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ASSESSMENT REPORT

describing

ROCK GEOCHEMICAL SAMPLING

Field work performed on August 19, 2019

at the

FOG PROPERTY

Fog 1-36 YF47901-YF47936

NTS 105J/08

Latitude 62°16'N; Longitude 138°5'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

K. Willms, B.Sc., GIT

April 2020

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INTRODUCTION

The Fog property is located within the Dawson Range Gold Belt of southwestern Yukon. It covers a precious metal vein system, which is defined by rock, soil and stream sediment samples that returned elevated gold, silver, arsenic and antimony values. The property is wholly owned by Strategic Metals Ltd.

This report describes a single day of rock geochemical sampling performed by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. Field work was conducted on August 19, 2019. The author did not participate in the field program, but interpreted results from the work. A Statement of Qualifications can be found in Appendix I and a Statement of Expenditures appears in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Fog property is located in southwestern Yukon at latitude 62°16' north and longitude 138°5' west on NTS map sheet 115J/08 (Figure 1). It comprises 36 contiguous quartz claims that cover an area of approximately 750 hectares (7.5 km²). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Specifics concerning claim registration are given below, while the locations of individual claims are illustrated on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Fog 1-36	YF4901-YF47936	April 25, 2023

* Expiry date includes 2019 work which has been filed and accepted by the Whitehorse Mining Recorder.

In 2019, access to the property was provided by a Bell 206B Jet Ranger operated by Capital Helicopters (1995) Inc. The Fog property is situated 93 km west-northwest of the village of Carmacks, the nearest community.

The Fog property is located within the traditional territories of Selkirk First Nation, which has concluded land claim agreements with Canada and Yukon. Neither the property nor access routes overlie First Nation Settlement Land.

HISTORY AND PREVIOUS WORK

In 1985, preliminary prospecting was conducted in the area by Kerr Addison Mines Ltd. A rock sample yielded up to 2 g/t gold from an area now named the Fog Vein Zone (Pautler, 1986).

In 1986, Kerr Addison conducted follow up geological mapping and prospecting around the Fog Vein Zone, which identified several quartz veins in the area. Following this work, claims were staked and a program comprised of prospecting, soil geochemical sampling and a VLF geophysical survey was completed. Soil geochemistry and VLF surveys covered a 1,300 by 800 m area, comprising the northeast half of the claim block. A total of 417 soil and 37 rock samples were collected. Soil samples returned up to 45 ppb gold, 1.6 ppm silver, 260 ppm arsenic and

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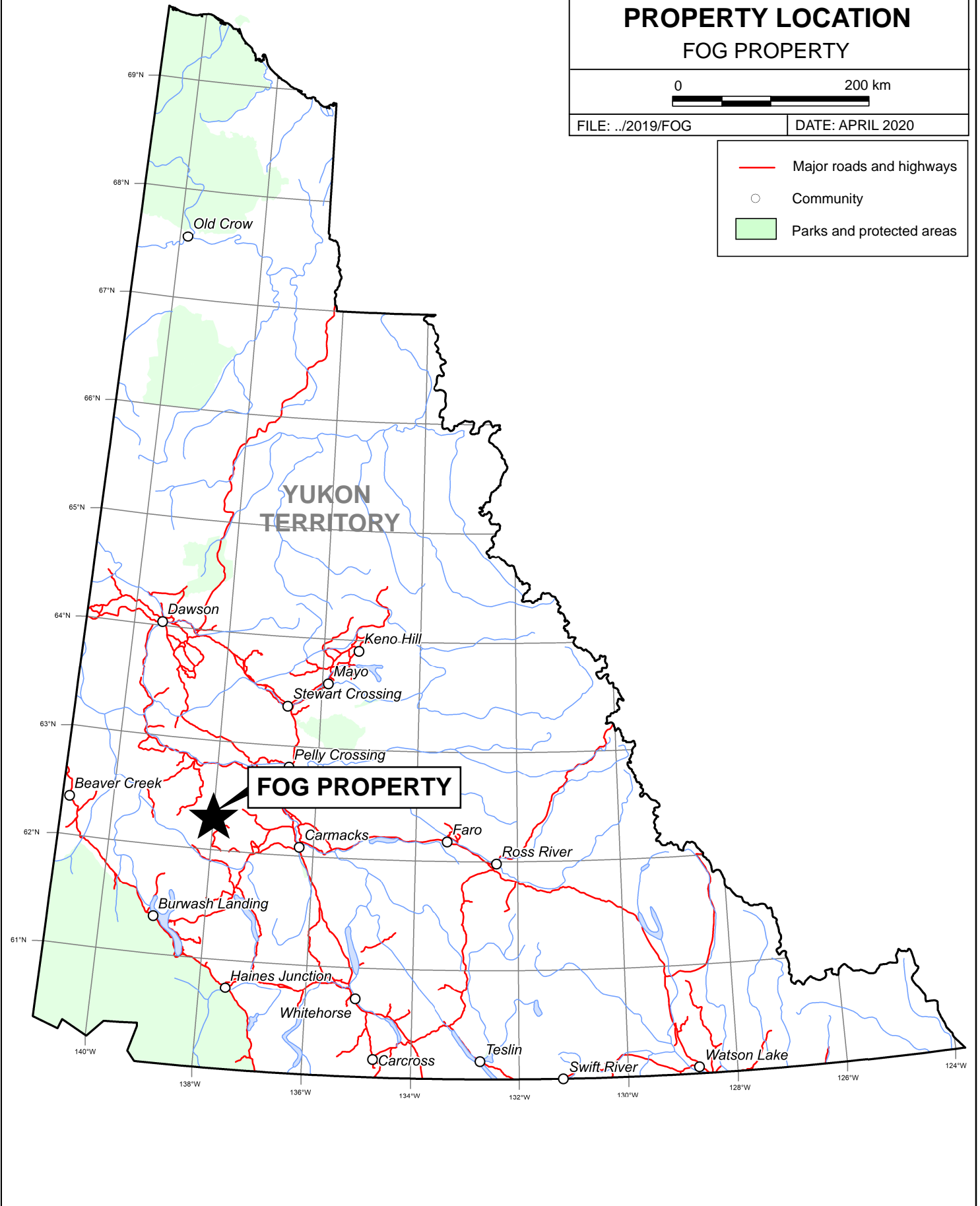
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
FOG PROPERTY

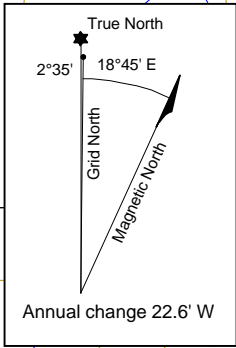
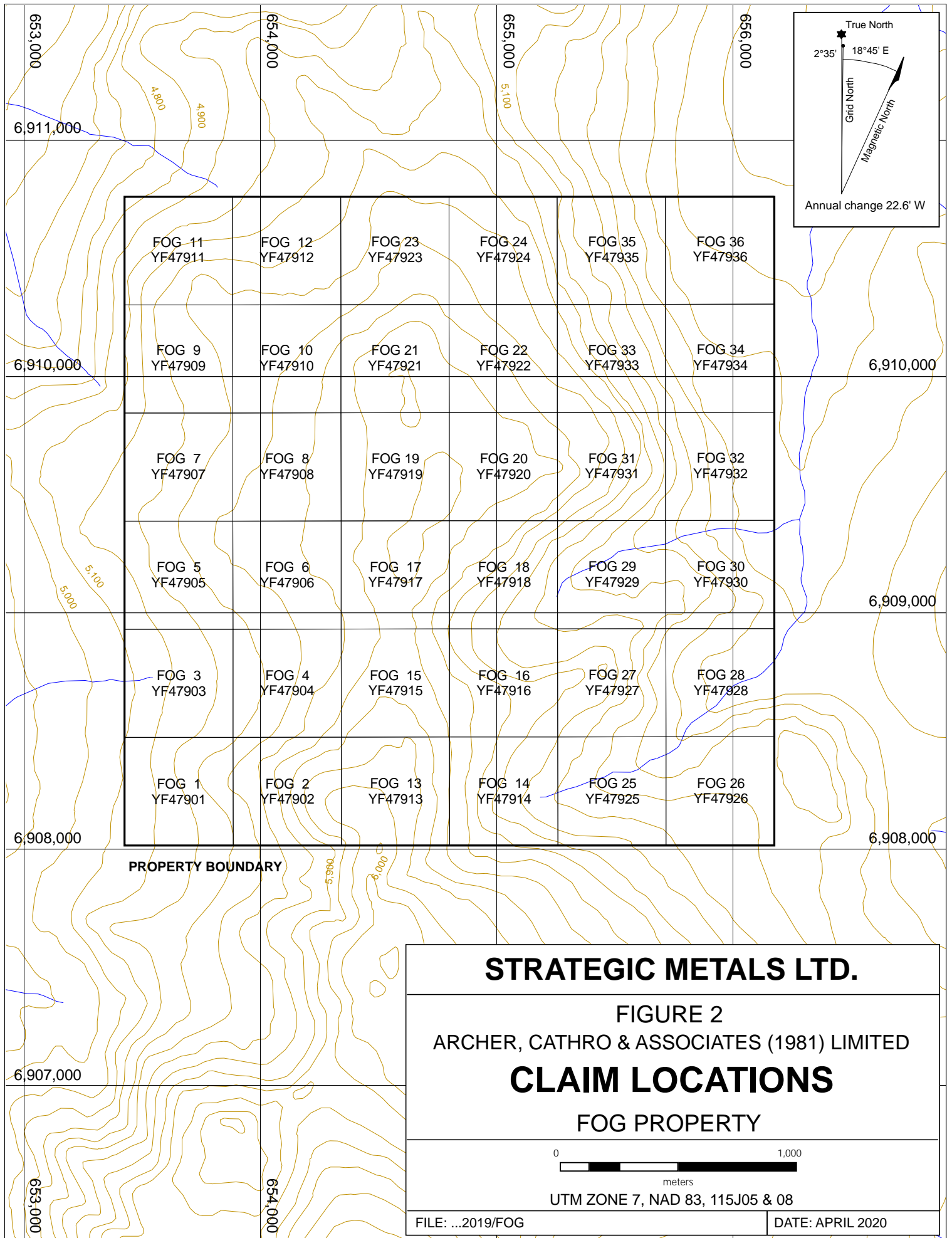


FILE: ../2019/FOG

DATE: APRIL 2020

- Major roads and highways
- Community
- Parks and protected areas





FOG 11 YF47911	FOG 12 YF47912	FOG 23 YF47923	FOG 24 YF47924	FOG 35 YF47935	FOG 36 YF47936
FOG 9 YF47909	FOG 10 YF47910	FOG 21 YF47921	FOG 22 YF47922	FOG 33 YF47933	FOG 34 YF47934
FOG 7 YF47907	FOG 8 YF47908	FOG 19 YF47919	FOG 20 YF47920	FOG 31 YF47931	FOG 32 YF47932
FOG 5 YF47905	FOG 6 YF47906	FOG 17 YF47917	FOG 18 YF47918	FOG 29 YF47929	FOG 30 YF47930
FOG 3 YF47903	FOG 4 YF47904	FOG 15 YF47915	FOG 16 YF47916	FOG 27 YF47927	FOG 28 YF47928
FOG 1 YF47901	FOG 2 YF47902	FOG 13 YF47913	FOG 14 YF47914	FOG 25 YF47925	FOG 26 YF47926

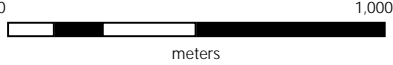
PROPERTY BOUNDARY

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FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

FOG PROPERTY



UTM ZONE 7, NAD 83, 115J05 & 08

4.4 ppm antimony, while the best rock sample yielded 440 ppb gold. The VLF survey outlined strong northwesterly trends, with conductive highs occurring in areas of quartz float, but could not definitively correlate the Fog Vein Zone to elevated conductivity (Pautler, 1986). No further work was completed by Kerr Addison and the claims were allowed to expire.

In 2016, Strategic Metals staked the current Fog claims and conducted a program of prospecting and soil geochemical sampling. A total of 122 soil and four rock samples were collected. Soil sampling was focused in the central part of the property, and overlapped with the 1986 soil sampling area. Soil geochemical results confirmed anomalous soil results on the property. Rock samples were collected from around the Fog Vein Zone, with the best rock sample yielding 108 ppb gold, 1.65 ppm silver and 1,230 ppm arsenic (Willms, 2016)

GEOMORPHOLOGY AND CLIMATE

The Fog property is situated within the Klondike Plateau of southwestern Yukon. Tributaries of Big Creek and the Klotassin River drain the property, which are part of the Yukon River watershed.

The property lies immediately north of Mount Langham and covers a ridge that is flanked by a system of headwater gullies. Elevations on the property range from approximately 1,370 to 1,860 m above sea level (asl). Outcrop is locally abundant but is generally restricted to the ridge top, deeply incised creek cuts and steep slopes. Most of the property lies above treeline, which is approximately 1,500 m asl. Vegetation in low-lying areas typically consists of stunted spruce and poplar trees with an understory of buckbrush and grasses, and above tree-line consists of moss, grasses and lichen with interspersed outcrop and talus. The property was glaciated during the Pliocene to early Pleistocene (Duk-Rodkin, 1999). Ice movement in this area arced from southeast to southwest following major river valleys.

The climate at the Fog property is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. The property is mostly snow free from late May to late September.

REGIONAL GEOLOGY

The Fog property is located within the Yukon-Tanana Terrane (YTT) as shown on Figure 3. The YTT comprises a variety of Proterozoic and Paleozoic metavolcanic, metasedimentary and metaplutonic rocks, formed in both arc and back-arc environments (Colpron et al., 2006; Piercey et al., 2006). This terrane represents a continental arc that developed along the ancient Pacific margin of North America from Late Devonian to Permian.

In 2003, Gordey and Makepeace completed a Yukon-wide geological compilation that updated lithological unit names in the area. The Yukon Geological Survey (YGS) maintains a website illustrating regional geology, which is periodically updated when new information becomes available (YGS, 2019). The main lithological units are described below in Table I, while regional geology is shown on Figure 4.

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

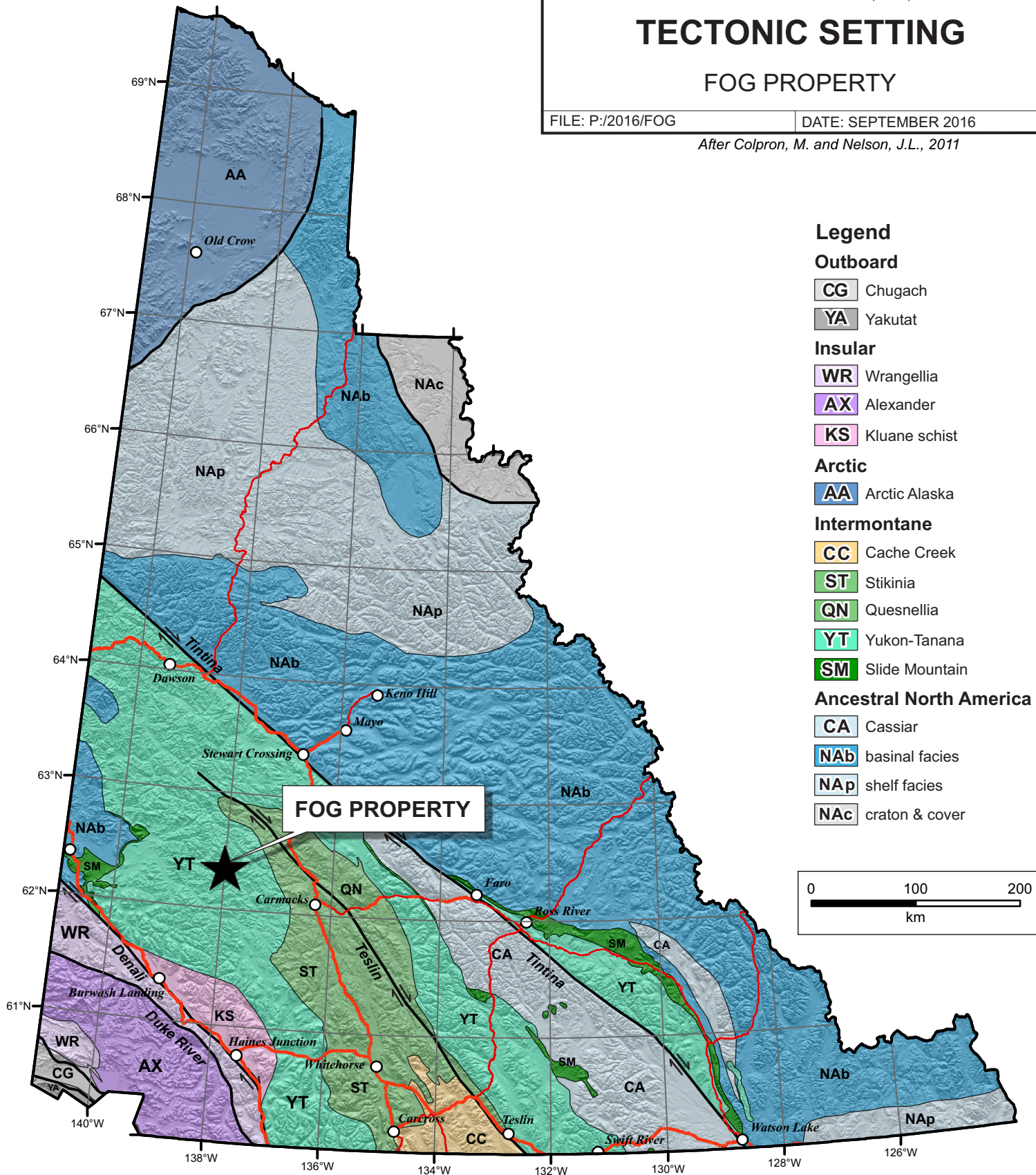
TECTONIC SETTING

FOG PROPERTY

FILE: P:/2016/FOG

DATE: SEPTEMBER 2016

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



Legend

Outboard

CG Chugach

YA Yakutat

Insular

WR Wrangellia

AX Alexander

KS Kluane schist

Arctic

AA Arctic Alaska

Intermontane

CC Cache Creek

ST Stikinia

QN Quesnellia

YT Yukon-Tanana

SM Slide Mountain

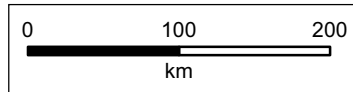
Ancestral North America

CA Cassiar

NAb basinal facies

NAp shelf facies

NAc craton & cover



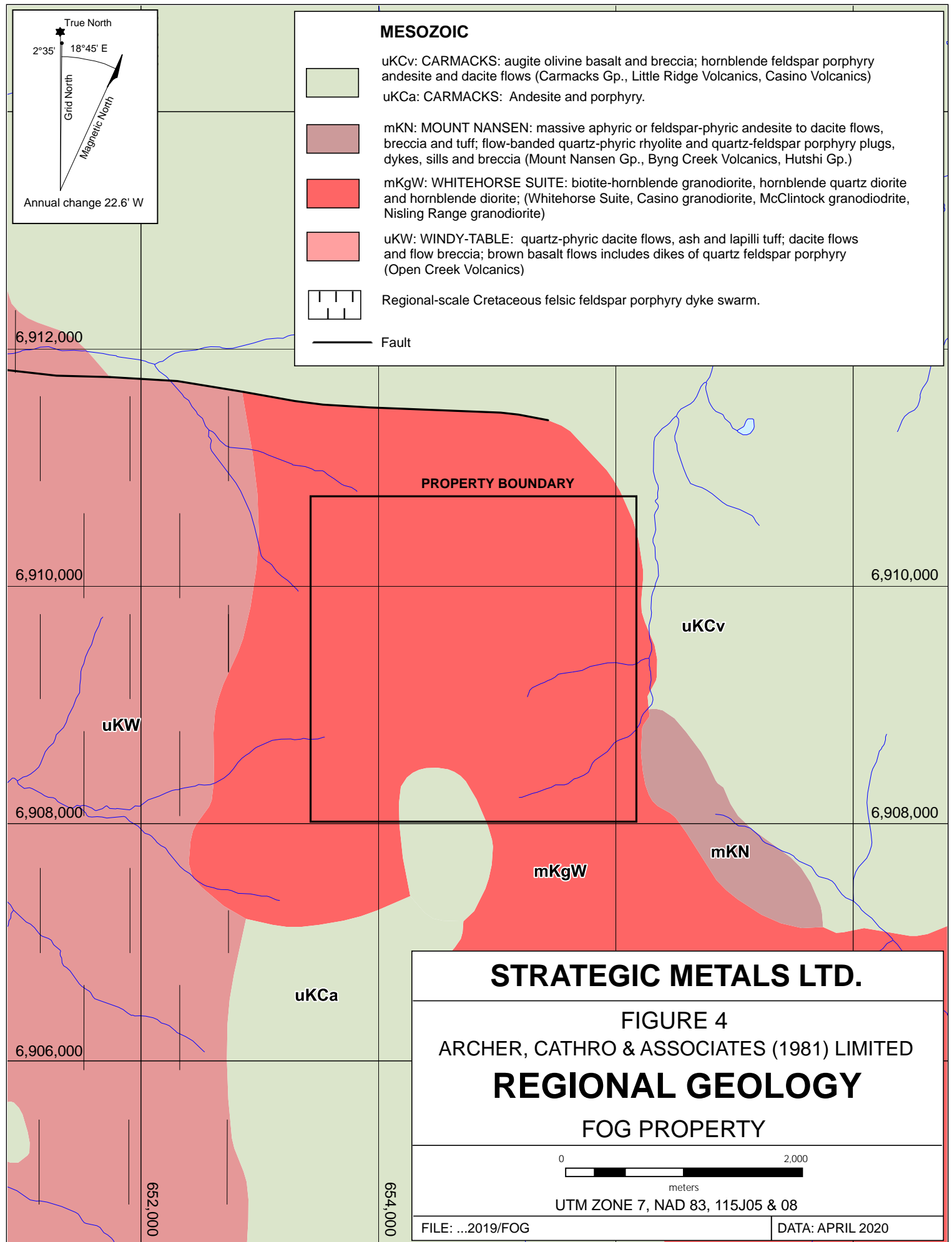


Table I – Lithological Units (after Gordey and Makepeace, 2003, and YGS, 2019)

Unit Name	Age	Map Name	Description
Carmacks Group	Upper Cretaceous (68-73 Ma)	uKCa	Volcanic succession dominated by intermediate andesite, porphyry.
		uKCv	Volcanic succession dominated by basic volcanic strata (augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks).
Windy-Table Group	Upper Cretaceous (80-85 Ma)	uKW	Resistant, columnar jointed, quartz-phyric dacite flows, ash and lapilli tuff; maroon weathering, basal sedimentary and epiclastic rocks; dacite flows and flow breccia; brown basalt flows; includes dykes of quartz feldspar porphyry.
Casino Suite	Late Cretaceous (74-78 Ma)	LKfC	Grey, fine to coarse-grained, massive, granitic rocks of quartz-feldspar porphyry composition and related felsic dykes.
Mount Nansen Group	Lower Cretaceous (90-110 Ma)	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.
Whitehorse Suite	Early Cretaceous (85-117 Ma)	mKgW	Grey, medium to coarse grained, generally equigranular granitic rocks of locally intermediate composition (biotite-hornblende granodiorite, hornblende-quartz diorite and hornblende diorite; leucocratic, biotite-hornblende granodiorite, locally contains sparse grey and pink potassium feldspar phenocrysts).

Regional-scale mapping shows the Fog property is underlain by a pluton comprised of Late Cretaceous Whitehorse Suite granodiorite and diorite. The pluton is surrounded by the various volcanic units: Lower Cretaceous Mount Nansen Group andesite to dacite flows, breccia and tuff to the southeast; Upper Cretaceous Windy-Table Group dacite flows, ash and lapilli tuff to the west; and Upper Cretaceous Carmacks Group andesite, breccia and basalt to the north and south (YGS, 2019). A regional-scale, north-trending, Cretaceous feldspar-porphyry dyke swarm cuts Windy-Table Group rocks to the west of the property (Tempelman-Kluit, 1974). This dyke swarm is offset north of the property by a west-northwesterly trending sinistral fault.

Across the Dawson Range Gold Belt a Late Cretaceous felsic intrusive unit, named the Casino Suite, is associated with a number of significant copper-gold porphyry and gold-silver epithermal vein deposits. Casino Suite intrusions were emplaced approximately 74 to 78 million years ago and typically consist of quartz porphyry, quartz-feldspar porphyry or feldspar porphyry dykes and plugs. Most intrusions relating to this suite were previously assigned to the Prospector Mountain Suite (67-69 Ma) or the Mount Nansen Group (110-115 Ma) (Allen et al, 2013; Klöcking et al., 2016). Intrusive rocks on the Fog property have not been dated, but some dykes observed on the property, and within the dyke swarm to the west, resemble Casino Suite rocks observed elsewhere in the Dawson Range.

PROPERTY GEOLOGY

In 1986, detailed geological mapping was performed at 1:5,000 scale by Kerr Addison across much of the current Fog property. The following descriptions are based on Kerr Addison's mapping and regional mapping performed by the YGS and Geological Survey of Canada (GSC). Detailed mapping of the property is can be found in Pautler, (1986).

The Fog property is dominantly underlain by Whitehorse Suite granodiorite. Small rhyolite to granite plugs and quartz-feldspar porphyry dykes intrude the granodiorite. These dykes and plugs may be associated with a north-trending feldspar-porphyry dyke swarm mapped approximately 450 m west of the property. Localized bodies of andesitic tuff and pyroclastic rocks occur in the northern and southern parts of the property. The southern andesites display strong bleaching and transition into unaltered Carmacks Group augite olivine basalts, further to the south (Pautler, 1986).

Rhyolite on the property is commonly clay altered and exhibits local silicification and sericitization. Granodiorite is variably clay altered and pyritized near quartz vein occurrences.

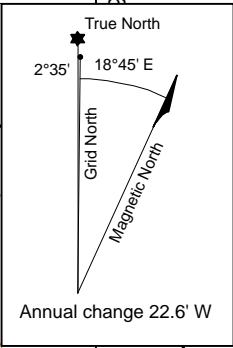
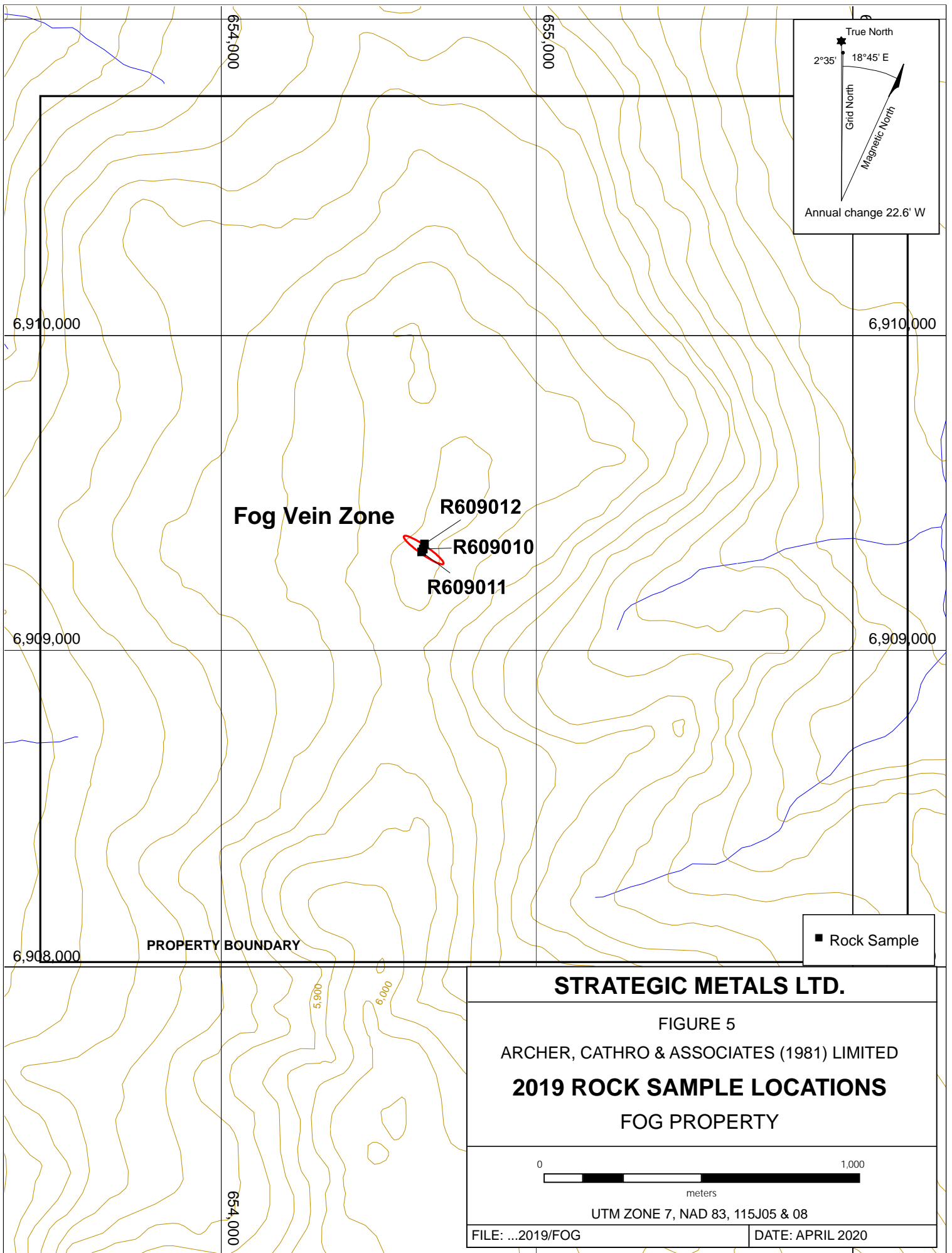
Quartz veins are primarily hosted in rhyolite and granodiorite units, but are also found in andesite tuffs in the northern part of the property. Veins are generally northwest to west trending, and are often accompanied by carbonate minerals (siderite).

MINERALIZATON

The Fog property hosts gold-bearing northwesterly trending quartz and quartz-carbonate epithermal-type veins. Two main mineralized veins have been discovered on the property: the Fog Vein Zone and the Rain Vein Zone.

In 2019, Strategic Metals collected three rock samples from the Fog Vein Zone. Rock sample locations from this program are plotted on Figure 5. Results from these rocks are discussed below. Rock Sample Descriptions and Certificates of Analysis for 2019 samples appear in Appendices III and IV, respectively.

Rock sample sites in 2019 were marked with flagging and the location was recorded using a hand-held GPS unit. Rock samples were sent to ALS Minerals in Whitehorse where they were dried and fine crushed to better than 70% passing 2mm before a 250 g split was pulverized to



Fog Vein Zone

R609012

R609010

R609011

PROPERTY BOUNDARY

■ Rock Sample

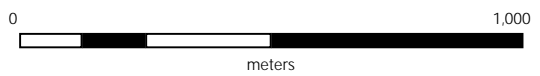
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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2019 ROCK SAMPLE LOCATIONS

FOG PROPERTY



UTM ZONE 7, NAD 83, 115J05 & 08

FILE: ...2019/FOG

DATE: APRIL 2020

better than 85% passing 75 microns. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analyzed for 51 elements using aqua regia followed by inductively coupled plasma-atomic emissions spectroscopy (ME-MS41). An additional 30 g charge from each fine fraction was further analyzed for gold by fire assay with inductively coupled plasma-atomic emission spectrometry finish (AU-ICP21).

The **Fog Vein Zone**, located in the central part of the property, consists of a 30 m wide area of hematitic quartz vein felsenmeer that has been traced for 300 m along a northwesterly (120°) trend. The width of this vein is unknown. Rock sampling has yielded peak values of 2 g/t gold and 4.3 g/t silver from this zone. In 2019, three felsenmeer float samples were collected from the Fog Vein Zone. All rocks returned low values for gold (up to 52 ppb) and other elements of interest were generally subdued, except for a single elevated antimony value of 66 ppm. The southeastern part of this vein has never been sampled.

The **Rain Vein Zone** is located approximately 100 m southwest of the Fog Vein Zone. This vein has reportedly been trace for 500 m, but there is no record of its width. It consists of quartz-carbonate and quartz breccia hosting pyrite. Rock samples taken from this vein have not returned significantly elevated values for gold, but have returned anomalous values for antimony, up to 80 ppm (Pautler, 1986).

SOIL GEOCHEMISTRY

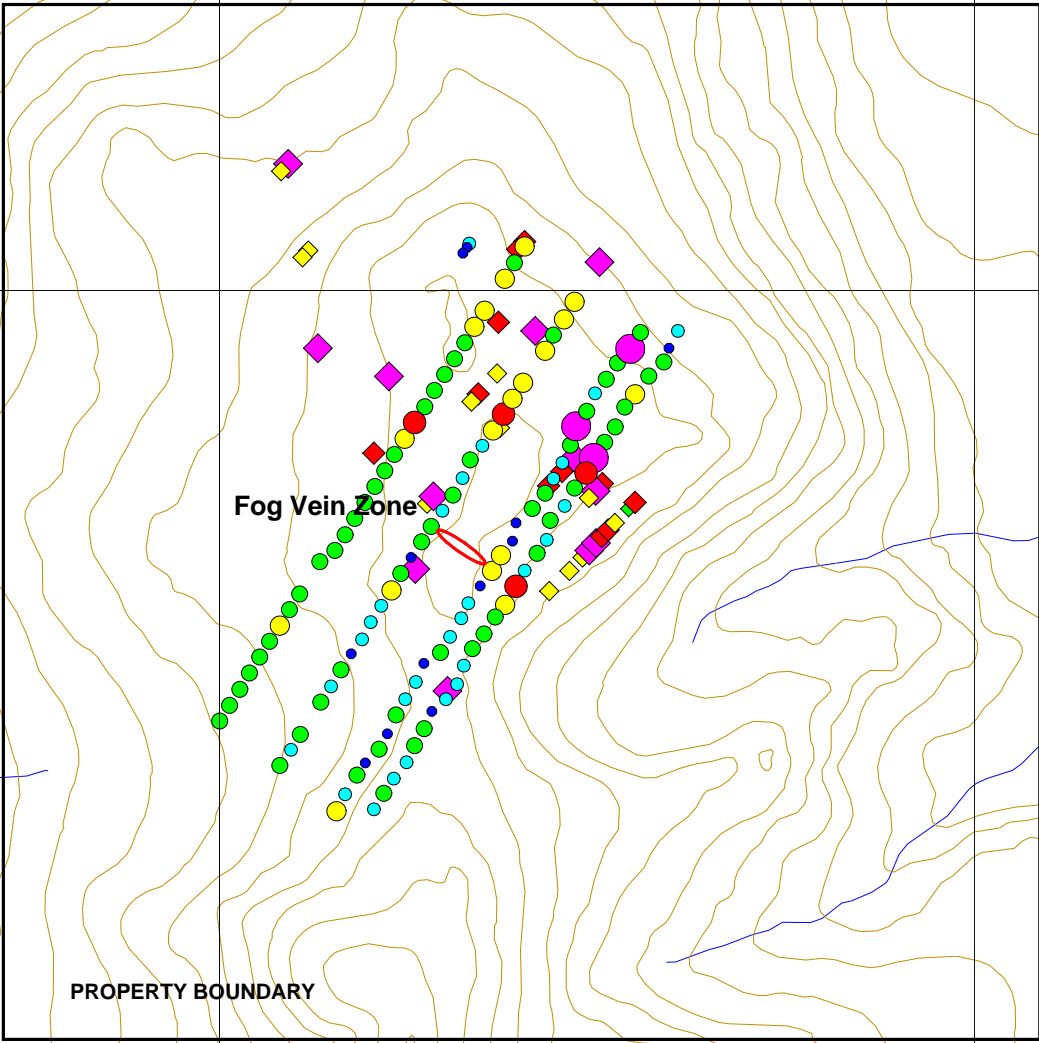
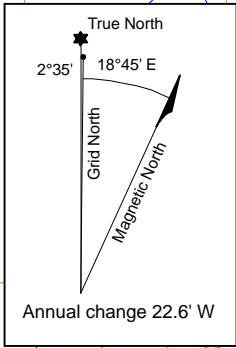
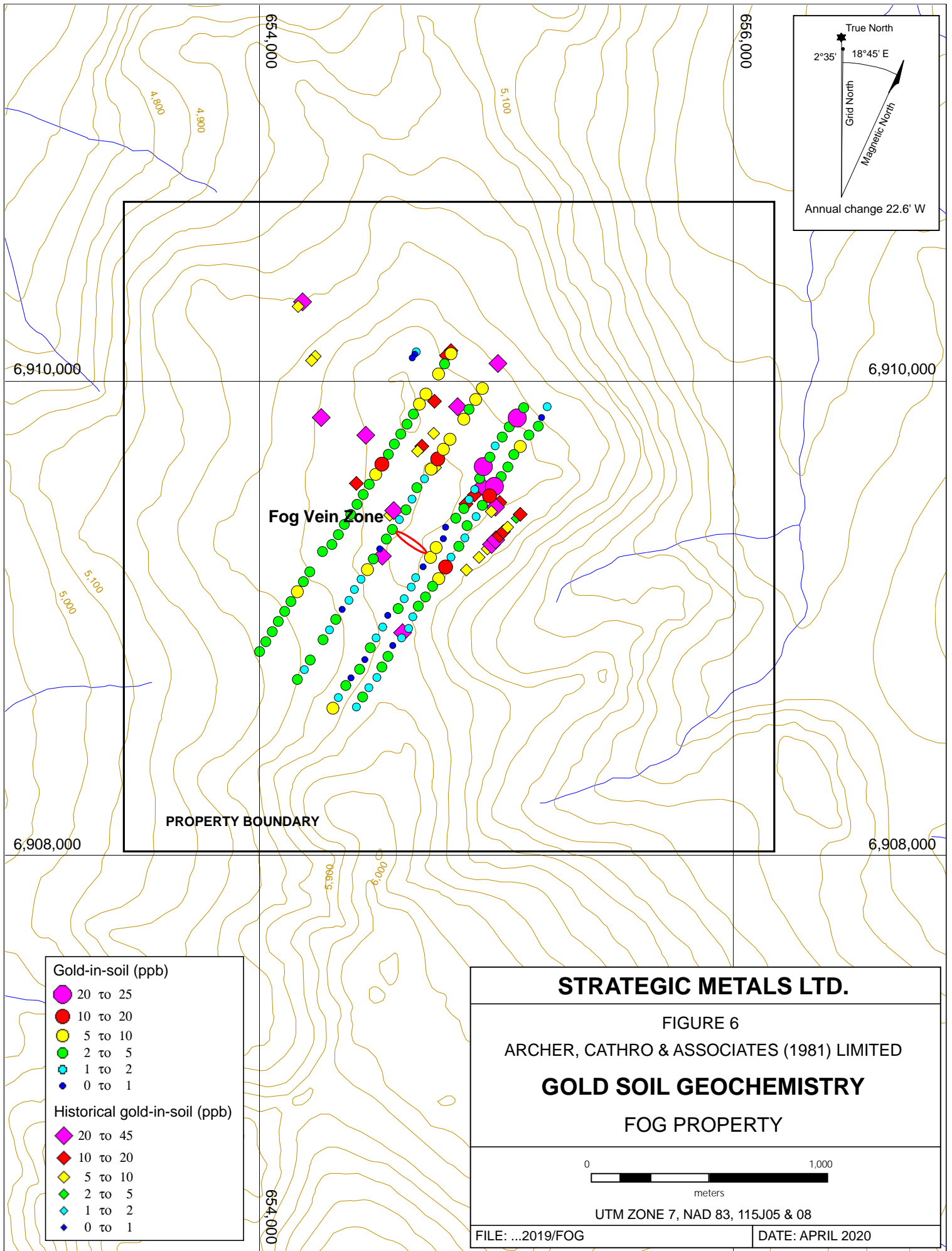
In 1986, a total of 417 soil samples were collected from the property by Kerr Addison. These samples were analyzed for gold, silver, arsenic and antimony. In 2016, Strategic Metals collected 122 grid soil samples that underwent 51 element analysis. Thematic results, for gold, silver, copper, arsenic, lead and zinc, where available, are illustrated on Figures 6 to 11.

Anomalous thresholds and peak values for metals of interest are listed in Table II.

Table II – Soil Geochemical Thresholds

Element	Weak	Moderate	Strong	Peak results
Gold (ppb)	$\geq 1 < 5$	$\geq 5 < 10$	$\geq 10 \leq 45$	45
Silver (ppm)	$\geq 0.1 < 0.5$	$\geq 0.5 < 1$	$\geq 1 < 1.6$	1.6
Copper (ppm)	$\geq 10 < 50$	$\geq 50 < 100$	-	57
Arsenic (ppm)	$\geq 10 < 50$	$\geq 50 < 100$	$\geq 100 \leq 260$	260
Lead (ppm)	$\geq 10 < 50$	$\geq 50 < 100$	$\geq 100 < 200$	102
Zinc (ppm)	$\geq 10 < 50$	$\geq 50 < 100$	$\geq 100 < 200$	148

In general, the geochemical response in the immediate vicinity of the Fog Vein Zone is relatively subdued for all metals except gold. In the eastern part of the soil grid, elevated gold (up to 18 ppb), silver (up to 0.5 ppm), zinc (up to 148 ppm) and lead (up to 102 ppm) occur along strike to the northwest of the Fog Vein Zone.



Gold-in-soil (ppb)	
●	20 to 25
●	10 to 20
●	5 to 10
●	2 to 5
●	1 to 2
●	0 to 1
Historical gold-in-soil (ppb)	
◆	20 to 45
◆	10 to 20
◆	5 to 10
◆	2 to 5
◆	1 to 2
◆	0 to 1

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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

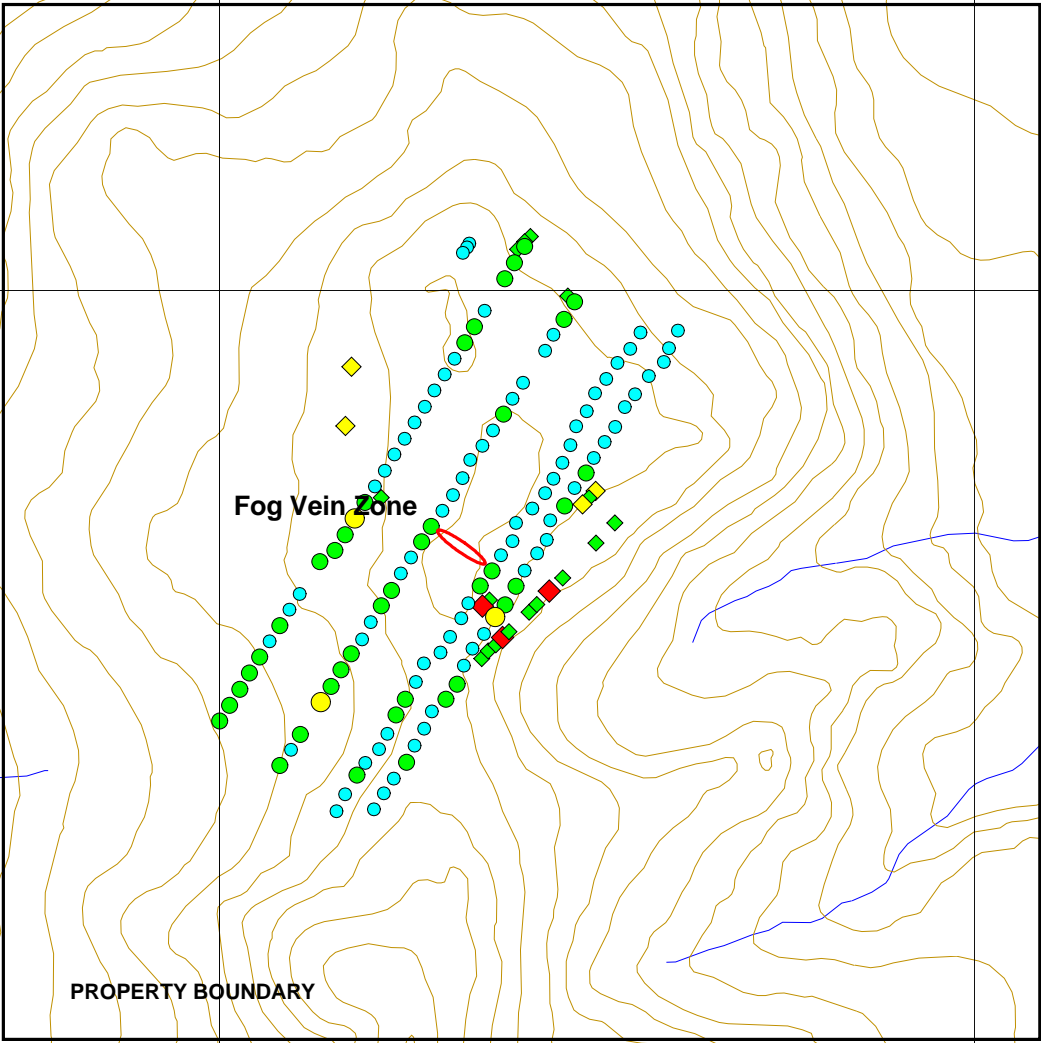
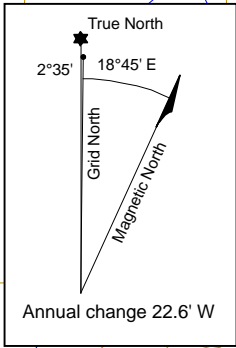
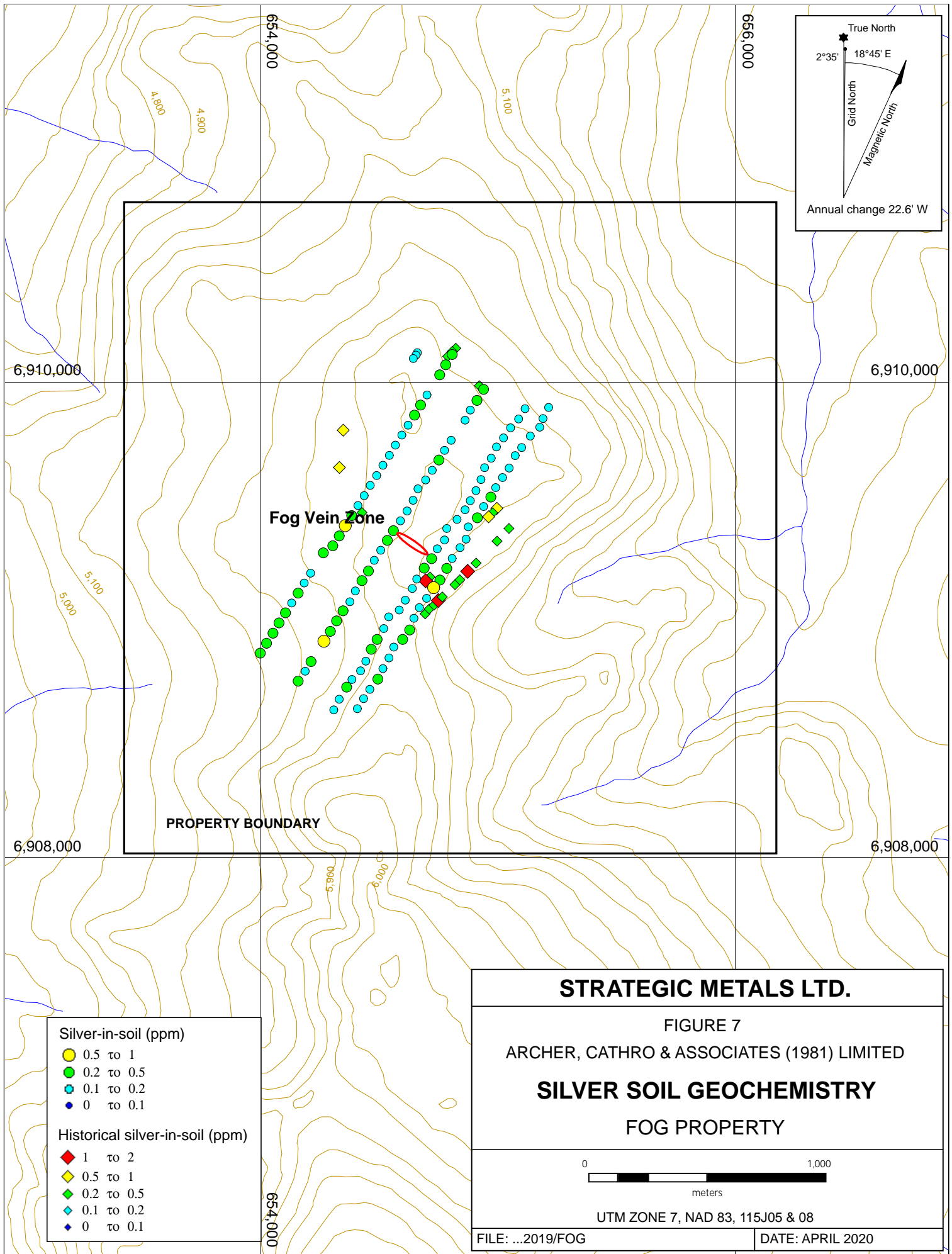
GOLD SOIL GEOCHEMISTRY

FOG PROPERTY

0 1,000
 meters

UTM ZONE 7, NAD 83, 115J05 & 08

FILE: ...2019/FOG DATE: APRIL 2020



- Silver-in-soil (ppm)**
- 0.5 to 1
 - 0.2 to 0.5
 - 0.1 to 0.2
 - 0 to 0.1
- Historical silver-in-soil (ppm)**
- ◆ 1 to 2
 - ◆ 0.5 to 1
 - ◆ 0.2 to 0.5
 - ◆ 0.1 to 0.2
 - ◆ 0 to 0.1

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FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

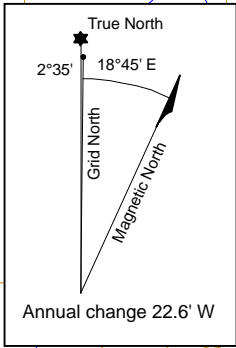
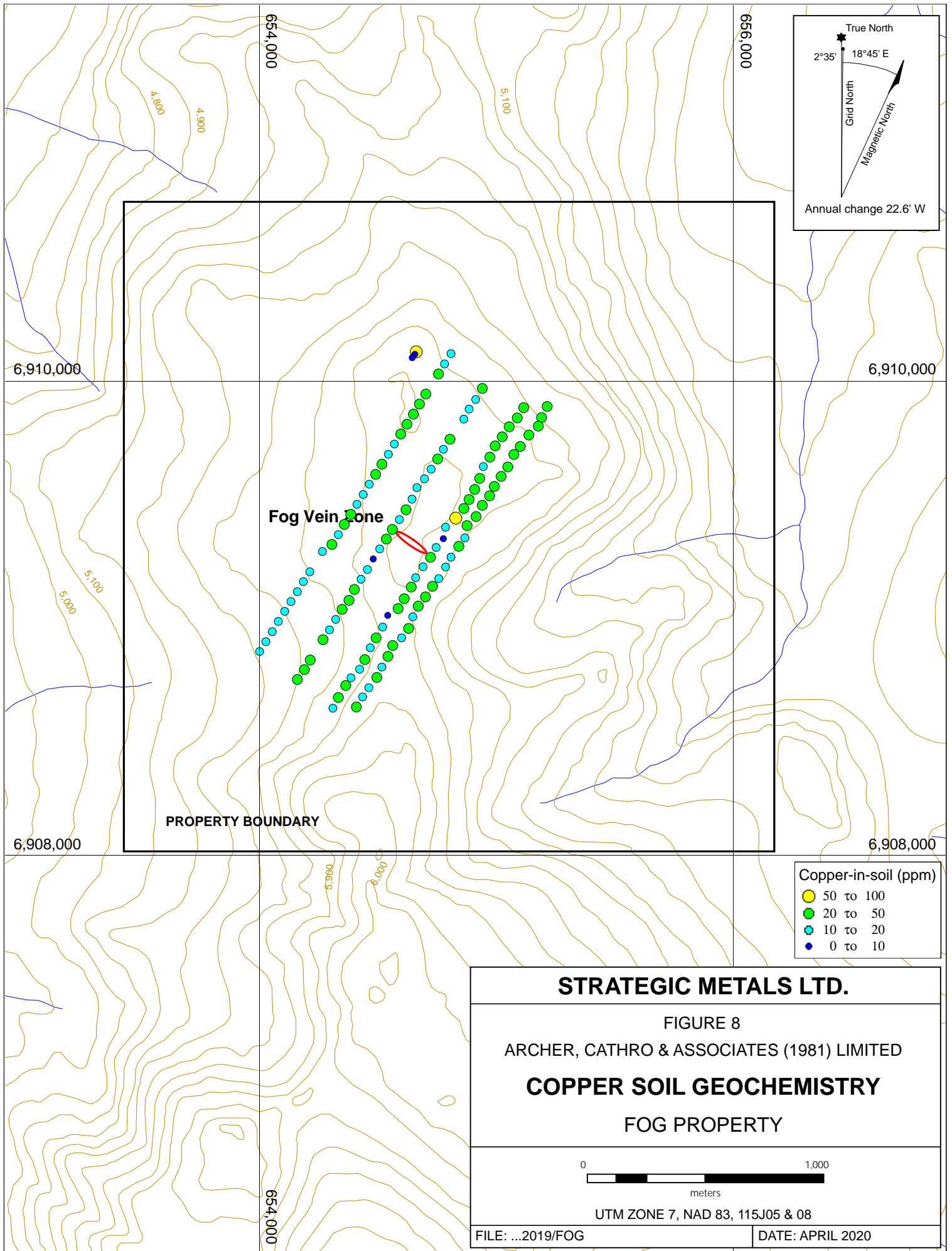
SILVER SOIL GEOCHEMISTRY

FOG PROPERTY

0 1,000
 meters

UTM ZONE 7, NAD 83, 115J05 & 08

FILE: ...2019/FOG DATE: APRIL 2020



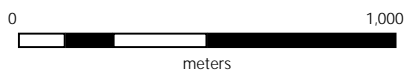
Fog Vein Zone

PROPERTY BOUNDARY

Copper-in-soil (ppm)	
●	50 to 100
●	20 to 50
●	10 to 20
●	0 to 10

STRATEGIC METALS LTD.

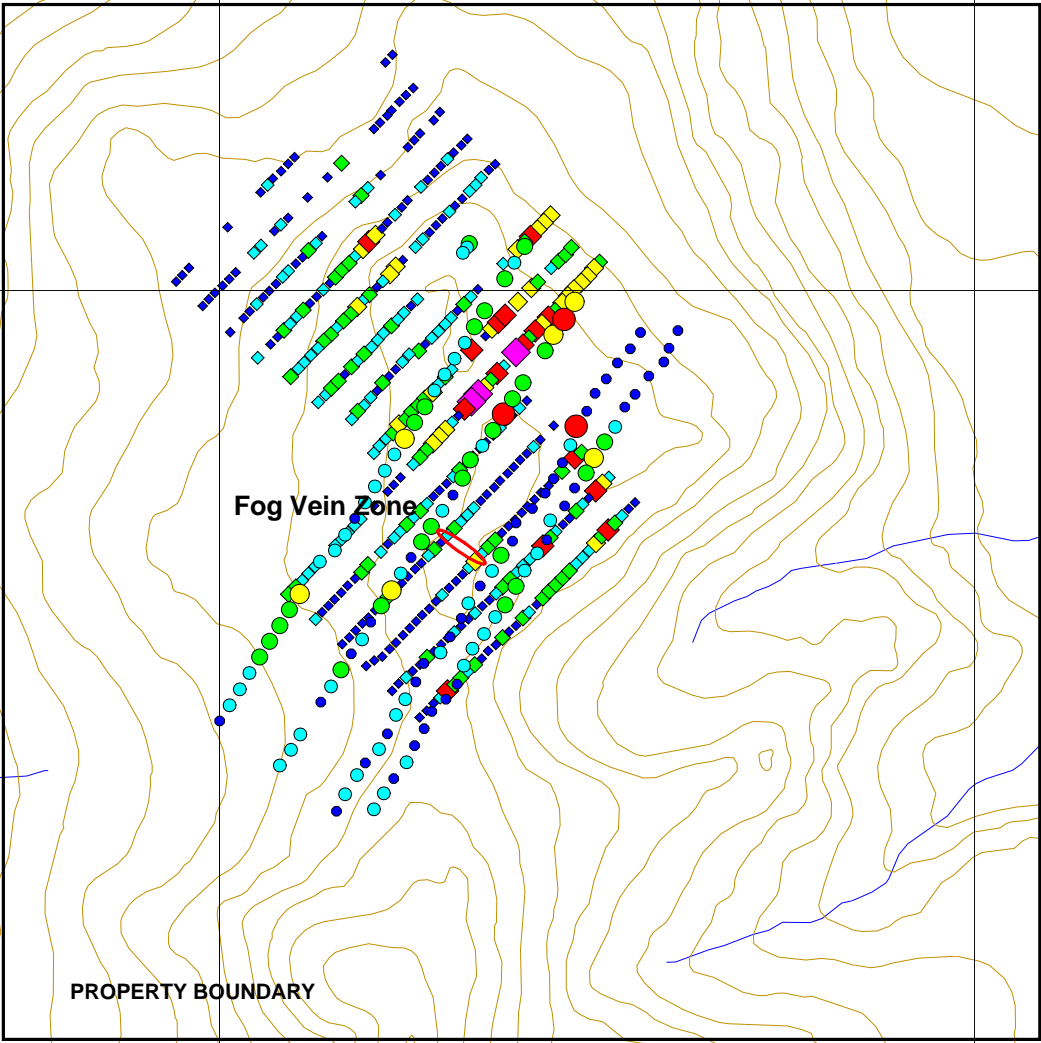
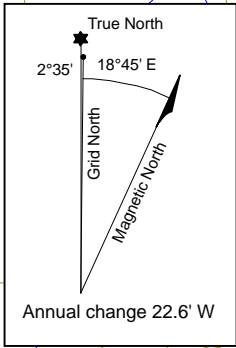
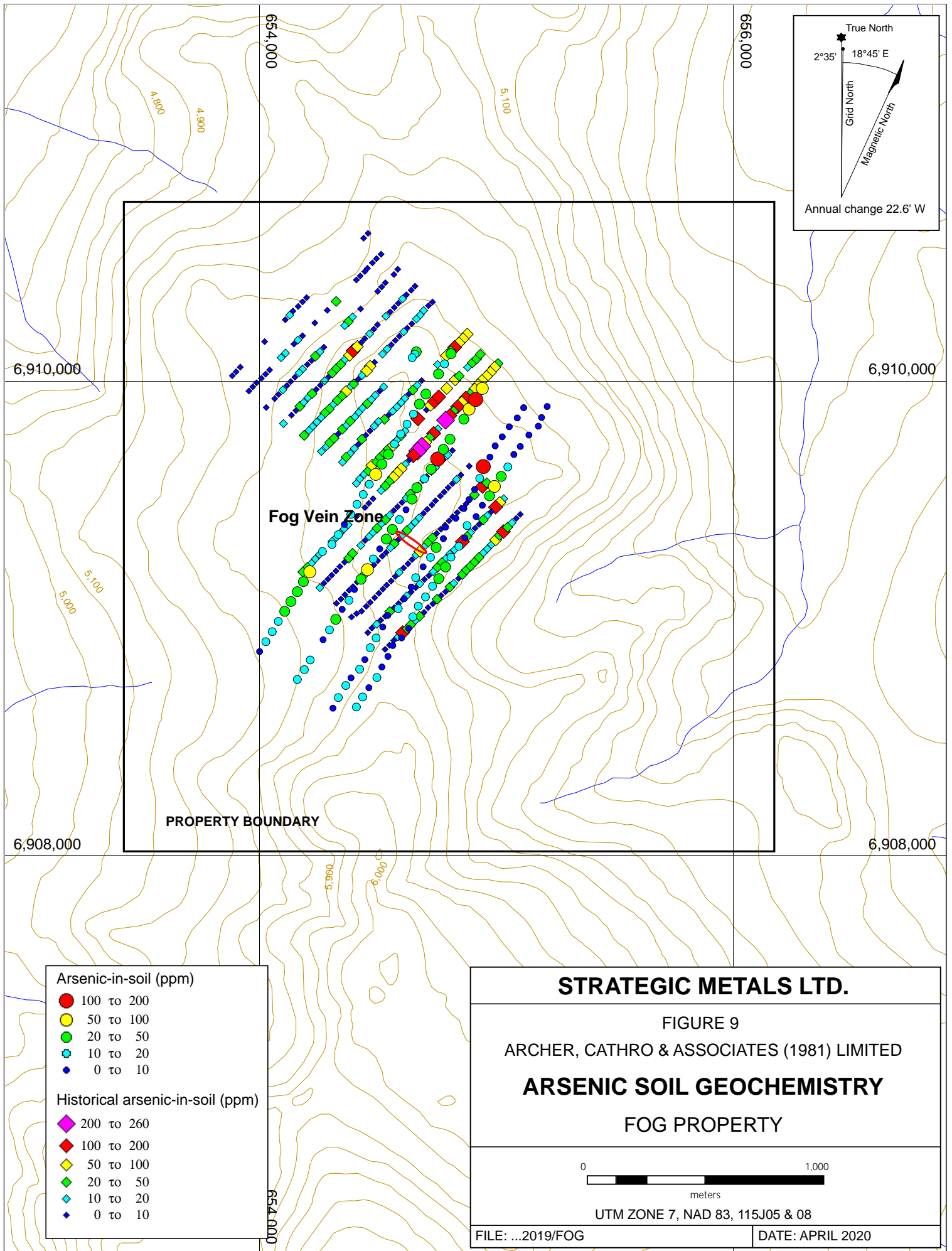
FIGURE 8
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER SOIL GEOCHEMISTRY
 FOG PROPERTY



UTM ZONE 7, NAD 83, 115J05 & 08

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Arsenic-in-soil (ppm)	
●	100 to 200
●	50 to 100
●	20 to 50
●	10 to 20
●	0 to 10
Historical arsenic-in-soil (ppm)	
◆	200 to 260
◆	100 to 200
◆	50 to 100
◆	20 to 50
◆	10 to 20
◆	0 to 10

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FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

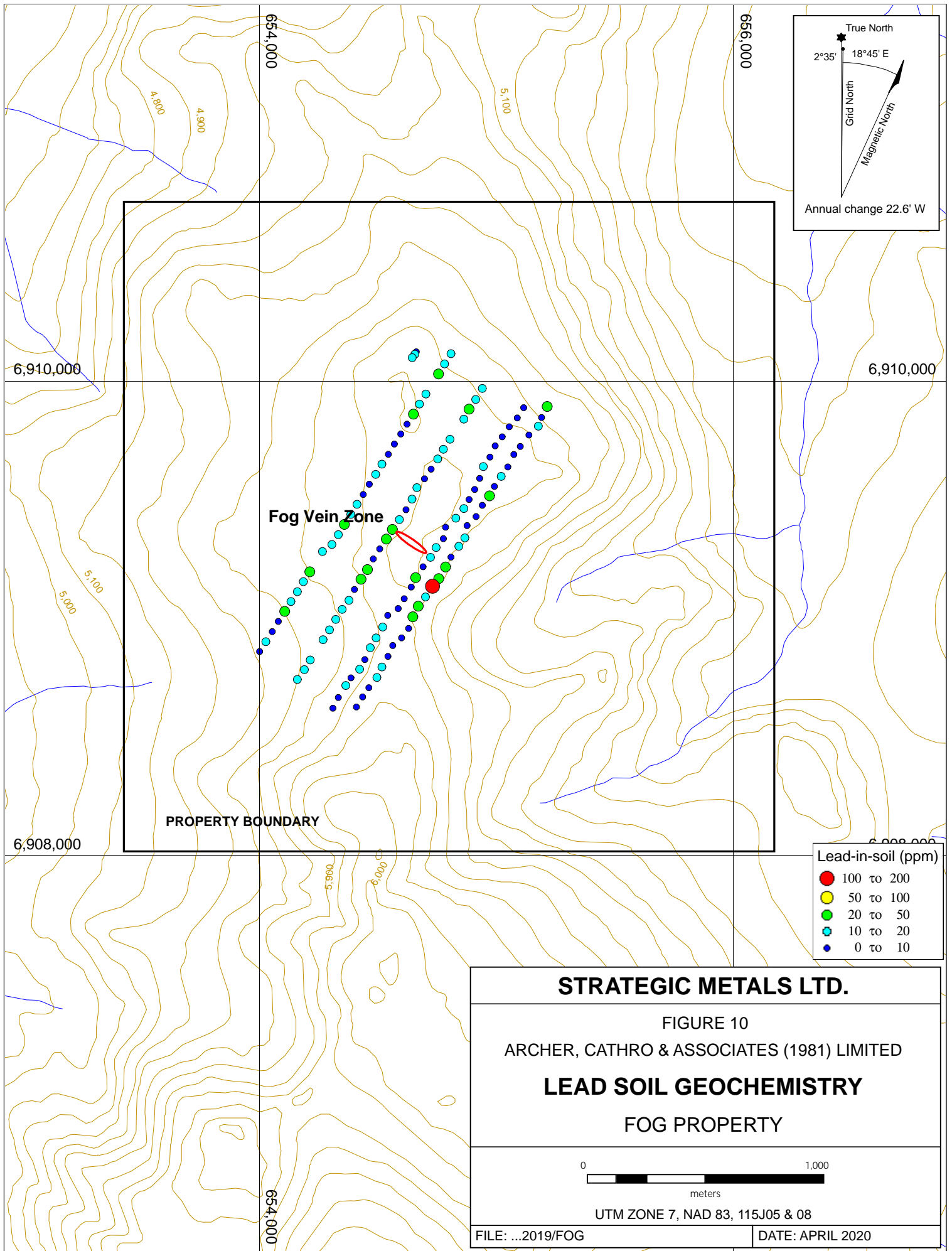
ARSENIC SOIL GEOCHEMISTRY

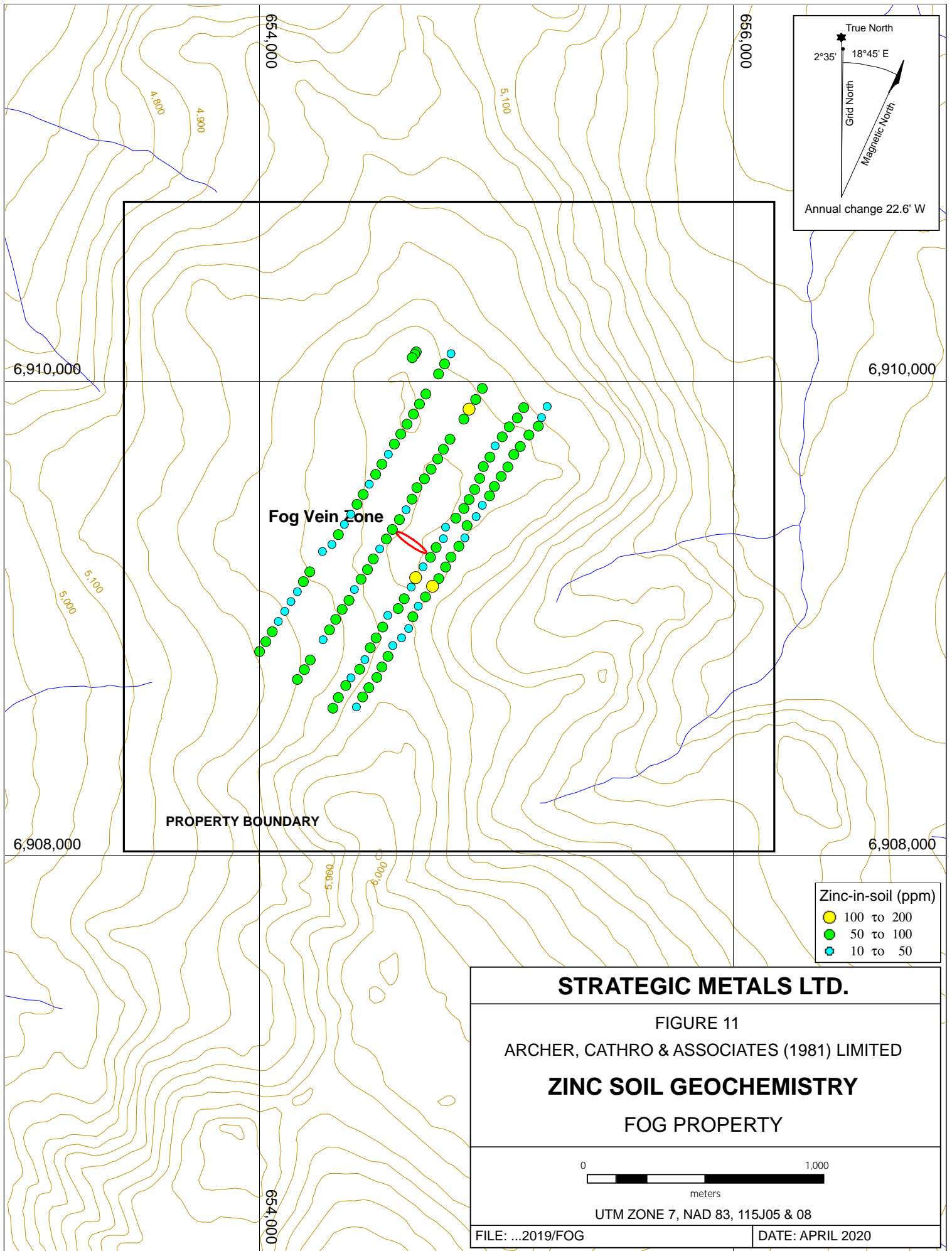
FOG PROPERTY

0 1,000
 meters

UTM ZONE 7, NAD 83, 115J05 & 08

FILE: ...2019/FOG DATE: APRIL 2020

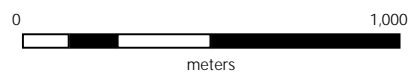




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FIGURE 11
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ZINC SOIL GEOCHEMISTRY
 FOG PROPERTY



UTM ZONE 7, NAD 83, 115J05 & 08

FILE: ...2019/FOG

DATE: APRIL 2020

Approximately 500 m northeast of the Fog Vein Zone, a broad coincident gold (up to 25 ppb), arsenic (up to 144 ppm), and zinc (up to 113 ppm) anomaly occurs. No systematic geological mapping has been conducted within this anomaly.

DISCUSSION AND CONCLUSIONS

The Fog property is located in the Dawson Range Gold Belt, which hosts a number of significant precious metal deposits and exploration projects, such as Newmont Goldcorp Corp.'s Coffee Gold deposit, Western Copper and Gold Corporation's Casino Deposit and Rockhaven Resources' Klaza project. The majority of precious metal projects in the Dawson Range Gold Belt are associated with Late Cretaceous dykes, including those of the Casino Suite, which are associated with the deposits listed above.

Rock sampling by Strategic Metals in 2019 did not return significant values for gold, however, only limited work has been done at the Fog property, and no systematic testing has been completed. The presence of druse, chalcedonic and cockscomb quartz vein textures, and the presence of elevated arsenic and antimony with subdued gold and silver values indicates surface mineralization may related to the upper levels of a Low to Intermediate epithermal system. The upper levels of these systems are typically enriched in mercury, arsenic and antimony, with sparse gold and silver, before transitioning to zones of higher temperature that readily precipitate precious and base metals at depth.

Additional exploration is needed on the Fog property to identify the potential for gold-bearing veins, find additional mineralized areas on the property, and further define the potential for a gold- and silver-enriched vein system at depth. Follow up work should include but not be limited to: 1) closely spaced soil sampling to expand known geochemical anomalies; 2) detailed geological mapping and prospecting around areas of interest to define the extent of veining; and 3) hand trenching within vein zones to determine widths and average grades.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc., GIT

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Yukon Geological Survey

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Kelson Willms, 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 2017 with a B.Sc in Earth and Environmental Sciences.
2. From 2015 to present, I have been actively engaged in mineral exploration in the Yukon Territory and British Columbia.
3. I am registered and active as a geologist in training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
4. I have interpreted all data resulting from work described in this report.



K. Willms, B.Sc., GIT

APPENDIX II
STATEMENT OF EXPENDITURES

Statement of Expenditures
Fog Property
January 30, 2020

Labour

Employee	Job Description	Hours	Time Period	Rate/hr	Total
Jack Morton	Sr. Geologist, prospecting	4	August 2019	\$ 98.00	\$ 392.00
					\$ 392.00

Expenses

Capital Helicopters	\$ 3,269.50
ALS Chemex, as attached	\$ 122.10
	<u>\$ 3,391.60</u>
Total 2019 expenditures	<u>\$ 3,783.60</u>

APPENDIX III
ROCK SAMPLE DESCRIPTIONS

Rock Sample DescriptionsProperty: Fog

Sample Number: R609010 Date Collected: 2019-08-19 UTM: 654640 mE Nad83, Zone 7
Elevation: 5818 m Sampler: Jack Morton UTM: 6909323 mN

Comments: Float sample from felseneer, comprising orange weathering, punky, brecciated and silicified pyroclastic rock, with clasts altered to earthy, tan-white clay.

Sample Number: R609011 Date Collected: 2019-08-19 UTM: 654635 mE Nad83, Zone 7
Elevation: 5819 m Sampler: Jack Morton UTM: 6909314 mN

Comments: Float sample from felseneer, comprising rusty weathering, banded, drusy/cockscornb quartz, with bright orange oxide in druses and patches of pink staining.

Sample Number: R609012 Date Collected: 2019-08-19 UTM: 654644 mE Nad83, Zone 7
Elevation: 5817 m Sampler: Jack Morton UTM: 6909339 mN

Comments: Float sample collected from felseneer, comprising a ~1.5 cm wide, sugary white, vuggy, cockscornb quartz vein, cutting maroon weathering, hematized, rhyodacite tuff, with amygdules filled with earthy tan clay.

APPENDIX IV
CERTIFICATES OF ANALYSIS



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 North Vancouver BC V7H 0A7
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 LIMITED
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Page: 1
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 Plus Appendix Pages
 Finalized Date: 30-OCT-2019
 Account: MTT

CERTIFICATE WH19242486

Project: FOG

This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-SEP-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL
--------------------------------	------------------------------	--------------

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
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	Ultra Trace Aqua Regia ICP-MS	

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: 
 Saa Traxler, General Manager, North Vancouver



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Project: FOG

CERTIFICATE OF ANALYSIS	WH19242486
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Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm	ME-MS41 Cs ppm
R609010		1.31	0.07	0.22	47.8	<0.02	10	1590	0.13	0.02	0.03	0.28	18.25	1.1	7	1.40
R609011		0.71	0.11	0.17	7.1	0.03	<10	50	0.08	0.02	0.01	0.01	20.6	0.2	8	0.72
R609012		0.70	1.05	0.28	36.9	0.02	<10	670	0.12	0.06	0.03	0.01	32.0	0.4	7	2.32



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Project: FOG

CERTIFICATE OF ANALYSIS WH19242486

Sample Description	Method	Analyte	Units	LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41			
					Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
					ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
					0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
R609010					5.5	0.37	1.02	<0.05	0.26	9.58	<0.005	0.15	10.6	0.5	0.01	38	531	<0.01	0.05
R609011					1.7	0.44	0.44	<0.05	0.15	0.03	<0.005	0.12	12.1	0.5	<0.01	37	1.19	<0.01	<0.05
R609012					2.5	0.37	0.75	<0.05	0.22	0.84	<0.005	0.23	18.3	0.3	0.01	31	8.21	<0.01	0.08

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



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Sample Description	Method	Analyte	Units	LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41				
					Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
					ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	
R609010					1.1	50	7.0	7.3	<0.001	0.06	66.1	0.4	<0.2	0.3	42.8	<0.01	<0.01	8.5	<0.005	
R609011					0.6	50	1.9	5.8	<0.001	0.02	1.26	0.2	<0.2	<0.2	4.2	<0.01	<0.01	5.1	<0.005	
R609012					0.6	100	34.4	11.4	<0.001	0.04	4.25	0.5	<0.2	0.2	12.0	<0.01	0.02	9.6	<0.005	



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CERTIFICATE OF ANALYSIS WH19242486

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	Au-ICP21
		Tl	U	V	W	Y	Zn	Zr	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5	0.001
R609010		9.06	5.80	4	0.31	4.72	14	8.8	0.003
R609011		0.06	0.69	2	0.08	2.00	<2	5.0	0.052
R609012		0.25	1.37	2	0.22	3.62	2	8.3	0.026



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CERTIFICATE OF ANALYSIS WH19242486

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
CRU-31 CRU-QC LOG-21 PUL-31
PUL-QC SPL-21 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-MS41