

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING, PROSPECTING AND GEOLOGICAL MAPPING

Field work performed on June 14, 2013

at the

TOP PROPERTY

Top 1-20	YB53070-YB53089
21-24	YC04762-YC04765
25-50	YD33581-YD33606
51-94	YE67251-YE67294

NTS 116B/04

Latitude 64°11'N; Longitude 139°50'W

located in the

Dawson Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD

by

X. Montague, BSc (Hons), GIT

November 2013

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INTRODUCTION

The Top property is a volcanogenic massive sulphide (VMS) prospect located in western Yukon Territory. It is owned 100% by Strategic Metals Ltd.

The report describes a geochemical sampling, prospecting and geological mapping program conducted on June 14, 2013 by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author participated in and interpreted all data results from this work, and her Statement of Qualifications appears in Appendix I. A Statement of Expenditures is located in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Top property consists of 94 contiguous mineral claims located in western Yukon at latitude 64°11' north and longitude 139°50' west on NTS map sheet 116B/04 (Figure 1). The property covers an area of approximately 1900 ha (1.9 sq. km) and is located in the Tr'ondëk Hwëh'in traditional territory. The claims are registered with the Dawson Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. 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>
Top 1-20	YB53070-YB53089	March 4, 2017
21-24	YC04762-YC04765	March 4, 2017
25-50	YD33581-YD33606	March 4, 2017
51-94	YE67251-YE67294	March 4, 2017

* Expiry dates do not include 2013 work, which has not yet been filed for assessment credit.

The Top property straddles the Top of the World Highway, 22 km by road northwest of Dawson City. In 2013, the crew camped at Strategic Metals' Mick Property, which lies on the Clinton Creek Road, 52 km further to the northwest.

Neither the property nor the access route overlie first nation settlement land.

PREVIOUS WORK

There is no public record of any exploration work done in the Top area prior to 1995. In 1996, Nordac Resources Ltd. staked the Top 1-20 claims and carried out a short prospecting and soil sampling program (Carne, 1996). That same year Cominco Ltd. staked the Floc claims nearby and performed helicopter-borne magnetic and electromagnetic surveys and contour soil and silt sampling (Pride, 1996). Both programs were conducted to evaluate the potential for VMS mineralization.

In 1997, Nordac continued exploration with soil sampling, prospecting, geological mapping and excavator trenching (Heaton and Carne, 1997). Permafrost hampered the trenching program so proposed trenches were pre-stripped to allow frost retreat (Carne, 1999). Completion of the

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

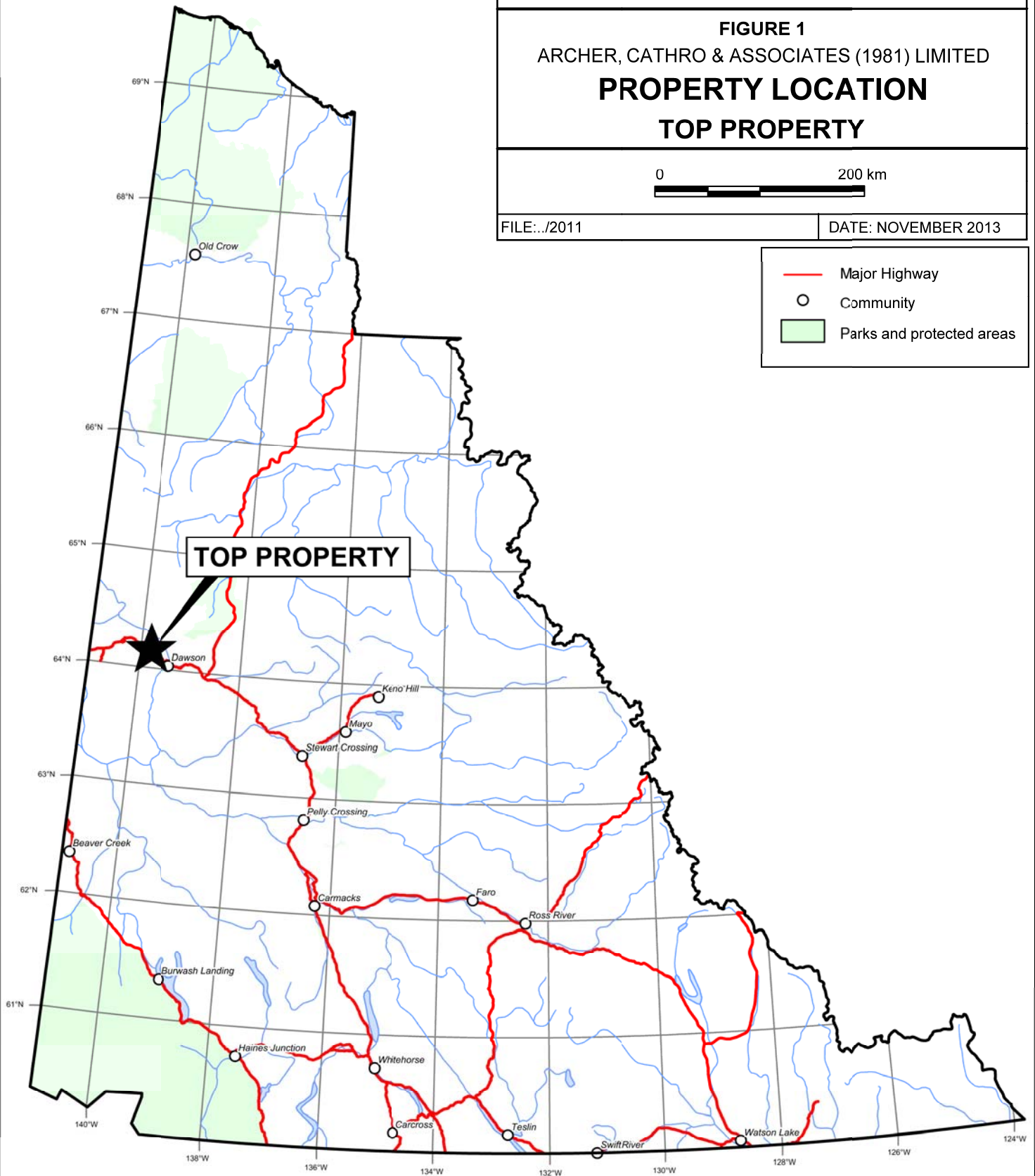
TOP PROPERTY

0 200 km

FILE:../2011

DATE: NOVEMBER 2013

- Major Highway
- Community
- Parks and protected areas



excavator trenches was planned in 1998, but this work was not done. Nordac was subsequently rolled back and renamed Strategic Metals.

In 2007, helicopter-borne VTEM and magnetometer surveys were carried out on the Top claims by Geotech Ltd. of Aurora, Ontario on behalf of Strategic Metals (Wengzynowski, 2007).

In 2010, Archer Cathro performed a short soil sampling program on behalf of Strategic Metals.

Between March 2010 and August 2011, the property was expanded to its current size.

In 2011, six percussion drill holes totalling 419.76 m were completed to test beneath Nordac's 1997 trenches. Highlights of this work are discussed in 2011 Percussion Drilling section.

GEOMORPHOLOGY

The Top property is located in the Klondike Plateau, an area where creeks have eroded deep dendritic drainages into a Pleistocene peneplain leaving a ridge, whose crest probably lies close to the original surface of the peneplain. The main areas of interest lay along the ridge which extends down the centre of the property. Because the area is unglaciated, oxidation and leaching of metals likely reaches depths of 20 m or more along the ridge crest. The remainder of the property lies on the flanks of the ridge. Elevations range from about 1225 m on the ridge crest to 640 m in a creek bottom near the northwest property boundary.

Upper parts of the property are covered with a thin layer of frost-heaved felsenmeer and residual soils, while lower elevations are blanketed by an unknown thickness of geliflucted regolith and loess. Tree line is about 1070 m in the area. The ridge in the central and south-eastern parts of the property is mostly above tree line and is lightly vegetated with scrub brush and moss, while the lower elevation areas support a mixture of deciduous and evergreen forest.

REGIONAL GEOLOGY

The Top property is located in the Klondike segment of Yukon-Tanana Terrane (YTT). YTT underlies a vast area that lies west of autochthonous North America in central Yukon and Alaska (Figure 3). The sequence is geologically complex, recording the tectonic incorporation of a Paleozoic volcanic and magmatic arc with its basement sequence onto the outboard edge of the northern Cordillera. It consists of a series of highly strained metavolcanic and metasedimentary rocks that have undergone polyphase deformation. Restoration of Late Cretaceous and Tertiary movement along the Tintina Fault juxtaposes the Klondike segment of YTT against the Finlayson Lake District, which contains the Kudzu, Ze Kayah, GP4F, Wolverine and Fyre Lake VMS deposits. These deposits are hosted by Late Devonian to Mississippian metavolcanic and metasedimentary rocks. A number of VMS showings have been discovered on the southwest side of the Tintina Fault, but no deposits have been discovered.

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

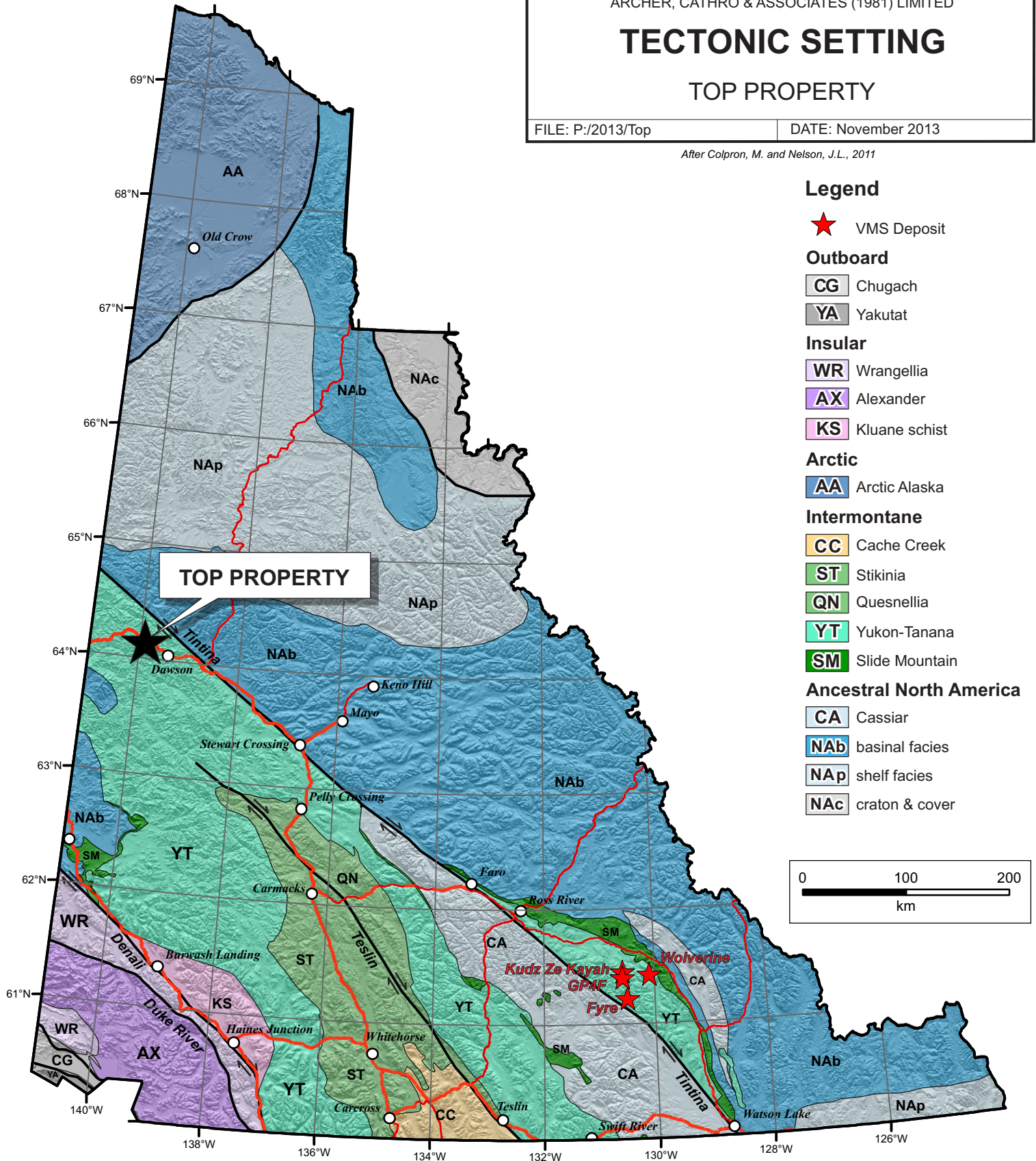
TECTONIC SETTING

TOP PROPERTY

FILE: P:/2013/Top

DATE: November 2013

After Colpron, M. and Nelson, J.L., 2011



PROPERTY GEOLOGY

The Top property is underlain by the Permian Klondike Schist Assemblage and unfoliated felsic intrusive rocks. The Klondike Schist is a sequence of metavolcanic and lesser metasedimentary rocks consisting of muscovitic and/or chloritic quartzite, quartz-muscovite-chlorite schist, quartz and/or feldspar augen-bearing quartz-muscovite $\pm$ chlorite schist, augen gneiss and amphibolite. These rocks are assigned to the Klondike Schist Assemblage by Colpron (2006). Compositional layering in the metamorphic rocks on the property is subparallel to foliation, which dips gently to the south on a regional-scale, but undulates locally. Unfoliated intrusive rocks comprising a quartz-feldspar porphyry stock and chlorite altered dykes intrude the Klondike Schist (Figure 4). Table I describes lithological units observed on the property.

Table I – Lithological units at the Top property
(modified from Carne, 1999)

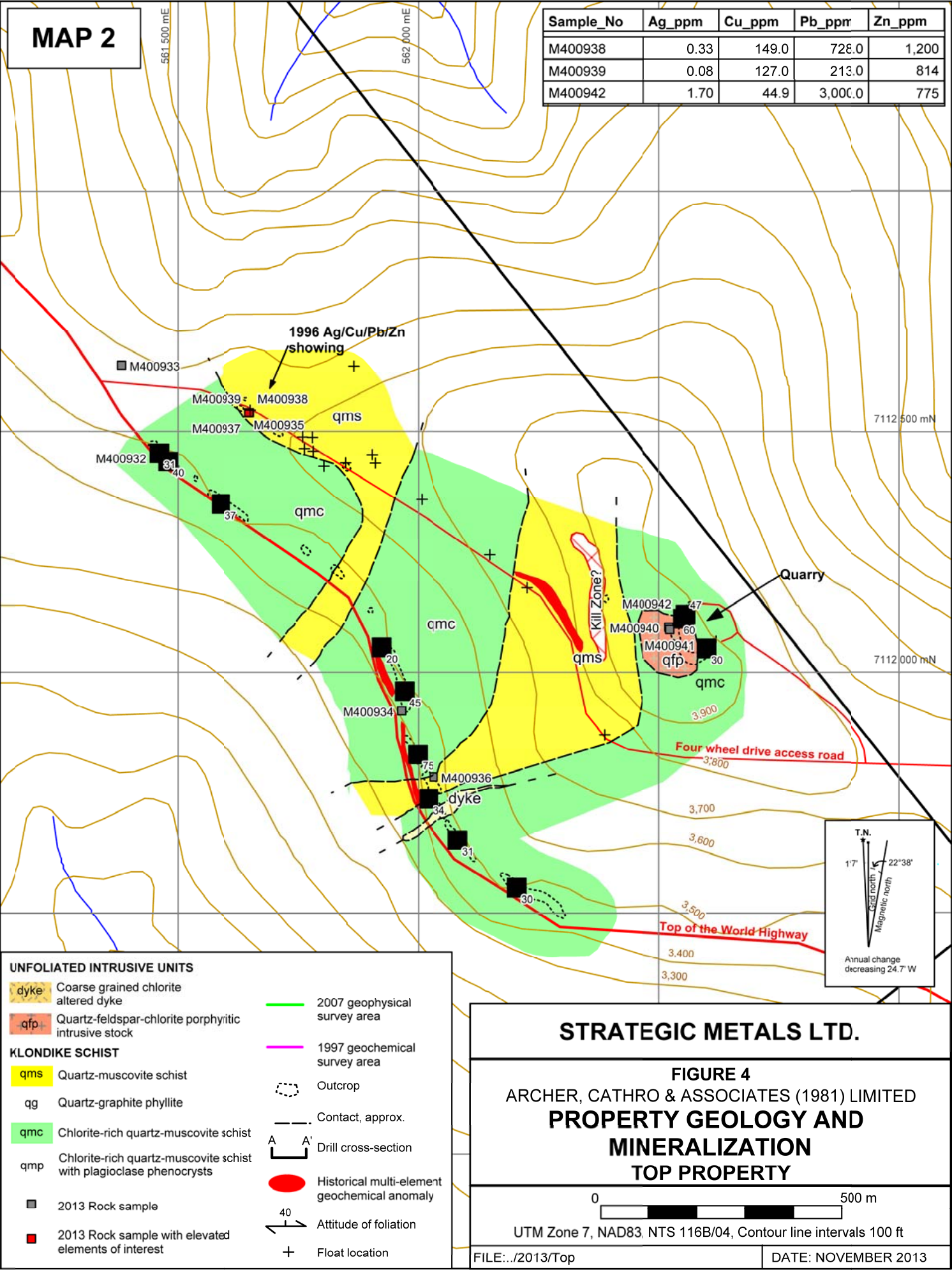
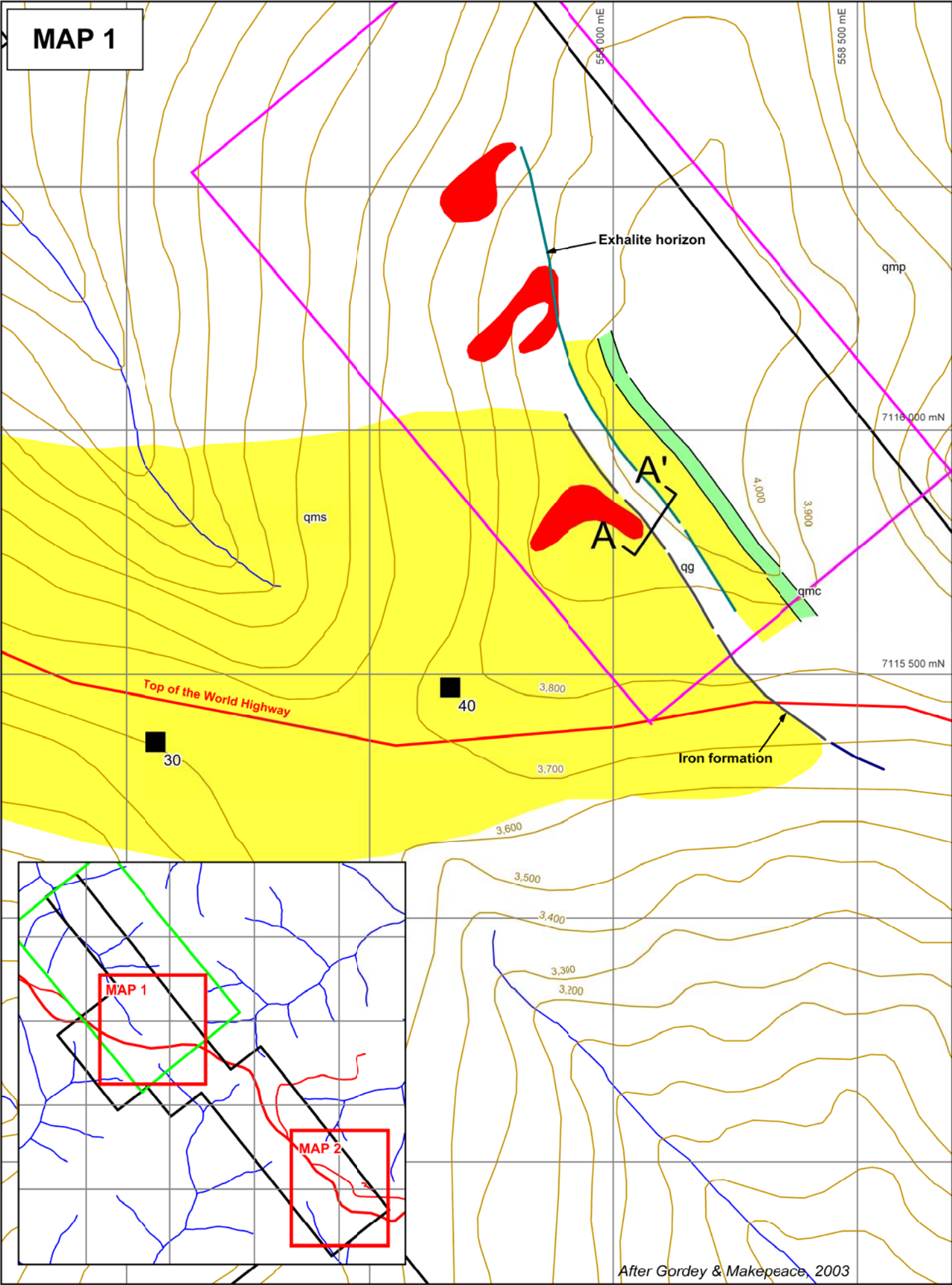
Regional Unit	Unit	Description
Unknown, unfoliated intrusive units	dyke	Coarse grained, chlorite altered dyke
	qfp	Quartz-feldspar-chlorite intrusive stock
Klondike Schist	qms	Quartz-muscovite schist
	qg	Quartz-graphite phyllite
	qmc	Chlorite-rich quartz-muscovite schist
	qmp	Chlorite-rich quartz-muscovite schist with plagioclase porphyroblasts

MINERALIZATION

In the central part of the Top property, surveys conducted by Nordac in 1996 show strong multi-element geochemical anomalies. These appear to reflect a source hosted within a sequence of felsic metavolcanic rocks that includes an iron oxide-rich unit exposed in a road cut along the Top of the World Highway (Map 1, Figure 4). Cominco geologists located oxidized massive sulphide float cobbles that returned anomalous silver (3.4 ppm), copper (47 ppm), lead (1700 ppm) and zinc (3960 ppm) in another road cut in the south-eastern part of the Top property (Map 2, Figure 4).

Excavator trenches dug by Nordac in 1997 exposed a metamorphosed andesitic to rhyolitic succession that is capped with a completely oxidized and probably leached, 70 cm thick barium, manganese and base metal enriched horizon. A channel sample of this material returned 250 ppm copper, 1980 ppm lead, 2830 ppm zinc, 4490 ppm manganese and 2190 ppm barium. The metalliferous horizon is overlain by siliceous graphitic phyllite and a thin layer of oxidized iron formation.

In 2013, a total of 11 rock samples were collected on the property (Figure 4). Rock sample sites were marked with flagging and recorded with hand-held GPS units. Rock samples were sent to ALS Minerals in Whitehorse where they were dried and fine crushed to better than 70% passing



2 mm before a 250 g split was pulverized to better than 85% passing 75 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analysed for 48 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are provided in Appendix III and rock sample descriptions are given in Appendix IV.

Three rock samples returned elevated levels of silver, copper, lead and/or zinc as shown on Map 2, Figure 4. The first sample (M400938) is from a quartz-rich pegmatite dyke with fine grained blebs of sphalerite and other intergrown sulphides; it returned 149 ppm copper, 728 ppm lead and 1200 ppm zinc. This dyke intruded a quartz-rich mica schist from which a sample (M400939) containing limonite filled pits along fine laminations returned 127 ppm copper and 814 ppm zinc, but low values for silver and lead. The final mineralized sample (M400942) was taken from a white to grey quartz vein hosting fine grained black and silver sulphides. It yielded 1.7 ppm silver, 44.9 ppm copper, 3000 ppm lead and 775 ppm zinc. This vein is found at the contact between the quartz-feldspar porphyry and the quartz-chlorite schist.

2011 PERCUSSION DRILLING

The 2011 drill program was design to test beneath the weakly mineralized, exhalite horizon that Nordac had identified near the centre of the property (Map 1, Figure 4). Six holes totalling 419.76 m were completed on a section line oriented perpendicular to geophysical, geochemical and geological trends (Figure 5).

Significant results from the drilling are summarized in Table II. The best results come from Top 11-05, where samples of strongly oxidized quartz-mica schist with milky quartz veins averaged 5.36 g/t silver, 0.15% lead, 0.04% copper, 0.06% zinc over 6.1 m (Smith and Avram, 2012).

The distribution of the mineralized intervals is consistent with shallow south-westerly dipping horizons, possibly wrapped around a fold nose, as shown on the cross section in Figure 5.

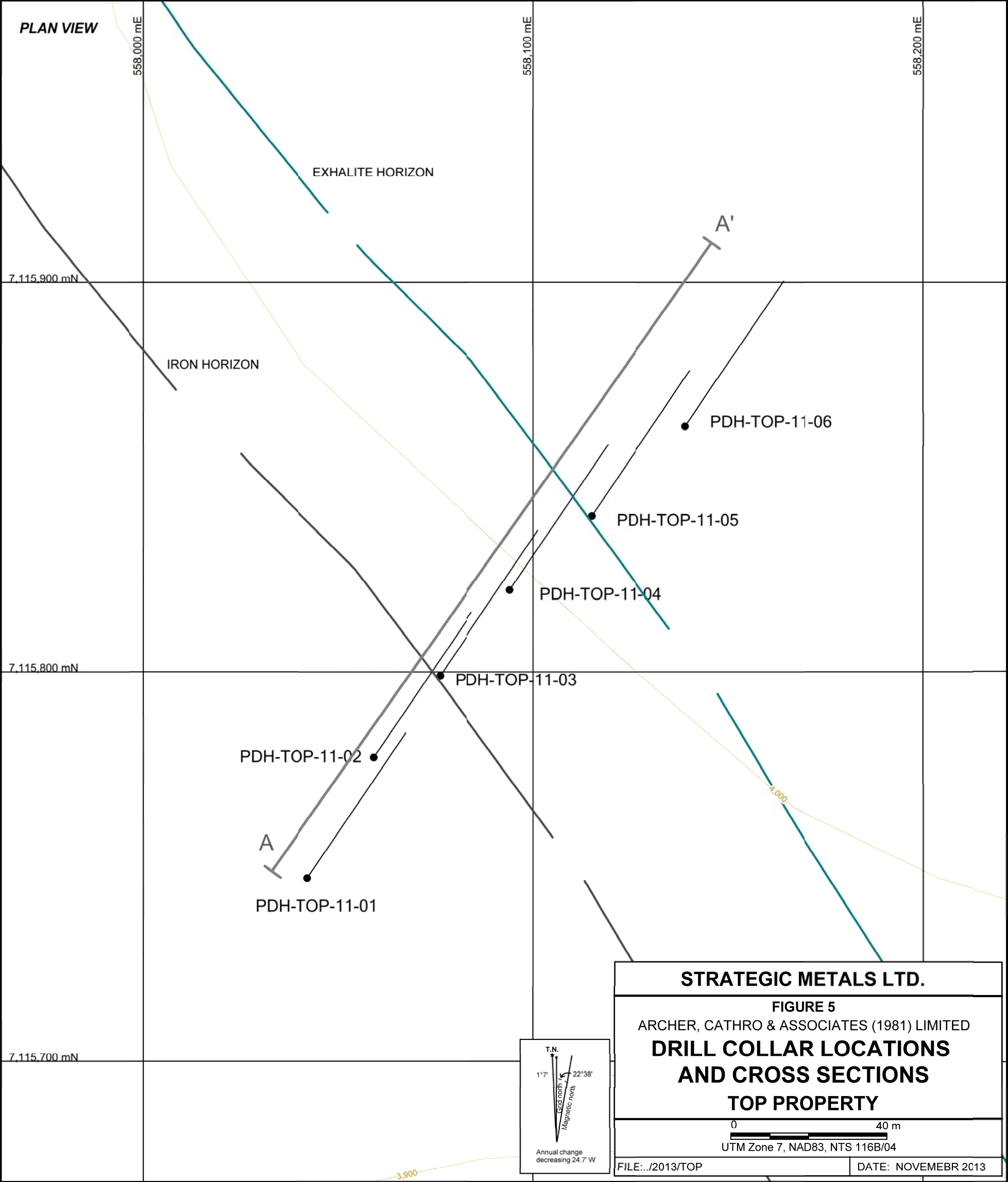
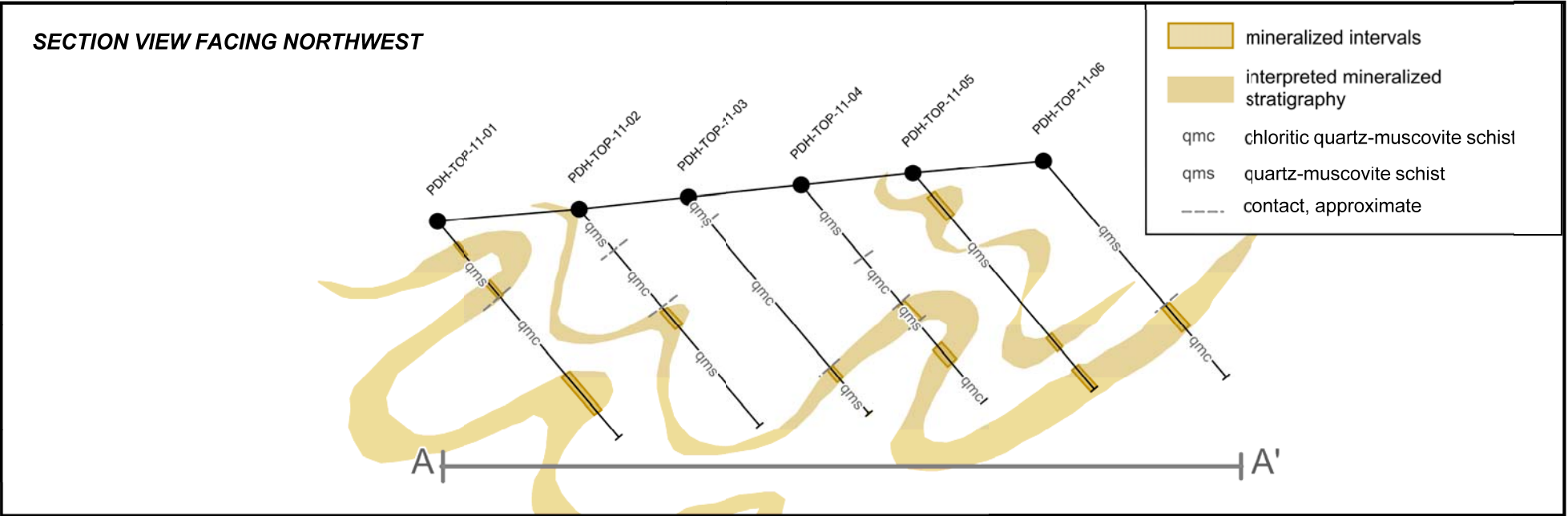


Table II – Significant Drill Hole Results

Hole ID	From (m)	To (m)	Interval (m)	Silver (g/t)	Lead (%)	Copper (%)	Zinc (%)
Top 11-01	21.34	22.86	1.52	0.54	0.05	0.003	0.02
Top 11-02	36.58	38.10	1.52	2.09	0.08	0.03	0.06
Top 11-03	56.39	57.91	1.52	0.69	0.03	0.006	0.003
Top 11-04	39.62	41.15	1.53	1.78	0.06	0.01	0.03
	53.34	54.86	1.52	1.16	0.16	0.01	0.08
Top 11-05	7.62	13.72	6.1	5.36	0.15	0.04	0.06
Top 11-06	47.24	48.77	1.52	1.4	0.009	0.09	0.04

GEOCHEMISTRY

In 2013, a total of 70 soil samples were collected from the Top property. The soil samples were taken at 50 m intervals along four widely-spaced lines. Sample locations and results for copper, lead and zinc are plotted on Figures 6 to 9, respectively.

Soil samples were collected from 30 to 60 cm deep holes dug by hand-held augers. All samples were placed into individually pre-numbered Kraft paper bags. Soil sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Sample locations were recorded using hand-held GPS units.

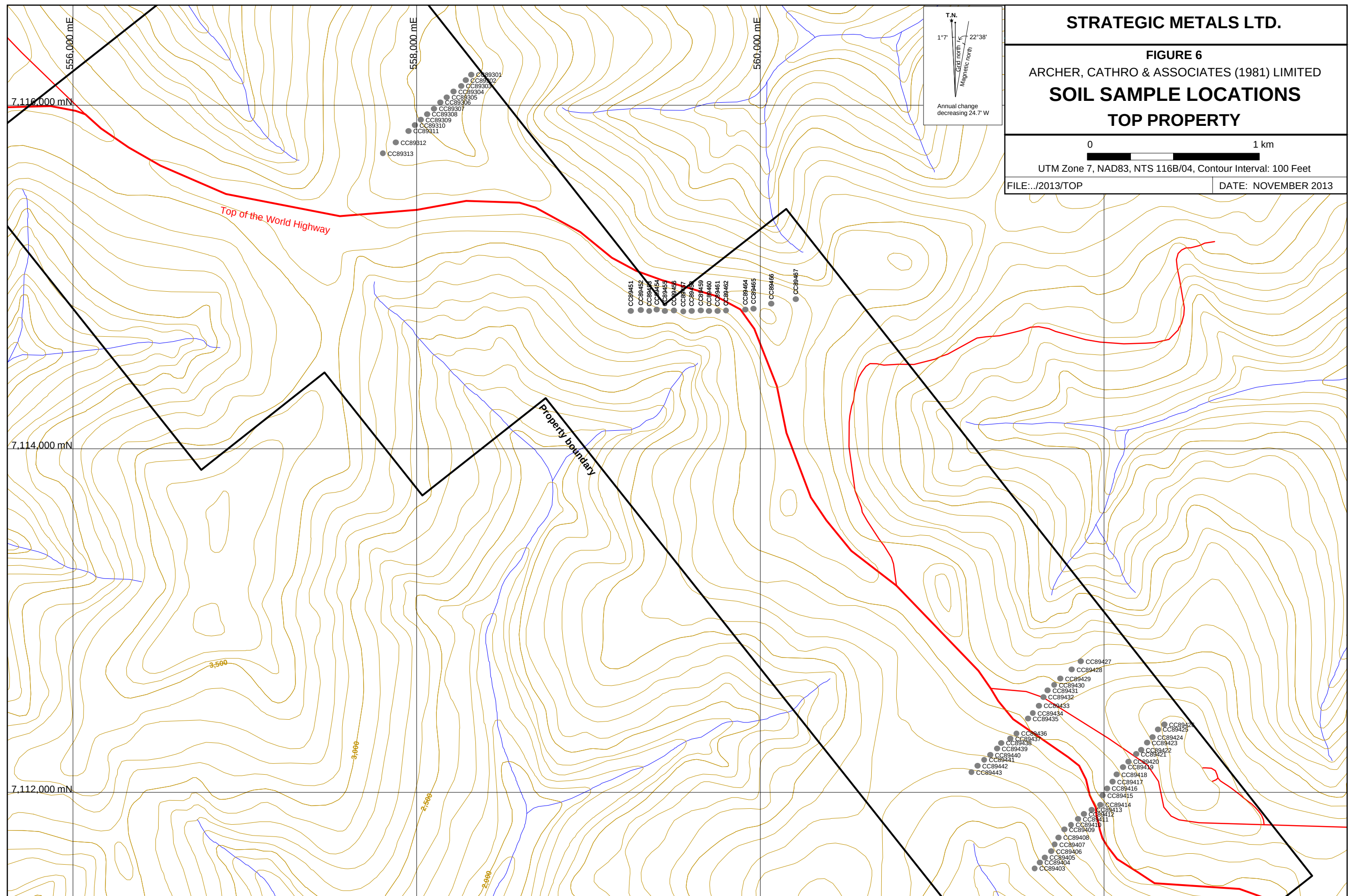
Soil samples were sent to ALS Minerals in Whitehorse where they were dried and screened to -180 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analysed for 48 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS61). An additional 30 g charge from each fine fraction was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21). Certificates of Analysis are provided in Appendix III.

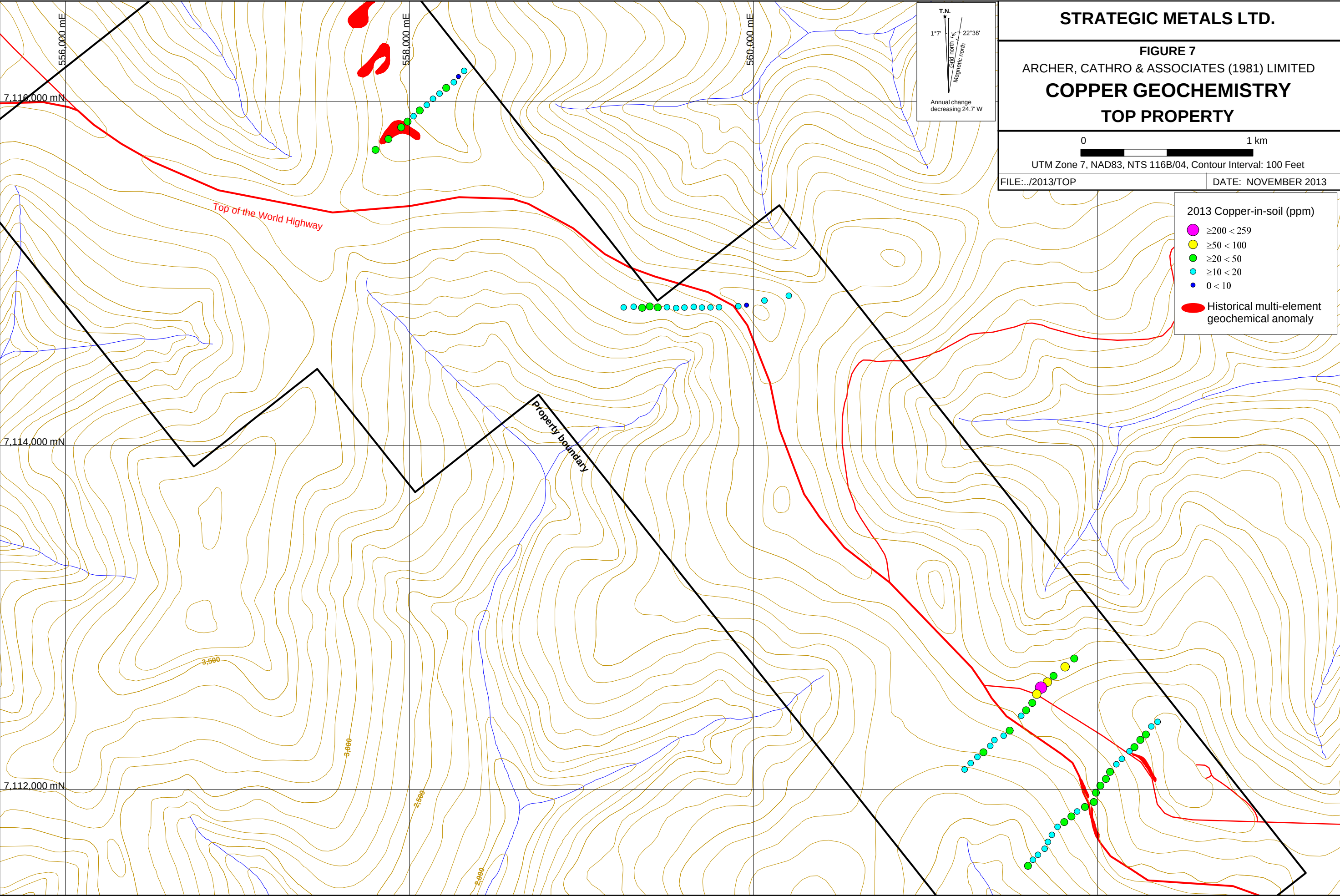
The best results from 2013 sampling were from two lines in the southeastern part of the property, where strings of samples yielded moderately to strongly anomalous copper (up to 259 ppm), lead (up to 1215 ppm) and zinc (up to 661ppm) values. These anomalies overlie felsic schist.

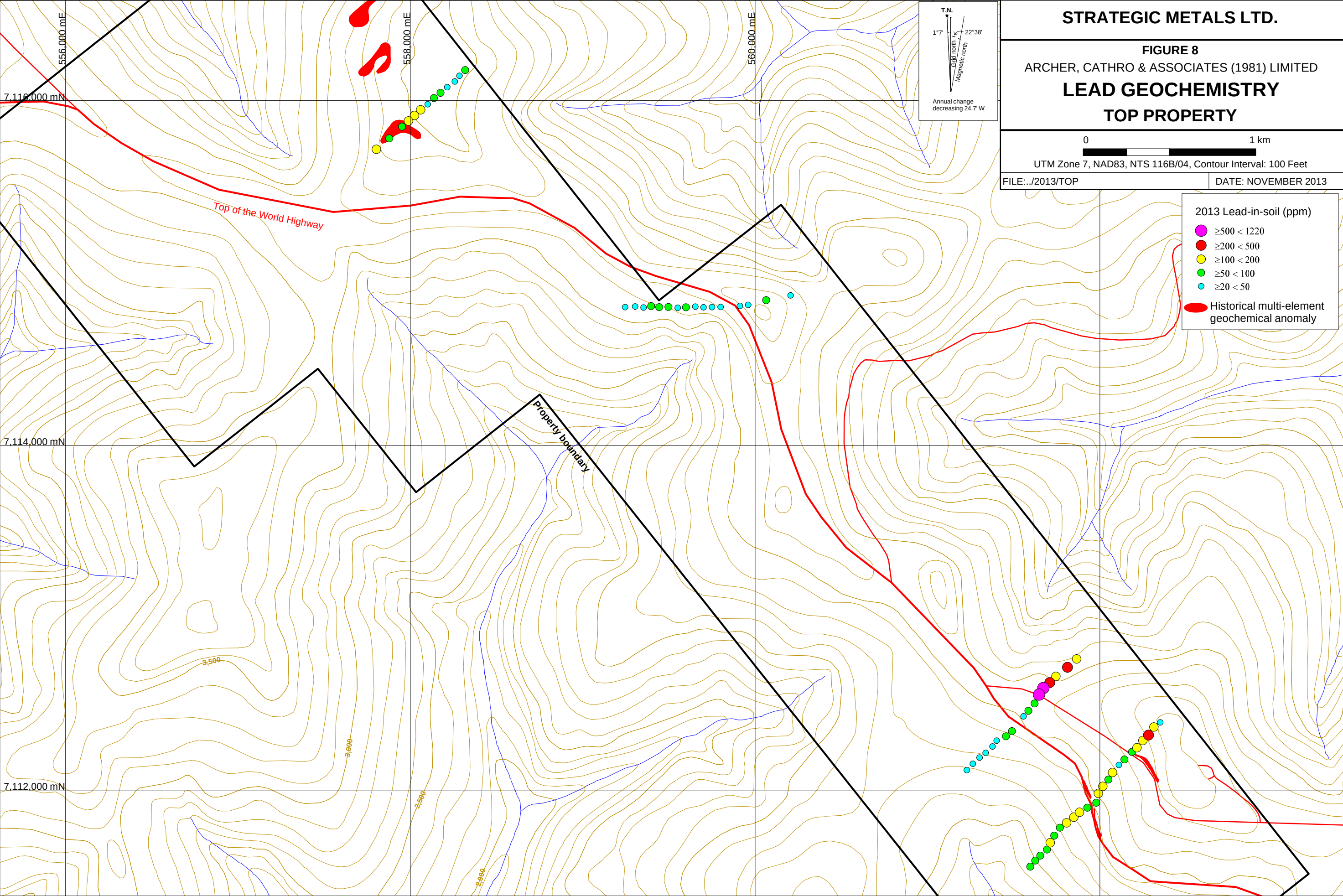
DISCUSSION AND CONCLUSIONS

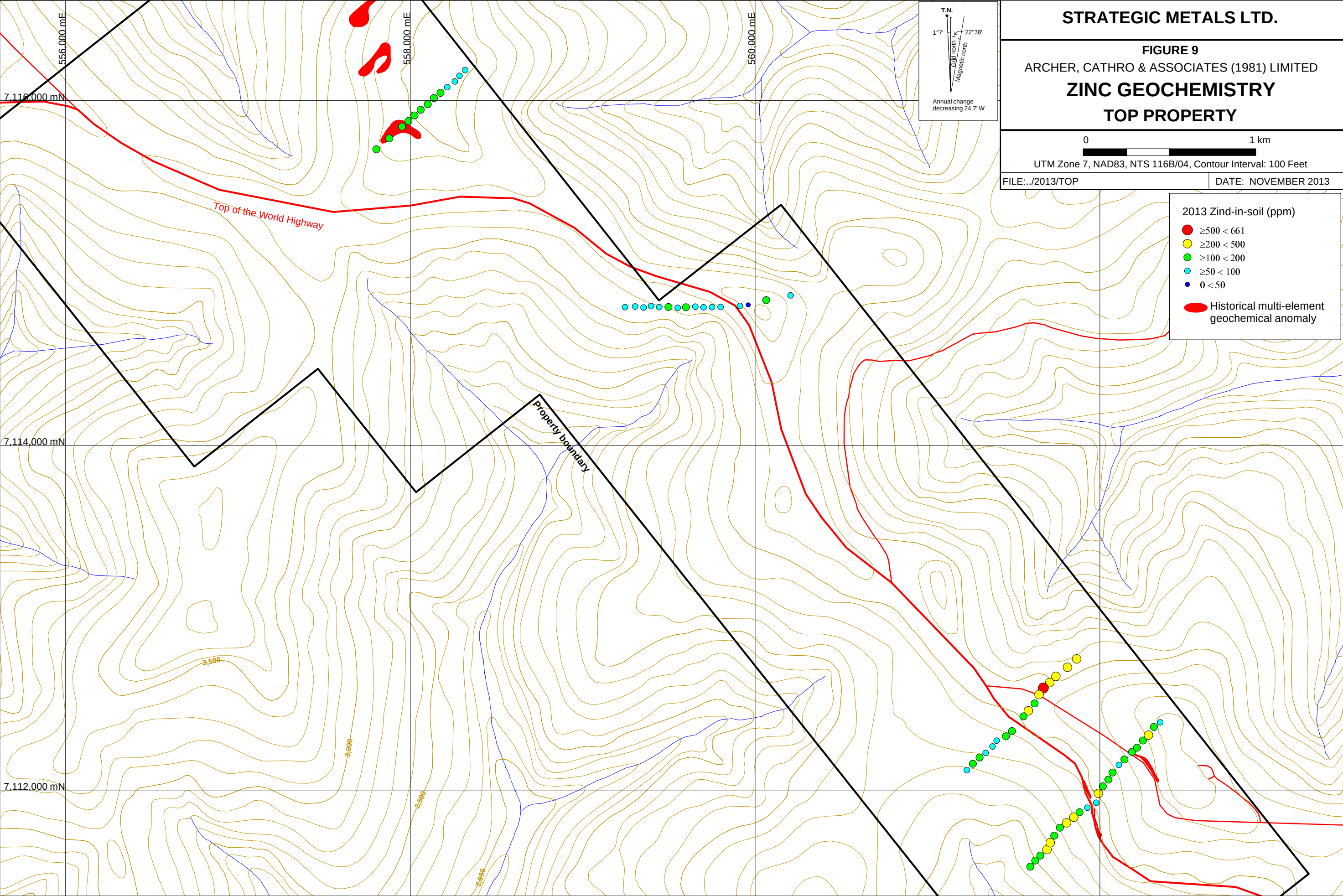
The Top area bears many stratigraphic and structural similarities to the Finlayson Lake District of southeast Yukon where a number of economically significant VMS occurrences have been discovered within the past two decades. Restoration of post Mid Cretaceous movement on the Tintina Fault places the well mineralized Finlayson Lake belt adjacent to the area where the Top property is located.

The 2013 work program was designed to confirm historical multi-element geochemical anomalies and re-examine strongly weathered and leached (?) VMS style mineralization previously found on the property. This program successfully identified elevated copper, lead and









zinc soil geochemical values in the undrilled southeastern part of the property. It also discovered mineralization in pegmatite dykes and quartz veins.

Historical Percussion drilling at one of the two known showings on the property confirmed the presence of metal enriched horizons; however, none of the intercepts were ore grade. Additional drilling will be required to determine the continuity of the VMS horizons along strike and down dip, and to search for areas of better grade mineralization. Reverse circulation drilling has proven to be more cost efficient than mechanized trenching to test for near surface mineralization in areas where there is frozen overburden. Unfortunately depth limitations for the percussion drill will require use of a diamond drill to test further down dip.

Closer-spaced geochemical sampling, geological mapping and prospecting are recommended to further delineate multi-element soil anomalies and areas of mineralization before more drilling is done.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in black ink, appearing to read 'X. Montague', is positioned above the printed name.

X. Montague, BSc (Hons), GIT

REFERENCES

- Carne, R. C.
 1996 Geochemical Survey Report on the Top Property; Assessment Report 093535.
 1999 Report on Excavator trenching on the Top Property; Assessment Report 093952.
- Colpron, M. (compiler)
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 2011 A Digital Atlas of Terranes for the Northern Cordillera; Accessed online from Yukon Geological Survey (www.geology.gov.yk.ca).
- Gordey, S.P. and Makepeace, A. J.
 2003 Yukon digital geology; Geological Survey of Canada, Open File 1749, and Yukon Geological Survey, Open File 2003-9(D).
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 1997 Report on Geochemical Survey and Trenching on the Top Property; Assessment Report 093765.
- Pride, K.R.
 1996 Combined Helicopter-Borne Magnetic and Electromagnetic Survey and Soil and Rock Geochemical Survey, Floc Property; Assessment Report 093478.
- Smith, H. and Avram, R.
 2012 Assessment report describing reverse circulation percussion drilling at the Top property for Strategic Metals Ltd.
- Wengzynowski, W.A.
 2007 VTEM Geophysical Survey on the Top Property; Assessment Report.

APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Xéna Montague, geologist, with business address in Whitehorse, Yukon Territory and in Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2012 with a BSc (Hons) in Geological Sciences.
2. From 2011 to present, I have been actively engaged as a geologist in mineral exploration in the Yukon Territory.
3. I am a registered Geologist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have personally participated in and supervised the field work reported herein and have interpreted all data resulting from this work.

A handwritten signature in black ink, appearing to read 'X. Montague', is positioned above the printed name.

X. Montague, BSc (Hons), GIT

APPENDIX II
STATEMENT OF EXPENDITURES

Statement of Expenditures
Top 1-94 Mineral Claims
October 10, 2013

Labour

D. Eaton – geologist – 5 hours May to November at \$120/hr	\$ 630.00
H. Burrell – geologist – 31 hours May to November	3,124.80
X. Montague – geologist – 63 hours May to November	4,762.80
D. Libman – field assistant	924.00
S. Wedge – field assistant	856.80
K. Gray – field assistant	756.00
S. Newman – office	260.40
L. Smith – office	<u>651.00</u>
	11,965.80

Expenses (including management)

Field room and board – 10 ¼ days at \$135/day	1,569.17
ALS Chemex	2,962.89
Driving Force – truck rental & fuel	<u>480.11</u>
	5,012.17

Total	<u>\$16,977.97</u>
-------	--------------------

Total 81 samples = \$209.60/sample

APPENDIX III
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **STRATEGIC METALS LTD.**

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

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

Page: 1

Finalized Date: 23-JUN-2013

Account: MTT

CERTIFICATE WH13110481

Project: TOP

P.O. No.:

This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL

SARAH DRECHSLER

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
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS61	48 element four acid ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish ICP-AES

To: **STRATEGIC METALS LTD.
ATTN: JOAN MARIACHER
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.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



ALS Canada Ltd.
 2103 Dollarton Hwy
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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **STRATEGIC METALS LTD.**
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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 23-JUN-2013
 Account: MTT

Project: TOP

CERTIFICATE OF ANALYSIS WH13110481

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS61 Ag ppm	ME-MS61 Al %	ME-MS61 As ppm	ME-MS61 Ba ppm	ME-MS61 Be ppm	ME-MS61 Bi ppm	ME-MS61 Ca %	ME-MS61 Cd ppm	ME-MS61 Ce ppm	ME-MS61 Co ppm	ME-MS61 Cr ppm	ME-MS61 Cs ppm	ME-MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
M400932		0.55	0.002	0.21	4.66	4.6	4200	1.07	0.18	0.18	0.90	83.7	0.6	19	9.50	5.2
M400933		0.21	0.001	0.04	0.40	3.9	280	0.17	0.33	0.02	<0.02	4.68	0.4	15	0.10	3.5
M400934		1.01	0.001	0.08	5.91	4.3	6860	1.27	0.04	0.03	0.17	36.7	1.3	8	2.50	3.0
M400935		0.16	0.001	0.85	4.93	24.4	1550	0.33	0.11	0.02	1.69	67.9	0.5	9	1.57	45.2
M400936		0.81	0.001	0.05	5.23	14.4	2690	0.62	0.06	0.03	0.33	74.0	0.2	17	3.49	14.1
M400937		0.18	0.001	0.13	6.49	6.2	1580	0.86	0.26	0.11	0.81	68.5	0.9	7	2.00	10.2
M400938		0.26	<0.001	0.33	5.85	1.2	1810	0.69	0.08	0.16	1.16	36.4	3.6	7	2.31	149.0
M400939		0.77	<0.001	0.08	6.58	1.9	1320	1.68	0.05	0.06	0.80	88.7	0.8	7	2.94	127.0
M400940		0.55	0.001	0.63	6.80	28.0	1170	1.98	0.26	0.02	0.04	148.0	0.5	5	4.86	14.0
M400941		0.68	0.001	0.30	6.81	5.3	1980	2.15	0.06	0.49	0.45	137.0	5.6	5	5.13	8.1
M400942		0.94	0.001	1.70	0.58	4.9	120	0.25	0.06	1.30	11.85	5.06	0.5	15	0.58	44.9



ALS Canada Ltd.
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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 23-JUN-2013
 Account: MTT

Project: TOP

CERTIFICATE OF ANALYSIS WH13110481

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
M400932		0.69	10.65	0.14	1.2	0.037	3.03	18.1	5.8	0.12	180	0.42	1.59	5.7	1.0
M400933		0.59	1.20	0.09	0.2	0.012	0.23	2.1	0.6	0.07	68	0.32	0.03	0.7	1.1
M400934		0.97	15.40	0.16	4.2	0.111	4.86	15.2	12.4	0.31	195	2.08	0.32	11.7	0.3
M400935		0.90	5.70	0.14	2.1	0.011	5.34	18.7	1.3	0.03	60	0.20	0.20	5.1	0.8
M400936		1.28	12.80	0.20	2.1	0.049	5.75	38.5	2.6	0.04	67	1.10	0.20	5.8	0.6
M400937		1.12	12.15	0.19	3.7	0.024	5.67	37.2	2.4	0.07	100	1.90	0.75	10.0	0.7
M400938		0.82	7.12	0.17	1.4	0.010	5.68	23.7	4.3	0.09	931	0.58	0.64	2.9	2.0
M400939		1.31	15.85	0.23	3.2	0.036	4.24	47.8	8.3	0.17	104	0.08	2.16	10.9	0.9
M400940		1.98	23.1	0.26	5.6	0.083	3.58	75.4	15.5	0.15	93	1.86	0.06	27.4	<0.2
M400941		3.90	22.3	0.27	6.8	0.092	4.95	66.8	18.1	0.23	2400	1.81	0.79	26.7	1.0
M400942		0.59	1.88	0.09	0.1	0.051	0.25	3.8	10.2	0.03	381	0.31	0.02	0.7	1.1



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CERTIFICATE OF ANALYSIS WH13110481

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
M400932		25.9	122.5	<0.002	<0.01	0.58	2.9	<1	1.9	60.7	0.49	<0.05	9.8	0.032	1.47	3.6
M400933		13.8	9.1	<0.002	0.01	0.14	0.6	<1	0.4	4.3	<0.05	<0.05	0.8	0.009	0.06	0.2
M400934		60.6	104.5	<0.002	0.09	0.93	5.3	<1	4.0	58.0	0.97	<0.05	18.4	0.045	1.25	4.0
M400935		63.3	89.3	<0.002	0.02	0.72	1.7	<1	1.0	20.6	0.44	<0.05	9.2	0.039	1.08	2.5
M400936		26.7	135.5	<0.002	0.01	2.91	3.1	<1	1.2	39.2	0.44	<0.05	13.8	0.031	1.83	1.8
M400937		173.5	106.0	<0.002	0.02	1.93	3.3	<1	2.3	33.1	0.79	<0.05	17.2	0.065	1.39	4.4
M400938		728	102.5	<0.002	<0.01	3.01	1.3	<1	0.6	26.3	0.34	<0.05	6.9	0.027	1.14	1.6
M400939		213	138.5	<0.002	0.01	1.99	3.7	<1	3.1	24.9	0.83	<0.05	17.9	0.072	0.87	3.5
M400940		27.9	189.5	<0.002	0.10	5.36	8.2	1	4.6	30.6	1.85	<0.05	27.5	0.252	1.37	6.0
M400941		52.6	184.0	<0.002	0.21	3.03	12.0	1	3.6	145.0	1.71	<0.05	21.8	0.346	1.97	5.0
M400942		3000	13.3	<0.002	0.02	5.97	0.6	<1	0.4	33.5	<0.05	<0.05	0.7	0.005	0.12	0.6



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CERTIFICATE OF ANALYSIS WH13110481

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
M400932		2	0.3	12.9	36	33.7
M400933		2	0.2	0.8	8	6.8
M400934		1	1.3	13.5	82	114.0
M400935		4	0.4	9.2	151	65.6
M400936		2	2.0	8.6	37	63.1
M400937		4	1.6	12.4	115	113.0
M400938		4	0.6	7.5	1200	43.2
M400939		4	3.6	14.1	814	102.5
M400940		13	2.1	30.1	36	197.0
M400941		13	2.1	54.2	277	281
M400942		1	0.2	4.9	775	2.9



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CERTIFICATE COMMENTS	
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P.O. No.:

This report is for 70 Soil samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2013.

The following have access to data associated with this certificate:

HEATHER BURRELL

SARAH DRECHSLER

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
ME-MS61	48 element four acid ICP-MS
Au-ICP21	Au 30g FA ICP-AES Finish ICP-AES

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH13110486

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
CC89301		0.23	0.003	0.12	7.48	7.3	2260	2.63	0.28	0.83	0.22	82.4	4.9	37	8.30	10.0
CC89302		0.28	0.003	0.08	7.61	6.4	2280	2.71	0.24	0.94	0.12	83.3	4.7	38	7.29	8.9
CC89303		0.32	0.003	0.09	7.16	10.7	1490	2.19	0.26	0.89	0.15	63.3	10.2	64	5.64	15.2
CC89304		0.16	0.004	0.16	7.50	7.5	2180	2.53	0.29	0.93	0.33	67.1	10.5	60	5.90	21.1
CC89305		0.20	0.002	0.14	8.00	5.9	3320	2.71	0.26	1.23	0.35	86.5	7.6	68	7.37	13.1
CC89306		0.22	0.002	0.12	7.23	8.0	1990	2.11	0.23	1.15	0.34	65.3	9.9	70	5.19	17.9
CC89307		0.25	0.005	0.12	6.83	12.8	1660	1.97	0.21	1.00	0.60	79.1	11.9	67	3.82	17.8
CC89308		0.34	0.003	0.50	7.52	9.5	2250	2.47	0.38	0.80	0.38	87.8	7.8	52	7.64	20.5
CC89309		0.26	0.003	0.16	7.38	7.6	2110	2.30	0.30	0.88	0.36	70.4	7.5	48	6.20	17.1
CC89310		0.22	0.001	0.32	7.20	10.4	1770	2.08	0.30	0.65	0.30	58.1	5.3	44	5.79	22.7
CC89311		0.21	0.003	0.34	7.64	6.5	3770	2.85	0.36	1.20	0.53	88.8	6.9	40	8.61	23.3
CC89312		0.23	0.002	0.17	7.44	7.3	3120	2.47	0.30	0.94	0.40	83.0	6.6	51	6.85	22.3
CC89313		0.21	0.005	0.32	7.70	25.7	2850	2.29	0.37	1.02	0.38	71.5	10.7	60	8.70	34.5
CC89403		0.10	0.002	0.69	7.46	10.7	1880	2.05	0.92	0.89	1.79	61.5	6.5	60	7.34	20.0
CC89404		0.42	0.003	0.36	7.10	11.9	1660	1.69	0.67	0.97	1.03	65.9	7.8	63	6.45	17.7
CC89405		0.23	0.003	0.33	6.77	9.3	1800	1.69	0.70	0.97	1.49	66.7	7.9	58	7.09	17.3
CC89406		0.24	0.004	0.31	7.19	9.2	1980	1.89	0.76	1.06	1.19	72.2	8.9	59	7.31	18.1
CC89407		0.16	0.003	0.48	6.62	8.9	1770	1.59	1.06	1.19	1.20	66.5	9.1	66	6.82	17.7
CC89408		0.24	0.003	0.17	6.93	9.2	1870	1.93	0.42	0.88	0.97	68.7	9.7	49	4.52	16.4
CC89409		0.30	0.002	0.25	6.78	13.1	1360	1.53	0.56	1.04	1.06	65.6	13.0	76	4.54	19.0
CC89410		0.17	0.003	0.19	7.21	12.9	1610	1.70	1.75	1.05	0.75	68.6	10.7	75	6.37	23.5
CC89411		0.25	0.007	0.61	6.47	9.8	1700	1.57	2.66	0.81	0.88	76.6	10.5	52	4.61	20.6
CC89412		0.31	0.008	0.30	6.41	17.6	1450	1.40	1.07	0.75	0.39	70.7	12.3	62	3.85	18.9
CC89413		0.40	0.005	0.18	6.27	13.2	1040	1.34	0.33	1.01	0.24	68.8	8.9	74	2.95	21.6
CC89414		0.35	0.005	0.16	6.41	8.7	1270	1.57	0.30	1.10	0.19	70.1	8.2	63	2.93	25.1
CC89415		0.22	0.003	0.19	6.33	8.1	1220	1.71	0.35	0.96	0.48	62.9	8.8	65	6.48	22.9
CC89416		0.16	0.007	0.26	6.52	19.5	1140	1.59	0.43	0.89	0.33	68.7	6.2	54	5.86	24.1
CC89417		0.13	0.002	0.22	6.80	16.9	1140	1.76	0.38	0.85	0.38	64.8	5.0	58	5.88	22.7
CC89418		0.11	0.003	0.21	6.34	12.7	1140	1.54	0.24	0.99	0.31	72.0	8.7	70	4.08	27.9
CC89419		0.44	0.003	0.13	6.22	8.4	1170	1.29	0.34	1.24	0.28	70.5	7.0	71	4.13	14.9
CC89420		0.21	0.003	0.11	6.12	8.3	1230	1.58	0.20	1.36	0.41	70.8	8.5	75	3.65	18.3
CC89421		0.15	0.002	0.13	6.24	9.4	1230	1.41	0.29	1.13	0.43	72.2	7.6	67	4.22	19.0
CC89422		0.14	0.003	0.20	6.69	9.6	1370	1.71	0.37	1.08	0.54	73.7	7.7	66	5.34	23.8
CC89423		0.11	0.006	0.28	6.43	10.8	1340	1.47	0.42	0.96	0.80	69.3	6.8	67	6.68	23.3
CC89424		0.31	0.010	0.31	6.49	11.3	1350	1.71	0.87	1.06	0.92	75.1	8.3	64	6.18	24.5
CC89425		0.15	0.002	0.16	6.56	7.5	1560	1.66	0.38	1.16	1.33	75.7	6.4	65	6.42	19.0
CC89426		0.16	0.005	0.20	5.61	3.0	1270	0.78	0.16	0.53	0.67	45.8	2.1	31	1.90	11.7
CC89427		0.07	0.002	0.31	7.00	6.7	2360	2.40	0.32	1.06	1.34	75.7	8.2	43	9.34	27.1
CC89428		0.13	0.008	0.60	6.67	7.7	1880	1.79	0.76	0.94	1.70	99.3	6.4	48	6.66	55.7
CC89429		0.05	0.002	0.51	6.65	6.4	1200	1.47	0.46	1.20	1.58	67.2	13.0	62	4.47	25.2



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	
		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	
CC89301		2.30	20.2	0.19	1.9	0.048	2.74	43.8	25.1	1.07	291	1.42	1.27	13.5	9.8	340
CC89302		2.32	19.65	0.18	1.7	0.042	2.72	45.3	23.7	1.08	240	1.46	1.19	12.8	10.8	270
CC89303		3.19	17.65	0.18	1.9	0.044	2.08	33.5	26.2	0.85	368	1.22	1.30	11.8	23.9	300
CC89304		2.81	18.50	0.17	1.8	0.052	2.36	34.7	28.8	0.91	264	1.00	1.34	12.1	24.0	400
CC89305		2.35	20.6	0.18	1.3	0.045	2.59	48.9	30.0	0.98	286	0.74	2.13	12.9	16.6	460
CC89306		3.00	17.70	0.16	1.8	0.052	2.13	35.2	31.1	1.01	341	0.74	1.37	11.9	23.9	330
CC89307		3.44	16.85	0.18	2.0	0.047	2.48	38.6	24.5	0.84	600	1.27	1.22	11.9	25.9	280
CC89308		2.76	20.6	0.20	1.8	0.056	2.95	48.9	30.4	0.92	371	0.94	1.21	12.4	17.0	550
CC89309		2.79	18.65	0.16	1.9	0.044	2.71	40.6	30.1	0.96	308	0.86	1.34	11.8	19.5	250
CC89310		2.77	20.5	0.15	2.3	0.046	2.34	32.5	24.0	0.57	355	1.58	1.96	13.1	13.1	400
CC89311		2.58	21.0	0.18	1.8	0.047	2.12	49.5	41.4	1.14	296	0.77	1.55	12.9	16.1	430
CC89312		2.80	19.20	0.14	2.8	0.042	1.95	46.8	36.9	0.94	257	0.94	1.64	11.9	19.5	430
CC89313		4.14	20.8	0.16	3.1	0.054	2.11	41.8	34.0	1.00	514	3.66	1.44	11.7	26.4	490
CC89403		3.37	21.2	0.16	2.3	0.079	1.93	34.0	30.0	0.97	380	1.41	1.31	12.3	19.8	550
CC89404		3.57	18.50	0.13	2.2	0.071	1.73	35.0	28.5	1.01	503	1.34	1.44	12.4	21.4	370
CC89405		3.04	18.50	0.13	2.0	0.075	1.81	35.6	26.1	0.94	550	1.19	1.43	12.8	18.3	520
CC89406		3.23	18.85	0.15	2.3	0.079	2.03	38.3	28.4	1.05	572	1.08	1.46	13.0	19.9	440
CC89407		3.26	17.25	0.13	2.1	0.076	1.81	36.8	26.9	1.15	543	1.20	1.34	11.5	21.5	700
CC89408		2.93	18.60	0.15	2.7	0.085	2.51	33.4	28.1	0.92	516	1.06	1.28	14.4	19.8	220
CC89409		4.11	18.15	0.13	2.8	0.081	1.67	33.9	32.1	0.98	718	1.60	1.29	13.7	24.5	370
CC89410		3.79	18.50	0.15	2.7	0.132	1.95	37.1	31.2	1.07	534	1.39	1.25	12.6	25.4	430
CC89411		3.19	17.70	0.15	2.8	0.127	2.36	41.4	26.1	0.76	813	1.42	1.13	13.2	17.8	590
CC89412		4.04	17.50	0.13	3.0	0.100	2.26	37.8	24.7	0.79	860	2.26	1.08	12.2	19.9	710
CC89413		3.66	15.60	0.13	2.7	0.069	1.49	35.1	26.3	0.86	464	1.35	1.25	11.5	22.2	620
CC89414		3.03	16.30	0.14	3.3	0.083	1.83	36.3	24.8	0.88	431	1.23	1.42	12.7	22.1	530
CC89415		2.91	16.60	0.14	2.4	0.079	2.07	33.5	27.7	1.08	506	0.88	1.35	12.1	22.4	380
CC89416		2.87	18.20	0.17	2.3	0.068	1.81	37.0	22.4	0.75	407	1.31	1.48	12.3	16.0	1130
CC89417		2.40	20.2	0.15	2.5	0.059	2.07	35.8	23.0	0.76	291	0.93	1.60	13.2	15.4	900
CC89418		3.37	16.90	0.13	2.5	0.062	1.77	36.7	24.4	0.86	537	1.19	1.37	12.7	21.2	910
CC89419		3.02	16.30	0.14	2.4	0.056	1.70	37.4	22.1	0.92	392	0.94	1.38	12.9	20.1	510
CC89420		3.12	15.65	0.13	2.2	0.056	1.66	36.6	23.3	0.97	474	0.92	1.45	13.0	24.7	690
CC89421		3.14	16.15	0.12	2.9	0.060	1.63	38.0	23.3	0.83	414	1.04	1.39	12.7	20.4	750
CC89422		3.21	18.00	0.14	2.3	0.061	1.80	39.7	25.0	0.85	400	1.10	1.38	13.0	20.9	740
CC89423		3.38	19.70	0.13	2.3	0.075	1.78	37.3	24.1	0.78	425	1.65	1.24	13.6	19.7	770
CC89424		3.54	18.50	0.14	2.4	0.065	1.83	39.5	25.9	0.86	522	1.45	1.31	13.4	21.5	450
CC89425		2.80	18.70	0.17	2.9	0.069	2.00	42.0	21.6	0.87	378	0.87	1.27	13.0	20.5	610
CC89426		1.51	19.10	0.13	3.2	0.042	2.64	26.1	7.7	0.24	188	0.83	1.02	11.7	6.1	570
CC89427		2.74	19.90	0.16	2.5	0.073	2.66	42.6	33.1	0.98	571	1.18	1.26	13.1	16.8	580
CC89428		2.91	18.60	0.18	2.3	0.068	2.36	53.3	28.2	0.84	394	1.32	1.10	12.3	17.6	640
CC89429		3.24	17.15	0.14	2.3	0.062	1.62	33.7	26.9	0.95	762	1.34	1.26	10.8	24.5	860



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
CC89301		58.1	133.5	<0.002	0.01	1.17	7.6	<1	3.7	172.5	1.15	<0.05	20.4	0.323	5.7
CC89302		31.1	135.0	<0.002	0.01	0.95	7.9	<1	3.7	193.0	1.03	<0.05	20.1	0.314	6.5
CC89303		32.9	100.5	0.002	0.01	1.07	8.6	<1	2.8	169.5	0.92	<0.05	17.1	0.351	4.2
CC89304		34.4	104.0	<0.002	0.02	1.08	9.1	1	2.8	174.5	0.96	0.07	17.8	0.337	4.3
CC89305		70.7	122.0	<0.002	0.01	1.06	10.9	1	3.5	212	0.96	0.07	21.3	0.335	4.9
CC89306		93.0	98.2	0.002	0.01	1.04	11.1	2	2.5	204	0.89	0.09	14.9	0.383	3.3
CC89307		49.6	105.0	0.002	0.01	1.17	11.4	2	2.1	180.5	0.89	0.12	15.1	0.396	3.3
CC89308		110.0	137.0	<0.002	0.02	1.21	10.4	1	3.6	158.5	0.88	0.11	20.4	0.324	5.1
CC89309		102.0	116.0	<0.002	0.01	1.09	9.3	<1	3.0	164.0	0.90	<0.05	19.9	0.335	3.6
CC89310		109.0	117.5	<0.002	0.04	1.45	9.1	<1	2.9	146.5	0.99	<0.05	14.0	0.389	3.7
CC89311		91.1	121.5	<0.002	0.02	1.41	10.3	<1	3.3	212	0.98	<0.05	22.5	0.341	5.5
CC89312		76.1	104.5	<0.002	0.02	1.31	9.8	1	2.8	174.0	0.92	<0.05	19.0	0.340	4.2
CC89313		129.5	105.0	<0.002	0.05	2.11	11.6	<1	2.8	182.5	0.86	<0.05	20.0	0.387	4.2
CC89403		87.1	125.5	<0.002	0.01	1.13	11.6	1	2.7	166.5	0.85	0.08	11.9	0.362	3.5
CC89404		73.0	99.1	<0.002	0.01	1.34	11.4	1	2.2	179.5	0.87	<0.05	12.1	0.382	3.3
CC89405		75.0	109.5	<0.002	0.01	1.20	11.2	<1	2.4	173.5	0.85	<0.05	12.6	0.361	3.4
CC89406		81.6	113.0	<0.002	0.01	1.36	11.5	<1	2.5	182.5	0.93	0.05	14.2	0.367	3.7
CC89407		122.5	101.5	<0.002	0.01	1.17	11.6	<1	2.2	181.0	0.86	<0.05	12.0	0.361	3.5
CC89408		72.0	113.0	<0.002	0.01	1.50	10.6	<1	2.7	161.5	1.00	<0.05	15.9	0.328	3.6
CC89409		60.3	92.6	<0.002	0.01	1.60	11.8	<1	2.2	183.5	0.94	0.05	10.6	0.444	3.2
CC89410		138.0	103.0	<0.002	0.01	1.92	12.8	1	2.4	174.5	0.88	<0.05	13.7	0.405	3.5
CC89411		105.5	102.0	<0.002	0.01	1.60	10.5	<1	2.5	147.0	0.95	0.08	13.4	0.358	3.7
CC89412		119.5	107.0	<0.002	0.02	1.67	10.6	<1	2.4	138.0	0.88	0.05	13.3	0.370	3.8
CC89413		81.8	73.5	<0.002	0.01	1.17	11.6	1	1.9	178.0	0.82	0.09	11.7	0.415	3.3
CC89414		81.7	86.9	<0.002	0.01	1.26	12.0	<1	2.2	196.0	0.87	<0.05	10.8	0.419	3.3
CC89415		133.0	99.0	<0.002	0.01	1.54	11.3	<1	2.3	156.5	0.86	<0.05	11.9	0.340	3.2
CC89416		123.5	106.5	<0.002	0.02	2.60	10.8	<1	2.5	161.0	0.82	0.06	11.9	0.362	3.2
CC89417		80.9	125.5	<0.002	0.01	3.69	11.3	<1	2.7	158.0	0.89	<0.05	11.4	0.383	3.0
CC89418		127.0	92.6	<0.002	0.01	1.26	11.3	1	2.0	164.5	0.84	0.05	12.1	0.391	3.0
CC89419		45.0	89.5	<0.002	0.01	1.25	11.9	<1	2.0	186.5	0.92	<0.05	11.1	0.424	2.7
CC89420		58.5	78.1	0.002	0.01	1.27	12.2	<1	1.8	204	0.91	<0.05	11.0	0.441	2.7
CC89421		96.4	83.9	<0.002	0.01	1.30	12.2	1	1.8	190.0	0.89	<0.05	11.4	0.425	3.1
CC89422		127.0	99.3	<0.002	0.01	1.48	12.8	<1	2.0	184.5	0.89	0.07	11.5	0.414	3.4
CC89423		162.5	123.5	<0.002	0.02	1.55	12.0	<1	2.4	166.0	0.96	<0.05	11.5	0.442	3.1
CC89424		210	104.5	<0.002	0.02	1.77	11.9	<1	2.2	177.5	0.95	<0.05	11.8	0.407	3.1
CC89425		143.5	98.4	<0.002	0.02	1.66	12.7	<1	2.3	183.5	0.89	<0.05	11.2	0.437	3.1
CC89426		31.4	76.2	<0.002	0.02	1.07	8.3	<1	2.1	109.0	0.84	<0.05	9.3	0.325	2.6
CC89427		146.5	127.5	<0.002	0.02	1.22	11.2	<1	2.4	159.0	0.92	<0.05	15.3	0.294	3.4
CC89428		334	109.5	<0.002	0.02	1.35	11.3	<1	2.2	161.5	0.85	<0.05	14.1	0.330	3.2
CC89429		165.5	91.4	<0.002	0.04	1.12	13.0	<1	1.9	188.0	0.71	<0.05	9.1	0.385	2.7



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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC89301		68	1.7	16.8	97	60.8
CC89302		68	1.7	19.2	54	58.2
CC89303		97	1.5	13.6	67	60.3
CC89304		86	1.8	15.2	77	58.2
CC89305		70	2.5	20.3	106	44.0
CC89306		103	1.9	15.0	122	56.9
CC89307		113	1.7	15.6	110	68.1
CC89308		85	2.3	22.0	145	62.4
CC89309		81	2.4	14.7	124	60.1
CC89310		88	2.2	11.4	157	84.6
CC89311		70	2.0	21.6	161	60.5
CC89312		79	2.0	17.4	109	66.0
CC89313		97	2.0	17.0	153	89.8
CC89403		103	1.7	16.8	198	80.9
CC89404		105	3.0	17.1	189	71.9
CC89405		91	1.5	18.2	179	65.1
CC89406		93	1.6	19.9	220	69.0
CC89407		92	1.6	18.6	234	68.3
CC89408		81	2.0	19.9	159	77.8
CC89409		124	1.6	14.9	144	79.1
CC89410		113	1.7	16.7	245	82.2
CC89411		83	1.6	18.3	295	87.8
CC89412		106	1.8	16.4	140	89.8
CC89413		108	1.5	14.8	99	83.8
CC89414		105	1.5	17.3	95	83.4
CC89415		83	2.6	19.1	232	70.3
CC89416		89	1.4	15.8	120	71.3
CC89417		86	1.8	15.3	139	82.0
CC89418		100	1.4	16.3	112	86.5
CC89419		99	1.5	16.6	96	69.0
CC89420		107	1.3	17.1	110	69.0
CC89421		106	1.5	18.1	131	80.2
CC89422		108	1.6	19.6	165	75.4
CC89423		119	1.7	16.7	177	96.6
CC89424		106	1.9	19.6	251	75.8
CC89425		93	1.6	20.4	175	78.8
CC89426		59	1.4	12.6	72	89.5
CC89427		65	2.2	23.4	341	88.2
CC89428		81	1.7	18.3	403	77.8
CC89429		109	1.4	16.4	241	74.8



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
CC89430		0.28	0.004	0.38	6.81	10.1	1050	2.15	0.19	0.98	0.83	91.2	7.4	55	5.15	93.1
CC89431		0.11	0.004	0.35	6.61	9.5	980	1.91	0.19	1.13	1.13	83.2	8.7	68	4.01	259
CC89432		0.11	0.003	0.71	5.68	4.3	950	1.37	0.20	0.90	4.21	60.1	4.1	36	4.25	72.9
CC89433		0.27	0.001	0.13	6.45	9.5	1110	1.35	0.31	0.77	2.39	66.1	4.3	49	5.94	20.0
CC89434		0.11	0.002	0.10	6.98	13.6	1040	2.09	0.24	0.71	2.08	74.0	6.8	57	10.45	28.4
CC89435		0.15	0.003	0.08	6.18	16.3	910	1.43	0.24	0.98	0.93	60.9	8.9	73	4.55	19.1
CC89436		0.33	0.001	0.10	6.64	12.5	1190	1.73	0.25	0.88	0.60	67.2	7.8	62	6.88	21.2
CC89437		0.28	0.003	0.21	7.37	8.6	2280	2.49	0.29	0.65	0.29	80.6	6.5	46	8.26	19.9
CC89438		0.25	0.002	0.13	6.81	9.7	1820	2.06	0.22	0.65	0.33	64.8	6.3	47	7.48	16.2
CC89439		0.32	0.002	0.11	6.56	10.1	1620	1.72	0.24	0.74	0.30	64.4	8.4	56	5.70	19.1
CC89440		0.12	0.001	0.18	6.21	8.1	1460	1.59	0.32	0.97	0.51	59.2	6.6	58	5.10	21.3
CC89441		0.19	0.002	0.18	6.39	6.4	1850	1.70	0.24	0.98	0.30	76.1	6.6	54	5.46	16.5
CC89442		0.14	0.002	0.19	6.39	8.7	1570	1.57	0.48	0.94	0.26	66.9	7.4	59	4.85	18.4
CC89443		0.10	0.004	0.09	6.35	10.4	1310	1.59	0.30	0.92	0.34	75.9	7.6	64	3.55	16.6
CC89451		0.25	0.003	0.09	6.11	11.8	1090	1.45	0.25	1.05	0.14	69.4	8.0	73	3.77	18.3
CC89452		0.21	0.001	0.09	6.35	10.6	1250	1.73	0.29	0.98	0.14	70.2	7.2	67	4.39	18.3
CC89453		0.18	0.010	0.05	6.75	11.2	1400	1.86	0.25	1.06	0.10	82.8	10.3	68	3.78	23.5
CC89454		0.33	0.001	0.08	6.76	13.7	1170	1.68	0.38	0.89	0.13	68.5	8.3	74	4.35	21.8
CC89455		0.39	0.003	0.17	7.27	10.4	1980	2.27	0.29	0.77	0.11	89.7	6.5	59	6.34	20.6
CC89456		0.25	0.003	0.14	6.51	13.5	1240	1.85	0.55	0.71	0.20	91.4	7.6	63	4.03	18.6
CC89457		0.15	0.002	0.15	6.00	16.8	960	1.23	0.50	0.86	0.29	68.0	8.5	73	3.44	18.1
CC89458		0.27	0.003	0.46	6.21	21.7	1020	1.59	0.73	0.94	0.28	78.5	8.6	72	3.38	19.7
CC89459		0.13	0.002	0.36	6.01	14.0	910	1.13	0.24	0.90	0.26	55.2	10.7	71	2.93	16.9
CC89460		0.27	0.002	0.13	6.82	16.3	1130	1.64	0.31	0.80	0.15	62.9	12.5	75	3.71	19.7
CC89461		0.24	0.001	0.10	6.96	13.9	1480	2.07	0.34	0.72	0.20	71.5	8.9	71	6.13	19.1
CC89462		0.29	0.001	0.20	6.63	14.5	1250	1.91	0.33	0.75	0.28	70.9	8.9	66	5.87	19.0
CC89464		0.21	0.001	0.14	5.93	14.6	960	1.22	0.27	0.87	0.15	54.7	8.7	70	2.85	16.5
CC89465		0.20	0.001	0.13	5.73	11.5	970	1.12	0.29	0.68	0.13	65.7	4.3	64	3.68	9.3
CC89466		0.20	0.016	0.28	8.45	217	1860	3.96	1.20	0.44	0.38	115.5	4.4	31	11.00	11.1
CC89467		0.13	0.003	0.21	7.31	17.2	1320	2.35	0.66	0.82	0.15	86.0	7.4	67	5.42	11.7



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
CC89430		2.99	19.95	0.15	2.9	0.069	2.69	48.5	24.0	0.82	507	1.25	1.30	13.3	20.1
CC89431		3.32	17.90	0.16	2.9	0.074	2.12	44.7	23.9	0.83	558	1.06	1.38	12.7	26.1
CC89432		2.31	15.95	0.13	2.6	0.046	1.59	36.3	17.6	0.48	229	1.34	1.33	8.2	12.4
CC89433		2.70	20.7	0.16	2.7	0.052	1.90	33.4	20.2	0.61	344	1.20	1.35	12.9	12.0
CC89434		3.33	19.50	0.14	2.0	0.070	1.86	40.8	29.5	0.80	355	1.41	1.31	13.2	20.4
CC89435		3.70	15.95	0.13	2.2	0.052	1.32	32.2	28.5	0.85	359	1.31	1.20	11.5	24.9
CC89436		3.35	16.50	0.13	2.6	0.067	1.72	34.6	28.7	0.87	377	1.26	1.29	12.5	22.1
CC89437		2.61	20.2	0.15	3.1	0.071	2.51	37.5	33.7	0.97	372	1.12	1.53	14.1	15.1
CC89438		2.71	18.30	0.13	2.3	0.065	1.96	30.2	26.1	0.76	323	1.17	1.59	12.5	15.7
CC89439		2.97	16.95	0.10	2.4	0.056	1.74	32.0	26.6	0.82	399	1.29	1.48	12.5	19.0
CC89440		2.74	15.90	0.12	2.1	0.052	1.61	33.2	22.9	0.81	273	1.00	1.36	10.5	19.6
CC89441		2.61	16.10	0.14	2.4	0.055	1.88	40.5	24.7	0.89	344	0.80	1.48	12.5	17.2
CC89442		2.83	16.35	0.13	2.5	0.060	1.71	35.2	24.3	0.87	362	0.99	1.39	12.0	18.9
CC89443		2.95	16.40	0.16	2.5	0.066	1.62	39.8	24.5	0.94	370	1.04	1.32	11.7	18.2
CC89451		3.07	16.40	0.12	2.4	0.050	1.56	36.4	24.2	0.86	363	1.11	1.26	12.5	21.3
CC89452		2.82	17.75	0.12	2.5	0.057	1.87	37.5	25.2	0.83	327	1.23	1.25	13.2	19.7
CC89453		3.22	16.65	0.14	2.5	0.048	1.80	42.7	25.8	1.02	427	1.29	1.28	12.5	24.9
CC89454		3.40	18.20	0.12	2.5	0.056	1.88	35.7	28.8	0.89	354	2.04	1.20	12.7	22.0
CC89455		2.72	18.40	0.13	2.3	0.056	2.76	47.9	27.9	1.01	299	1.54	1.19	13.4	18.0
CC89456		2.80	17.55	0.13	2.8	0.053	2.56	50.2	24.3	0.74	333	2.13	1.24	12.7	20.8
CC89457		3.83	16.75	0.11	2.4	0.050	1.71	36.3	22.2	0.72	442	2.30	1.12	12.3	19.5
CC89458		3.57	15.90	0.14	2.7	0.052	2.02	41.4	25.6	0.79	424	2.19	1.10	13.1	22.7
CC89459		3.47	14.75	0.12	2.3	0.050	1.37	28.8	24.3	0.76	528	1.70	1.13	10.9	22.9
CC89460		3.77	17.25	0.10	2.4	0.054	1.55	32.5	27.9	0.82	547	1.63	1.15	12.4	23.7
CC89461		3.34	17.55	0.10	2.2	0.059	2.01	36.3	33.4	1.00	369	1.50	1.17	11.9	27.0
CC89462		3.59	17.55	0.12	2.3	0.051	1.82	35.6	32.0	0.92	638	1.59	1.01	12.3	19.9
CC89464		3.63	15.55	0.08	2.1	0.050	1.32	28.2	26.8	0.79	486	1.32	1.07	11.4	22.1
CC89465		2.86	17.70	0.17	2.4	0.033	1.83	34.0	22.5	0.55	263	1.18	1.00	13.8	11.8
CC89466		2.68	23.8	0.24	4.2	0.055	4.95	63.1	58.4	1.18	399	1.01	0.71	15.7	10.2
CC89467		3.82	18.80	0.19	2.9	0.047	2.65	45.2	33.4	0.94	516	1.20	1.08	14.0	19.7



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Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.1
CC89430		437	132.5	<0.002	0.01	2.15	11.2	<1	2.5	157.5	0.95	0.05	14.9	0.366	4.7
CC89431		1215	102.5	<0.002	0.01	2.43	11.9	<1	2.3	169.0	0.86	0.08	13.4	0.379	3.9
CC89432		771	93.4	<0.002	0.06	0.86	8.2	<1	1.7	197.0	0.54	<0.05	10.4	0.285	3.1
CC89433		88.7	100.5	<0.002	0.01	1.67	9.8	<1	2.4	146.0	0.92	<0.05	11.2	0.403	2.9
CC89434		99.0	118.5	<0.002	0.02	1.49	10.4	4	2.7	132.0	0.95	<0.05	12.8	0.345	2.9
CC89435		33.8	76.5	0.002	0.01	1.18	11.4	4	1.9	174.0	0.78	0.13	9.4	0.417	2.4
CC89436		59.3	96.6	<0.002	0.01	1.26	10.8	2	2.2	156.0	0.91	0.05	12.8	0.378	3.0
CC89437		56.1	135.0	<0.002	0.01	1.09	9.7	2	3.0	140.0	1.00	<0.05	14.8	0.314	3.9
CC89438		30.4	119.5	0.002	0.01	1.16	8.9	3	2.6	134.0	0.91	0.05	12.8	0.307	3.7
CC89439		32.2	103.0	<0.002	0.01	1.14	10.2	2	2.3	153.0	0.91	<0.05	11.8	0.356	3.6
CC89440		25.4	91.5	<0.002	0.02	0.84	11.0	2	1.9	178.0	0.73	0.07	9.4	0.348	2.8
CC89441		25.9	103.0	<0.002	0.01	0.99	10.3	3	2.2	186.5	0.88	0.07	11.1	0.365	3.4
CC89442		35.5	94.7	<0.002	0.01	1.04	10.8	3	2.1	175.0	0.83	<0.05	10.2	0.376	3.1
CC89443		33.0	88.8	<0.002	0.01	1.00	11.1	1	2.0	164.5	0.78	0.07	10.9	0.385	2.7
CC89451		25.1	84.9	<0.002	0.01	1.10	11.8	2	2.2	181.5	0.92	0.09	10.8	0.447	2.7
CC89452		44.4	105.0	<0.002	0.01	1.12	11.5	2	2.5	176.0	0.98	0.11	11.9	0.449	3.0
CC89453		25.5	84.2	0.002	0.01	1.26	12.0	2	2.5	185.5	0.90	<0.05	13.3	0.422	3.9
CC89454		65.9	94.7	<0.002	0.01	1.22	11.1	2	2.7	164.0	0.92	0.07	13.6	0.440	3.0
CC89455		94.1	123.0	<0.002	0.02	1.10	9.0	3	3.3	153.0	1.11	<0.05	23.3	0.379	4.2
CC89456		60.1	111.0	<0.002	0.02	1.10	9.5	2	4.1	144.5	0.97	<0.05	20.9	0.377	4.3
CC89457		37.8	90.8	<0.002	0.02	1.34	10.2	2	3.3	158.0	0.86	0.13	11.4	0.446	2.9
CC89458		50.6	88.3	<0.002	0.03	1.33	10.2	3	3.3	162.0	0.89	0.06	15.3	0.440	3.4
CC89459		45.1	70.4	<0.002	0.02	1.13	10.3	3	1.8	162.5	0.80	<0.05	8.9	0.423	2.2
CC89460		20.5	81.5	<0.002	0.02	1.26	11.3	2	2.5	161.0	0.86	0.09	12.2	0.446	3.0
CC89461		35.4	94.9	<0.002	0.01	1.30	9.8	2	2.9	149.0	0.87	0.09	19.0	0.373	3.3
CC89462		31.0	103.0	0.002	0.03	1.13	10.1	1	2.5	146.0	0.91	<0.05	12.8	0.423	3.1
CC89464		22.1	64.8	<0.002	0.02	1.13	10.4	2	1.7	159.5	0.80	<0.05	8.4	0.432	2.3
CC89465		24.0	92.9	<0.002	0.01	1.19	10.1	1	2.3	137.0	0.91	0.07	9.2	0.479	2.6
CC89466		65.3	215	<0.002	0.01	2.52	8.0	1	8.7	85.7	1.16	<0.05	30.9	0.291	9.2
CC89467		39.9	130.0	<0.002	0.01	1.36	11.0	1	3.3	141.5	0.96	0.05	18.3	0.401	3.7



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Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
CC89430		88	2.6	21.0	302	89.3
CC89431		101	2.1	19.2	661	90.3
CC89432		66	1.1	15.1	215	84.4
CC89433		100	2.1	13.3	191	82.5
CC89434		94	1.6	21.3	315	105.0
CC89435		123	1.3	14.2	104	88.0
CC89436		101	1.6	16.7	134	77.8
CC89437		78	1.8	19.1	148	85.2
CC89438		80	1.4	16.6	92	69.0
CC89439		95	1.4	16.2	93	72.1
CC89440		90	1.2	15.2	80	63.2
CC89441		82	1.4	20.8	100	71.8
CC89442		94	1.6	17.1	105	78.6
CC89443		101	1.4	14.6	83	79.9
CC89451		118	1.6	14.9	68	75.0
CC89452		115	1.8	14.6	66	79.6
CC89453		112	1.7	18.6	75	84.4
CC89454		123	1.8	13.7	81	77.2
CC89455		88	2.7	15.8	93	75.0
CC89456		94	2.2	15.8	112	87.0
CC89457		129	1.6	13.0	78	83.6
CC89458		113	2.1	14.4	108	84.0
CC89459		117	1.3	11.3	98	71.4
CC89460		132	1.6	12.8	93	75.9
CC89461		100	2.1	13.9	73	68.6
CC89462		114	2.0	14.1	91	73.4
CC89464		127	1.4	12.1	82	73.9
CC89465		133	1.8	11.1	43	83.9
CC89466		54	4.9	19.5	118	127.5
CC89467		105	2.2	17.8	80	106.5



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CERTIFICATE OF ANALYSIS WH13110486

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS61

APPENDIX IV
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions		Property: Top		
Sample Number:	M400932	UTM:	561451 mE	Nad83, Zone 7
Elevation:	1069 m	UTM:	7112446 mN	
Comments: From outcrop. 12x5x10 cm of quartz-chlorite-epidote schist with three centimetre quartz vein. Disseminated pyrite and sphalerite (<1%) with minor limonite.				
Sample Number:	M400933	UTM:	561383 mE	Nad83, Zone 7
Elevation:	1077 m	UTM:	7112638 mN	
Comments: Float, 40 x 30 cm rock, massive, white, glassy quartz vein hosted in chlorite-mica schist				
Sample Number:	M400934	UTM:	561965 mE	Nad83, Zone 7
Elevation:	1072 m	UTM:	7111920 mN	
Comments: Outcrop sample 30x10x15 cm. Quartz-muscovite schist. Dark brown to tan. Oxidized surface. Abundant limonite fracture coatings, relict disseminated pyrite cubes parallel to foliation.				
Sample Number:	M400935	UTM:	561650 mE	Nad83, Zone 7
Elevation:	1098 m	UTM:	7112539 mN	
Comments: Road cut. White, quartz -rich-mica schist with minor chlorite foliations. Limonite stained with fine grained blebs of goethite/limonite altered sulphides				
Sample Number:	M400936	UTM:	562032 mE	Nad83, Zone 7
Elevation:	1075 m	UTM:	7111783 mN	
Comments: Composite grab sample 8 pieces over 3 m. Quartz-muscovite schist with abundant potassium feldspar alteration. Disseminated pyrite cubes an 1 mm bands of sphalerite. Within larger area of same material.				
Sample Number:	M400937	UTM:	561650 mE	Nad83, Zone 7
Elevation:	1098 m	UTM:	7112539 mN	
Comments: Road cut, local white quartz rich-mica schist with fine grained limonite/goethite altered sulphides in foliation				

Rock Sample Descriptions		Property: Top		
Sample Number:	M400938	UTM:	561650 mE	Nad83, Zone 7
Elevation:	1098 m	UTM:	7112539 mN	
Comments: Rose quartz in chlorite-mica-schist with limonite stained pits				
Sample Number:	M400939	UTM:	561650 mE	Nad83, Zone 7
Elevation:	1098 m	UTM:	7112539 mN	
Comments: Medium grey, siliceous, quartz-musc-schist crosscut by cubic 1-3mm relic sulphides, altered to goethite/limonite. Malachite precipitated in fractures				
Sample Number:	M400940	UTM:	562521 mE	Nad83, Zone 7
Elevation:	1197 m	UTM:	7112094 mN	
Comments: Composite grab sample. Five pieces over three metres. Pitted quartz-feldspar porphyry. Pale grey to green. Weak limonite. Abundant in float above quarry wall.				
Sample Number:	M400941	UTM:	562523 mE	Nad83, Zone 7
Elevation:	1193 m	UTM:	7112089 mN	
Comments: Specimen sample of material abundant over 10 m area. Black, manganese coated, fine grey to tan matrix with feldspar and chlorite phenocrysts. Disseminated silver sulphide (specularite?)				
Sample Number:	M400942	UTM:	562524 mE	Nad83, Zone 7
Elevation:	1181 m	UTM:	7112101 mN	
Comments: Sample of vein fault. Quartz vein is 60 cm thick. Sample is 30 cm chip sample of white to grey quartz with 1 cm limonite filled cavities. Very fine grained black to silver mineral - tetrahedrite? Vein adjacent to quartz-chlorite schist on the west side.				