYTICAL PROCEDURES**

## **ASSAY METHODS FOR GEOCHEMICAL SAMPLING**

In 1995 Cominco conducted soil sampling in the vicinity of the current Wind claim block. The samples were taken from B or C horizon soil at 100 m intervals on lines spaced approximately 100 m apart. The samples were sent to Cominco's exploration laboratory in Vancouver, B.C., where they were dried, sieved to -80 mesh and dissolved in an aqua regia. These were then analyzed for 27 elements using the induced coupled plasma (ICP) technique, for gold using atomic absorption and for Ba using loose packed pellet X-ray fluorescence (XRF).

All 2009 soil samples were located by means of compass and hip-chain surveys with frequent checks using handheld GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m thick wooden laths that were driven into the ground. Soil samples were collected from 40 to 60 cm deep holes dug by hand auger. They were placed into individually pre-numbered Kraft paper bags.

The 2009 samples were sent to ALS Chemex in North Vancouver, B.C. where they were dried, screened to -180 microns, dissolved in an aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41). Nineteen samples were re-analyzed for gold using the atomic absorption technique (AA).

A total of 2 rock samples were taken in 2009. They were sent to ALS Chemex in North Vancouver, B.C. where they were dried and fine crushed to better than 70% passing 2 mm. A 250 g split was then pulverized to better than 85% passing 75 micron. A portion of this material was digested in aqua regia and analysed for 35 elements by inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41).

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



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C/O ARCHER, CATHRO & ASSOCIATES (1981)  
LIMITED

1016-510 W HASTINGS ST  
VANCOUVER BC V6B 1L8

Page: 1

Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE VA09064970

Project: Wind (Fin)

P.O. No.:

This report is for 102 Soil samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2009.

The following have access to data associated with this certificate:

AL ARCHER  
VANCOUVER OFFICE

DOUG EATON  
BILL WENGZYNOWSKI

JOAN MARIACHER

## SAMPLE PREPARATION

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

## ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Wind (Fin)

Page: 2 - A

Total #. ages: 4 (A - C)  
Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

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
CC56627		0.16	0.4	0.96	23	<10	180	<0.5	<2	1.89	0.9	13	41	92	2.01	<10
CC56628		0.18	0.5	1.44	18	<10	190	<0.5	<2	1.73	0.9	21	63	140	3.56	<10
CC56629		0.14	0.7	0.38	3	<10	130	<0.5	<2	4.05	1.6	4	11	123	0.65	<10
CC56630		0.20	0.6	0.91	14	<10	130	<0.5	<2	0.81	0.5	12	37	80	2.22	<10
CC56650		0.32	0.5	1.19	23	<10	80	<0.5	<2	0.64	0.7	21	65	78	3.54	<10
CC56651		0.12	1.4	1.13	14	<10	160	<0.5	<2	2.53	2.7	16	41	156	2.26	<10
CC56652		0.14	0.6	1.35	24	<10	130	<0.5	<2	1.92	1.5	18	58	154	2.80	<10
CC56653		0.14	1.0	0.92	46	<10	250	<0.5	<2	2.05	5.4	24	36	217	2.99	<10
CC56654		0.20	<0.2	0.24	2	<10	80	<0.5	<2	0.18	0.5	3	6	16	0.36	<10
CC56655		0.28	0.4	0.47	3	<10	80	<0.5	<2	0.20	<0.5	2	17	18	0.72	<10
CC56656		0.14	2.3	0.63	5	<10	150	<0.5	<2	0.15	0.6	3	18	36	1.02	<10
CC56657		0.24	0.4	0.31	3	<10	40	<0.5	<2	0.05	<0.5	2	18	7	0.60	<10
CC56658		0.40	0.4	1.13	25	<10	110	<0.5	<2	0.35	0.8	13	61	92	3.42	<10
CC56659		0.16	1.1	0.36	6	<10	40	<0.5	<2	0.03	<0.5	2	13	10	0.72	<10
CC56660		0.14	5.2	0.73	4	<10	150	<0.5	<2	0.14	0.8	3	25	44	1.04	<10
CC56661		0.18	1.4	0.95	9	<10	260	<0.5	<2	0.39	1.6	9	31	74	2.08	<10
CC56662		0.18	0.8	1.25	11	<10	390	0.6	<2	0.91	2.9	16	32	169	2.64	<10
CC56663		0.10	0.7	0.77	2	<10	460	0.5	2	2.27	14.8	11	7	182	0.93	<10
CC56664		0.14	0.3	0.38	3	<10	240	<0.5	<2	2.04	3.5	4	4	83	0.68	<10
CC56665		0.16	0.3	1.09	23	<10	200	<0.5	<2	0.96	2.5	24	53	128	3.38	<10
CC56666		0.18	0.3	0.43	3	<10	110	<0.5	<2	3.09	3.7	5	8	128	0.56	<10
CC56667		0.16	0.7	1.25	23	<10	110	<0.5	<2	1.80	2.0	22	65	143	3.20	<10
CC56668		0.22	0.6	1.26	27	<10	120	<0.5	<2	1.30	1.7	24	87	106	3.75	<10
CC56669		0.26	0.4	1.57	17	<10	150	<0.5	<2	0.90	0.7	21	101	83	3.32	<10
CC56670		0.22	0.4	1.41	15	<10	210	<0.5	<2	1.30	1.1	17	78	99	2.70	<10
CC56671		0.16	0.3	2.13	16	<10	3390	<0.5	<2	0.73	0.8	21	134	82	3.30	10
CC56672		0.18	0.3	2.64	20	<10	2910	<0.5	<2	0.60	1.0	23	187	103	4.40	10
CC56673		0.16	0.7	2.01	17	<10	2770	<0.5	<2	0.90	2.3	20	124	106	3.43	<10
CC56674		0.16	1.1	1.57	30	<10	1020	0.5	<2	1.74	3.4	38	73	148	4.03	<10
CC56675		0.22	0.3	1.39	17	<10	890	<0.5	<2	0.85	0.6	20	82	74	3.10	<10
CC56676		0.18	0.4	0.82	8	<10	320	<0.5	<2	0.82	2.1	9	24	96	1.99	<10
CC56677		0.26	0.9	0.93	23	<10	200	<0.5	<2	0.82	3.0	25	31	149	4.22	<10
CC56678		0.44	0.2	1.38	33	<10	100	<0.5	<2	0.56	2.3	26	46	152	6.61	<10
CC56679		0.22	4.4	1.80	13	<10	350	0.6	<2	0.29	0.8	10	50	63	2.83	<10
CC56680		0.26	0.3	1.23	35	<10	110	<0.5	<2	0.75	0.7	20	58	66	3.78	<10
CC56681		0.18	0.3	0.95	19	<10	130	<0.5	<2	1.59	<0.5	14	34	37	2.49	<10
CC56682		0.16	0.2	1.00	18	<10	130	<0.5	<2	2.98	<0.5	15	36	77	2.38	<10
CC56683		0.16	<0.2	0.70	10	<10	180	<0.5	<2	3.35	<0.5	8	21	34	1.30	<10
CC56684		0.22	0.4	1.48	20	<10	240	<0.5	<2	3.10	<0.5	20	94	99	3.10	<10
CC56685		0.20	0.2	0.97	9	<10	160	<0.5	<2	1.93	<0.5	8	34	38	1.79	<10



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Total #. ages: 4 (A - C)  
Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
Method Analyte Units LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC56627	1	0.04	10	0.43	637	<1	0.02	66	1040	10	0.11	<2	2	59	<20
CC56628	1	0.04	10	0.74	1380	1	0.02	96	990	11	0.10	2	3	51	<20
CC56629	<1	0.03	<10	0.24	893	<1	0.02	70	1320	2	0.25	<2	<1	114	<20
CC56630	1	0.03	10	0.35	288	1	0.02	57	1100	10	0.08	2	2	34	<20
CC56650	<1	0.04	20	0.77	501	2	0.01	75	1780	19	0.02	2	4	24	<20
CC56651	<1	0.03	10	0.51	523	1	0.02	99	1060	8	0.12	<2	2	80	<20
CC56652	<1	0.02	10	0.62	741	<1	0.02	99	1250	5	0.11	<2	3	64	<20
CC56653	<1	0.02	20	0.39	828	<1	0.02	105	1790	8	0.15	<2	4	79	<20
CC56654	<1	0.02	10	0.05	155	<1	0.02	9	450	3	0.02	<2	<1	11	<20
CC56655	<1	0.05	10	0.16	48	<1	0.02	12	770	7	0.03	<2	<1	28	<20
CC56656	<1	0.05	20	0.11	50	1	0.02	25	1690	7	0.11	<2	<1	29	<20
CC56657	<1	0.02	10	0.10	33	<1	0.01	11	400	4	0.02	<2	<1	10	<20
CC56658	<1	0.05	20	0.60	336	2	0.01	73	1910	11	0.01	<2	4	32	<20
CC56659	<1	0.03	10	0.07	115	<1	0.02	6	640	46	0.01	<2	<1	19	<20
CC56660	1	0.05	30	0.17	90	1	0.01	19	1730	28	0.08	<2	<1	49	<20
CC56661	1	0.05	40	0.29	502	1	0.01	33	1800	18	0.07	<2	1	40	<20
CC56662	<1	0.03	50	0.37	815	<1	0.01	73	2100	11	0.08	<2	3	62	<20
CC56663	1	0.03	30	0.10	4850	<1	0.03	94	1800	4	0.18	<2	1	105	<20
CC56664	<1	0.03	10	0.09	163	<1	0.03	54	1120	<2	0.18	<2	1	95	<20
CC56665	1	0.03	30	0.45	537	1	0.01	106	1740	7	0.08	<2	3	43	<20
CC56666	<1	0.02	10	0.16	321	<1	0.02	59	1330	2	0.23	<2	1	97	<20
CC56667	<1	0.04	20	0.71	703	1	0.01	114	1400	6	0.11	<2	4	64	<20
CC56668	<1	0.03	10	0.78	728	1	0.01	124	1490	7	0.08	<2	4	40	<20
CC56669	<1	0.03	20	1.12	903	1	0.01	98	1470	10	0.05	<2	6	35	<20
CC56670	1	0.03	10	0.91	1200	1	0.02	85	1340	9	0.13	<2	4	55	<20
CC56671	<1	0.05	20	1.61	896	<1	0.03	101	1570	6	0.05	<2	4	39	<20
CC56672	1	0.05	20	2.51	568	1	0.02	119	1670	9	0.04	<2	7	36	<20
CC56673	<1	0.05	30	1.54	942	2	0.02	105	1940	6	0.08	<2	4	48	<20
CC56674	1	0.04	40	0.88	2590	3	0.02	114	2450	8	0.14	<2	3	73	<20
CC56675	<1	0.03	30	0.99	828	1	0.01	83	2090	4	0.03	<2	3	37	<20
CC56676	1	0.04	40	0.24	1260	2	0.01	70	1440	5	0.09	<2	2	64	<20
CC56677	<1	0.04	20	0.29	4840	5	0.01	99	2660	8	0.05	<2	3	61	<20
CC56678	<1	0.04	20	0.57	1050	6	<0.01	150	3390	6	<0.01	<2	9	35	<20
CC56679	<1	0.14	40	0.53	206	4	0.01	67	2210	22	0.10	<2	1	108	<20
CC56680	<1	0.04	20	0.77	627	2	0.01	72	1680	10	0.02	2	5	36	<20
CC56681	<1	0.03	10	0.48	789	1	0.02	47	1060	7	0.08	<2	2	53	<20
CC56682	<1	0.03	10	0.51	473	1	0.02	78	1060	4	0.17	2	2	88	<20
CC56683	<1	0.02	10	0.30	730	<1	0.03	33	1040	4	0.15	<2	1	118	<20
CC56684	<1	0.04	20	0.90	792	1	0.02	113	1220	7	0.16	<2	3	108	<20
CC56685	<1	0.07	10	0.46	422	<1	0.03	44	810	5	0.08	<2	2	70	<20



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To: STRATEGIC METALS LTD.

C/O ARCHER, CATHRO & ASSOCIATES (1981)

LIMITED

1016-510 W HASTINGS ST

VANCOUVER BC V6B 1L8

Project: Wind (Fin)

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Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
Units		%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
CC56627		0.02	<10	10	28	<10	135
CC56628		0.01	<10	10	32	<10	151
CC56629		0.01	<10	10	6	<10	167
CC56630		0.01	<10	<10	26	<10	122
CC56650		0.02	<10	<10	43	<10	284
CC56651		0.01	<10	<10	25	<10	268
CC56652		0.01	<10	<10	23	<10	253
CC56653		0.01	<10	<10	22	<10	383
CC56654		0.01	<10	<10	9	<10	20
CC56655		0.01	<10	<10	24	<10	32
CC56656		0.01	<10	<10	28	<10	39
CC56657		0.01	<10	<10	22	<10	17
CC56658		0.05	<10	<10	49	<10	173
CC56659		0.01	<10	<10	24	<10	30
CC56660		0.01	<10	<10	23	<10	98
CC56661		0.02	<10	<10	38	<10	159
CC56662		0.02	<10	<10	37	<10	258
CC56663		0.01	<10	<10	7	<10	184
CC56664		0.01	<10	<10	4	<10	128
CC56665		0.02	<10	<10	27	<10	160
CC56666		<0.01	<10	<10	3	<10	123
CC56667		0.01	<10	<10	27	<10	222
CC56668		0.01	<10	<10	29	<10	205
CC56669		0.03	<10	<10	46	<10	164
CC56670		0.02	<10	<10	40	<10	117
CC56671		0.03	<10	<10	63	<10	153
CC56672		0.05	<10	<10	91	<10	171
CC56673		0.02	<10	<10	64	<10	163
CC56674		0.01	<10	<10	47	<10	218
CC56675		0.03	<10	<10	44	<10	141
CC56676		0.01	<10	<10	23	<10	138
CC56677		0.01	<10	<10	41	<10	306
CC56678		0.01	<10	<10	83	<10	474
CC56679		0.01	<10	<10	88	<10	129
CC56680		0.04	<10	<10	64	<10	135
CC56681		0.02	<10	<10	40	<10	75
CC56682		0.02	<10	<10	37	<10	74
CC56683		0.02	<10	<10	17	<10	47
CC56684		0.03	<10	<10	45	<10	90
CC56685		0.05	<10	<10	28	<10	53



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## CERTIFICATE OF ANALYSIS VA09064970

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
CC56686		0.22	0.2	1.92	21	<10	330	0.5	<2	1.90	0.7	27	148	78	3.85	10
CC56687		0.18	<0.2	1.73	15	<10	200	<0.5	<2	1.97	<0.5	20	113	60	3.23	10
CC56688		0.14	0.2	0.28	<2	<10	70	<0.5	<2	0.81	<0.5	1	5	13	0.42	<10
CC56689		0.18	<0.2	0.83	4	<10	150	<0.5	<2	1.02	0.6	5	26	11	1.59	<10
CC56690		0.26	<0.2	0.95	8	<10	150	<0.5	<2	1.05	0.6	8	37	19	1.95	<10
CC56691		0.16	0.4	1.14	3	<10	250	0.6	<2	2.18	0.8	6	31	41	1.52	<10
CC56692		0.20	0.3	0.40	2	<10	90	<0.5	<2	1.21	0.6	1	4	15	0.37	<10
CC56693		0.18	<0.2	0.27	<2	<10	50	<0.5	<2	0.80	<0.5	<1	3	11	0.24	<10
CC56694		0.22	0.6	1.22	16	<10	150	<0.5	<2	1.74	2.4	11	33	34	2.58	10
CC56695		0.20	<0.2	0.49	3	<10	100	<0.5	<2	1.82	0.5	1	4	21	0.34	<10
CC56696		0.20	0.5	1.12	10	<10	150	0.6	<2	3.19	0.5	10	40	109	1.94	<10
CC56697		0.18	0.4	0.71	4	<10	140	<0.5	3	3.69	<0.5	5	19	59	0.94	<10
CC56698		0.16	0.6	0.74	9	<10	160	<0.5	2	3.00	1.3	10	15	95	1.42	<10
CC56699		0.24	0.6	1.11	7	<10	140	0.5	<2	0.73	<0.5	11	41	49	2.60	<10
CC56700		0.14	<0.2	0.28	2	<10	70	<0.5	3	1.03	<0.5	2	5	7	0.26	<10
CC56701		0.28	<0.2	1.46	15	<10	170	<0.5	<2	0.57	<0.5	18	100	48	3.30	<10
CC56702		0.16	<0.2	0.22	2	<10	50	<0.5	<2	0.50	<0.5	1	4	5	0.36	<10
CC56703		0.12	0.2	0.64	<2	<10	330	<0.5	<2	3.87	0.5	3	14	47	0.51	<10
CC56704		0.14	<0.2	0.22	<2	<10	60	<0.5	<2	0.53	<0.5	1	3	6	0.24	<10
CC56705		0.14	0.4	1.59	13	<10	260	0.7	<2	1.13	<0.5	14	53	43	3.17	<10
CC56706		0.16	0.2	0.49	3	<10	180	<0.5	2	1.73	<0.5	2	6	27	0.42	<10
CC56707		0.20	0.6	1.40	40	<10	240	0.6	<2	1.19	0.8	25	59	92	5.11	<10
CC56708		0.20	0.2	1.26	57	<10	130	<0.5	<2	0.68	<0.5	30	69	86	5.59	<10
CC56709		0.12	0.3	0.91	33	<10	370	<0.5	<2	2.41	0.7	34	29	45	4.26	<10
CC56710		0.16	0.2	0.70	10	<10	120	<0.5	<2	0.99	<0.5	9	23	31	1.68	<10
CC56711		0.18	0.4	1.17	12	<10	140	<0.5	<2	0.89	0.5	13	42	66	2.23	<10
CC56712		0.12	0.6	1.05	17	<10	190	<0.5	2	2.90	0.5	13	36	48	2.42	<10
CC56713		0.12	<0.2	1.41	19	<10	500	<0.5	2	0.84	0.5	22	79	76	3.62	<10
CC56714		0.10	0.5	1.39	21	<10	150	<0.5	<2	1.07	0.6	22	74	78	3.76	10
CC56715		0.14	0.3	1.32	26	<10	150	<0.5	<2	1.02	1.2	24	65	106	3.81	<10
CC56716		0.14	1.0	1.42	29	<10	190	<0.5	<2	1.23	1.0	21	72	95	3.61	<10
CC56717		0.10	0.2	0.65	13	<10	170	<0.5	<2	2.73	4.0	10	32	99	1.66	<10
CC56718		0.08	0.9	1.68	25	<10	200	<0.5	2	1.19	1.7	21	91	94	3.64	10
CC56719		0.16	0.9	1.14	17	<10	180	<0.5	<2	1.95	1.7	17	52	120	2.61	<10
CC56720		0.18	0.9	1.12	33	<10	140	<0.5	<2	1.25	1.8	19	57	135	3.28	<10
CC56721		0.18	1.2	0.91	28	<10	140	<0.5	<2	0.62	0.5	12	40	114	3.19	<10
CC56722		0.16	0.5	0.36	6	<10	140	<0.5	2	0.94	0.5	2	6	35	0.53	<10
CC56723		0.16	0.4	0.87	14	<10	240	<0.5	2	1.65	0.7	8	31	64	1.53	<10
CC56724		0.16	0.8	0.63	13	<10	240	<0.5	<2	0.66	<0.5	9	50	28	2.06	<10
CC56725		0.20	0.5	0.83	7	<10	180	<0.5	<2	0.46	<0.5	5	37	23	1.56	<10



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Sample Description	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	ME-ICP41
	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	
Method Analyte Units LOR	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	
CC56686	<1	0.09	20	1.38	2290	1	0.01	138	1100	7	0.07	<2	8	71	<20	
CC56687	<1	0.07	20	1.12	813	1	0.02	93	1040	6	0.08	<2	5	81	<20	
CC56688	<1	0.02	<10	0.08	102	<1	0.04	14	440	<2	0.04	<2	<1	37	<20	
CC56689	<1	0.11	10	0.35	205	1	0.01	23	720	4	0.07	<2	1	51	<20	
CC56690	<1	0.11	10	0.59	373	1	0.01	38	1030	6	0.06	<2	2	48	<20	
CC56691	<1	0.08	20	0.59	484	1	0.02	44	1220	4	0.13	<2	2	109	<20	
CC56692	<1	0.02	10	0.12	175	<1	0.04	18	780	<2	0.09	<2	<1	62	<20	
CC56693	<1	0.02	<10	0.06	31	<1	0.04	14	290	<2	0.05	<2	<1	39	<20	
CC56694	<1	0.09	10	0.66	765	2	0.01	42	1380	9	0.10	<2	3	70	<20	
CC56695	<1	0.02	10	0.13	192	<1	0.03	14	760	<2	0.12	<2	<1	71	<20	
CC56696	1	0.05	30	0.59	736	<1	0.02	78	1260	6	0.15	<2	2	97	<20	
CC56697	1	0.03	10	0.42	226	<1	0.03	41	1000	3	0.17	<2	1	104	<20	
CC56698	1	0.04	20	0.44	552	<1	0.02	71	1600	5	0.22	<2	1	77	<20	
CC56699	1	0.04	30	0.57	528	<1	0.02	43	1490	7	0.07	<2	2	39	<20	
CC56700	<1	0.02	<10	0.08	63	<1	0.04	7	410	<2	0.05	<2	<1	39	<20	
CC56701	<1	0.14	20	1.09	439	1	0.01	105	1330	7	0.02	<2	5	22	<20	
CC56702	<1	0.02	<10	0.08	144	<1	0.04	6	340	<2	0.04	<2	<1	22	<20	
CC56703	<1	0.02	20	0.24	383	<1	0.03	50	870	2	0.17	<2	<1	126	<20	
CC56704	<1	0.02	20	0.05	43	<1	0.04	7	210	<2	0.03	<2	<1	24	<20	
CC56705	1	0.17	40	0.82	920	1	0.02	62	1100	11	0.07	<2	5	50	<20	
CC56706	<1	0.02	10	0.15	142	<1	0.04	34	630	<2	0.10	<2	<1	65	<20	
CC56707	<1	0.07	30	0.80	1210	2	0.01	86	1560	27	0.06	3	6	45	<20	
CC56708	<1	0.03	20	0.80	831	1	0.01	117	1110	9	0.03	2	7	27	<20	
CC56709	<1	0.02	10	0.44	5410	3	0.02	44	1340	8	0.13	<2	3	90	<20	
CC56710	<1	0.03	10	0.32	316	<1	0.02	29	760	5	0.06	<2	2	45	<20	
CC56711	<1	0.04	10	0.59	404	<1	0.02	57	1220	8	0.08	<2	3	37	<20	
CC56712	1	0.04	10	0.60	1150	<1	0.02	49	1470	8	0.20	<2	2	92	<20	
CC56713	<1	0.05	20	0.80	631	<1	0.01	93	1220	9	0.06	<2	4	33	<20	
CC56714	1	0.06	20	0.92	448	1	0.01	96	1560	9	0.06	2	5	38	<20	
CC56715	<1	0.05	20	0.78	908	3	0.01	107	1680	9	0.06	<2	5	36	<20	
CC56716	1	0.05	20	0.92	716	1	0.01	78	1800	12	0.07	<2	5	50	<20	
CC56717	<1	0.05	10	0.49	657	2	0.03	65	1650	7	0.17	<2	2	80	<20	
CC56718	1	0.05	20	1.25	693	<1	0.01	93	1760	9	0.06	<2	6	50	<20	
CC56719	1	0.04	20	0.75	639	<1	0.02	79	1550	6	0.11	<2	3	65	<20	
CC56720	<1	0.04	20	0.78	596	2	0.01	84	2560	10	0.05	2	4	49	<20	
CC56721	<1	0.03	20	0.48	224	3	0.02	43	1870	7	0.04	<2	3	29	<20	
CC56722	<1	0.02	10	0.16	271	<1	0.04	24	530	<2	0.04	<2	1	53	<20	
CC56723	<1	0.02	30	0.43	1425	<1	0.03	53	1460	2	0.09	<2	1	65	<20	
CC56724	<1	0.03	20	0.36	677	6	0.03	32	2540	6	0.12	<2	1	36	<20	
CC56725	<1	0.07	20	0.47	188	1	0.02	28	1210	5	0.05	<2	2	23	<20	



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Project: Wind (Fin)

Page: 3 - C

Total # . ages: 4 (A - C)

Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Ti	U	V	W	Zn
Units		%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
CC56686		0.07	<10	<10	66	<10	92
CC56687		0.06	<10	<10	61	<10	96
CC56688		0.02	<10	<10	10	<10	12
CC56689		0.04	<10	<10	25	<10	84
CC56690		0.07	<10	<10	30	<10	78
CC56691		0.04	<10	10	25	<10	63
CC56692		0.02	<10	<10	7	<10	26
CC56693		0.01	<10	<10	5	<10	4
CC56694		0.08	<10	<10	36	<10	182
CC56695		0.01	<10	10	5	<10	11
CC56696		0.03	<10	<10	24	<10	50
CC56697		0.02	<10	<10	14	<10	28
CC56698		0.02	<10	<10	13	<10	85
CC56699		0.04	<10	<10	28	<10	103
CC56700		0.02	<10	<10	5	<10	15
CC56701		0.09	<10	<10	52	<10	73
CC56702		0.02	<10	<10	10	<10	7
CC56703		0.01	<10	10	6	<10	10
CC56704		0.01	<10	<10	5	<10	6
CC56705		0.10	<10	<10	50	<10	93
CC56706		0.02	<10	10	8	<10	8
CC56707		0.05	<10	10	72	<10	142
CC56708		0.03	<10	<10	58	<10	109
CC56709		0.02	<10	<10	38	<10	81
CC56710		0.02	<10	<10	28	<10	67
CC56711		0.03	<10	<10	45	<10	93
CC56712		0.02	<10	10	36	<10	95
CC56713		0.02	<10	<10	45	<10	130
CC56714		0.03	<10	<10	49	<10	164
CC56715		0.03	<10	<10	46	<10	182
CC56716		0.03	<10	<10	65	<10	176
CC56717		0.01	<10	<10	27	<10	157
CC56718		0.02	<10	<10	62	<10	190
CC56719		0.02	<10	<10	34	<10	149
CC56720		0.02	<10	<10	54	<10	173
CC56721		0.02	<10	<10	36	<10	98
CC56722		0.01	<10	<10	7	<10	17
CC56723		0.01	<10	<10	17	<10	37
CC56724		0.02	<10	<10	41	<10	26
CC56725		0.05	<10	<10	37	<10	56



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## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	Method Analyte Units LOR	WEI-21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC56726		0.18	0.3	0.19	4	<10	30	<0.5	<2	0.07	<0.5	1	15	4	0.39	<10
CC56727		0.24	0.9	1.33	12	<10	110	<0.5	<2	0.53	<0.5	8	55	44	2.53	10
CC56728		0.12	1.1	0.91	5	<10	140	<0.5	<2	0.14	0.5	3	32	32	1.34	<10
CC56729		0.28	0.7	1.43	14	<10	150	0.5	<2	0.53	0.6	8	57	56	2.35	10
CC56730		0.10	<0.2	1.57	21	<10	450	<0.5	<2	0.88	<0.5	20	108	48	3.67	<10
CC56731		0.10	0.2	1.38	18	<10	750	<0.5	<2	1.21	0.6	15	74	65	2.95	<10
CC56732		0.14	<0.2	1.81	18	<10	430	<0.5	<2	1.55	0.9	26	107	72	4.04	10
CC56733		0.20	0.2	2.04	17	<10	190	<0.5	<2	0.91	<0.5	20	127	86	3.55	10
CC56734		0.22	0.2	2.19	19	<10	120	<0.5	<2	0.63	0.6	27	145	117	4.17	10
CC56735		0.24	0.2	2.13	22	<10	110	<0.5	<2	0.69	0.9	27	141	125	4.30	<10
CC56736		0.16	0.2	2.97	31	<10	230	<0.5	<2	0.77	<0.5	31	190	81	5.36	10
CC56737		0.16	0.2	2.15	20	<10	150	<0.5	<2	0.41	<0.5	17	134	44	3.43	10
CC56738		0.30	0.7	1.57	34	<10	200	<0.5	<2	0.37	0.5	18	84	65	3.41	<10
CC56739		0.16	2.7	0.74	9	<10	190	<0.5	<2	0.20	0.6	5	38	52	1.63	<10
CC56740		0.20	1.1	1.26	24	<10	140	<0.5	2	0.39	<0.5	13	78	84	3.58	<10
CC56741		0.22	1.2	1.68	21	<10	200	0.6	<2	0.26	0.6	10	72	81	3.59	10
CC56742		0.26	0.2	1.17	16	<10	110	0.5	<2	0.42	<0.5	10	53	43	2.74	10
CC56743		0.18	1.6	1.52	14	<10	250	0.6	<2	0.30	0.6	7	47	109	2.65	10
CC56744		0.20	<0.2	0.26	3	<10	20	<0.5	<2	0.04	<0.5	1	18	6	0.57	<10
CC56745		0.28	<0.2	0.49	6	<10	70	<0.5	<2	0.08	<0.5	2	21	11	1.13	<10
CC56747		0.26	2.1	1.34	12	<10	170	<0.5	<2	0.27	<0.5	6	49	55	2.86	10
CC56748		0.34	0.3	1.13	24	<10	160	<0.5	<2	0.46	0.7	13	55	49	3.18	<10



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Project: Wind (Fin)

Page: 4 - B

Total Pages: 4 (A - C)  
Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC56726		<1	0.03	10	0.07	25	1	0.02	8	320	<2	0.02	<2	<1	6	<20
CC56727		<1	0.11	10	0.68	323	3	0.01	49	2850	13	0.03	<2	1	28	<20
CC56728		<1	0.08	20	0.28	73	2	0.02	26	1350	9	0.08	<2	<1	42	<20
CC56729		<1	0.13	20	0.82	327	2	0.01	49	2250	15	0.03	<2	1	59	<20
CC56730		<1	0.04	10	1.18	927	2	0.02	77	1230	7	0.04	<2	6	35	<20
CC56731		<1	0.04	10	0.87	872	2	0.02	74	1320	6	0.07	<2	3	57	<20
CC56732		1	0.03	10	1.58	3180	4	0.02	100	1420	6	0.07	<2	6	62	<20
CC56733		<1	0.04	20	1.79	293	1	0.01	104	1500	6	0.05	<2	7	41	<20
CC56734		<1	0.04	20	2.12	550	2	0.01	131	1580	7	0.02	<2	9	33	<20
CC56735		<1	0.04	20	2.02	696	2	0.01	138	1830	6	0.02	<2	9	36	<20
CC56736		<1	0.03	20	2.74	944	1	0.01	143	1560	6	0.05	2	11	39	<20
CC56737		<1	0.02	30	1.94	526	1	0.01	83	2020	4	0.04	<2	8	27	<20
CC56738		<1	0.03	30	0.99	633	3	0.01	84	2250	5	0.06	<2	4	27	<20
CC56739		<1	0.06	20	0.20	193	3	0.02	40	2400	6	0.12	<2	1	28	<20
CC56740		<1	0.07	20	0.78	339	4	0.01	80	2170	15	0.04	2	3	65	<20
CC56741		1	0.20	20	0.79	315	5	0.01	79	1700	23	0.05	2	2	70	<20
CC56742		<1	0.15	20	0.72	338	2	0.01	60	1930	10	0.02	<2	3	24	<20
CC56743		<1	0.15	20	0.55	244	3	0.02	68	1700	16	0.06	<2	1	56	<20
CC56744		<1	0.04	<10	0.11	41	1	0.02	10	320	<2	0.02	<2	<1	4	<20
CC56745		<1	0.05	10	0.16	74	2	0.02	14	380	4	0.01	<2	<1	13	<20
CC56747		<1	0.10	30	0.58	133	3	0.02	52	1980	20	0.07	<2	1	102	<20
CC56748		<1	0.09	20	0.59	543	3	0.01	72	2230	11	0.02	<2	3	32	<20



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Total Charges: 4 (A - C)

Finalized Date: 18-JUL-2009

Account: MTT

## CERTIFICATE OF ANALYSIS VA09064970

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		0.01	10	10	1	10	2
CC56726		0.01	<10	<10	11	<10	11
CC56727		0.04	<10	<10	98	<10	107
CC56728		0.01	<10	<10	31	<10	54
CC56729		0.05	<10	<10	71	<10	116
CC56730		0.02	<10	<10	49	<10	96
CC56731		0.02	<10	<10	43	<10	111
CC56732		0.02	<10	<10	56	<10	124
CC56733		0.03	<10	<10	64	<10	159
CC56734		0.04	<10	<10	74	<10	154
CC56735		0.02	<10	<10	73	<10	150
CC56736		0.02	<10	<10	93	<10	141
CC56737		0.02	<10	<10	76	<10	94
CC56738		0.02	<10	<10	53	<10	113
CC56739		0.01	<10	<10	26	<10	60
CC56740		0.03	<10	<10	87	<10	153
CC56741		0.05	<10	<10	110	<10	172
CC56742		0.08	<10	<10	66	<10	104
CC56743		0.03	<10	<10	81	<10	146
CC56744		0.02	<10	<10	16	<10	15
CC56745		0.02	<10	<10	34	<10	32
CC56747		0.02	<10	<10	85	<10	111
CC56748		0.06	<10	<10	91	<10	104



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Page: 1  
Finalized Date: 4-JUL-2009  
Account: MTT

## CERTIFICATE VA09064469

Project: Wind (Fin)  
P.O. No.:  
This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 29-JUN-2009.  
The following have access to data associated with this certificate:


AL ARCHER VANCOUVER OFFICE	DOUG EATON BILL WENGZYNOWSKI	JOAN MARIACHER
-------------------------------	---------------------------------	----------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: STRATEGIC METALS LTD.  
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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VANCOUVER BC V6B 1L8

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

Signature:   
Colin Ramshaw, Vancouver Laboratory Manager



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## CERTIFICATE OF ANALYSIS VA09064469

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
H248511		1.78	<0.2	0.12	6	<10	<10	<0.5	<2	0.08	<0.5	92	555	7	4.43	<10
H248512		2.06	<0.2	0.03	<2	<10	60	<0.5	<2	6.18	<0.5	2	9	13	1.65	<10



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Finalized Date: 4-JUL-2009

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## CERTIFICATE OF ANALYSIS VA09064469

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
H248511		<1	<0.01	<10	20.00	790	<1	0.01	1935	20	<2	0.02	<2	4	1	<20
H248512		<1	0.01	<10	3.67	361	<1	0.01	23	160	<2	0.02	<2	<1	263	<20



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## CERTIFICATE OF ANALYSIS VA09064469

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ti	Tl	U	V	W	Zn
Units		%	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2
H248511		0.01	<10	<10	12	<10	21
H248512		<0.01	<10	<10	2	<10	24

**APPENDIX IV**  
**ROCK SAMPLE DESCRIPTIONS**

---

**Rock Sample Descriptions**Project: Finlayson VMS Property: Wind

---

Sample Number:	Grid East:	E	Grid North:	N	Type: specimen	Dimension: 4x6x10 cm
H248511	UTM:	423145 E	UTM:	6818454 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Drk green fine grained meta-mafic rock with 10-15% magnetite.  
53

---

Sample Number:	Grid East:	E	Grid North:	N	Type: specimen	Dimension: 4x6x10 cm
H248512	UTM:	422998 E	UTM:	6818707 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Drk Gy fine-med grained dirty qtzite with qtz calcite veins. qtz on inside of vein and calcite on outside of vein. Weak comb texture on some of the qtz.  
57 ~10% vein material. Near veins some calcite has penetrated into wall rock. Limonitic stain on surface of rock.

---

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				

Comments:

---

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				

Comments:

---

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				

Comments:

---

Sample Number:	Grid East:	E	Grid North:	N	Type:	Dimension:
	UTM:	E	UTM:	N	Sample Width:	Abundance:
	Elevation:	m				

Comments:

---