

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

describing

**GEOCHEMICAL SAMPLING**

at the

**III PROPERTY**

III 1-42 YD56427-YD56468

NTS 115I/03

Latitude 62°00'N; Longitude 137°24'W

located in the

Whitehorse Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**WOLVERINE MINERALS CORP.**  
and  
**STRATEGIC METALS LTD.**

by

A. Mitchell, B.Sc., Geology

March 2012

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## **INTRODUCTION**

The property lies within the Dawson Range Gold Belt of western Yukon (Figure 1). The III property was staked to cover a strongly anomalous gold value reported from historical stream sediment sampling. Wolverine Minerals Corp. can earn a 100% interest in the property subject to an option agreement with Strategic Metals Ltd.

This report describes an exploration program that was conducted by Archer, Cathro & Associates (1981) Limited in summer 2011 on behalf of Strategic. The work was performed on August 6 and 17 and comprised sieve silt sampling. The author interpreted all data from this project and his Statement of Qualification appears in Appendix I.

## **PROPERTY LOCATION, CLAIM DATA AND ACCESS**

The III property consists of 42 contiguous mineral claims, which are located on NTS map sheet 115I/03 at latitude 62°00' north and longitude 137°24' west (Figure 1). The property covers an area of approximately 870 ha (8.7 sq. km). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
III 1-42	YD56427-YD56468	April 15, 2014

\* Expiry dates include 2011 work that has been filed for assessment credit but not yet accepted.

Daily access to and from the property was provided by a Bell 206B helicopter owned and operated by Capital Helicopters (1995) Inc. of Whitehorse, from a temporary base at Rockhaven Resources Ltd.'s Klaza property located near the former Mount Nansen Mine. The Klaza property lies 12 km to the northeast of the III property and 70 km by road west of the community of Carmacks.

## **HISTORY AND PREVIOUS WORK**

In 1969, Archer Cathro performed regional exploration in the Dawson Range district for the Dawson Range Joint Venture. Four stream sediment samples were taken about 1.5 km north of the current III property boundary. These samples returned weakly to moderately anomalous values for lead (up to 33 ppm), background values for copper and nil molybdenum.

In 1974, Archer Cathro once more did work in the Dawson Range – now for the Klotassin Joint Venture (KJV). KJV comprised Newconex Canadian Exploration Ltd., Marietta Resources International Ltd., and Molybdenum Corporation of America. Work performed included 1:50,000 scale reconnaissance-style prospecting, mapping and geochemical sampling (Cathro, 1974). This work was conducted dominantly to the north of the current III property area, and no samples were collected from the property.

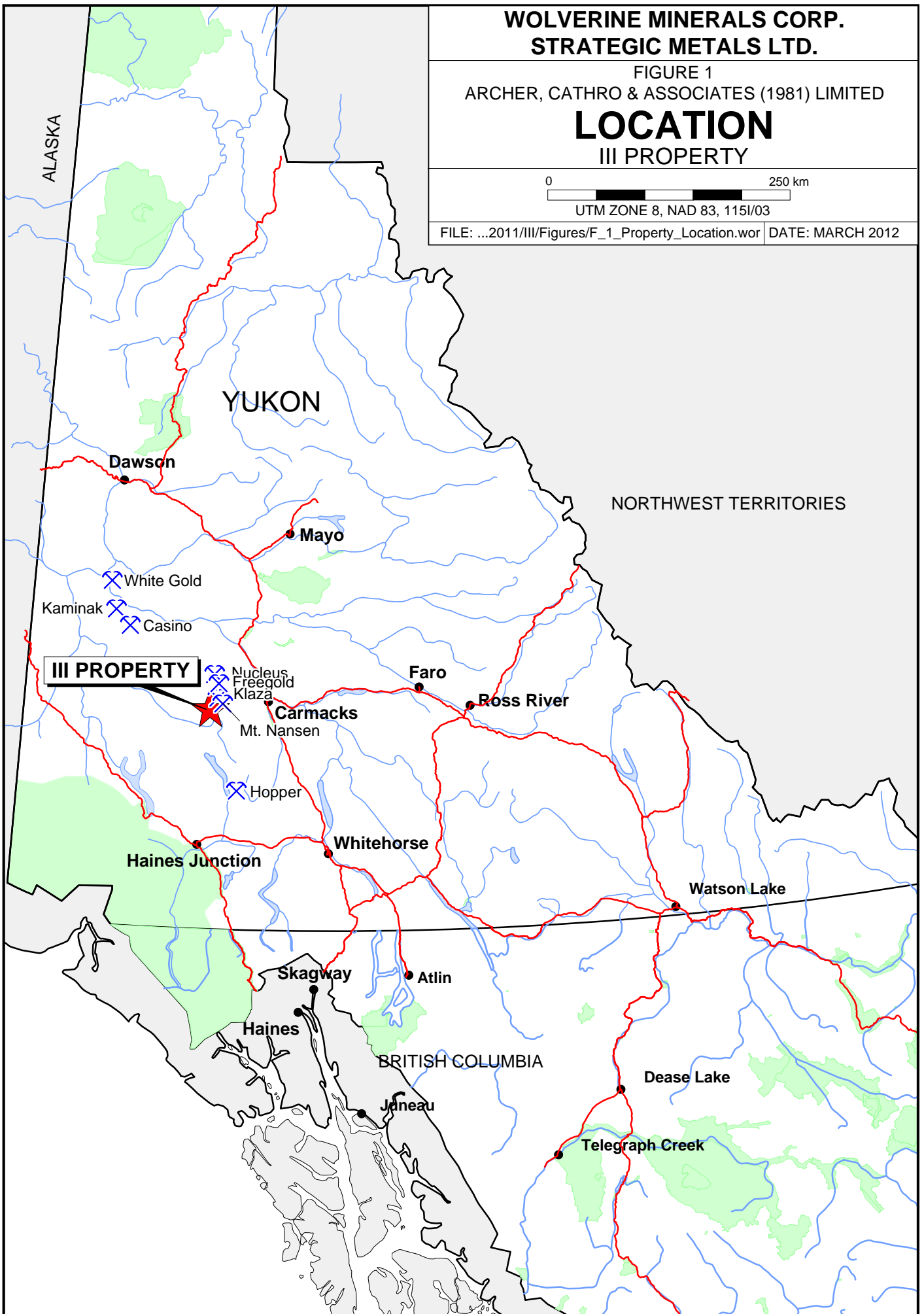
**WOLVERINE MINERALS CORP.  
STRATEGIC METALS LTD.**

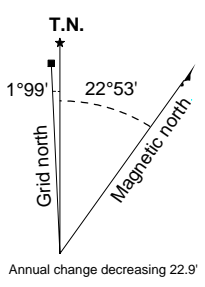
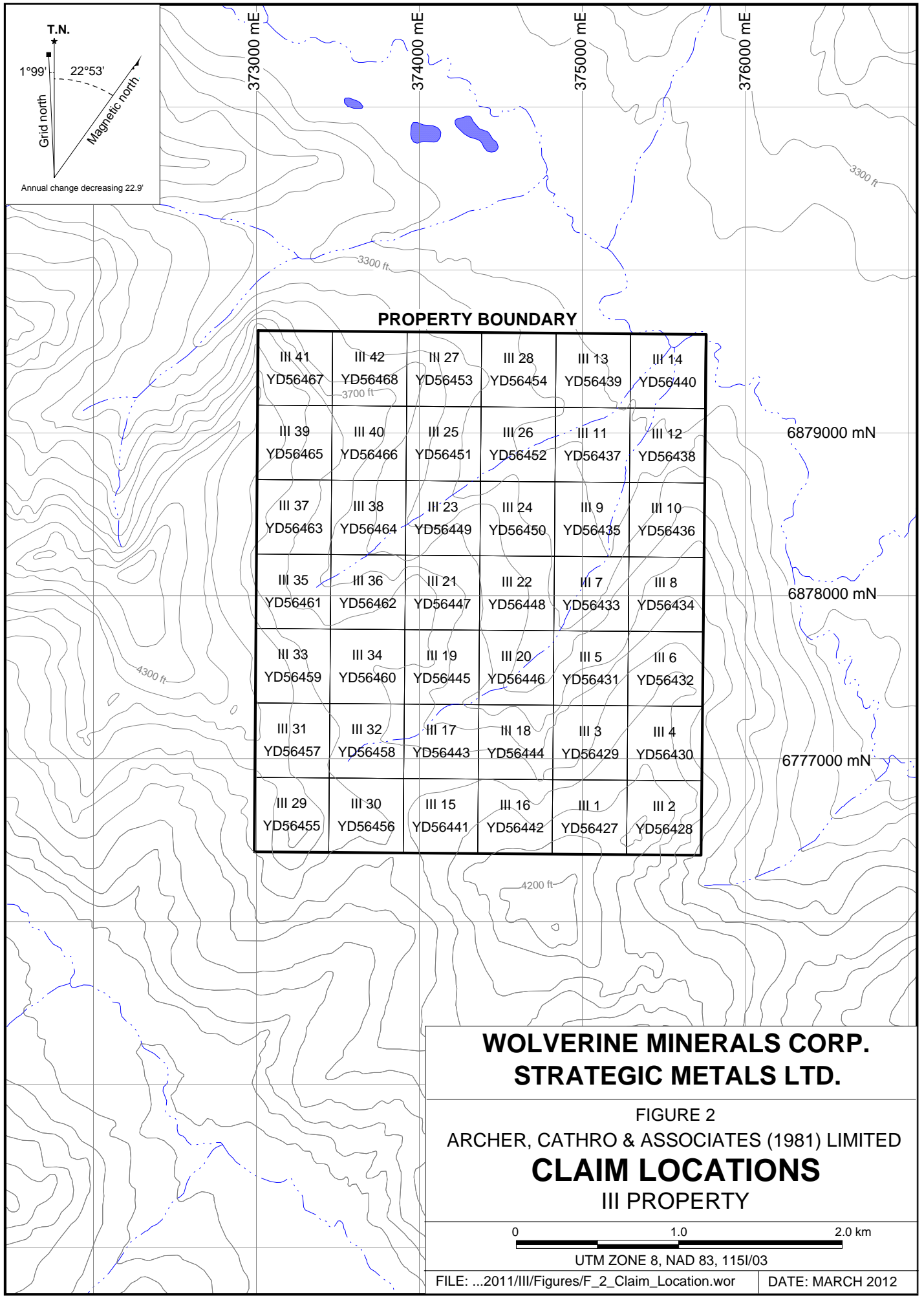
FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LOCATION**  
III PROPERTY

0 250 km

UTM ZONE 8, NAD 83, 115I/03

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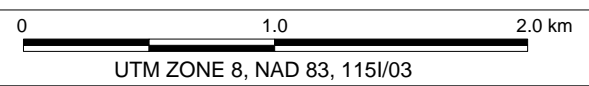


**PROPERTY BOUNDARY**

III 41 YD56467	III 42 YD56468	III 27 YD56453	III 28 YD56454	III 13 YD56439	III 14 YD56440
III 39 YD56465	III 40 YD56466	III 25 YD56451	III 26 YD56452	III 11 YD56437	III 12 YD56438
III 37 YD56463	III 38 YD56464	III 23 YD56449	III 24 YD56450	III 9 YD56435	III 10 YD56436
III 35 YD56461	III 36 YD56462	III 21 YD56447	III 22 YD56448	III 7 YD56433	III 8 YD56434
III 33 YD56459	III 34 YD56460	III 19 YD56445	III 20 YD56446	III 5 YD56431	III 6 YD56432
III 31 YD56457	III 32 YD56458	III 17 YD56443	III 18 YD56444	III 3 YD56429	III 4 YD56430
III 29 YD56455	III 30 YD56456	III 15 YD56441	III 16 YD56442	III 1 YD56427	III 2 YD56428

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



In 1975, Archer Cathro continued its exploration on behalf of KJV. Nineteen soil samples were collected from the current III property during this program. The samples were analyzed for copper, molybdenum, lead and zinc. They returned weakly to strongly anomalous values for copper (up to 161 ppm) and zinc (up to 105 ppm), background to weakly anomalous values for lead (up to 20 ppm) and background values for molybdenum (Cathro, 1976).

In 1985, Archer Cathro again performed exploration in the Dawson Range district, this time for Freegold Venture (FV). FV was funded by Chevron Resources Ltd. A program of prospecting and geochemical sampling identified one strongly anomalous gold-in-silt value of 115 ppb. All remaining samples collected within the III claim boundary yielded background values for gold.

In 1986, the Geological Survey of Canada conducted a low-density stream sediment and water sampling survey on NTS map sheet 115I (Friske et al., 1985). Two samples were taken from creeks draining the current claim block, and seven other samples were taken within 2.25 km of the property. All samples yielded background values for gold and its common pathfinder elements.

Strategic staked the III claims in March 2010. The following summer, a total of 49 soil samples were collected from the property. The soil samples yielded background to strongly anomalous values for copper (up to 109 ppm), lead (up to 67 ppm) and zinc (up to 119 ppm), but only background values for gold (up to 10 ppb) and arsenic (up to 8 ppm).

Wolverine signed an option purchase agreement with Strategic in September 2010.

### **GEOMORPHOLOGY AND CLIMATE**

The III property is situated in the southern part of the Dawson Range and is drained by creeks that flow into the Klaza River, which connects to the Pacific Ocean via the Yukon River. The property was glaciated during Pliocene to early Pleistocene (Duk-Rodkin, 1999). Ice movement in this area arced from southeast to southwest following the same orientation as the Klaza River.

The property covers two northeast flowing drainages and a north-south trending linear depression on a northwest trending ridge in the southwest part of the property. Elevations range from about 975 to 1250 m above sea level (asl). Outcrop is rare.

The property lies entirely below treeline, which is approximately 1400 m asl in the area. Vegetation is abundant, consisting of spruce and poplar forests at lower elevations and scattered stunted spruce with an understory of buckbrush and moss at higher elevations. North facing slopes feature extensive permafrost.

The climate in the III area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from mid-May to late September.

## REGIONAL GEOLOGY

In 1974, the Geological Survey of Canada published a geological map of the Carmacks area (NTS map sheet 1151) at 1:250,000 scale (Templeman-Kluit, 1974). In 1975, KJV performed 1:50,000 scale geological mapping of Regional Area 'D', which includes the III property (Cathro, 1976). Gordey and Makepeace (2003) later completed a Yukon-wide geological compilation, which updated the lithological unit names in the III area.

The III property is located within the Yukon-Tanana Terrane (YTT) as shown on Figure 3. YTT represents a continental arc that developed along the ancient Pacific margin of North America from Late Devonian to Permian. Figure 4 illustrates geology as compiled by Gordey and Makepeace. The main lithological units are described in the Table I.

**Table I – Lithological Units (after Gordey and Makepeace, 2003)**

<b>Unit Name</b>	<b>Age</b>	<b>Map Name</b>	<b>Description</b>
Mount Nansen Formation	Mid-Cretaceous	mKN	Massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz- and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccias.
Nisling Assemblage	Late Proterozoic and Paleozoic	PPN	Dark grey to brown, biotite-muscovite-quartz-feldspar schist, quartzite and micaceous quartzite, garnetiferous; felsic chlorite-biotite orthogneiss; rare amphibolite; minor two-mica gneiss and hornblende diorite gneiss.
Amphibolite Assemblage	Proterozoic and Paleozoic	PPa	Medium to dark green weathering chlorite (+/-biotite) schist, amphibolite, banded amphibolite gneiss, garnet amphibolite; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone.

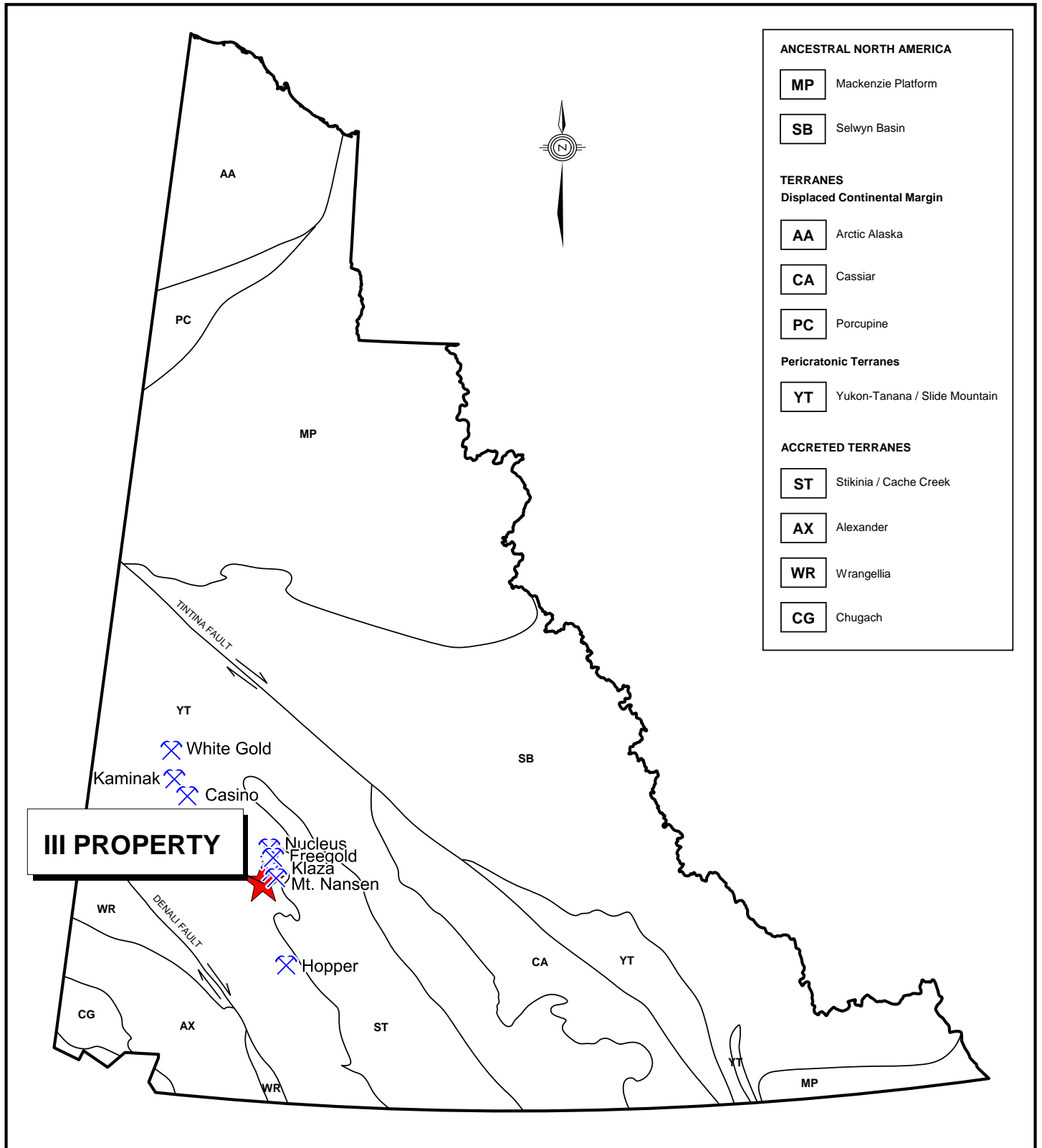
## PROPERTY GEOLOGY

No detailed geological mapping has been done on the III property. The following description of property geology is based on published data discussed in the previous section. Figure 4 illustrates generalized geology as compiled by Gordey and Makepeace (2003).

The III property is mostly underlain by quartz-feldspar schist of the Nisling Assemblage (PPN). Amphibolite Assemblage (PPa) is juxtaposed against PPN in the northeast corner of the property. A southwest trending fault is truncated along a northwest trending fault one kilometre east of the property and a Mount Nansen Formation plug is located one kilometre to the north.

There is no mineralization known on the property.





ANCESTRAL NORTH AMERICA	
<b>MP</b>	Mackenzie Platform
<b>SB</b>	Selwyn Basin
TERRANES	
Displaced Continental Margin	
<b>AA</b>	Arctic Alaska
<b>CA</b>	Cassiar
<b>PC</b>	Porcupine
Pericratonic Terranes	
<b>YT</b>	Yukon-Tanana / Slide Mountain
ACCRETED TERRANES	
<b>ST</b>	Stikinia / Cache Creek
<b>AX</b>	Alexander
<b>WR</b>	Wrangellia
<b>CG</b>	Chugach

**III PROPERTY**

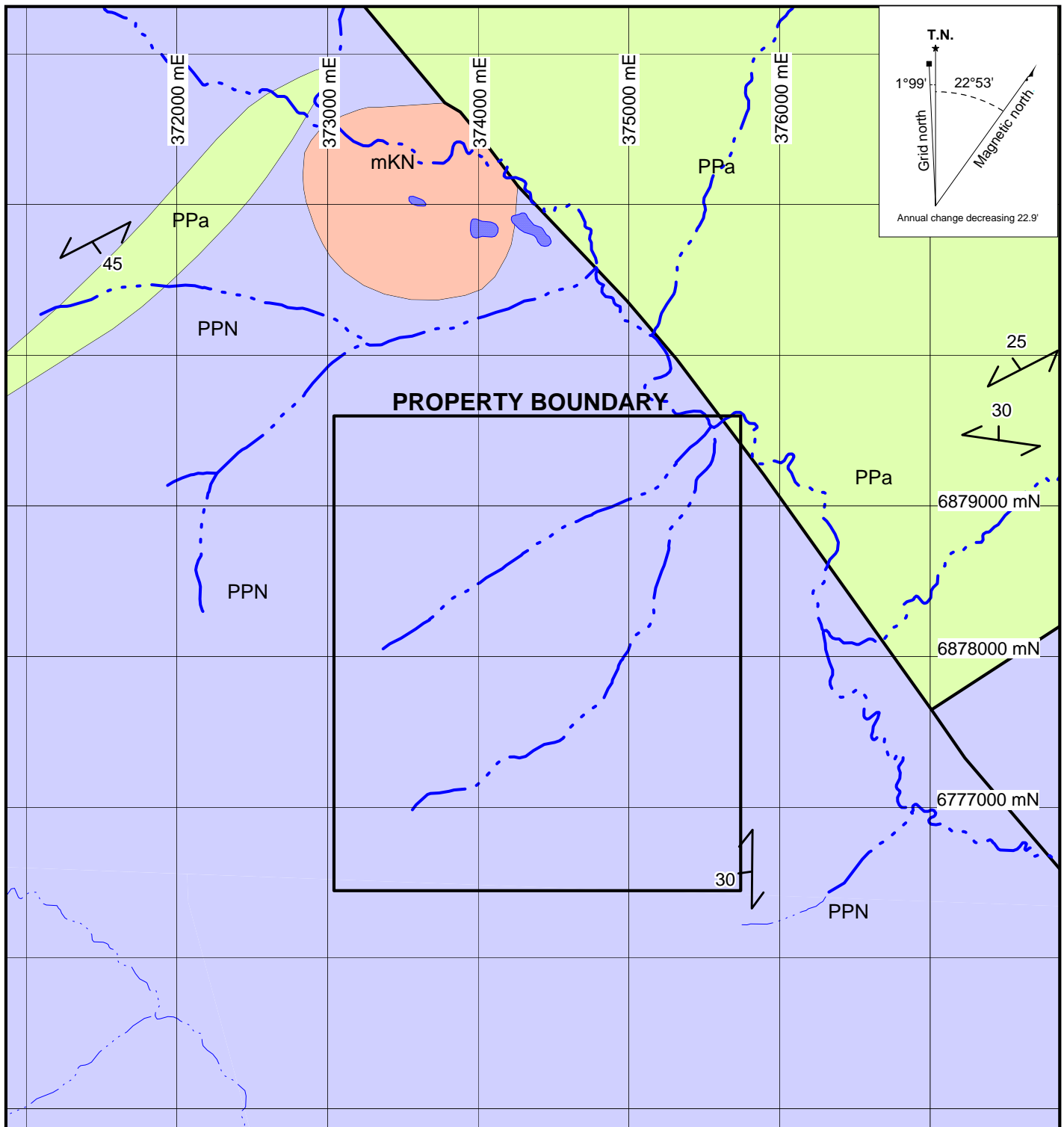


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FIGURE 3  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TECTONIC SETTING**  
III PROPERTY

0 200 km  
UTM ZONE 8, NAD 83, 115I/03

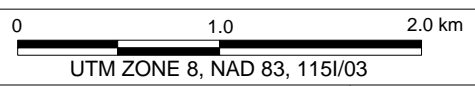
FILE: ...2011/III/Figures/F\_3\_Tectonic\_Settings.wor      DATE: MARCH 2012



- PPN: NISLING**  
 Dark grey to brown, biotite-muscovite-quartz-feldspar schist, quartzite and micaceous quartzite, garnetiferous; felsic chlorite-biotite orthogneiss; rare amphibolite; minor two-mica gneiss and hornblende-diorite gneiss
- PPa: AMPHIBOLITE**  
 Medium to dark green weathering chlorite schist, amphibolite, banded amphibolite gneiss, garnet amphibolite; minor chloritic quartz-mica schist, graphitic quartz-mica schist, quartzite, and limestone.
- mKN: MOUNT NANSEN**  
 Massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz- and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia.

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



## **SOIL GEOCHEMISTRY**

Historical sampling on the III property was broadly spaced with a minimum separation of about 185 m between sample sites. Most gold, arsenic, copper, molybdenum, lead and zinc results were at background levels. Noteworthy exceptions were samples that returned strongly anomalous values of 115 ppb gold, 161 ppm copper and 105 ppm zinc. The anomalous gold sample also produced the anomalous zinc value and was a stream sediment collected from a creek in the northern part of the property. The elevated copper sample came from another creek, along the northern edge of the claim block.

A total of 10 sieve silt samples were collected in 2011. Sample locations are plotted on Figure 5, while results for gold, arsenic, copper, lead and zinc are illustrated thematically on Figures 6 to 10. Certificates of Analysis are given in Appendix II.

W.R. (Bill) Gilmour from Discovery Consultants of Vernon, British Columbia provided instructions and equipment for collecting the samples. The crew collected up to three kilograms of material from specific locations based on flow rates and geomorphological characteristics. Each sample was placed into a large heavy-plastic bag and then double-bagged for safe transport. Sample sites are marked with aluminum tags inscribed with sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. All sample locations were recorded using hand-held GPS units.

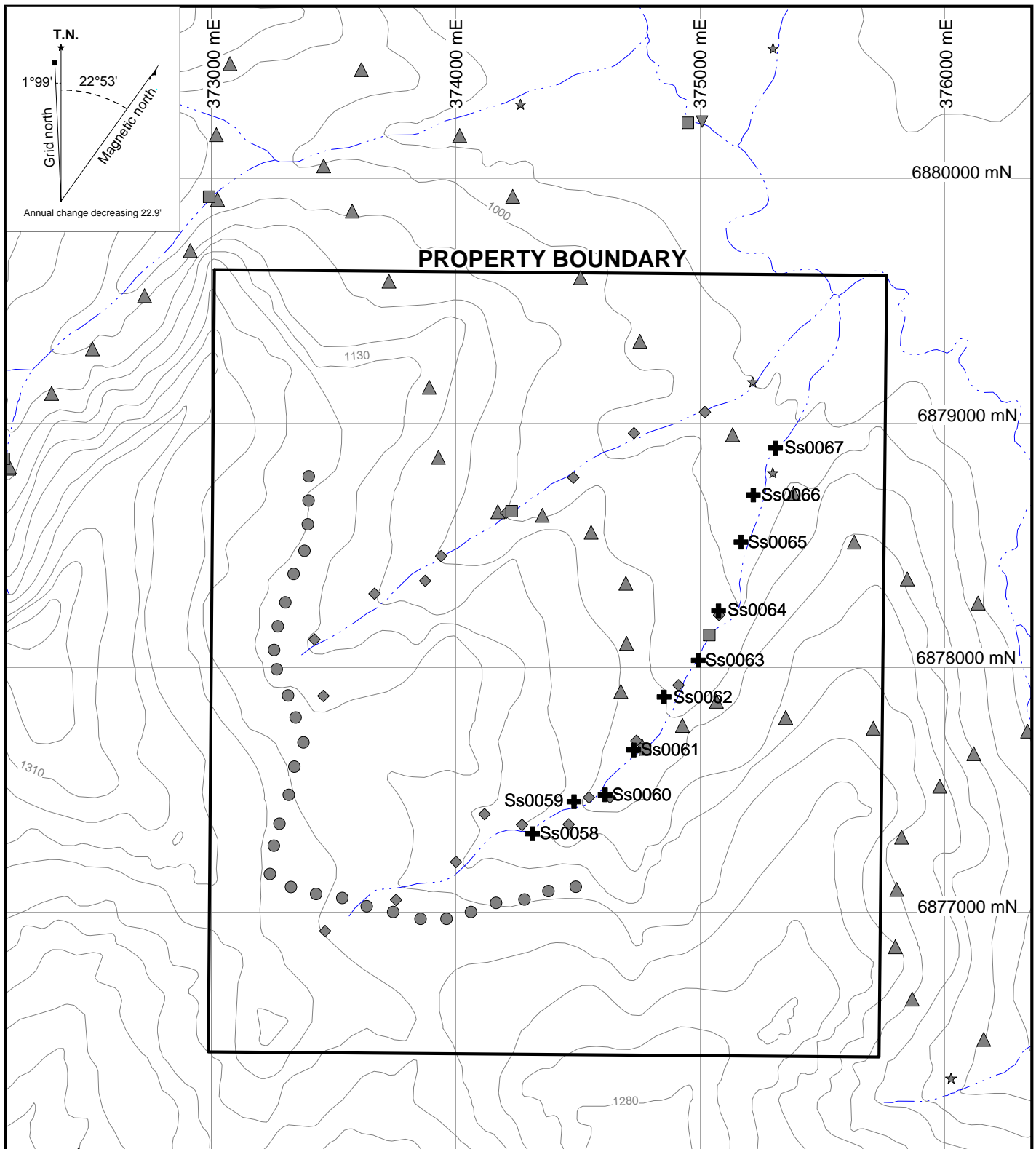
The sieve silt samples were sent to Acme Labs in Vancouver, B.C. where they were dried and sieved to -80 mesh. Special instructions were given to sieve entire sample weight, not only 0.5 kg, which is standard practice at Acme. Once sieved, the sample was divided using a micro splitter to produce a 30 g sub-sample that was analyzed by aqua regia digestion and ultra-trace inductively coupled plasma-mass spectrometry.

The sieve silt samples yielded background to weakly anomalous values for zinc (up to 34 ppm) and background values for all other metals. The streams that produced the highest historical gold, zinc and copper values were not sieve silt sampled; thus, the historic values were neither confirmed nor invalidated.

## **DISCUSSION AND CONCLUSIONS**

Sieve silt sampling performed by Wolverine at the III property did not test the historical, 115 ppb gold value. No additional soil samples were taken and sample density is still very low. This coupled with difficult sampling conditions, suggests that the target may not be adequately tested. Future work would be warranted, especially if new discoveries continue to be made in the district.

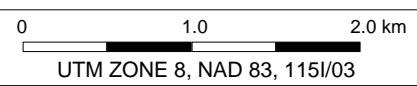
Future work should include prospecting, additional sieve silt sampling and deep auger soil sampling. Sieve silt sampling should be done in the northern drainage, where the historic anomalous gold value was taken. Additionally, more closely spaced, contour soil sampling should also be completed. Once geochemical results are received and if they are encouraging, detailed prospecting should look for surface mineralization in the geochemically anomalous

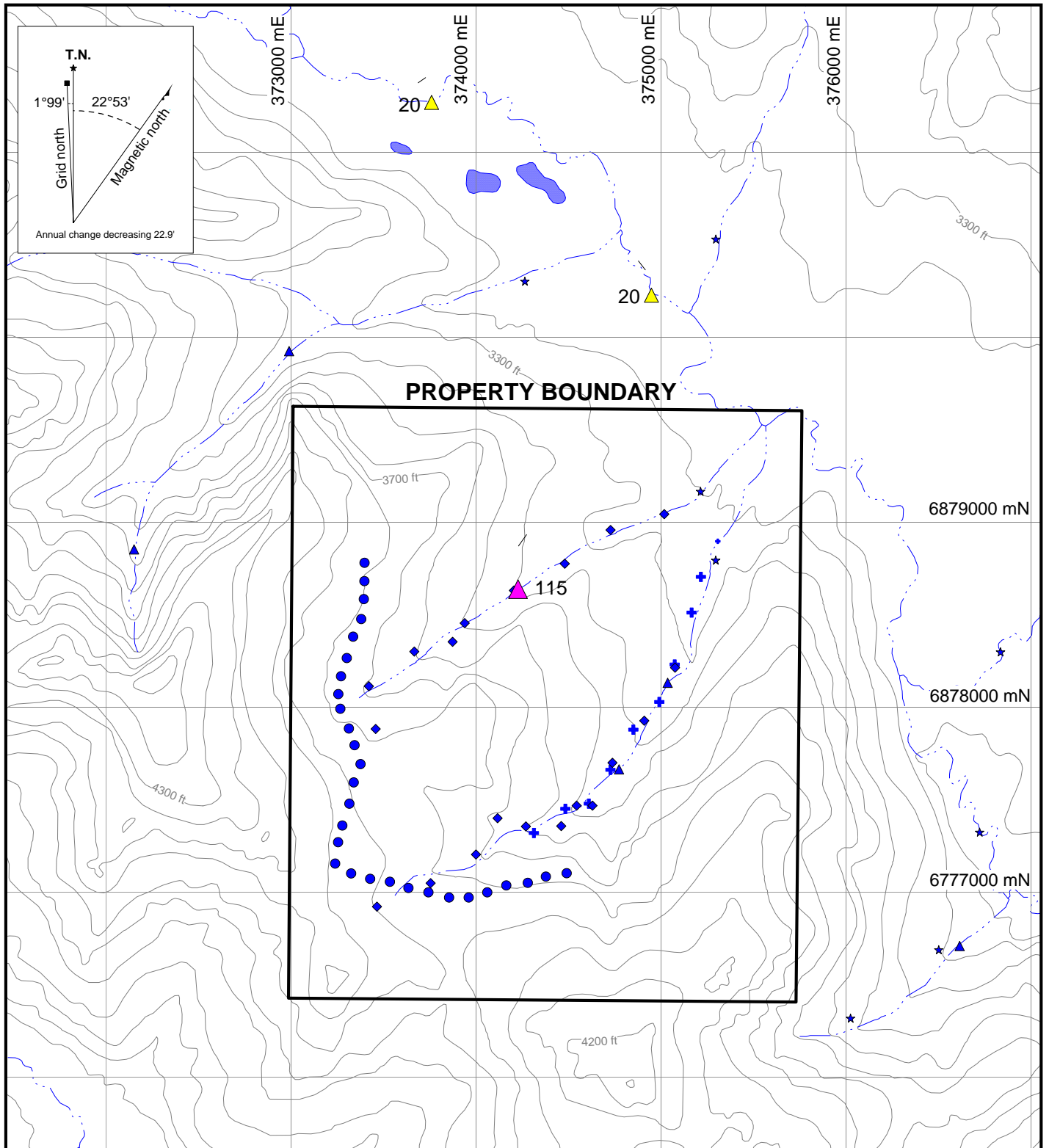


- ✚ 2011 Sieve Silt Sample
- 2010 Soil Sample
- ◆ 2010 Silt Sample
- 1985 Soil or Silt Sample
- ★ RGS Silt Sample
- ▲ 1975 Soil Sample
- ▼ 1969 Silt Sample

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

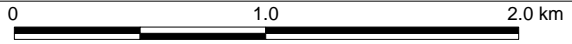




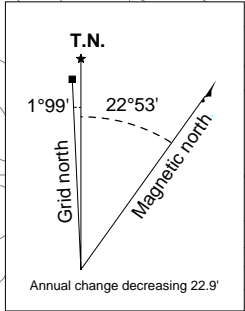
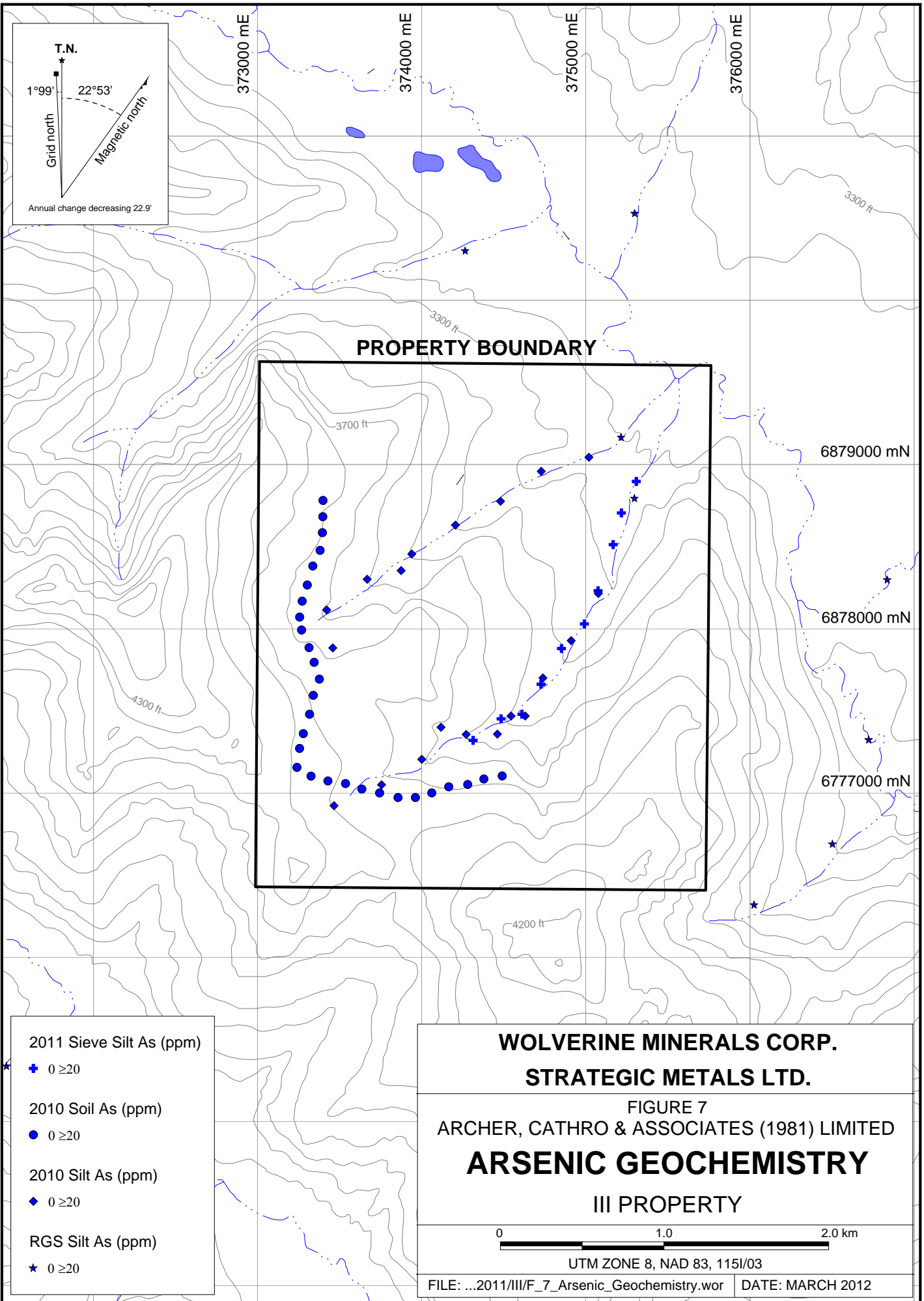
2011 Sieve Silt Au (ppb)	RGS Silt Au (ppb)
★ 0 ≥ 10	★ 0 ≥ 10
2010 Soil Au (ppb)	1985 Silt Au (ppb)
● 0 ≥ 10	▲ 100 ≥ 115
2010 Silt Au (ppb)	▲ 50 ≥ 100
◆ 0 ≥ 10	▲ 20 ≥ 50
	▲ 10 ≥ 20
	▲ 0 ≥ 10

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FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GOLD GEOCHEMISTRY**  
III PROPERTY



UTM ZONE 8, NAD 83, 1151/03



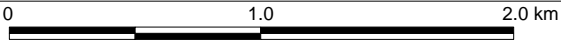
**PROPERTY BOUNDARY**

- 2011 Sieve Silt As (ppm)
  - + 0 ≥ 20
- 2010 Soil As (ppm)
  - 0 ≥ 20
- 2010 Silt As (ppm)
  - ◆ 0 ≥ 20
- RGS Silt As (ppm)
  - ★ 0 ≥ 20

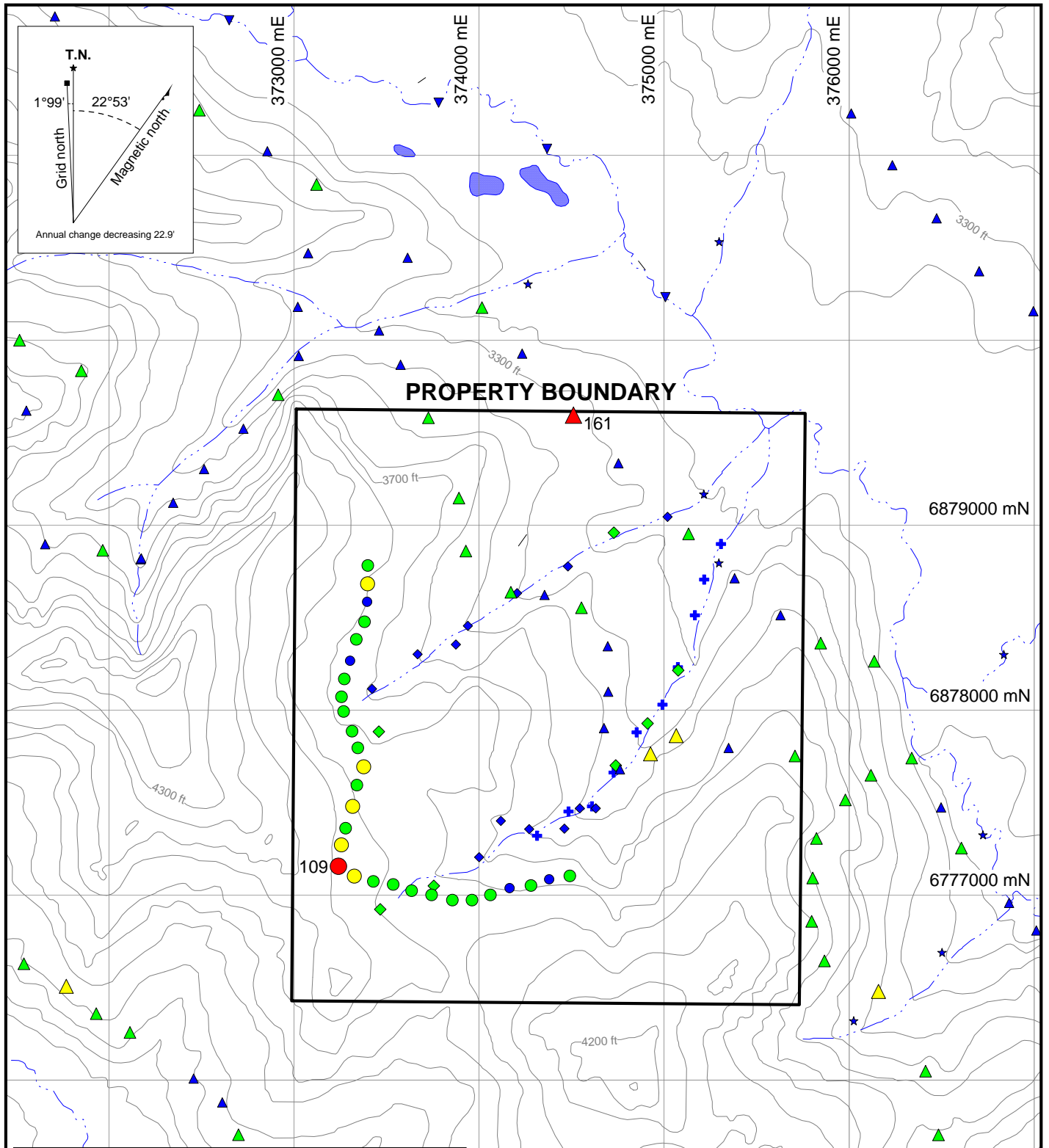
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FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ARSENIC GEOCHEMISTRY  
 III PROPERTY**



UTM ZONE 8, NAD 83, 1151/03



- |                          |                    |
|--------------------------|--------------------|
| 2011 Sieve Silt Cu (ppm) | RGS Cu (ppm)       |
| + 0 ≥ 10                 | * 0 ≥ 20           |
| 2010 Soil Cu (ppm)       | 1975 Soil Cu (ppm) |
| ● 100 ≥ 109              | ▲ 100 ≥ 161        |
| ● 50 ≥ 100               | ▲ 50 ≥ 100         |
| ● 20 ≥ 50                | ▲ 20 ≥ 50          |
| ● 0 ≥ 20                 | ▲ 0 ≥ 20           |
| 2010 Silt Cu (ppm)       | 1969 Silt Cu (ppm) |
| ◆ 20 ≥ 30                | ▼ 0 ≥ 20           |
| ◆ 0 ≥ 20                 |                    |

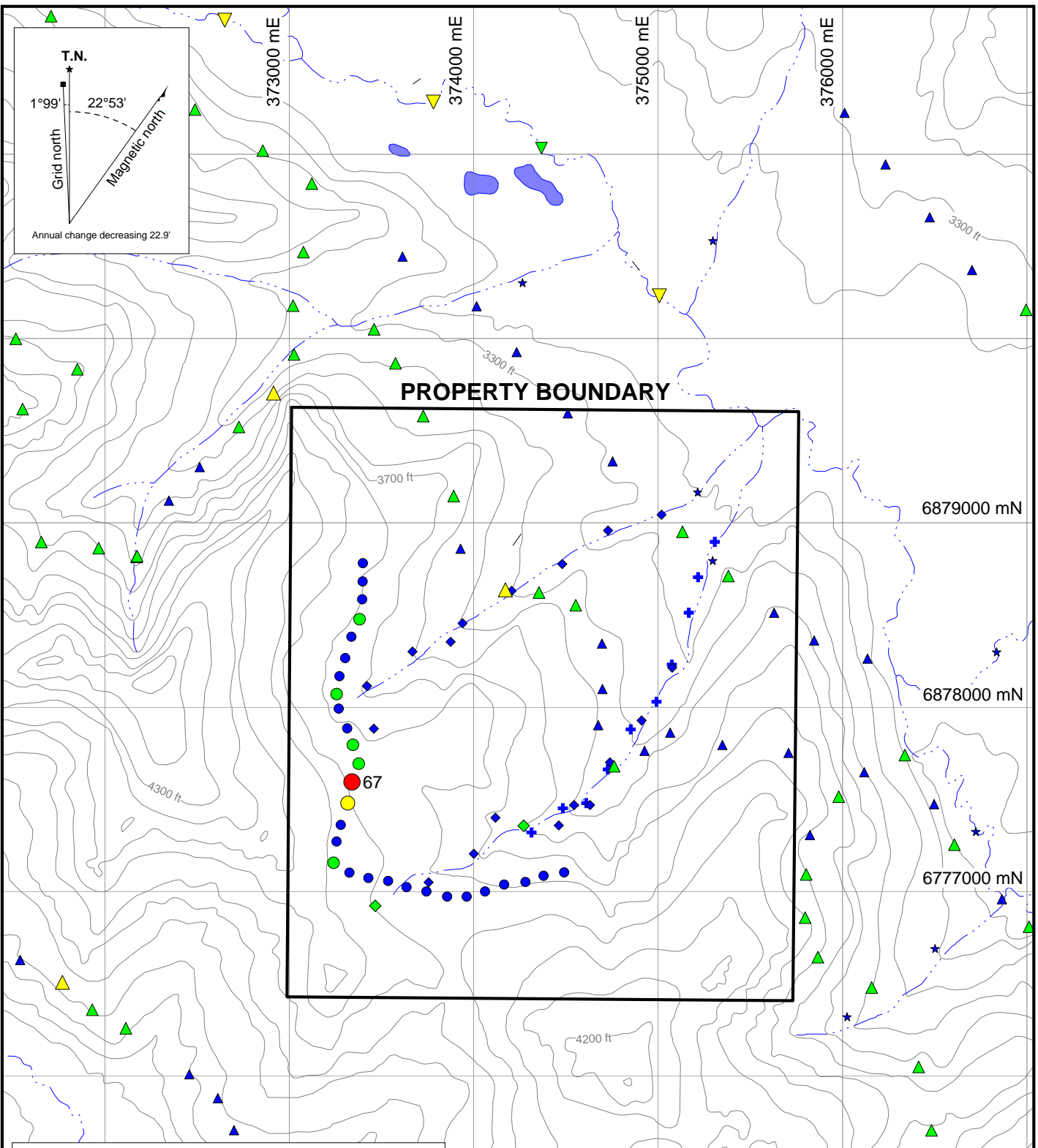
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FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
III PROPERTY

0    1.0    2.0 km

UTM ZONE 8, NAD 83, 115I/03

FILE: ...2011/III/F\_8\_Copper\_Geochemistry.wor      DATE: MARCH 2012



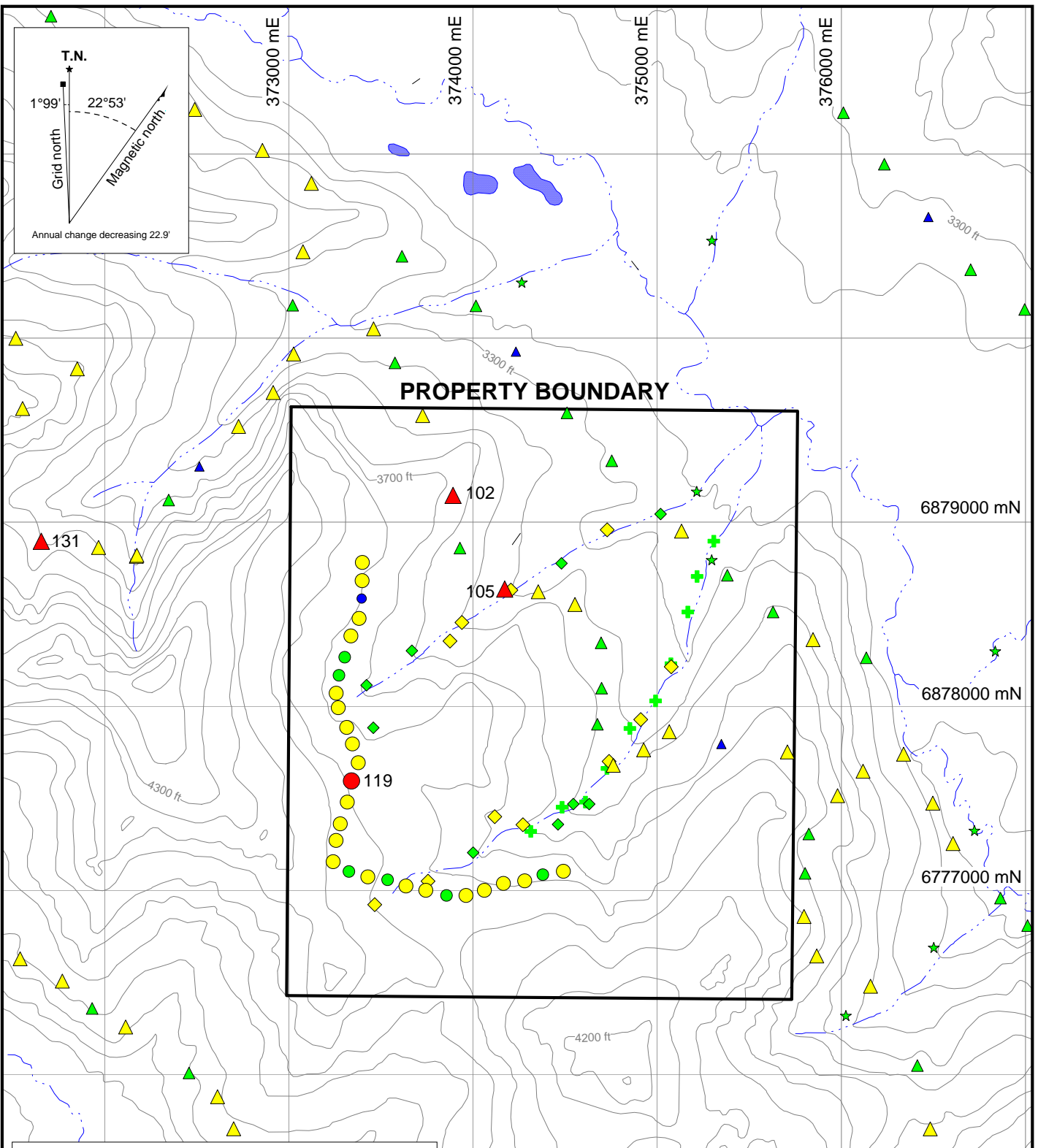
2011 Sieve Silt Pb (ppm)	RGS Pb (ppm)
+ 0 ≥ 10	★ 0 ≥ 10
2010 Soil Pb (ppm)	1975 Soil Pb (ppm)
● 50 ≥ 67	▲ 20 ≥ 44
● 20 ≥ 50	▲ 10 ≥ 20
● 10 ≥ 20	▲ 0 ≥ 10
● 0 ≥ 10	
2010 Silt Pb (ppm)	1969 Silt Pb (ppm)
◆ 10 ≥ 12	▼ 20 ≥ 33
◆ 0 ≥ 10	▼ 10 ≥ 20
	▼ 0 ≥ 10

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FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
 III PROPERTY

0 1.0 2.0 km  
 UTM ZONE 8, NAD 83, 1151/03  
 FILE: ...2011/III/F\_9\_Lead\_Geochemistry.wor DATE: MARCH 2012





<b>2011 Sieve Silt Zn (ppm)</b>	<b>RGS Zn (ppm)</b>
☆ 20 ≥ 34	☆ 20 ≥ 45
★ 0 ≥ 20	★ 0 ≥ 20
<b>2010 Soil Zn (ppm)</b>	<b>1975 Soil Zn (ppm)</b>
● 100 ≥ 119	▲ 100 ≥ 131
○ 50 ≥ 100	▲ 50 ≥ 100
○ 20 ≥ 50	▲ 20 ≥ 50
○ 0 ≥ 20	▲ 0 ≥ 20
<b>2010 Silt Zn (ppm)</b>	
◇ 50 ≥ 71	
◇ 20 ≥ 50	
◇ 0 ≥ 20	

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FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY**  
 III PROPERTY

0 1.0 2.0 km  
 UTM ZONE 8, NAD 83, 115I/03  
 FILE: ...2011/III/F\_10\_Zinc\_Geochemistry.wor DATE: MARCH 2012

areas and for the evidence of quartz-feldspar porphyry dykes, sills and/or breccias, which are significant mineralizers at nearby properties.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Mitchell, B.Sc., Geology

## REFERENCES

- Cathro, R.J.  
 1974 Regional Exploration in the Dawson Range District, Yukon for Klotassin Joint Venture. Internal report prepared by Archer, Cathro & Associates Ltd.
- 1976 1975 Regional Exploration in the Dawson Range District, Yukon for Klotassin Joint Venture; Internal report prepared by Archer, Cathro & Associates Limited.
- Duk-Rodkin, A.  
 1999 Glacial limits map of Yukon Territory; Geological Survey of Canada, Geoscience Map 1999-2.
- Friske, P.W.B., Hornbrook, E.H.W., Lynch, J.J., McCurdy, M.W., Gross, H., Galletta, A.C. and Durham, C.C.  
 1985 Regional stream sediment and water geochemical reconnaissance data (115I); Geological Survey of Canada, Open File 1101.
- Gordey, S.P. and Makepeace, A.J. (compilers)  
 2003 Yukon digital geology, version 2.0; Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).
- Templeman-Kluit, D.J.  
 1974 Geology Snag, Yukon Territory (cartographic material); Geological Survey of Canada, Map 16-1973, NTS 115J.

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

## **STATEMENT OF QUALIFICATIONS**

I, Andrew Mitchell, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2010 with a B.Sc. in Earth and Environmental Sciences.
2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.
3. I have interpreted all data resulting from this work.

A. Mitchell, B.Sc., Geology

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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Joan Mariacher
Receiving Lab: Canada-Whitehorse
Received: August 09, 2011
Report Date: September 12, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001030.1

CLIENT JOB INFORMATION

Project: III
Shipment ID:
P.O. Number
Number of Samples: 10

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Contains 3 rows of sample preparation data.

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT-SOIL Immediate Disposal of Soil Reject

ADDITIONAL COMMENTS

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

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

CC: Heather Smith



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



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

www.acmelab.com

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

Project: III  
 Report Date: September 12, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001030.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
550058	Soil	0.22	4.61	2.27	24.9	23	5.3	4.0	149	1.21	2.2	0.4	0.6	2.6	14.0	0.03	0.13	0.04	31	0.35	0.087
550059	Soil	0.12	3.09	1.80	22.0	15	4.3	2.6	103	0.91	1.5	0.3	0.3	2.2	12.5	0.04	0.08	0.03	23	0.28	0.060
550060	Soil	0.14	4.52	1.62	21.5	25	4.9	3.0	128	1.05	1.7	0.4	1.6	2.5	12.0	0.03	0.09	0.12	26	0.29	0.062
550061	Soil	0.22	9.03	2.45	33.7	33	7.9	4.8	214	1.37	2.8	0.4	1.1	1.6	17.3	0.05	0.15	0.05	32	0.34	0.053
550062	Soil	0.17	5.87	1.86	24.8	21	5.8	3.5	147	1.06	2.2	0.3	0.7	1.8	14.3	0.03	0.11	0.04	25	0.29	0.056
550063	Soil	0.16	6.14	1.92	25.5	21	6.2	3.6	158	1.07	2.4	0.3	0.2	1.6	14.7	0.04	0.12	0.03	24	0.30	0.049
550064	Soil	0.23	8.68	2.52	32.7	29	8.0	5.0	211	1.41	2.9	0.4	0.6	1.6	17.4	0.05	0.15	0.04	32	0.32	0.049
550065	Soil	0.13	7.23	2.18	32.0	25	6.2	4.0	160	1.26	2.1	0.3	0.2	1.7	15.3	0.05	0.11	0.03	32	0.31	0.058
550066	Soil	0.13	5.81	1.73	27.6	31	5.7	3.4	127	1.00	1.8	0.3	<0.2	1.8	14.6	0.04	0.11	0.09	24	0.31	0.060
550067	Soil	0.16	6.09	2.21	26.4	24	5.3	3.7	174	1.26	3.0	0.4	1.8	2.1	13.9	0.04	0.13	0.05	30	0.30	0.064





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

Project: III  
 Report Date: September 12, 2011

Page: 2 of 2 Part 2

# CERTIFICATE OF ANALYSIS

WHI11001030.1

	Method	1F30																	
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
550058	Soil	9.9	10.8	0.21	50.0	0.037	<1	0.55	0.012	0.04	0.4	1.4	0.04	<0.02	37	<0.1	<0.02	2.2	
550059	Soil	7.7	8.3	0.20	43.2	0.029	<1	0.48	0.013	0.04	0.2	1.1	0.03	<0.02	11	<0.1	<0.02	1.9	
550060	Soil	9.1	10.5	0.22	49.7	0.032	<1	0.57	0.013	0.04	0.4	1.1	0.05	<0.02	30	0.1	<0.02	1.9	
550061	Soil	6.9	14.3	0.34	74.3	0.043	<1	0.89	0.017	0.07	0.1	1.8	0.07	<0.02	13	0.2	<0.02	2.7	
550062	Soil	6.9	10.7	0.25	56.1	0.034	<1	0.66	0.015	0.05	<0.1	1.5	0.05	<0.02	10	<0.1	<0.02	2.1	
550063	Soil	6.3	10.7	0.26	55.3	0.033	<1	0.68	0.016	0.05	<0.1	1.4	0.05	<0.02	12	0.2	<0.02	2.2	
550064	Soil	6.5	14.1	0.34	72.6	0.044	<1	0.89	0.017	0.07	<0.1	1.9	0.07	<0.02	16	0.1	0.02	2.8	
550065	Soil	7.2	12.7	0.27	66.6	0.042	<1	0.77	0.016	0.06	0.1	1.5	0.05	<0.02	9	0.1	<0.02	2.6	
550066	Soil	7.2	11.2	0.26	62.2	0.035	<1	0.67	0.014	0.05	0.1	1.4	0.04	<0.02	13	<0.1	0.02	2.3	
550067	Soil	8.2	11.2	0.26	62.9	0.036	<1	0.70	0.014	0.05	0.1	1.5	0.05	<0.02	33	0.1	<0.02	2.3	



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Project: III

Report Date: September 12, 2011

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QUALITY CONTROL REPORT

WHI11001030.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
550058	Soil	0.22	4.61	2.27	24.9	23	5.3	4.0	149	1.21	2.2	0.4	0.6	2.6	14.0	0.03	0.13	0.04	31	0.35	0.087
REP 550058	QC	0.19	4.13	2.06	22.8	20	4.7	3.5	135	1.22	1.8	0.3	6.7	2.4	12.5	0.03	0.13	0.04	31	0.32	0.079
Reference Materials																					
STD DS8	Standard	12.80	91.14	121.2	291.6	1713	35.4	7.0	594	2.37	22.2	2.4	108.3	6.0	63.6	1.95	4.61	5.48	40	0.70	0.071
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

WHI11001030.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																		
550058	Soil	9.9	10.8	0.21	50.0	0.037	<1	0.55	0.012	0.04	0.4	1.4	0.04	<0.02	37	<0.1	<0.02	2.2
REP 550058	QC	8.9	9.3	0.20	43.8	0.033	<1	0.56	0.012	0.04	0.4	1.2	0.04	<0.02	26	<0.1	<0.02	2.1
Reference Materials																		
STD DS8	Standard	14.1	117.3	0.59	235.7	0.100	2	0.91	0.092	0.41	3.0	1.8	5.32	0.16	201	4.9	5.10	4.9
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

Statement of Expenditures  
III 1- 42 Mineral Claims  
February 27, 2012



095-58

Labour

H. Smith (geologist) July 2011 – 1 hour @ \$90/hour	\$ 100.80
A. Mitchell (geologist) February 2012 – 4 hours @ \$62/hour	277.76
J. Lowey (field assistant) August 2011 – 1 day @ \$408/day	456.96
V. Camp (field assistant) August 2011 – 1 day @ \$376/day	421.12
M. Down (field assistant) August 2011 – 1 day @ \$344/day	385.28
K. Punnett (field assistant) August 2011 – 1 day @ \$344/day	<u>385.28</u>
	2,027.30

Expenses

Field room and board – 4 mandays @ \$125/manday	560.00
Capital Helicopters – 2.5 hours Bell 206B @ \$1025/hour + fuel	2,690.63
Acme Labs	<u>628.70</u>
	3,879.33

Total \$5,906.53