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ASSESSMENT REPORT

describing

ROCK AND SOIL GEOCHEMICAL SAMPLING, AND HAND TRENCHING

Field work performed from July 29 to August 14, 2017

at the

VAULT PROPERTY

Vault 1-180 YD56961 – YD57140

NTS 115G/05 and 115G/12
Latitude 61°31'N; Longitude 139°36'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.

January 2018

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INTRODUCTION

The Vault property is located in the Kluane area of southwestern Yukon. It covers gold-bearing drainages that host placer deposits, mineralized veins and exceptional gold-in-soil geochemical anomalies. Strategic Metals Ltd. holds a 100% interest in the property.

This report describes a rock and soil geochemical sampling, and hand trenching program performed by Archer, Cathro & Associated (1981) Limited on behalf of Strategic Metals. Field work was performed from July 29 to August 14, 2017. The author did not partake in the exploration program, but he did interpret all results from this work. The author's Statement of Qualifications is located in Appendix I, while a Statement of Expenditures appears in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Vault property is located in southwestern Yukon, at latitude 61°31' north and longitude 139°36' west on NTS map sheets 115G/05 and 115G/12 (Figure 1). It comprises 180 contiguous quartz claims that cover an area of approximately 3590 hectares (35.9 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>
Vault 1-180	YD56961 – YD57140	July 15, 2020

* Expiry date does not include 2017 work which has not yet been filed for assessment credit.

The Vault property lies within the traditional territories of the Kluane (KFN) and White River (WRFN) First Nations. KFN has concluded land claim agreements with Canada and Yukon, but WRFN has not. The property is subject to Class 1 Land Use Notifications.

HISTORY AND PREVIOUS WORK

Placer gold operations have been recorded since 1903 on creeks that drain the property. Official production records are not available prior to 1940, but extensive workings on creeks throughout the area suggest substantial work during two gold rushes: from 1903 to 1904 and in the 1920s and 1930s (Tremblay, 2000, 2001). Hard rock exploration in the area began after construction of the Alaska Highway in 1945.

From 1982 to 1990, placer and quartz claims were staked along Reed and Swede Johnson creeks by independent miners. Some placer workings are still in operation, and quartz claims related to those workings form embayments into the Vault property.

In 1952, independent prospector E. Flynn staked groups of claims around Swede Johnson Creek. Subsequent prospecting and mapping revealed copper-stained float and coal seams on the claims (Flynn, 1953). In late 1952, Flynn's claims were transferred to New Algiers Mines Ltd., which

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

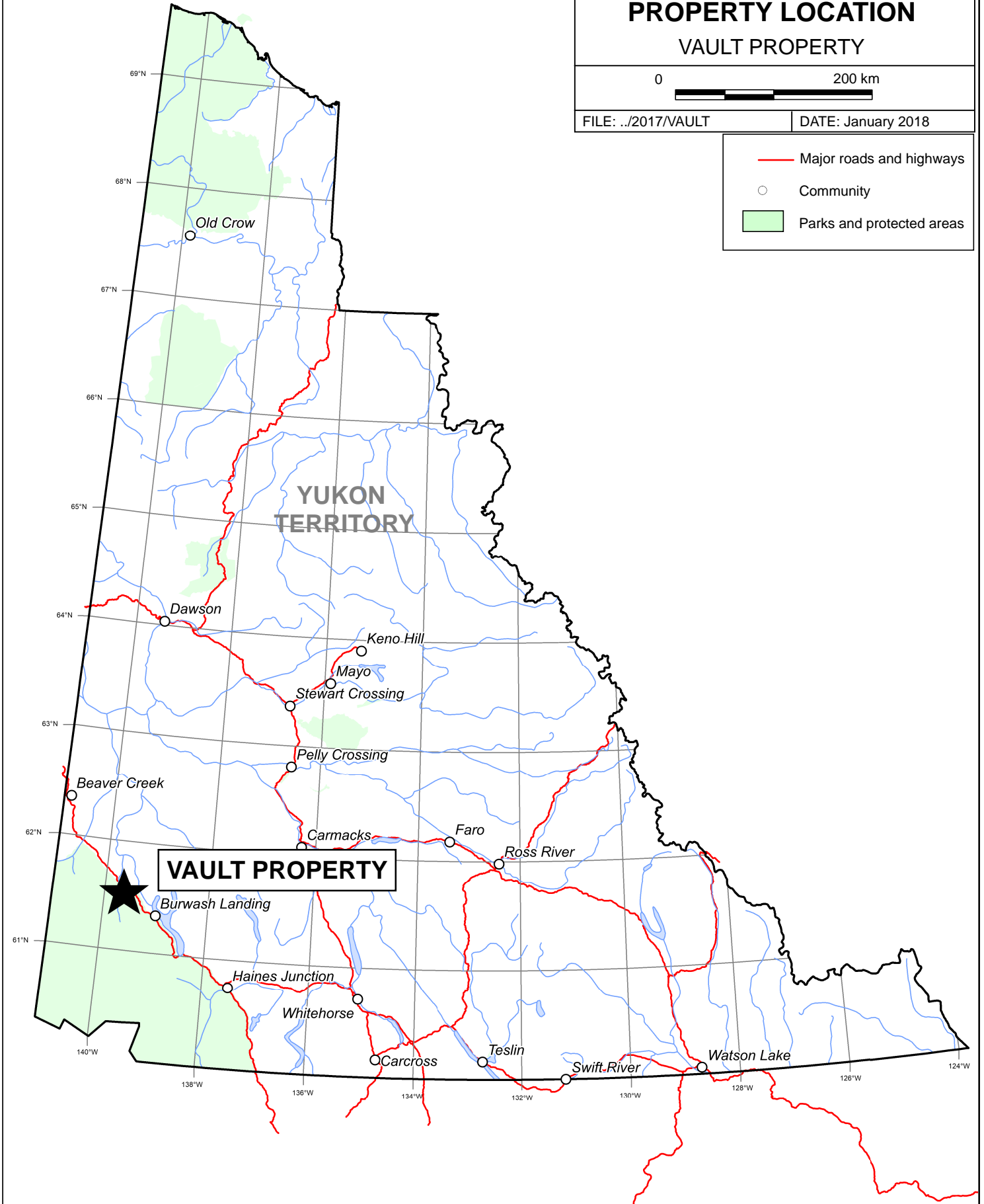
0 200 km

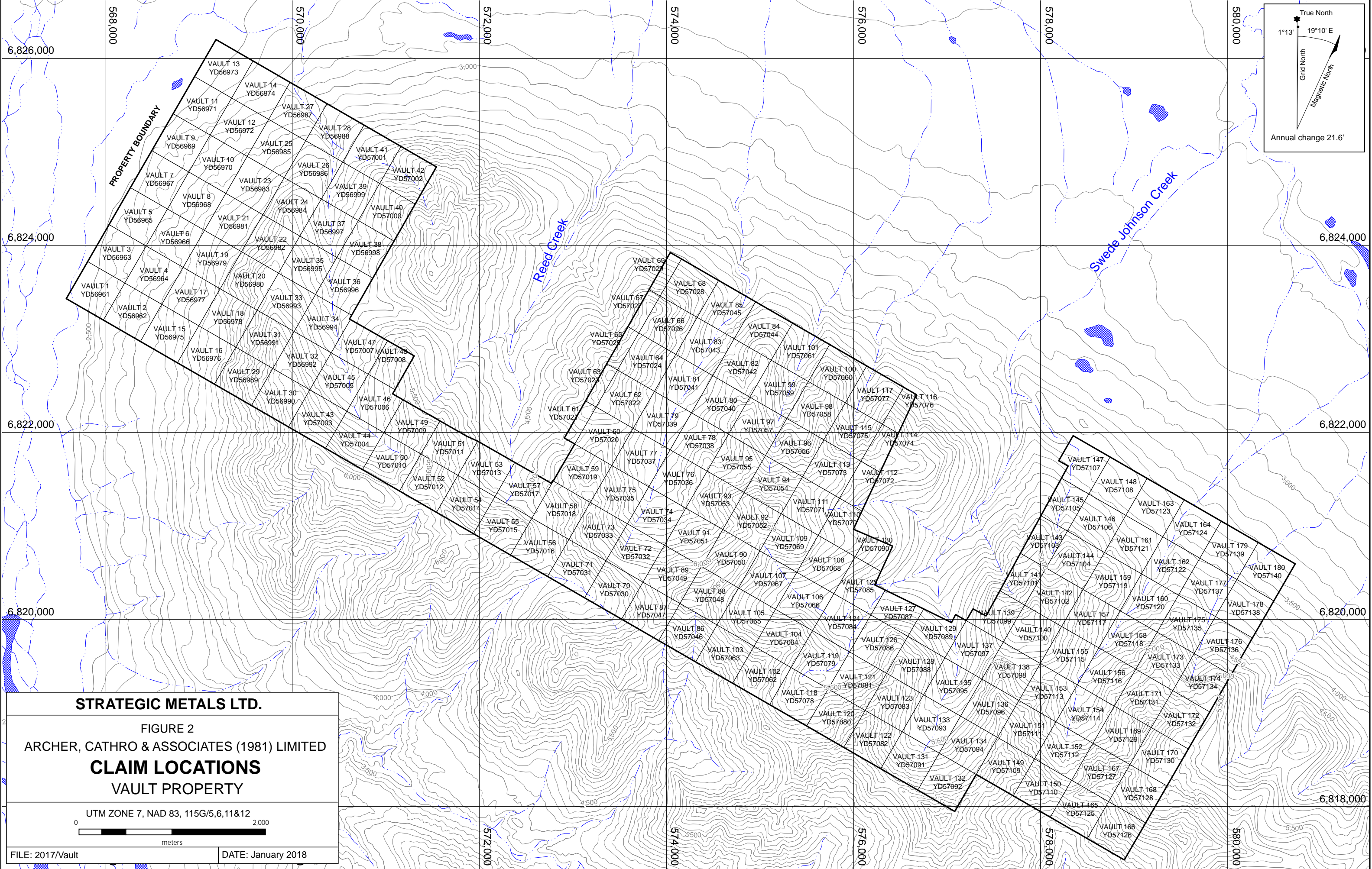


FILE: ../2017/VAULT

DATE: January 2018

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





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

UTM ZONE 7, NAD 83, 115G/5,6,11&12
 0 2,000
 meters

had staked the Polaris and Ursus claims in the area (Figure 3). Prospecting by New Algers Mines discovered pyrite, pyrrhotite, chalcopyrite, galena, sphalerite and magnetite in float throughout the area (Tair, 1953). This mineralization is collectively referred to as the Swede Johnson occurrence.

Also in 1952, Teck Exploration Company Ltd. staked the Musketeer and Conwest nickel-copper showings as the Musketeer claim group, part of which is now covered by the current Vault claims (Figure 3). Geological mapping and prospecting were carried out in 1953, but no results were reported (Vanwermeskerken, 2001).

In 1955, Teck conducted electromagnetic and magnetometer surveys on the Musketeer claims. Several anomalies were defined by the EM survey, but the cause of anomalies was not identified. A resistivity survey was performed to follow up these surveys. Teck concluded the anomalies were linked to weakly disseminated sulphide minerals (Walker, 1955 and 1956).

In 1980 and 1981, Archer Cathro did regional-scale exploration in selected parts of Yukon on behalf of the NAT Joint Venture (NAT JV), which comprised Chevron Canada Limited and Armco Mineral Exploration Ltd. Prior to commencing field work, NAT JV reanalysed over 5,000 previously collected geochemical sample splits for gold, silver, arsenic and lead. A total of 16 soil samples and 44 stream sediment samples were reanalyzed from the current Vault property, returning up to 135 ppb and 425 ppb gold, respectively (Archer and Onasick, 1980 and 1981).

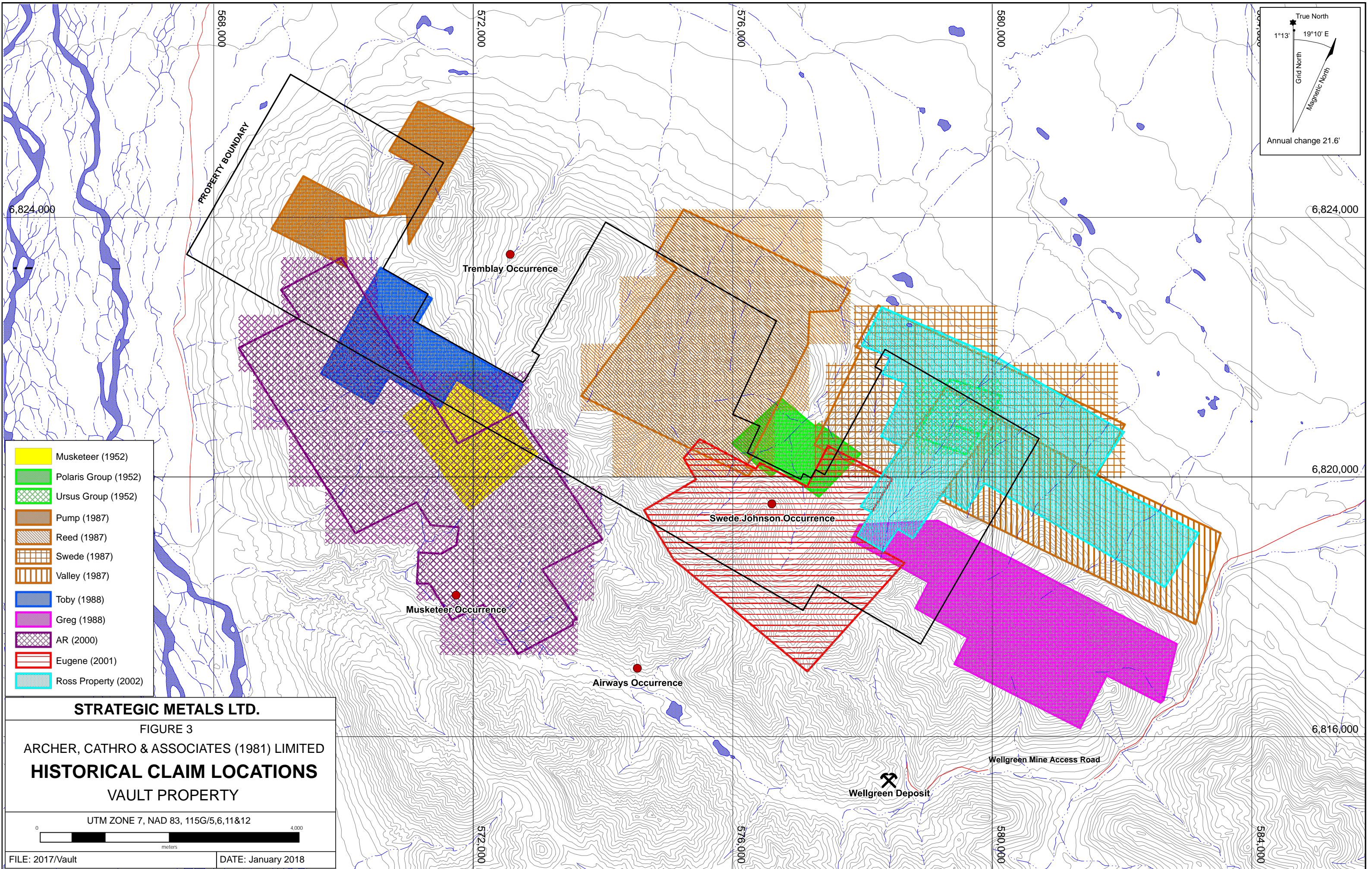
In 1983, AGIP Canada Ltd. staked claims north of the Swede Johnson occurrence. No record of work is available and the claims were allowed to lapse.

In 1986, prospector L. Smith re-staked the AGIP claims and performed a trenching program. No results are available for this work.

In 1986, Kluane Joint Venture (KJV), comprised of Chevron Minerals Ltd. and All-North Resources Ltd., staked and optioned claims to form the Arch property, which covered the Musketeer showing and extended north to encompass part of the current Vault property. Later in the year, KJV entered into option agreements with Pak-Man Resources Inc. and Rockridge Mining Corp.

In 1987, Pak-Man Resources, Rockridge Mining and KJV staked additional claims and conducted mapping, soil sampling and rock sampling on the Eugene claims, an area overlapping part of the current Vault claims. Strongly anomalous values (up to 10,000 ppb gold) were returned from three consecutive soils samples over a 75 m strike length, below a quartz-carbonate alteration zone developed in pyroclastic volcanic rocks (Eaton, 1988).

Also in 1987, Reed Creek Joint Venture (RCJV) staked the Valley, Reed, Pump and Swede claims to cover an aeromagnetic anomaly coinciding with a regionally extensive ultramafic sill, similar in age to a sill that hosts nickel-copper-platinum group element (PGE) mineralization at the nearby Wellgreen deposit. Work on the RCJV claims consisted of geological mapping, reconnaissance prospecting and geochemical sampling. Prospecting identified glacially



transported ultramafic or gabbro float. Soil and stream sediment sampling returned sporadic gold anomalies (up to 350 ppb gold-in-soil), along with elevated copper and platinum values (Carne, 1988).

Also in 1987, D.E. Makkonen staked the Toby claims in the headwaters of Reed Creek. A total of 62 soil samples were collected along the ridgeline and on contour lines. The two best samples returned 133 ppb and 125 ppb gold with 350 ppm and greater than 1,000 ppm arsenic, respectively (Makkonen, 1988).

Also in 1987, independent miner Bill Zikos staked the Greg claims which extended onto the southeastern corner of the current Vault property. A prospecting and reconnaissance sampling program was conducted later that year. This program returned up to 104 ppb gold, but all samples were collected from outside of the current property boundary (Davidson, 1988).

In 1988, Pak-Man, Rockridge and KJV prospected around soil geochemical anomalies on the Eugene claims. Float samples yielded up to 5 g/t gold, but chip samples from bedrock returned only 420 ppb gold and 479 ppm arsenic (Eaton, 1988).

From 1990 to 1992, independent miners R. McIntosh and F. Ellis staked and explored the O.K. claims. These claims were sampled by Placer Dome Exploration Ltd. in 1992, returning up to 1425 ppb gold-in-silt, 56 ppb gold-in-soil and 540 ppb gold-in-rock (Tremblay, 2000).

Between 1990 and 1994, L. and G. Smith staked claims in the area and conducted hand trenching, mechanized trenching and drilling on the Glenn, Mary, Graham and Gamble claims (YGS, 2015). No detailed work history or results are available.

From 2000 to 2002, R. McIntosh and F. Ellis, conducted work programs on the Ross property, which included the O.K., Ross, FRM, BO and NJ claims. These programs included prospecting, geochemical sampling and mapping (McIntosh and Ellis, 2000, 2001, 2003). Sampling returned a maximum of 6667 ppb gold from an undescribed rock sample, but all other samples taken returned weakly anomalous values (Tremblay, 2000).

In 2010, Strategic Metals staked the current Vault claims and undertook a prospecting and geochemical sampling program on the property. A total of 14 rock and 679 soil samples were collected. Rock samples yielded strongly anomalous gold and copper results up to 868 ppb and 16,950 ppm, respectively, from separate samples. Soil sampling returned up to 997 ppb gold, including a string of eight consecutive samples ranging from 100 to 515 ppb gold.

In 2011, Alix Resources Corp. signed an option agreement with Strategic Metals. A prospecting and geological mapping program was completed later in the year. Rock samples returned up to 1.03 g/t gold, 13.2 g/t silver and 24.49 % copper (Victorino and Ledwon, 2011). Following the work program, Alix Resources relinquished its option.

In 2015, Government of Yukon and KFN flew airborne magnetic and electromagnetic surveys across the Wellgreen nickel-copper belt, which encompassed the Vault property.

In 2015, Strategic Metals conducted a LiDAR survey over the Vault property in order to obtain more accurate topographic data for the property.

In 2016, Strategic Metals compiled exploration data onto LiDAR images in order to identify prospective areas for future programs.

GEOMORPHOLOGY AND CLIMATE

The Vault property is situated along the northeastern edge of the Kluane Range about three kilometres east of the Donjek River. Creeks draining the property flow northward into the Kluane River or westward into the Donjek River. All of the streams are part of the Yukon River watershed.

The property is located in the foothills of the St. Elias Mountains and covers the north side of a west-northwesterly trending ridge system. Local terrain is characterized by long steep talus slopes separated by sharp spur ridgelines and deeply eroded creek valleys leading into a broad glacial valley. Elevations on the property range from approximately 762 to 2150 m above sea level (asl). Outcrop is abundant along ridge crests and actively eroded creek cuts.

Treeline on the property is at approximately 1350 m asl. Vegetation consists of stunted black spruce and thick moss near the valley floor, giving way to willow and black birch on lower slopes, and moss, lichen and grass on stable upper slopes. The property was glaciated during the Late Pleistocene, with alpine and regional ice sheets migrating northerly to northwesterly, up the Donjek River valley (Duk-Rodkin, 1999). Peak glacial elevation on the property reached 1300 m asl (Kennedy, personal communication, 2017).

The climate 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 early June to early September.

REGIONAL GEOLOGY

The Vault property lies along the northeastern edge of the Wrangellia Terrane (WRT), as shown on Figure 4. The WRT represents a Pennsylvanian to Upper Jurassic oceanic plateau composed of metavolcanic, metasedimentary and metaplutonic rocks (Greene, et al, 2005). A continental-scale flood basalt event is the key characteristic of WRT, which can be traced from Vancouver Island to Alaska. The WRT was accreted to the North American craton in the Late Jurassic or Early Cretaceous.

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, 2017). The main lithological units are described below in Table I, while regional geology is shown on Figure 5.

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

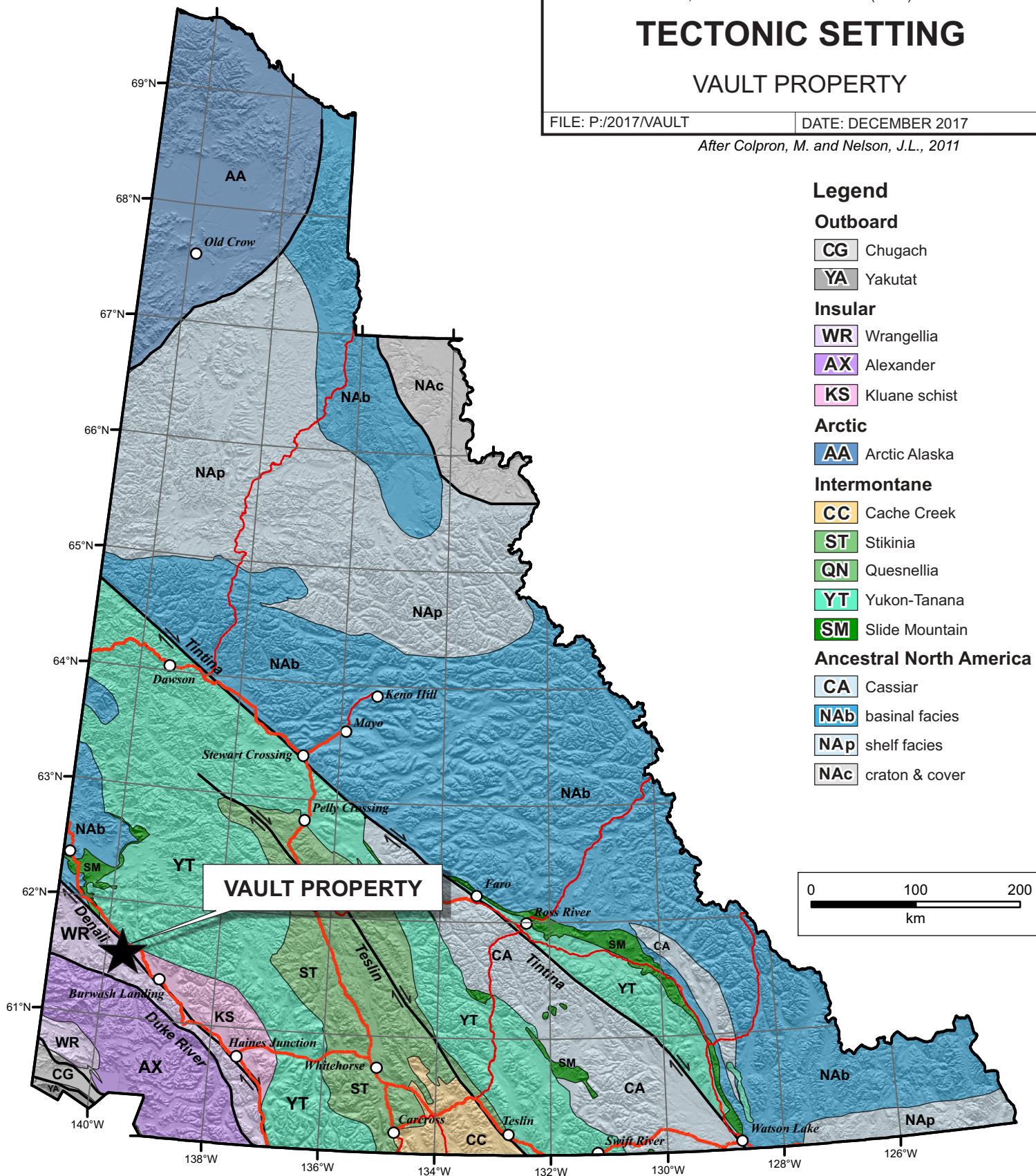
TECTONIC SETTING

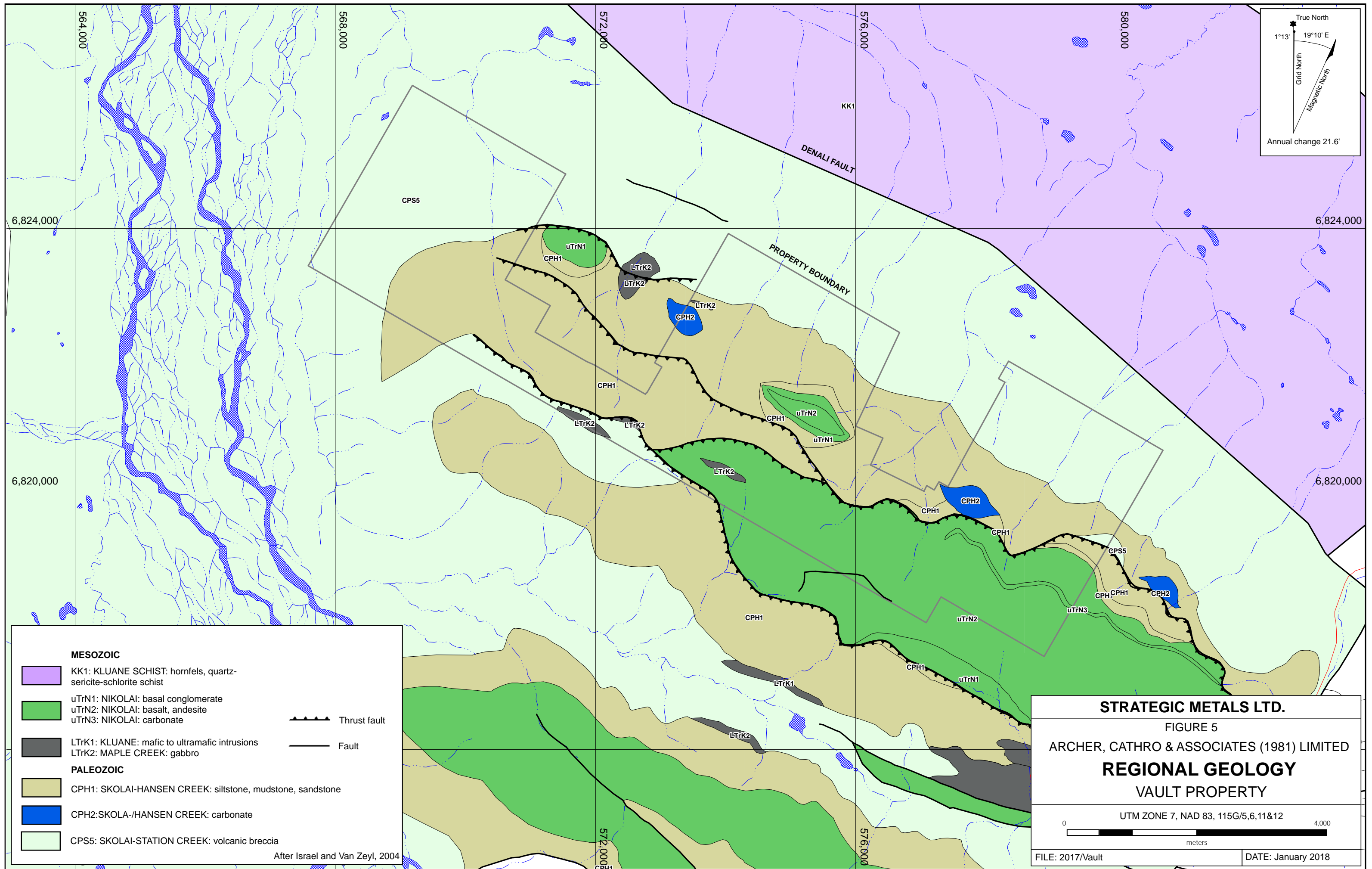
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FILE: P:/2017/VAULT

DATE: DECEMBER 2017

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





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 FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

0 4,000
 meters

FILE: 2017/Vault DATE: January 2018

After Israel and Van Zeyl, 2004

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

Unit Name	Age	Map Name	Description
Nikolai	Upper Triassic	UTrN1	Basal conglomerate. Volcanic breccia, pillow lava and conglomerate at base.
		UTrN2	Basalt, andesite. Amygdaloidal basaltic and andesitic flows, with local tuff, breccia, shale and thin-bedded bioclastic limestone (Nikolai Greenstone).
		UTrN3	Minor limestone. Locally includes dark grey phyllite and minor thin grey Middle Triassic limestone.
Kluane Ultramafic Suite	Late Triassic	LTrK1	Mafic to ultramafic intrusions including peridotite and dunite. Sheeny black peridotite, rare dunite (Kluane-type Mafic-Ultramafics Gabbro-Diabase Sills).
		LTrK2	Mafic to ultramafic intrusions including peridotite and gabbro. Medium grey-green, massive, medium-grained pyroxene gabbro and greenstone sills (Maple Creek gabbro).
Kluane Schist	Mesozoic	KK1	Dark purplish brown staurolite-cordierite-biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist; minor quartzite.
Skolai – Hansen Creek	Lower Permian to Carboniferous	CPH1	Fine-grained clastic rocks. Interbedded dark grey and brown-weathered siltstone, mudstone and medium to coarse-grained sandstone; lower part contains volcanoclastic sandstone, tuff and rare basaltic flows; rare dark grey to black chert beds and chert-pebble conglomerate (Hansen Creek Formation).
		CPH2	Carbonate. Light to medium grey, massive to bedded limestone; locally fossiliferous; fossils include corals and crinoids.
Skolai – Station Creek	Carboniferous	CPS5	Volcanic rocks succeeded upward by clastic strata including minor limestone. Laminated to thinly bedded, light grey to light green volcanic tuff and volcanoclastic siltstone; local crystal rich tuffs interbedded with fine-grained volcanic ash.

Regional-scale mapping shows the Vault property is underlain by a basement of Hansen Creek Formation (HCF) metasediments and Station Creek Formation (SCF) volcanic rocks. These basement rocks are capped by Nikolai Formation (NF) flood basalts, and all of these units are intruded by near-coeval northwesterly trending, peridotite to gabbro, sills and plugs belonging to the Kluane Ultramafic Suite (KUS).

The rocks within the Kluane Range were deformed during their Jurassic to Cretaceous accretion to North America and have seen later strain related to more recent movement on the Denali Fault. Numerous folds, thrust and high angle faults have been mapped.

PROPERTY GEOLOGY

Property-scale geological mapping was conducted in 2011 by Alix Resources. The following description is based on this mapping, plus work completed in the Quill Creek area by the YGS, which overlaps the Vault property (Israel and Van Zeyl, 2004). Figure 6 illustrates property geology.

Detailed mapping on the Vault property generally agrees with regional-scale mapping. Meta-andesites and volcanoclastics of the SCF occur throughout much of the eastern part of the property and are overlain by HCF metasediments in the central and southwestern regions. The HCF, which underlies roughly a third of the property, is made up of phyllite, schist, slate and isolated beds of limestone that form caps along some ridgetops. In the southeastern corner of the property, NF flood basalts are found. Felsic dykes are intruded along the contacts of these basalts.

Quartz diorite and peridotite to gabbro sills and dykes of the Maple Creek Gabbro sporadically intrude all of the stratified units. In the central and northwestern parts of the property, undifferentiated plugs have been mapped near thrust faults.

Approximately 1800 m to the northeast of the Vault property, the Denali Fault, a major dextral strike-slip fault juxtaposes the Wrangellia and Kluane Schist Terranes. Along the southwestern edge of the property, a system of northwesterly trending thrust faults, which have been traced for 20 km, juxtapose NF basalts with members of the HCF and SCF. A northwesterly trending syncline has been mapped in the south-central part of the property.

MINERALIZATION

Early stage exploration on the property suggests mineralization is localized within stockwork or sheeted quartz-carbonate veins, some of which have envelopes of carbonate alteration. Mineralization consists of typically fine-grained pyrite, chalcopyrite, malachite, azurite, minor arsenopyrite and hematite. Weakly disseminated sulphides have also been identified in some phyllite, schist and volcanics.

Quartz-calcite vein float containing coarse visible gold has been recovered from Reed Creek along the entire three kilometre length of the placer operation, with float ranging from fist-sized to one metre across. The source or sources of this gold-bearing float are not known with certainty, but some veins and faulted sediments exposed by the Reed Creek placer operation (Tremblay occurrence), on claims that form an embayment into the Vault property, host angular gold (Carne, 1988).

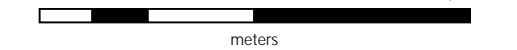
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FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

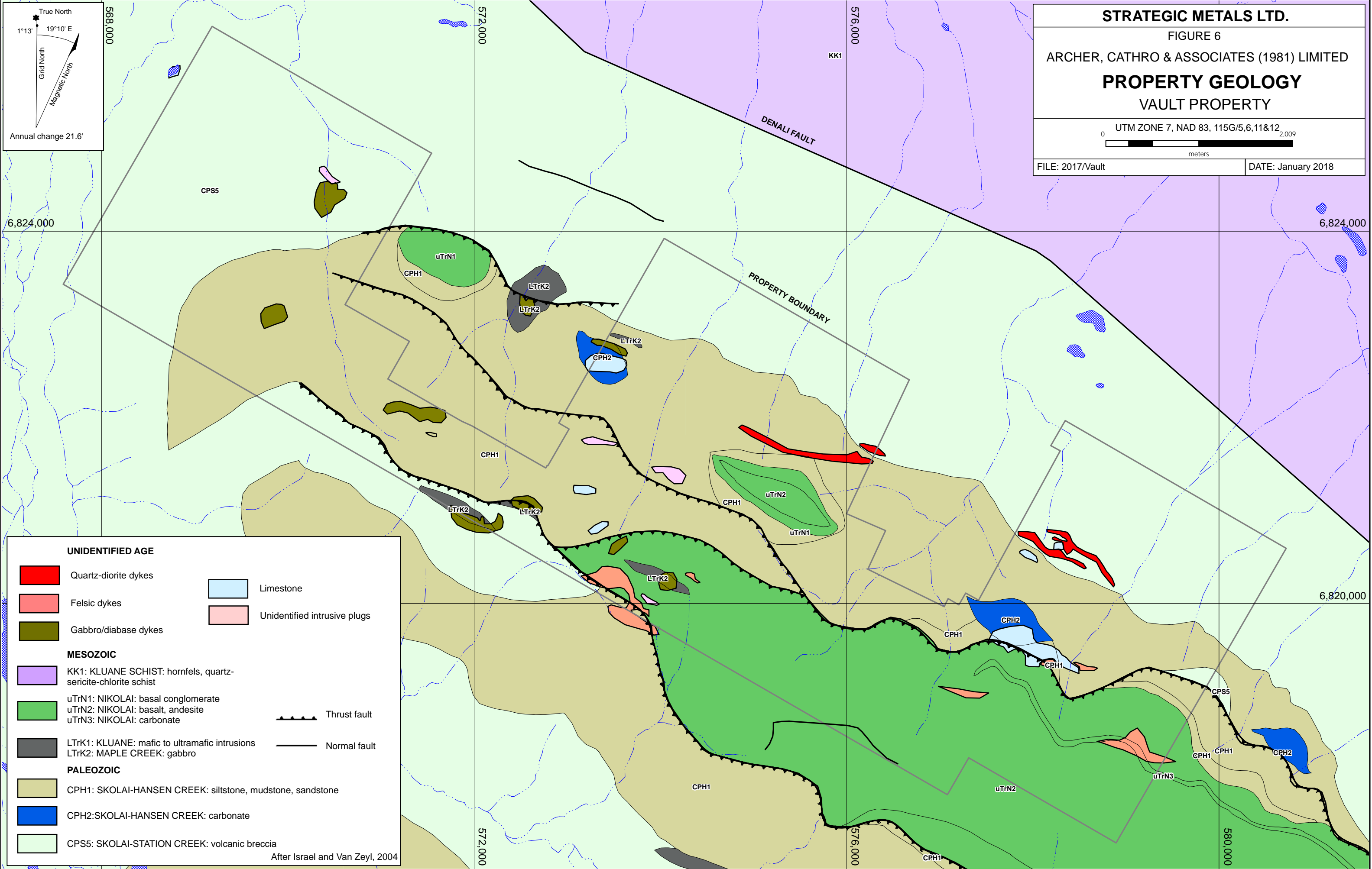
PROPERTY GEOLOGY
VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12



FILE: 2017/Vault

DATE: January 2018



UNIDENTIFIED AGE

- Quartz-diorite dykes
- Felsic dykes
- Gabbro/diabase dykes
- Limestone
- Unidentified intrusive plugs

MESOZOIC

- KK1: KLUANE SCHIST: hornfels, quartz-sericite-chlorite schist
- uTrN1: NIKOLAI: basal conglomerate
- uTrN2: NIKOLAI: basalt, andesite
- uTrN3: NIKOLAI: carbonate
- LTrK1: KLUANE: mafic to ultramafic intrusions
- LTrK2: MAPLE CREEK: gabbro

PALEOZOIC

- CPH1: SKOLAI-HANSEN CREEK: siltstone, mudstone, sandstone
- CPH2: SKOLAI-HANSEN CREEK: carbonate
- CPS5: SKOLAI-STATION CREEK: volcanic breccia

Thrust fault

Normal fault

After Israel and Van Zeyl, 2004

In 2017, a total of 52 rock samples were collected from the property. Rock sample locations are found on Figure 7, while thematic results for all rock samples are shown on Figures 8 through 10 for gold, silver and copper, respectfully.

The best rock sample, a piece of pyrite-bearing rusty quartz vein float within a sericitic phyllite, returned 8.27 g/t gold and 2.71 g/t silver. Significant results from samples collected between 2010 and 2017 are listed below, in Table II.

Table II – Rock Sample Highlights

Type	Year	Gold (ppb)	Silver (ppm)	Copper (ppm)
Rock – grab	2010	868	0.1	494
Rock – grab	2010	18	1.6	16,950
Rock – grab	2011	388	13.2	244,900
Rock – grab	2011	133	5.94	161,900
Rock – grab	2017	8270	2.71	202
Rock – grab	2017	17	15.9	156,500
Rock – grab	2017	2940	0.7	293
Rock – grab	2017	2290	0.6	226
Rock – grab	2017	1730	2.9	180

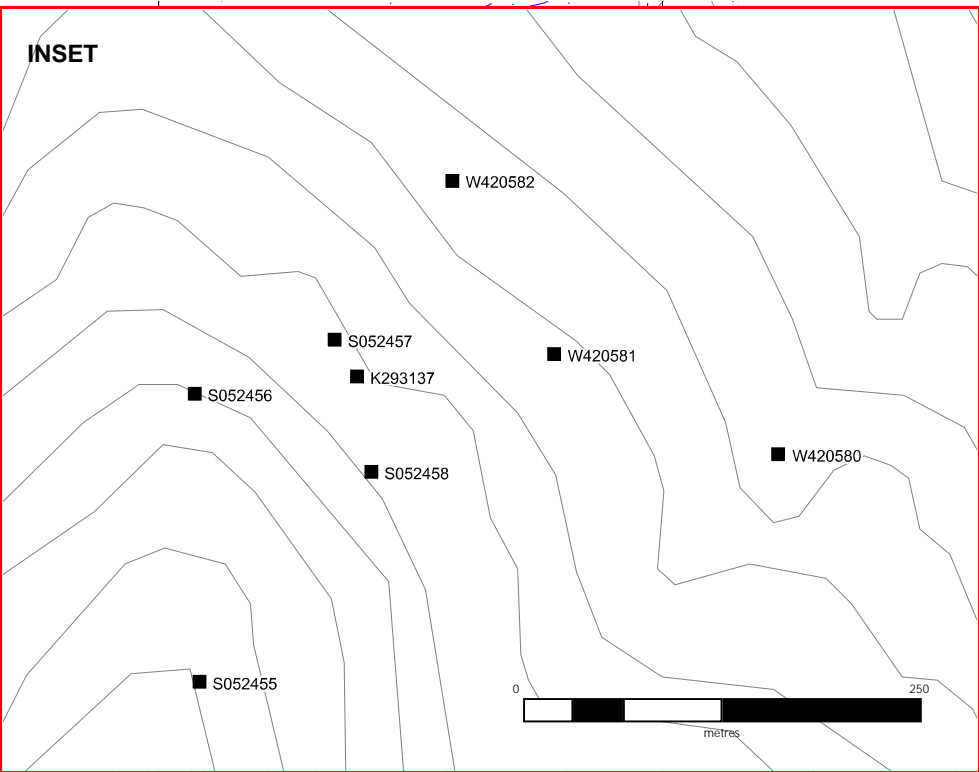
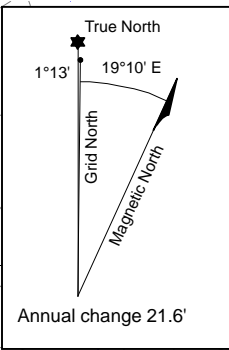
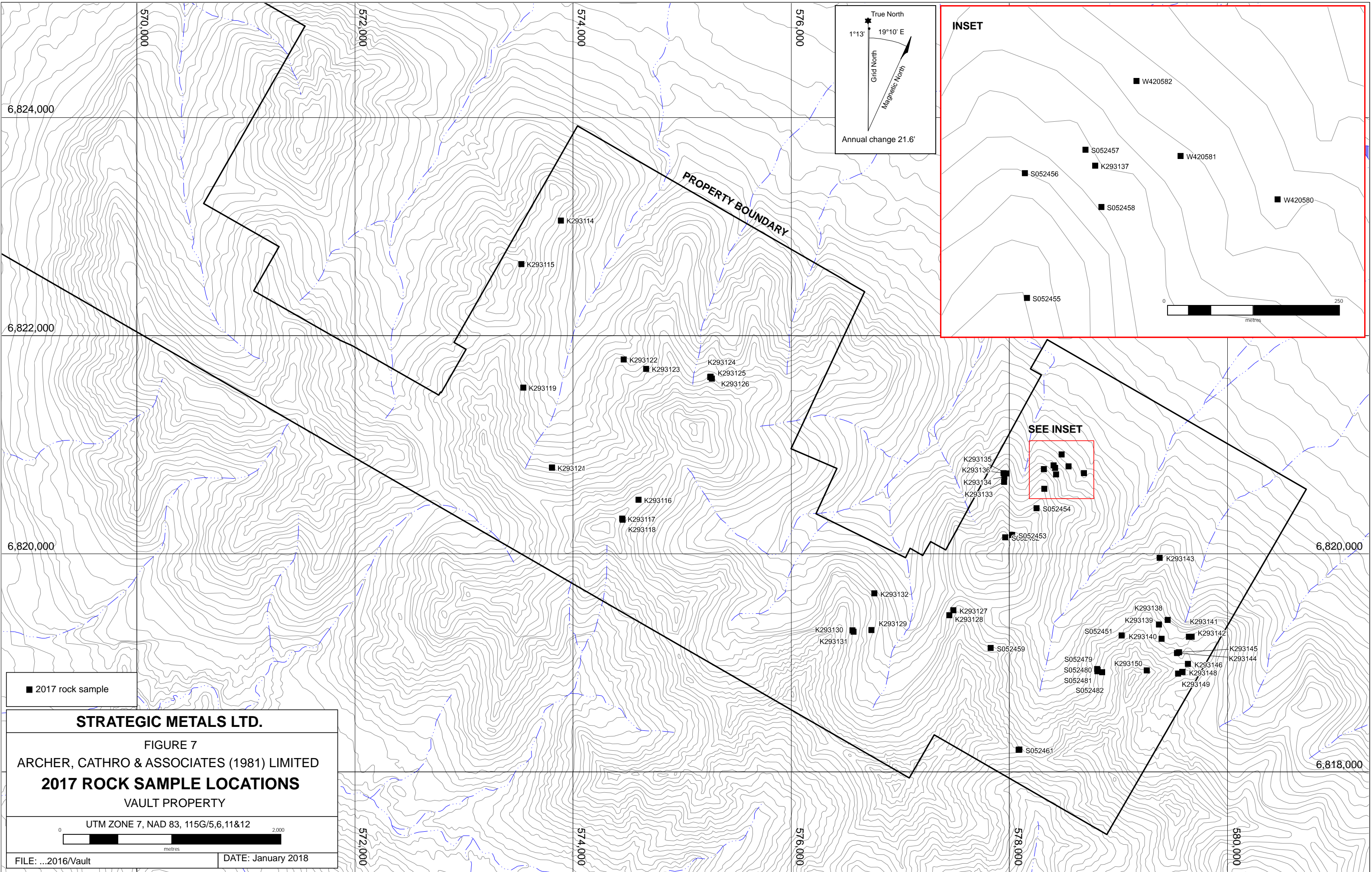
Rock sampling from 2017 yielded four samples grading more than 1 g/t gold, which were collected from three different areas on the property.

Samples from the northeastern part of the property, collected from a northwesterly trending recessive linear (Linear C), returned up to 8.27 g/t. This linear, which parallels known thrust faults, is outlined by a well-defined multi-element soil geochemical anomaly (Anomaly A).

In the southeastern part of the property, multiple samples have been collected, which exceed 1 g/t gold (up to 2.94 g/t). These samples closely follow the trace of a northwesterly trending thrust fault, and partially overlap a multi-element soil geochemical anomaly (Anomaly C) found on the hanging wall side of that fault. Rocks collected from this area in 2017 also returned up to 15.6% copper; however, copper values are not directly correlated with gold values.

In the north-central part of the property a single rock sample, collected along the trace of a northwesterly trending thrust fault, returned 1.73 g/t gold. This sample coincides with a 3000 by 1000 m soil geochemical anomaly, Anomaly D.

The 2017 rock sample sites were marked with orange flagging tape labelled with their respective sample number. The location of each sample was determined using a hand-held GPS unit. Sample preparation for 2017 rock samples was carried out by ALS Minerals in Whitehorse and then sent to North Vancouver, where the samples were dried, fine crushed to better than 70% passing -2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis (ME-ICP41). An additional 50 g charge was further analyzed for gold by fire assay with inductively coupled plasma-atomic emissions



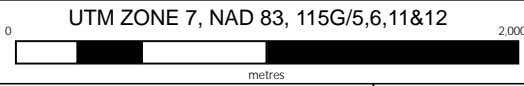
■ 2017 rock sample

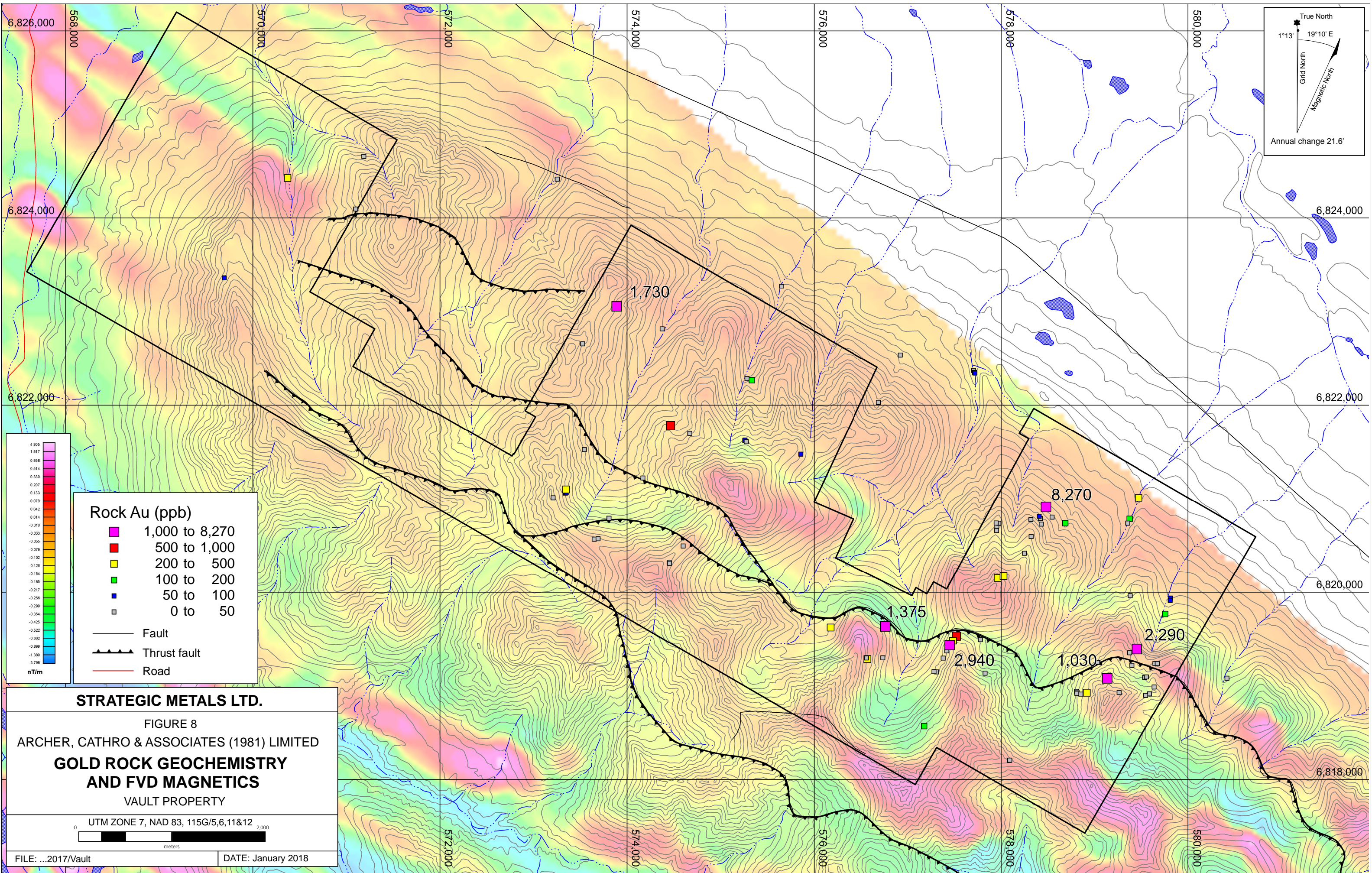
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FIGURE 7
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
2017 ROCK SAMPLE LOCATIONS
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

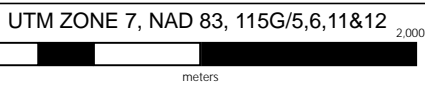
FILE: ...2016/Vault DATE: January 2018



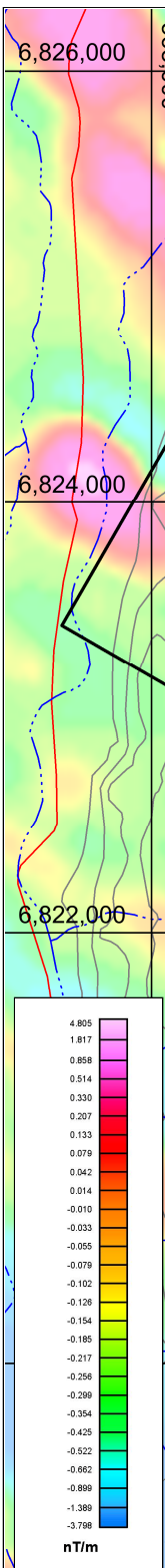
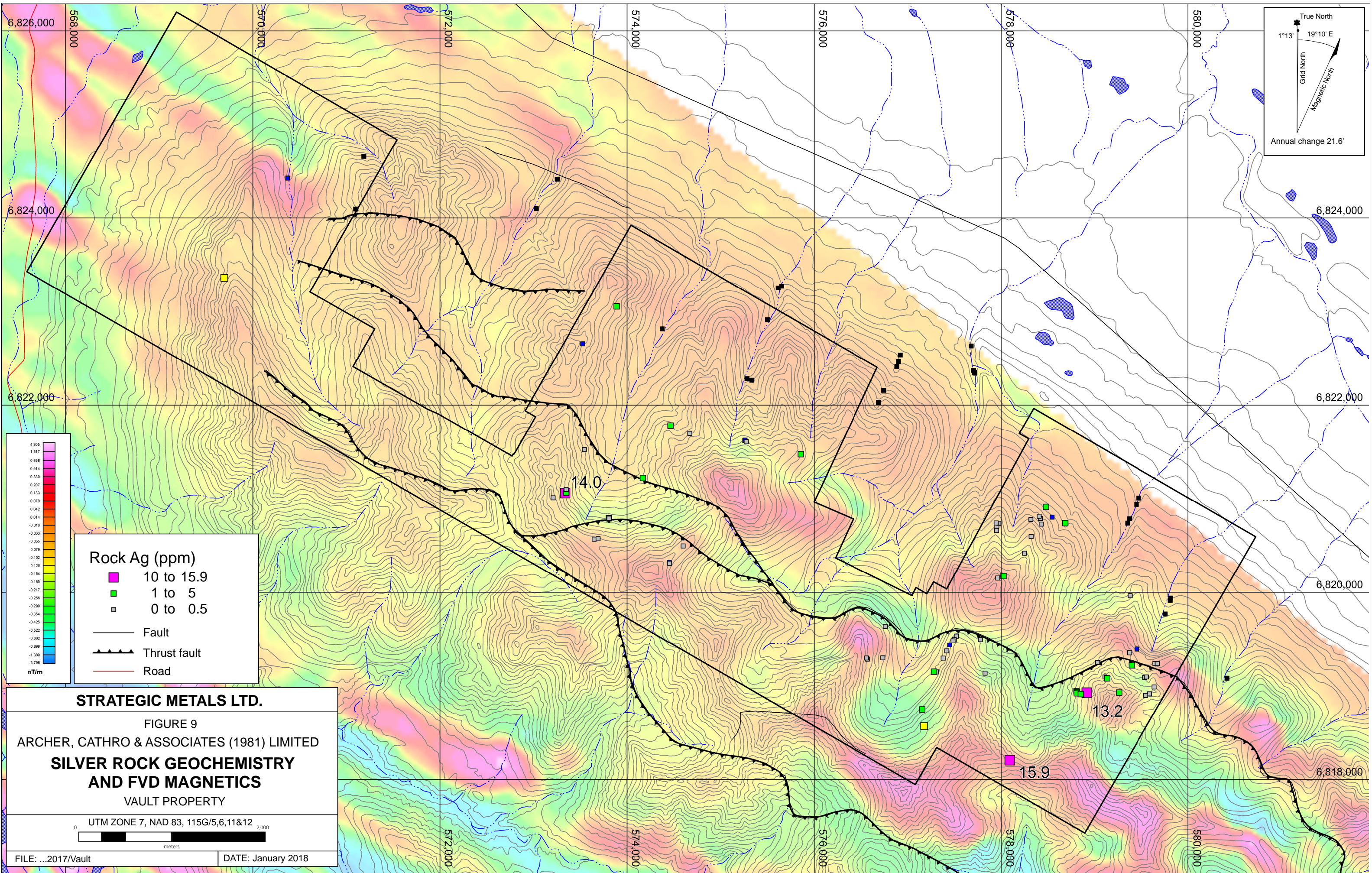


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FIGURE 8
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**GOLD ROCK GEOCHEMISTRY
 AND FVD MAGNETICS**
 VAULT PROPERTY



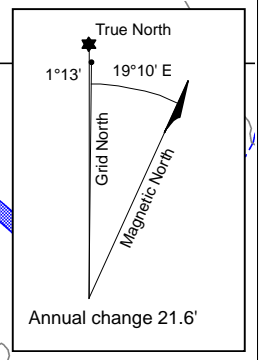
FILE: ...2017/Vault DATE: January 2018



Rock Ag (ppm)

- 10 to 15.9
- 1 to 5
- 0 to 0.5

— Fault
 ▲ Thrust fault
 - - - Road

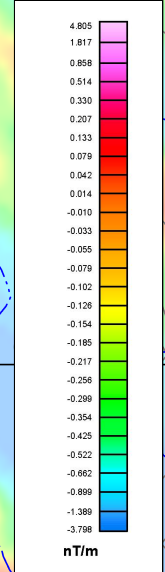
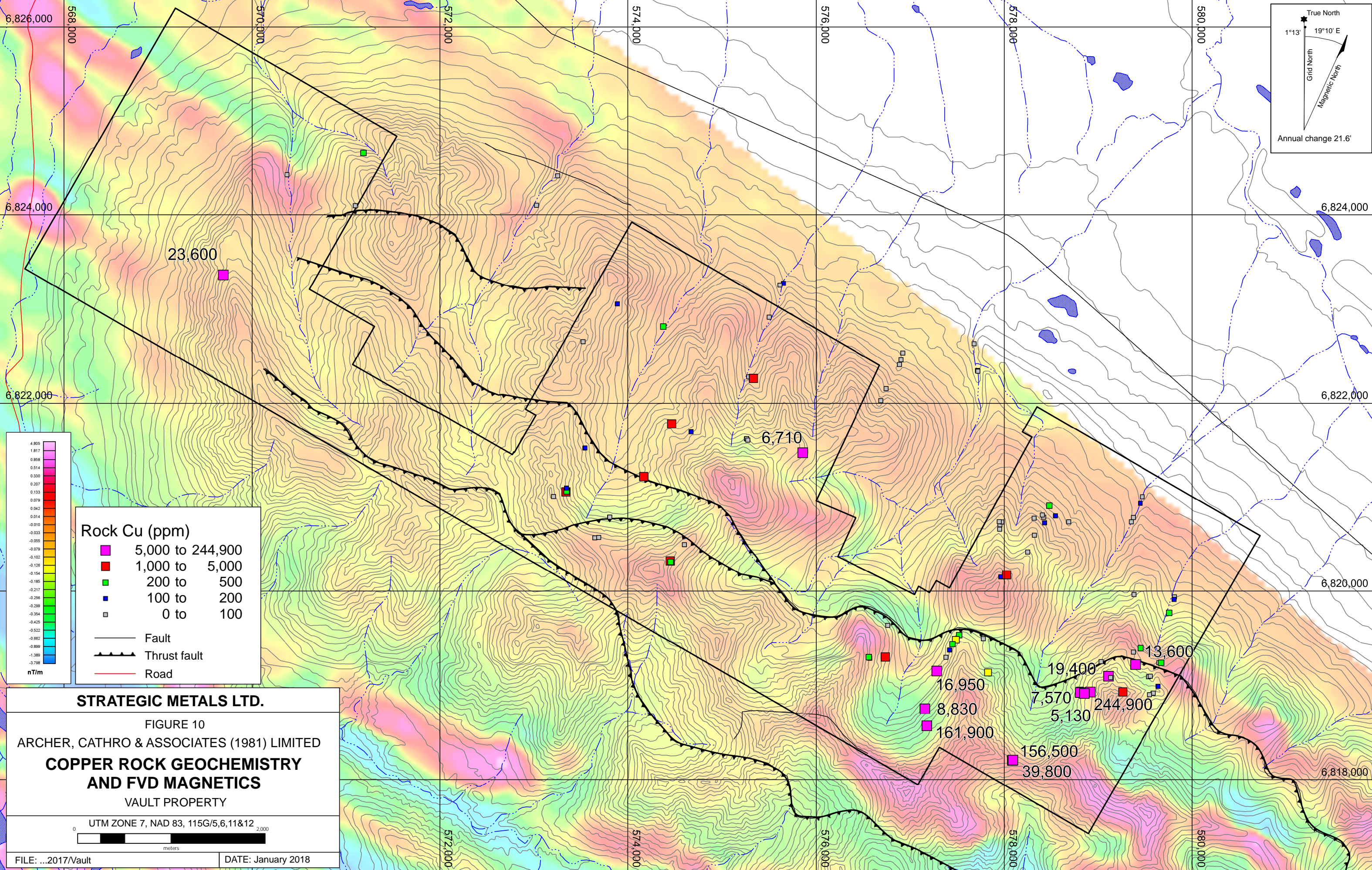
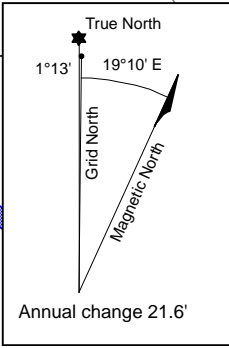
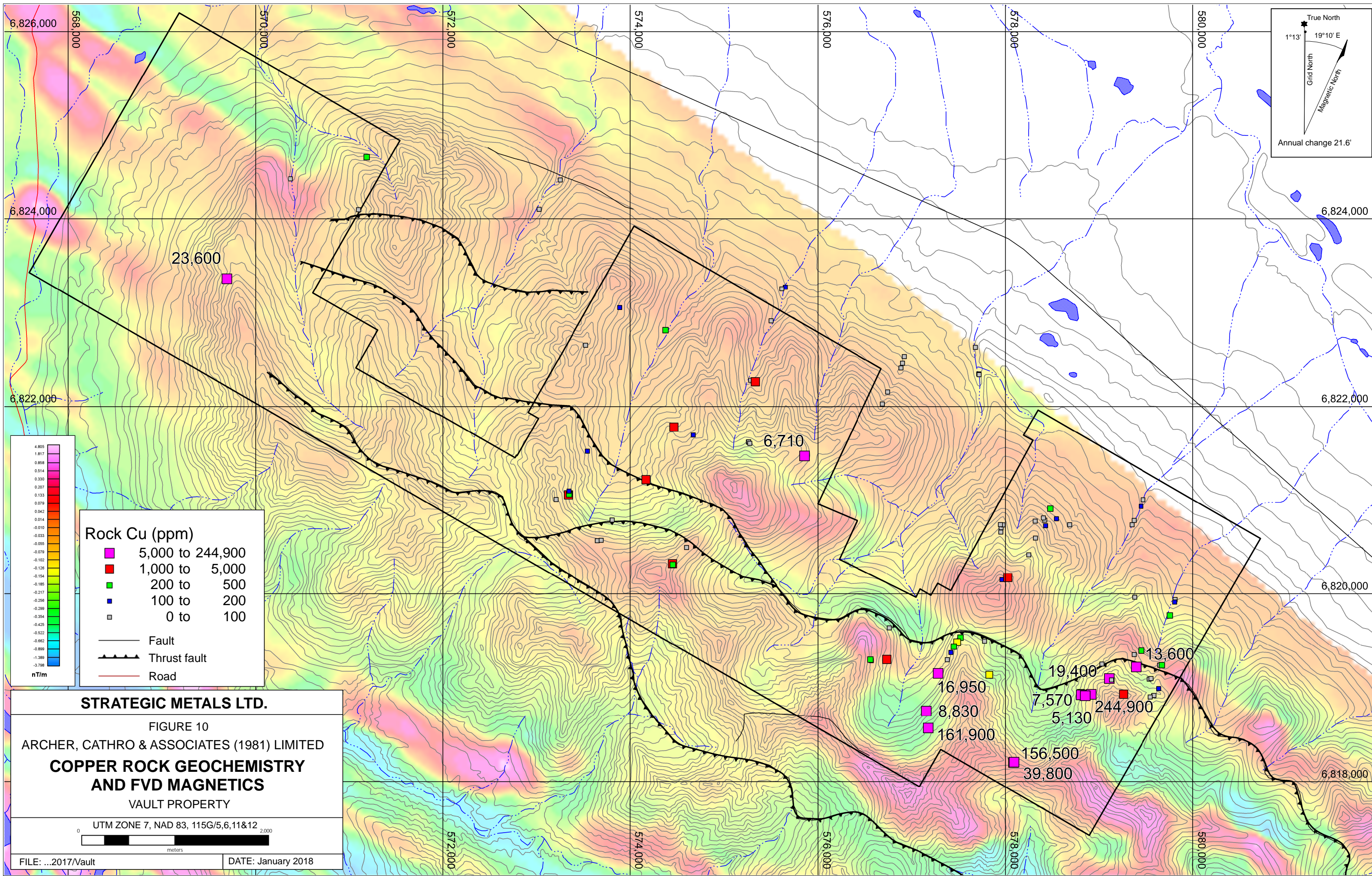


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FIGURE 9
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**SILVER ROCK GEOCHEMISTRY
 AND FVD MAGNETICS**
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

FILE: ...2017/Vault DATE: January 2018



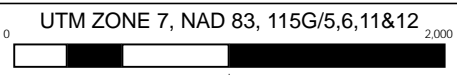
Rock Cu (ppm)

- 5,000 to 244,900
- 1,000 to 5,000
- 200 to 500
- 100 to 200
- 0 to 100

— Fault
 —▲— Thrust fault
 — Road

STRATEGIC METALS LTD.

FIGURE 10
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**COPPER ROCK GEOCHEMISTRY
 AND FVD MAGNETICS**
 VAULT PROPERTY



FILE: ...2017/Vault DATE: January 2018

23,600

6,710

16,950
 8,830
 161,900

19,400
 7,570
 5,130
 244,900
 156,500
 39,800

13,600

6,818,000

spectroscopy finish (Au-AA24). During geochemical analysis, select screens were checked for visible gold. Rock sample descriptions and Certificates of Analysis for 2017 rock samples can be found in Appendix III and Appendix IV, respectively.

SOIL GEOCHEMISTRY

Soil geochemical surveys have been conducted on the various parts of the Vault property since 1980. In 2017, a total of 506 soil samples were collected from the eastern and central parts of the property. Soil sample locations are plotted on Figure 11, while results for gold, silver, copper and arsenic are plotted on Figures 12 to 15, respectively. Anomalous thresholds and peak values for metals of interest are listed in Table III.

Table III – Soil Geochemical Thresholds

Element	Weak	Moderate	Strong	Peak results	2017 Peak results
Gold (ppb)	≥ 10 < 50	≥ 50 < 100	≥ 100 > 10,000	>10,000	4380
Silver (ppm)	≥ 0.5 < 1	≥ 1 < 5	-	3.7	3.7
Copper (ppm)	≥ 100 < 200	≥ 200 < 500	≥ 500 ≤ 1505	1505	1120
Arsenic (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 ≤ 5990	5990	5120

To date, soil sampling on the property has identified six northwesterly trending anomalies, which are described as follows.

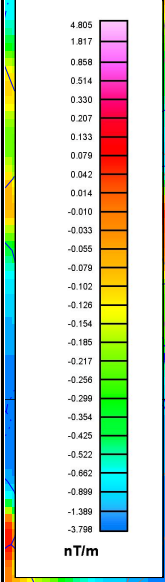
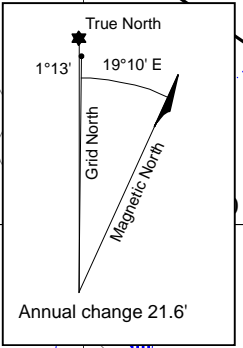
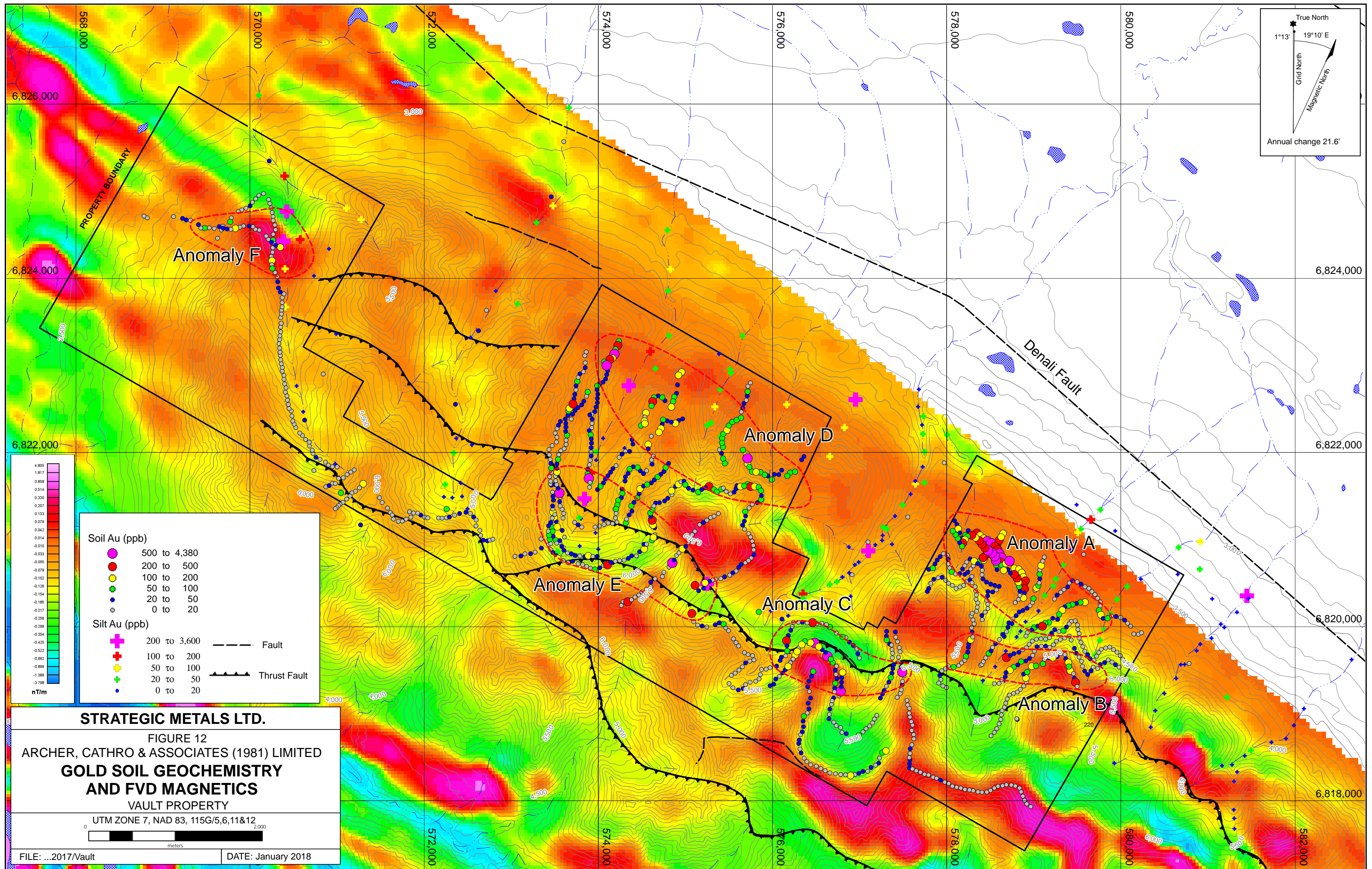
Anomaly A is an approximately 2200 by 1000 m area located in the eastern part of the property. The anomaly covers a northwesterly trending recessive linear (Linear C) identified in 2016. An 800 m long cluster of soil samples returned multiple samples exceeding 1000 ppb gold (up to 1120 ppb gold) along and downhill of this linear.

Anomaly B is an 1800 by 350 m trend that lies approximately 300 m south of Anomaly A. Peak soil results from this area are 308 ppb gold and 670 ppm copper.

Anomaly C is 1600 by 700 m area located along a northwesterly trending thrust fault. Soil sampling has yielded up to 1015 ppb gold, 1.2 ppm silver and 712 ppm copper from the hanging wall slopes.

Anomaly D is a 3000 by 1000 m area located in the north-central part of the claims. It is strongly anomalous for gold, silver and copper, with contour soil geochemical sampling yielding up to 1120 ppb, 2.8 ppm and 1485 ppm, respectively. A string of very anomalous gold-in-soil occurs on the northwestern slopes of the anomaly, and silt sampling in the creek below returned up to 3600 ppb gold.

Anomaly E lies 1000 m northwest of Anomaly C and is a 2300 by 1000 m area situated along the same northwesterly trending thrust fault as Anomaly B. Contour soil samples taken on slopes and ridges from the hanging wall side of the fault yielded highly anomalous gold (up to



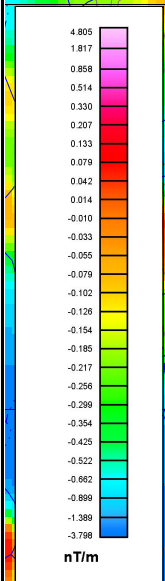
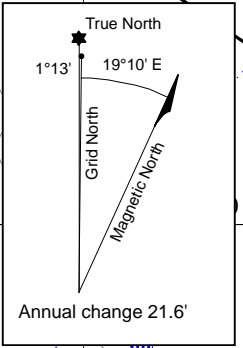
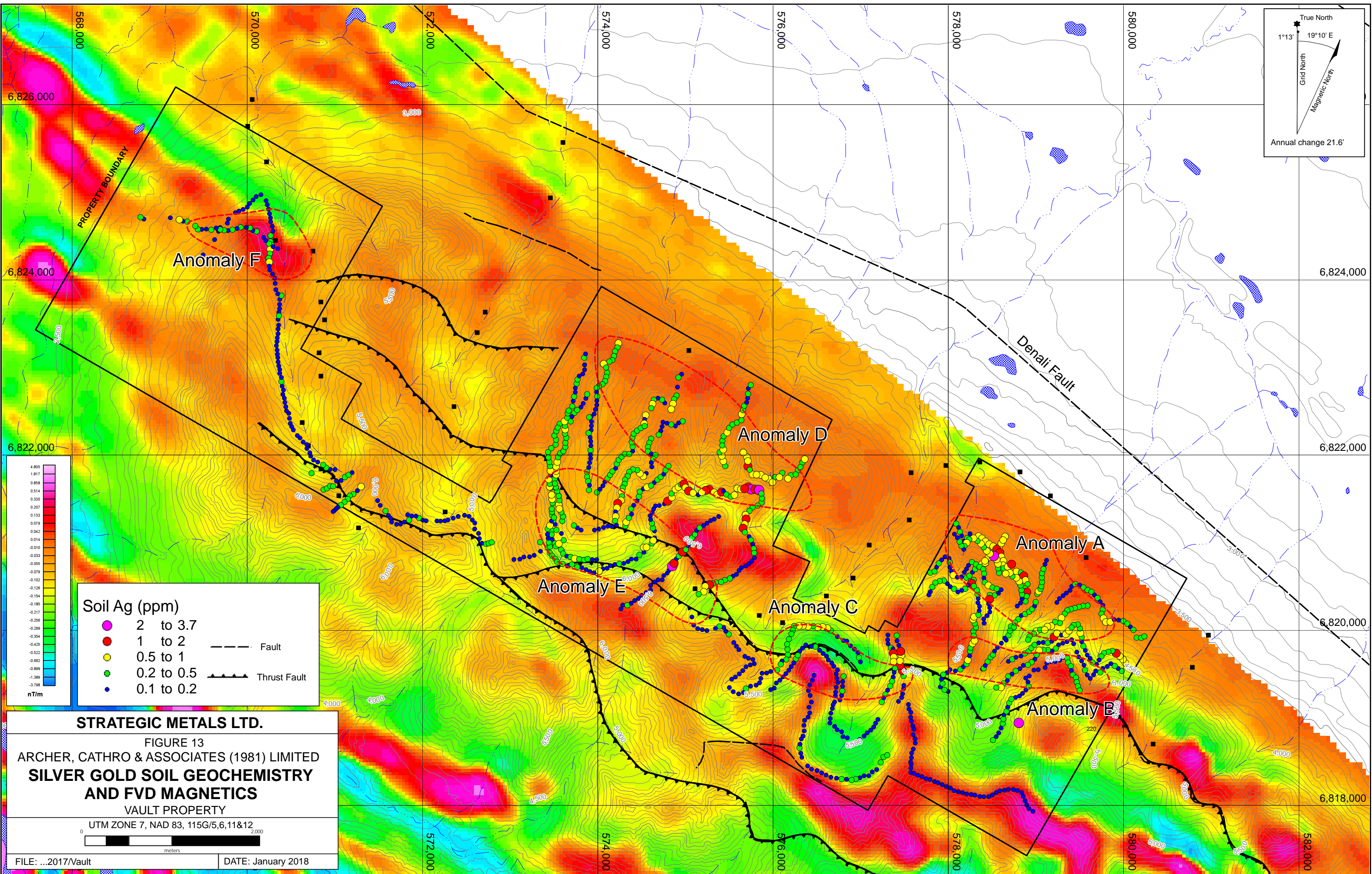
Soil Au (ppb)	
●	500 to 4,380
●	200 to 500
●	100 to 200
●	50 to 100
●	20 to 50
●	0 to 20
Silt Au (ppb)	
+	200 to 3,600
+	100 to 200
+	50 to 100
+	20 to 50
+	0 to 20
	Fault
	Thrust Fault

STRATEGIC METALS LTD.

FIGURE 12
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**GOLD SOIL GEOCHEMISTRY
 AND FVD MAGNETICS**
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

FILE: ...2017/Vault DATE: January 2018



Soil Ag (ppm)

- 2 to 3.7
- 1 to 2
- 0.5 to 1
- 0.2 to 0.5
- 0.1 to 0.2

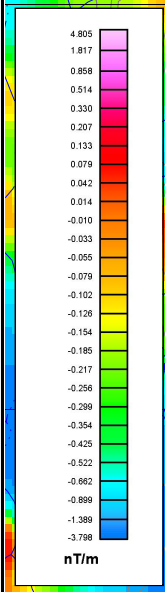
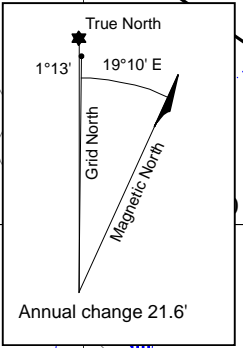
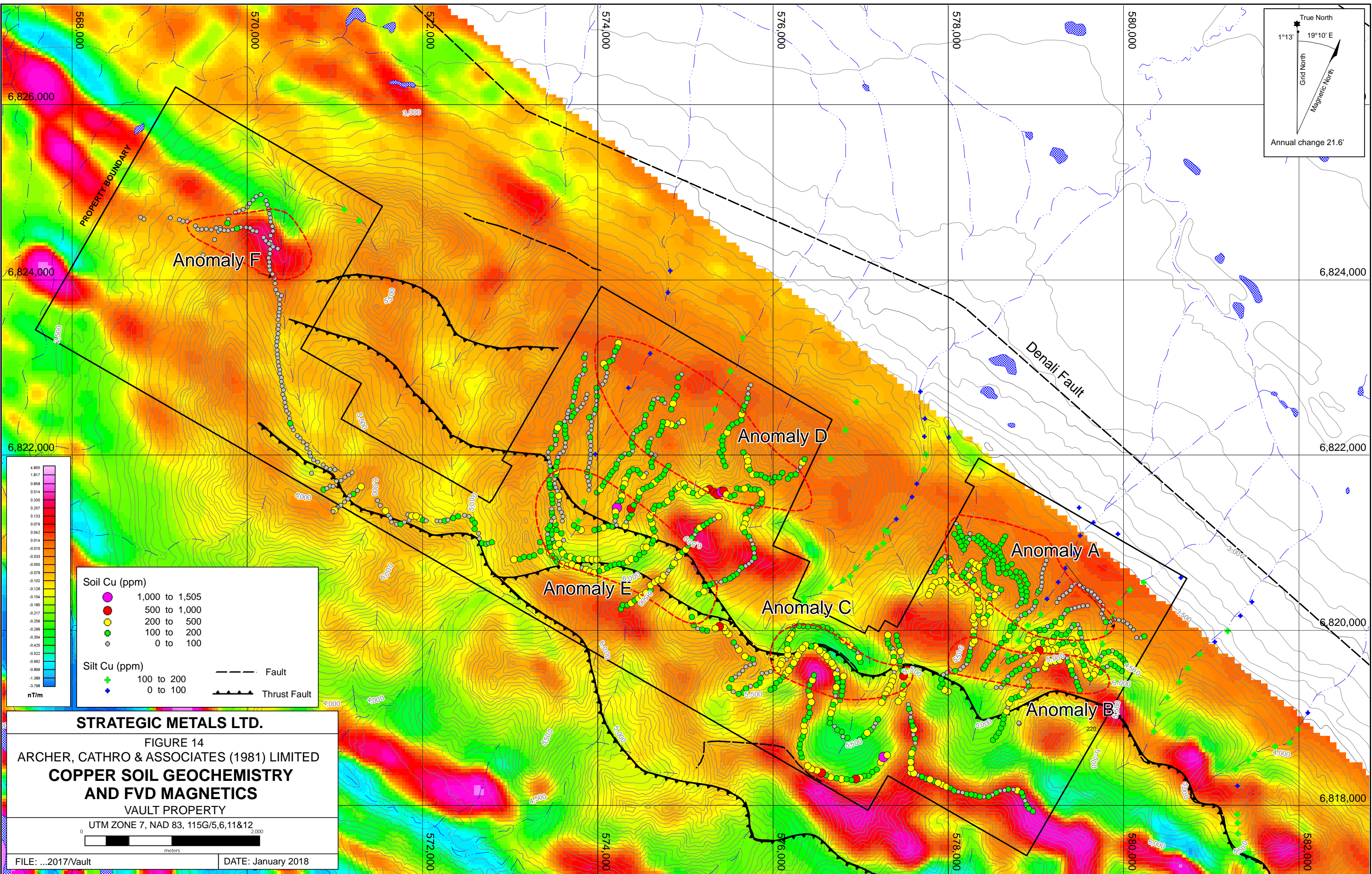
Fault
 Thrust Fault

STRATEGIC METALS LTD.

FIGURE 13
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**SILVER GOLD SOIL GEOCHEMISTRY
 AND FVD MAGNETICS**
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

FILE: ...2017/Vault DATE: January 2018



Soil Cu (ppm)

- 1,000 to 1,505
- 500 to 1,000
- 200 to 500
- 100 to 200
- 0 to 100

Silt Cu (ppm)

- + 100 to 200
- + 0 to 100

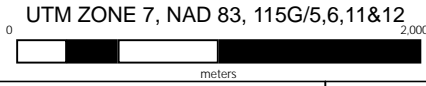
--- Fault
▲▲▲ Thrust Fault

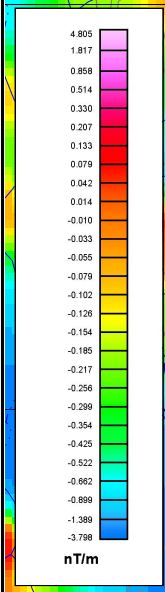
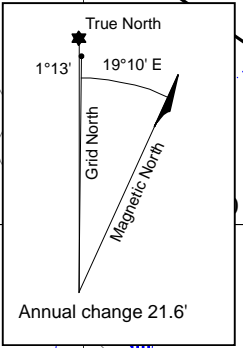
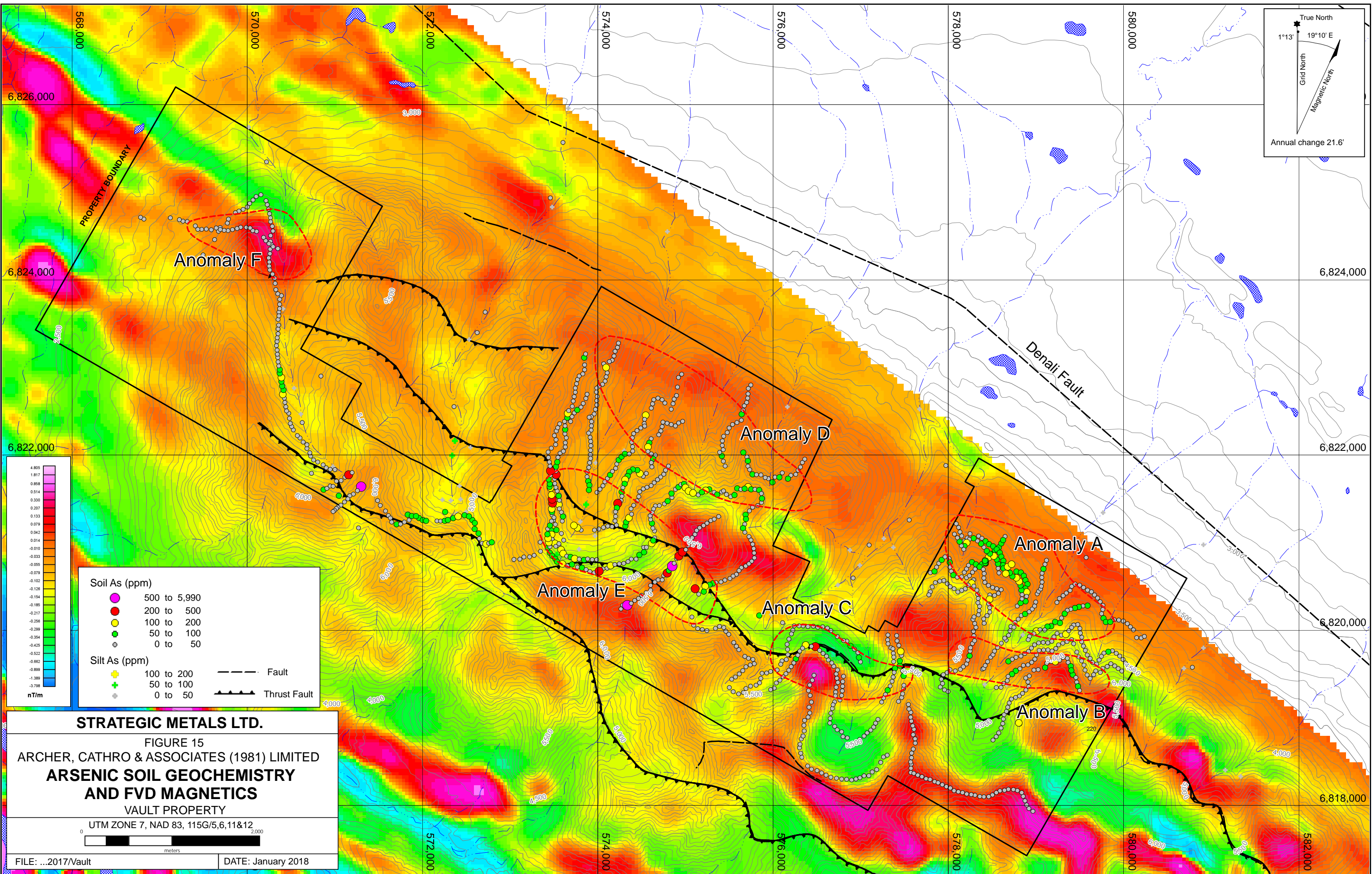
STRATEGIC METALS LTD.

FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**COPPER SOIL GEOCHEMISTRY
AND FVD MAGNETICS**
VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

FILE: ...2017/Vault DATE: January 2018





Soil As (ppm)	
● (Pink)	500 to 5,990
● (Red)	200 to 500
● (Yellow)	100 to 200
● (Green)	50 to 100
● (Grey)	0 to 50
Silt As (ppm)	
● (Yellow)	100 to 200
● (Green)	50 to 100
● (Grey)	0 to 50
---	Fault
▲▲▲	Thrust Fault

STRATEGIC METALS LTD.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC SOIL GEOCHEMISTRY AND FVD MAGNETICS

VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

0 2,000 meters

FILE: ...2017/Vault DATE: January 2018

4380 ppb), silver (up to 2.3 ppm), copper (up to 1120 ppm) and arsenic (up to 5120 ppm) values. Anomaly E is distinguished from the other soil anomalies by its high arsenic values.

Anomaly F is a 1500 by 600 m area located approximately 3.5 km northwest of Anomaly E. Silt samples from creeks in the area yielded up to 350 ppb gold, while soil samples returned up to 199 ppb gold.

HAND TRENCHING

In 2017, four hand trenches were dug on the property, totalling 53.5 m. Hand trenching was designed to follow up high gold-in-soil values and evaluate a LiDAR linear (Linear C), identified by previous work programs. A total of 36 samples were taken from the four trenches. No bedrock was exposed in any of the trenches, but the overburden along their floors was sampled. Samples were processed using the same preparation and analytical techniques described in the Rock Geochemical Sampling section of this report. Rock sample descriptions and Certificates of Analysis for 2017 rock samples can be found in Appendix III and Appendix IV, respectively. Table IV provides details for the trenches while Figure 16A and 16B shows trench and sample locations.

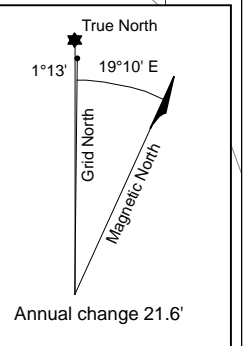
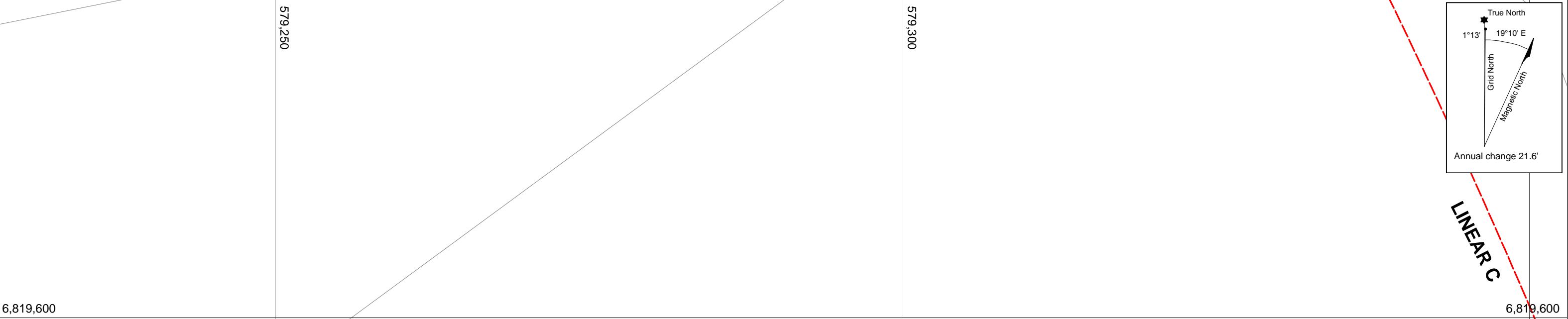
Table IV – 2017 Hand Trenching Details

Trench ID	Easting	Northing	Length (m)	Samples
TR-17-01V	579269	6819585	25.0	S052462- S052478
	579293	6819595		
TR-17-02V	578429	6820762	10.0	S052483- S052489
	578422	6820769		
TR-17-03V	578420	6820803	10.5	S052490- S052496
	578410	6820801		
TR-17-04V	578401	6820758	8	S052497- S052500, S052401
	578405	6820764		

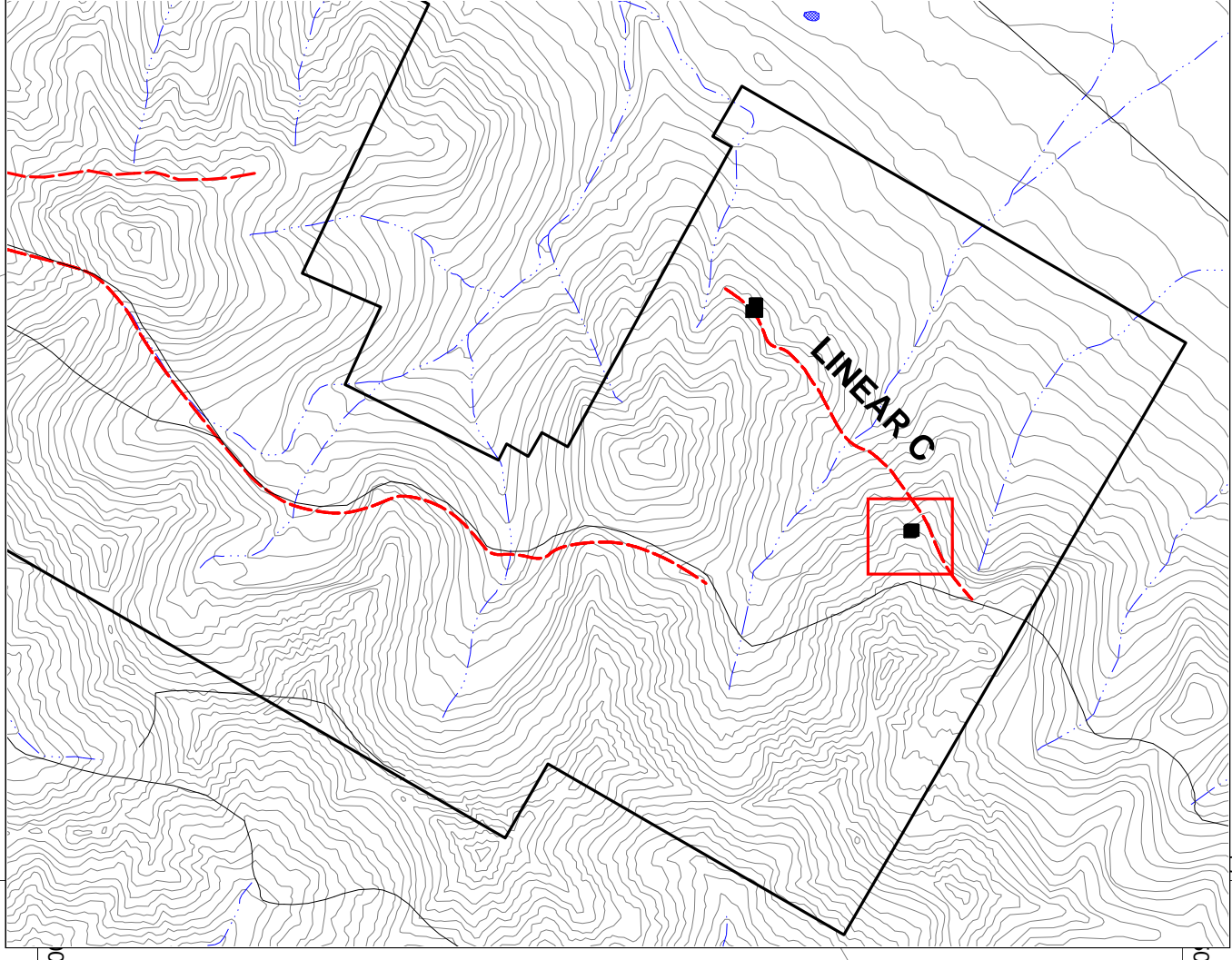
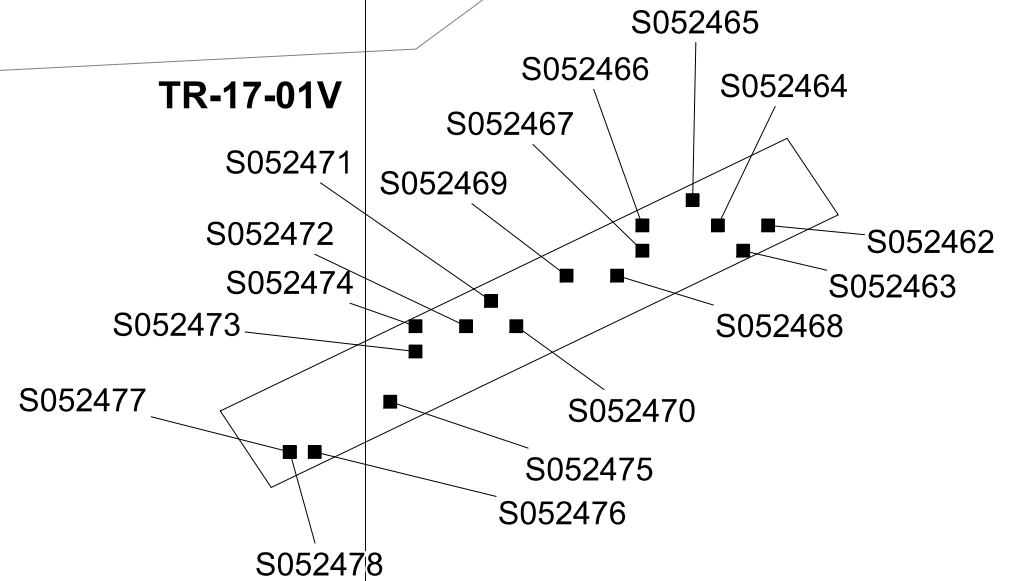
The first hand trench, TR-17-01V, was dug across Linear C on a saddle in the eastern part of the property. A total of 16 samples were collected from mixed talus consisting of greenstone, greenschist and phyllite. Two separate samples each returned 46 ppb gold and 1975 ppm copper, over 1.5 m widths.

TR-17-02V, located 1450 m northwest of TR-17-01V, followed up high gold-in-soil located along the western edge of Linear C. Seven samples comprised slate, phyllite, quartz-carbonate and greenschist talus fragments. Samples returned background values for all elements of interest, except for one weakly anomalous sample that returned 49 ppb gold and 0.3 ppm silver over 1.5 m.

TR-17-03V, located directly upslope of TR-17-02V, tested the same gold-in-soil anomaly. Seven samples comprised mixtures of shale, phyllite and minor quartz-carbonate. Gold and



TR-17-01V



STRATEGIC METALS LTD.

FIGURE 16A

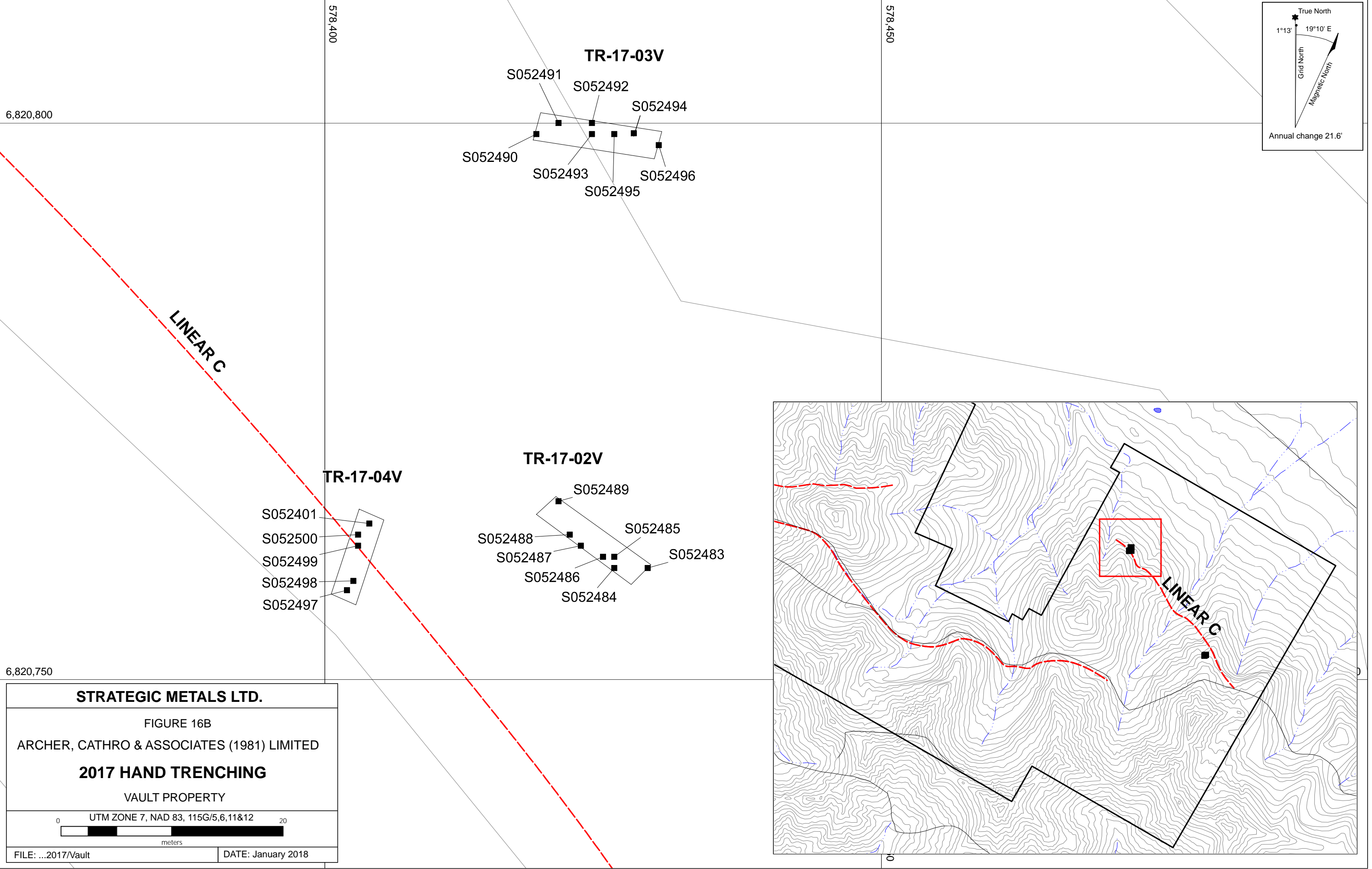
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2017 HAND TRENCHING

VAULT PROPERTY

0 UTM ZONE 7, NAD 83, 115G/5,6,11&12 20
metres

FILE: ...2016/Vault DATE: January 2018



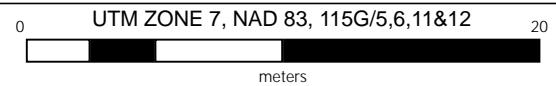
STRATEGIC METALS LTD.

FIGURE 16B

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2017 HAND TRENCHING

VAULT PROPERTY



FILE: ...2017/Vault

DATE: January 2018

silver values were only weakly anomalous, with peak values of 137 ppb gold and 0.4 ppm silver over 1.5 m.

TR-17-04V lies 300 m west of TR-17-03V. Five samples were collected and included shale, slate, quartz-carbonate, phyllite and siliceous dyke fragments. Analyses returned near background levels for all elements, with a peak gold value of 37 ppb over 1.5 m.

GEOPHYSICS

In 2015, The Government of Yukon and KFN flew airborne magnetic and HeliTEM surveys over a portion of the Kluane Range. From these surveys, First Vertical Derivative (FVD) magnetic data was compiled for the Vault property.

FVD magnetic response is strongly influenced by topography. Magnetic highs occur along peaks and lows along valley bottoms. Superimposed on the topographic effects are a series of northwesterly trends that likely reflect variations in lithologies and possibly demagnetization along thrust faults.

LIDAR SURVEYS

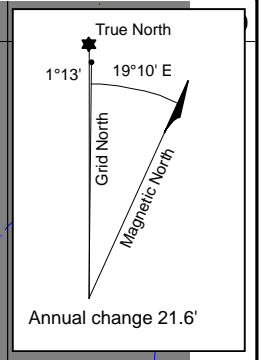
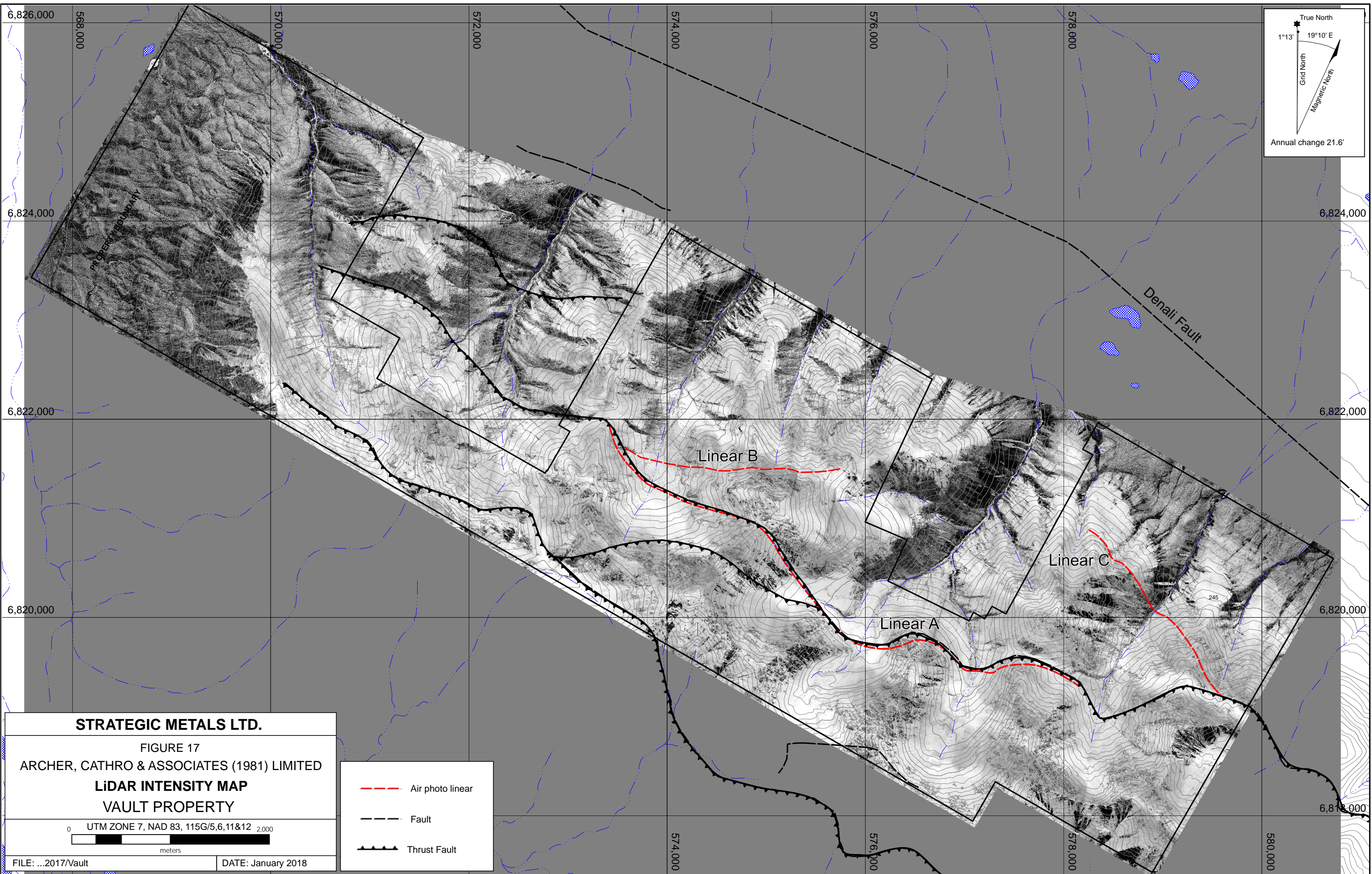
In 2015, Strategic Metals conducted a LiDAR survey over the Vault property. In total, 32 lines were flown at 640 m line spacings. This survey produced elevation contours, a digital elevation model and digital surface model at one metre resolution, along with a LiDAR intensity map. Full details from this survey can be found in Burrell, 2016.

LiDAR imagery, along with compiled historical mapping, identified several prospective features on the Vault property that may represent fault or vein structures. Figure 17 is a LiDAR intensity map showing three of these trends, which coincide with geochemical anomalies.

Linear A, which crosses through the centre of the property, approximately follows the trace of a northwesterly trending thrust fault. This feature coincides with strongly anomalous gold values that are typically found on the hanging wall side of the fault.

Linear B is a discrete lineament that splays westerly off the northwesterly thrust fault associated with Feature A. This feature is associated with strong gold, silver and arsenic soil geochemical response.

Linear C is located in the eastern part of the property, where a series of northwesterly trending soil lines produced continuous strongly elevated gold values to a maximum of 1120 ppb. Mapping indicates that quartz diorite dykes occur along a northwesterly trending structure near the top of the anomalies and that a gossan is developed downhill from the feature.



6,826,000
 568,000
 570,000
 572,000
 574,000
 576,000
 578,000
 6,824,000
 6,822,000
 6,820,000
 6,818,000
 574,000
 576,000
 578,000
 580,000

PROPERTY BOUNDARY

Denali Fault

Linear B

Linear C

Linear A

680

245

STRATEGIC METALS LTD.

FIGURE 17
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LIDAR INTENSITY MAP
VAULT PROPERTY

0 UTM ZONE 7, NAD 83, 115G/5,6,11&12 2,000
 meters

FILE: ...2017/Vault DATE: January 2018

--- Air photo linear

--- Fault

▲▲▲ Thrust Fault

DISCUSSION AND CONCLUSIONS

The Vault property is located within the Kluane Mafic-Ultramafic Belt (KMUB) in western Yukon. The KMUB is host to the former Wellgreen Mine, a nickel-copper-PGE deposit now owned by Wellgreen Platinum Ltd. In June 2017, Wellgreen released a measured and indicated resource of 363 Mt grading 0.26% Ni, 0.14% Cu, 0.015% Co, 0.231% Pt, 0.244% Pd and 0.04 g/t Au (Wellgreen Platinum, 2017). The deposit is located five kilometres southeast of the Vault property.

Soil sampling done in 2017 expanded on previous surveys, and has now identified six large geochemical anomalies on the property. These anomalies are characterized by clusters of very high gold values that show little direct correlation to typical pathfinder metals. Prospecting suggests the anomalies are associated with quartz veins and sheeted vein stockworks that are developed near northwest trending thrust faults. This style of mineralization, the geological setting and the soil geochemical signatures are consistent with orogenic style mineralization.

Limited exploration on the Vault property has not discovered enough mineralization to adequately explain the strong soil geochemical results. The lack of prospecting success is likely due in part to deep overburden (talus at higher elevation and glacial moraines at lower elevations) that could mask recessive weathering veins or fracture filling zones. Hand trenching was unable to penetrate through the overburden.

Future work on the property is warranted to further evaluate known geochemical anomalies and explore for others elsewhere on the property. Further work should include be not be limited to: 1) additional soil geochemical surveys; 2) systematic prospecting to identify mineralized float trains and outcrops; 3) detailed geological mapping to better understand controls on the mineralization; and 4) pending successful results, diamond drilling to evaluate prospective areas. Due to the abundance of deep overburden, trenching is not recommended.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc.

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Kelson Willms, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Vancouver, British Columbia, do 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 have interpreted all data resulting from this work.



K. Willms, B.Sc.

APPENDIX II
STATEMENT OF EXPENDITURES

APPENDIX III
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Property: Vault

Sample Number: K293114 UTM: 573889 mE Nad83, Zone 7
Elevation: 4944 m UTM: 6823056 mN

Comments: 5cm quartz-carbonate vein in dark green-black mafic greestone (mildly metamorphosed). Vein exposed along 4m with strike dip of 110/75. Minor chalcopryite, malachite?, unidentified dark red-brown metallic mineral, rare silvery platy and nuggety metallic mineral. Chip sample is from the lower 2m of the vein where in-situ vein material was obtainable.

Sample Number: K293115 UTM: 573526 mE Nad83, Zone 7
Elevation: 5461 m UTM: 6822656 mN

Comments: Bull quartz-carb vein and boulders in outcrop of pale tan-orange limestone (?). Rare pale pink veinlets, chalcopryite, pyrite, arsenopyrite (?) and blebs/veinlets of a blue-grey metallic mineral. Chalcedony also present in the area. Quartz veins found in an area 10x15m.

Sample Number: K293116 UTM: 574600 mE Nad83, Zone 7
Elevation: 6583 m UTM: 6820496 mN

Comments: Pale green columnar-like quartz. Mild deformation. Cobbles in talus and outcrop of greenstone and schistose.

Sample Number: K293117 UTM: 574450 mE Nad83, Zone 7
Elevation: 6553 m UTM: 6820323 mN

Comments: Quartz-carbonate vein in greenstone with chlorite selvages. Rare malachite staining. From talus of greenstone and dark green-brown. Approximately 10% of rocks in the area have similar quartz veins and selvages.

Sample Number: K293118 UTM: 574454 mE Nad83, Zone 7
Elevation: 6555 m UTM: 6820312 mN

Comments: Quartz vein in greenstone/schist host with chlorite selvages. Rare blebs (<1mm) of unidentified black weathered/oxidized brassy-yellow crystals. No rep flagged in field.

Sample Number: K293119 UTM: 573544 mE Nad83, Zone 7
Elevation: 5133 m UTM: 6821524 mN

Comments: Pale green schistose/lightly foliated with quartz veining/banding/lenses up to 5 cm wide. Fine grained pyrite cubes, chalcopryite, arsenopyrite (?) crystals. 1 boulder and small cobbles in small talus below green-brown outcrop.

Rock Sample Descriptions

Property: Vault

Sample Number: K293120 UTM: 573807 mE Nad83, Zone 7
Elevation: 5430 m UTM: 6820790 mN

Comments: Dark Pale Green, aphanitic texture, Mafic metavolcanic greenstone, broken from a rock the size of a head, found in scree slope, contains quartz/calcite veins, contains a silvery grey metallic mineral within the whole rock as well as within the veins as well as a pale bronzy yellow metallic mineral with a cubic habit (Pyrite). On the wheathered surface there are oxidized brown cubes (more pyrite)

Sample Number: K293121 UTM: 573808 mE Nad83, Zone 7
Elevation: 5427 m UTM: 6820790 mN

Comments: Quartz-carbonate vein with chalcopyrite and pyrite cubes, rare sphalerite crystals (?). Dark grey fine grained xenoliths/clasts. Only piece found in talus of dark grey to deep dark red-brown volcanic rocks.

Sample Number: K293122 UTM: 574465 mE Nad83, Zone 7
Elevation: 5007 m UTM: 6821782 mN

Comments: Stockwork/sheeted quartz-carbonate veins up to 5cm wide in dark mafic outcrop (gabbro/basalt?). Mineralized with fine grained disseminated pyrite, chalcopyrite, rare malachite and possibly bornite?

Sample Number: K293123 UTM: 574671 mE Nad83, Zone 7
Elevation: 5282 m UTM: 6821696 mN

Comments: Quartz/Calcite vein approximatly 10 cm in diameter cutting concordantly with folliated pale green to brown red mafic host rock, smaller veinlets are also interspersed concordantly throughout the foliated planes. The veins host disseminated pyrite, chalcopyrite, and another silvery blue metalic mineral, posibly bornite?

Sample Number: K293124 UTM: 575258 mE Nad83, Zone 7
Elevation: 5584 m UTM: 6821621 mN

Comments: slightly foliated tan grey outcrop with sporadic quartz/calcite veins accounting for 10% of the whol rock. Semi oxidized pyrite/chalcopyrite precipitate on the outside of the whole rock with some pyrite, chalcopyrite and some silvery blue mineral (bornite?) disseminated in the veins within the rock.

Rock Sample DescriptionsProperty: Vault

Sample Number: K293125 UTM: 575261 mE Nad83, Zone 7
Elevation: 5581 m UTM: 6821624 mN

Comments: Abundant quartz-carbonate veins with rare fine grained disseminated sulphides and rare very fine grained yellow-gold unidentified mineral (very fine coatings or "precipitate") in pale tan-brown outcrop west of high gold soil CC84109

Sample Number: K293126 UTM: 575273 mE Nad83, Zone 7
Elevation: 4584 m UTM: 6821607 mN

Comments: Quartz-carbonate vein with rare fine grained disseminated sulphides (pyrite cubes?) in pale tan outcrop at high gold soil CC84109. Same horizon as K293125.

Sample Number: K293127 UTM: 577487 mE Nad83, Zone 7
Elevation: 5610 m UTM: 6819483 mN

Comments: Light rusty-orange weathering dark green-gey chloritic mafic rock with dark phenocrysts (mafic volcanic?). Mineralized with disseminated fine-to-medium grained pyrite, chalcopyrite and a silvery mineral (molybdenite?). Located near the UTM location of a 0.81g/t Au-in-rock sample (2009)

Sample Number: K293128 UTM: 577451 mE Nad83, Zone 7
Elevation: 5546 m UTM: 6819437 mN

Comments: Rusty brown weathering mafic dyke(?) on the south edge of rock chute south of K293127. Band of dark red/rusty brown weathering is approximately 1m wide and can be seen near K293127 (same band?). Quartz-carbonate veins up to 1cm wide with orange-brown edges. Mineralized with chalcopyrite, pyrite and rare silvery mineral. Mineralization occurs throughout the sample but is concentrated towards the weathered edges of the mafic host.

Sample Number: K293129 UTM: 576736 mE Nad83, Zone 7
Elevation: 5362 m UTM: 6819300 mN

Comments: Dark green-black phenocrysts in a light green chloritic mafic host. Faint rusty surfaces and weathering to green-brown. Thin coatings of chalcopyrite, pyrite and malachite occur throughout on fresh surfaces. North side of rock chute, 60m northwest of high gold soil CC84579.

Rock Sample DescriptionsProperty: Vault

Sample Number: K293130 UTM: 576572 mE Nad83, Zone 7

Elevation: 5797 m UTM: 6819286 mN

Comments: Quartz-carbonate veins/lenses in brown weathering biotite-chlorite schists (weakly foliated). Fine grained pyrite, chalcopyrite disseminated throughout, mostly in host rock, rarely in veins. On south side of rock chute, above K293129. <1% of material in rock chute.

Sample Number: K293131 UTM: 576562 mE Nad83, Zone 7

Elevation: 5803 m UTM: 6819298 mN

Comments: Chip sample from dark red rusty-brown weathering band in black-brown to dark green-grey mafic volcanic (minor black phenocrysts and slightly foliated). Band also characterized by powderywhite-green-rusty weathering material with white-green chloritic, sericitic internally. Mafic inclusions, chlorite, epidote (?) and fine grained disseminated sulphides and rare pods/lenses/bands/rinds of very fine grained sulphides (chalcopyrite and pyrite?). North side of rock chute above K293130.

Sample Number: K293132 UTM: 576763 mE Nad83, Zone 7

Elevation: 5293 m UTM: 6819637 mN

Comments: Pink to green tinged quartz-carbonate cobbles (from vein?), rarely mineralized by fine grained disseminated sulphides (pyrite, chalcopyrite). Approximately 10% of material in rock chute of dark green-grey mafic (volcanic?) at the base of cliffs of the same material. Pink tinged rocks contain mineralization, no mineralization observed in green-tinged (chloritic) quartz cobbles.

Sample Number: K293133 UTM: 577952 mE Nad83, Zone 7

Elevation: 5140 m UTM: 6820660 mN

Comments: Quartz-carbonate vein fragments and cobble in talus of green-grey lightly foliated chloritic mafic greenschist. Quartz-carbonate bounded by host. Mineralized with pyrite, chalcopyrite, heavily oxidized mm sized nuggets, and a red-brown metallic mineral. Sulphides occur as finely disseminated fine grained crystals. <1% of material in the area. From up hill of quartz-diorite dykes.

Sample Number: K293134 UTM: 577955 mE Nad83, Zone 7

Elevation: 5080 m UTM: 6820708 mN

Comments: massive, sugary crystalline quartz-carbonate outcrop with abundant fine quartz veinlets and rare fine grained disseminated pyrite, chalcopyrite and possibly arsenopyrite. Sample was sitting on the edge of outcrop, possibly fallen down. Outcrop is the same material, weathering brown-orange. Pale orange coatings around sulphides. Outcrop may be a part of quartz-diorite dykes.

Rock Sample Descriptions

Property: Vault

Sample Number: K293135 UTM: 577975 mE Nad83, Zone 7

Elevation: 5051 m UTM: 6820737 mN

Comments: Massive quartz carbonate cut by quartz veinlets, weathering brown-orange to tan. Rare very fine grained sulphide mineralization (to small to identify). Chip from outcrop of similar looking material (quartz-diorite dykes?)

Sample Number: K293136 UTM: 577947 mE Nad83, Zone 7

Elevation: 5026 m UTM: 6820740 mN

Comments: Massive quartz carbonate cut by quartz veinlets, weathering brown-orange to tan. Rare very fine grained sulphide mineralization (to small to identify). Chip from outcrop of similar looking material (quartz-diorite dykes?). Interior fracture surfaces are coated in orange. From mid-way up a 10m long chute of similar material, bounded on either side by darker tan-orange-brown barren (?) quartz-carbonate.

Sample Number: K293137 UTM: 578420 mE Nad83, Zone 7

Elevation: 4728 m UTM: 6820788 mN

Comments: Massive quartz-carboante boulder with thin bandings or flow lines of medium grey. Weathering to pale tan with rare disseminated very fine grained metallic crystals. Up slope from contour line of high in-soil gold values. <1 % of material in the area, no outcrop and mostly covered by low vegetation.

Sample Number: K293138 UTM: 579452 mE Nad83, Zone 7

Elevation: 5321 m UTM: 6819393 mN

Comments: Quartz-carbonate-feldspar vein(?) cobble on northeast facing slope, only piece in the vicinity. Bounded by mildly schistose pale green-grey host. Small veinlets of pink-orange in the quartz veins, rare green inclusions, rare pale white-green coating (possibly sericite?) and rare very fine grained disseminated sulphides, possibly rare malachite.

Sample Number: K293139 UTM: 579373 mE Nad83, Zone 7

Elevation: 5500 m UTM: 6819352 mN

Comments: Medium green-grey weathering epidote (pistachio greenish) carbonate with minor quartz. Very rare very fine grained disseminated metallic mienrals. ~5% of rocks below cliffs

Rock Sample DescriptionsProperty: Vault

Sample Number: K293140 UTM: 579396 mE Nad83, Zone 7

Elevation: 5457 m UTM: 6819220 mN

Comments: Deep red-brown to dark grey-purple weathering volcanic (gabbro? Pillow?) Malachite coatings and rare very fine grained metallic black mineral. 3m wide float train leading south up to peak of mountain. Same colour rock makes up ~50% of the float train.

Sample Number: K293141 UTM: 579647 mE Nad83, Zone 7

Elevation: 5381 m UTM: 6819239 mN

Comments: Black-grey shale and greenstone cut by quartz veins weathering brown-red. Quartz vein has bright orange bands, rare fine grained disseminated sulphides and unknown well formed black-brown crystals (garnet?). Quartz veins follow foliation of host.

Sample Number: K293142 UTM: 579673 mE Nad83, Zone 7

Elevation: 5423 m UTM: 6819239 mN

Comments: Dark red-brown mafic volcanic host criss-crossed by quartz and epidote veins, which cross-cut each other, rare malachite coatings, rare fine grained disseminated sulphides in host, rarely in veins. Talus chute near base of cliffs. ~10% of material is veined similarly.

Sample Number: K293143 UTM: 579379 mE Nad83, Zone 7

Elevation: 4667 m UTM: 6819963 mN

Comments: Quartz-carboante outcrop weathering tan-orange cut by small quartz veins and veinlets. Rare very fine grained disseminated sulphides (? To small to identify). Outcrop face is 5x3m and is of similar material. Having screen checked for coarse gold.

Sample Number: K293144 UTM: 579538 mE Nad83, Zone 7

Elevation: 5528 m UTM: 6819090 mN

Comments: Chloritic greenstone/mudstone weathering green-grey with occasional rusty patches along fracture surfaces of outcrop. Quartz breccia/vein selvages with rare spots of disseminated sulphides and possible coarse gold(?). From piece of float sitting on outcrop of mudstone/phyllite/greenstone. <1%

Rock Sample DescriptionsProperty: Vault

Sample Number: K293145 UTM: 579557 mE Nad83, Zone 7
Elevation: 5517 m UTM: 6819097 mN

Comments: Rusty orange weathering light grey-green volcanic or metamorphosed mudstone (?) with minor quartz veinlets, minor chlorite and rare fine grained disseminated sulphides. From boulders at the base of outcrop of the same.

Sample Number: K293146 UTM: 579638 mE Nad83, Zone 7
Elevation: 5770 m UTM: 6818990 mN

Comments: Grey-brown weathering slightly vesicular volcanic (?). Dark grey-green fine grained interior with white phenocrysts being rimmed or replaced by a very fine grained black-green mineral and rarely a yellow-ish mineral(mica?). From the toe of a slump (may be man made) and makes up approximately 10% of the material in the toe rock. None was found above.

Sample Number: K293147 UTM: 579586 mE Nad83, Zone 7
Elevation: 5874 m UTM: 6818915 mN

Comments: Quartz-carbonate band with dark grey selvages (mildly foliated mafic?) with rare fine graine disseminated sulphides. Collected from the top of a shale/schist/phyllite ridge. <1% of rock in the area.

Sample Number: K293148 UTM: 579589 mE Nad83, Zone 7
Elevation: 5874 m UTM: 6818917 mN

Comments: Quartz-carbonate vein/lense hosted in schist/phyllite on ridge. Rare fine grained disseminated sulphides. Next to K293147

Sample Number: K293149 UTM: 579548 mE Nad83, Zone 7
Elevation: 5898 m UTM: 6818901 mN

Comments: Purple-red magnetite-hematite banded carbonate boulder in talus of green mudstone/siltstone. Rare very fine grained sulphides. <1% of rocks in the area. Hematite bands appear stringy and chaotic. Rare crystals of hematite.

Rock Sample Descriptions

Property: Vault

Sample Number: K293150 UTM: 579260 mE Nad83, Zone 7
Elevation: 6208 m UTM: 6818931 mN

Comments: Quartz-carbonate vein cutting iron-rich mafic volcanic (hematite rich?) Quartz-carbonate vein has abundant malachite and limonitic staining. Rarely a very fine grained metallic silver-black mineral can be seen associated with the malachite. From below outcrop of purple-red volcanic in boulder pile, only two boulders had veining and malachite staining. Outcrop is near the peak of the mountain, at the top of a rock chute leading down to K293140

Sample Number: S052401 UTM: 578404 mE Nad83, Zone 7
Elevation: 4754 m UTM: 6820764 mN

Comments: TR-17-04V (6-8m): Grey-black-blue shale/slate, quartz-carbonate pebbles and minor pebbles of light grey schist/phyllite, also tan-brown-orange weathering quartz dyke (?) pebbles). All fines and pebbles, no bedrock

Sample Number: S052451 UTM: 579030 mE Nad83, Zone 7
Elevation: 5548 m UTM: 6819251 mN

Comments: Quartz-carbonate vein with heavy limonitic oxidized band on one side with abundant black oxidized material and fine grained disseminated sulphides (pyrite mostly). Other side is bounded by phyllite/schist? | Only piece seen in the area of the talus slope collected from. Talus in a mix of purple-red volcanic and green mudstone/phyllite/greenstone

Sample Number: S052452 UTM: 577963 mE Nad83, Zone 7
Elevation: 6044 m UTM: 6820151 mN

Comments: mildly deformed or folded green phyllite/schist with quartz-feldspar(?) bands/veins. Rare very fine grained disseminated sulphides (too small to ID), concentrated mostly along the contact between a grey-black band with orange inclusions/cavities/selvages and a white quartz band. From outcrop/subcrop of greenschist/phyllite with a few similarly banded cobbles found downslope a few meters.

Sample Number: S052453 UTM: 578026 mE Nad83, Zone 7
Elevation: 5848 m UTM: 6820172 mN

Comments: Quartz-carbonate vein fragments with minor malachite staining and minor sulphides (pyrite, chalcopyrite, arsenopyrite?). Collected from 3 locations within 10m of each other. Could not trace more than 10 meters up hill and could not see any down hill. <1% of rock in talus, the rest is greenstone/schist/phyllite/mudstone.

Rock Sample DescriptionsProperty: Vault

Sample Number: S052454 UTM: 578250 mE Nad83, Zone 7

Elevation: 5436 m UTM: 6820418 mN

Comments: Rusty weathering green-grey phyllite/schist with fine grained disseminated sulphides (pyrite, chalcopyrite, arsenopyrite?) in lenses between folia of phyllite/schist. From outcrop of the same. Having screen checked for coarse gold.

Sample Number: S052455 UTM: 578321 mE Nad83, Zone 7

Elevation: 5088 m UTM: 6820596 mN

Comments: Bleached tan to orange-brown weathering banded/lineated/foliated quartz-carbonate-feldspar outcrop with occasional quartz veins/veinlets cross-cutting the lineations. Fine bands of very fine grained sulphides (?). 5m long section of outcrop with more massive quartz-carbonate above and to the sides.

Sample Number: S052456 UTM: 578318 mE Nad83, Zone 7

Elevation: 4927 m UTM: 6820777 mN

Comments: Lineated/banded/foliated quartz-carbonate outcrop weathering to tan-orange. Occasional light grey inclusions inside and very fine grained disseminated sulphides (chalcopyrite, pyrite). From base of large section of outcrop south of Feature C (structure from 2016 Lidar) or possibly part of Feature C. Having screen checked for coarse gold.

Sample Number: S052457 UTM: 578406 mE Nad83, Zone 7

Elevation: 4677 m UTM: 6820811 mN

Comments: Light green-grey phyllite/schist with orange weathering folia and quartz-carbonate lenses. Rare very fine grained disseminated sulphides. From boulder in the side of the hill covered by vegetation and rock debris on the west side of the gully beside western-most high gold in-soil (possibly a slump). Having screen checked for coarse gold.

Sample Number: S052458 UTM: 578429 mE Nad83, Zone 7

Elevation: 4809 m UTM: 6820728 mN

Comments: Green-grey phyllite/schist boulder below outcrop of the same. Heavily oxidized/rusty brown-orange weathering on some fracture surfaces with fine grained pyrite masses in various states of oxidation. Minor sulphides disseminated throughout on fresh surfaces (pyrite, chalcopyrite, arsenopyrite?) of phyllite/schist and in quartz lenses/veins. Possibly associated with Feature C (2016 Lidar).

Rock Sample Descriptions

Property: Vault

Sample Number: S052459 UTM: 577829 mE Nad83, Zone 7
Elevation: 5643 m UTM: 6819137 mN

Comments: Cobble of massive quartz (vein) with green schist/phyllite/greenstone inclusions, fine bands of a green-black platy mineral(chlorite/biotite). Minor malachite staining and fine grained disseminated sulphides (pyrite). From talus slope in a small rock chute of greenstone/siltstone. <1% of material in talus

Sample Number: S052460 UTM: 578086 mE Nad83, Zone 7
Elevation: 6252 m UTM: 6818202 mN

Comments: Tan-green vein of quartz?/epidote? (massive fine no visible crystals. Approximately 30cm wide striking approximately 210, dipping steeply to the north-northeast. Malachite and azurite coatings. Vein is bounded on both sides by dark grey to dark grey-green heavily faulted (abundant slickensides in various orientations) volcanic?/mudstone?. From outcrop below ridgeline but above most of the talus slope.

Sample Number: S052461 UTM: 578092 mE Nad83, Zone 7
Elevation: 6240 m UTM: 6818205 mN

Comments: Cobbles of malachite and azurite rich bands and staining in a quartz vein? One surface is slickensided. Bands of grey metallic mineral (hematite?) also abundant internally parallel to malachite/azurite. From talus slope a few metres downslope from S052460. <1% of talus.

Sample Number: S052462 UTM: 579266 mE Nad83, Zone 7
Elevation: 5406 m UTM: 6819590 mN

Comments: TR-17-01V (0-1.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052463 UTM: 579265 mE Nad83, Zone 7
Elevation: 5408 m UTM: 6819589 mN

Comments: TR-17-01V (1.5-3m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052464 UTM: 579264 mE Nad83, Zone 7
Elevation: 5410 m UTM: 6819590 mN

Comments: TR-17-01V (3-4.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052465 UTM: 579263 mE Nad83, Zone 7

Elevation: 5410 m UTM: 6819591 mN

Comments: TR-17-01V (4.5-6m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052466 UTM: 579261 mE Nad83, Zone 7

Elevation: 5419 m UTM: 6819590 mN

Comments: TR-17-01V (6-7.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052467 UTM: 579261 mE Nad83, Zone 7

Elevation: 5415 m UTM: 6819589 mN

Comments: TR-17-01V (7.5-9m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052468 UTM: 579260 mE Nad83, Zone 7

Elevation: 5413 m UTM: 6819588 mN

Comments: TR-17-01V (9-10.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052469 UTM: 579258 mE Nad83, Zone 7

Elevation: 5417 m UTM: 6819588 mN

Comments: TR-17-01V (10.5-12m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052470 UTM: 579256 mE Nad83, Zone 7

Elevation: 5412 m UTM: 6819586 mN

Comments: TR-17-01V (12-13.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Sample Number: S052471 UTM: 579255 mE Nad83, Zone 7

Elevation: 5416 m UTM: 6819587 mN

Comments: TR-17-01V (13.5-15m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, and phyllite. No bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052472 UTM: 579254 mE Nad83, Zone 7
Elevation: 5418 m UTM: 6819586 mN

Comments: TR-17-01V (15-16.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052473 UTM: 579252 mE Nad83, Zone 7
Elevation: 5424 m UTM: 6819585 mN

Comments: TR-17-01V 16.5-18m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052474 UTM: 579252 mE Nad83, Zone 7
Elevation: 5426 m UTM: 6819586 mN

Comments: TR-17-01V (18-19.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052475 UTM: 579251 mE Nad83, Zone 7
Elevation: 5422 m UTM: 6819583 mN

Comments: TR-17-01V (19.5-21m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052476 UTM: 579248 mE Nad83, Zone 7
Elevation: 5418 m UTM: 6819581 mN

Comments: TR-17-01V (21-22.5m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052477 UTM: 579247 mE Nad83, Zone 7
Elevation: 5422 m UTM: 6819581 mN

Comments: TR-17-01V (22.5-24m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052478 UTM: 579247 mE Nad83, Zone 7

Elevation: 5418 m UTM: 6819581 mN

Comments: TR-17-01V (24-25m): Mix of angular to subrounded pebbles and cobbles of greenstone, greenschist, phyllite, and red-brown schist/phyllite pebbles and cobbles. No bedrock

Sample Number: S052479 UTM: 578806 mE Nad83, Zone 7

Elevation: 5664 m UTM: 6818944 mN

Comments: Light grey weathering felsic (diorite?) cobble with quartz-carbonate vein and rusty patches. Rare fine grained disseminated sulphides (pyrite, arsenopyrite) and rare malachite staining. From talus/scree in gossanous area 20x20m near base of cliffs. Talus is a mix of shale, slate, mudstone, siltstone and tan-orange rusty weathering dyke (?) rock. Sample is <1% of rock in area.

Sample Number: S052480 UTM: 578811 mE Nad83, Zone 7

Elevation: 5635 m UTM: 6818935 mN

Comments: Rusty limonitic/ oxidized felsic dyke (?) rock weathering to light grey-green with rusty patches and fractures. Minor quartz-carbonate veins/veinlets. Fine grained disseminated sulphides (pyrite, chalcopryte). From outcrop of the same upslope from S052479

Sample Number: S052481 UTM: 578808 mE Nad83, Zone 7

Elevation: 5647 m UTM: 6818923 mN

Comments: Coarse quartz vein in fine grained grey-brown weathering volcanic(?) cobble from rock chute south of gossanous area. Mineralized with malachite, azurite, chalcopryrite, pyrite, bornite?, enargite? Only piece found in the area.

Sample Number: S052482 UTM: 578851 mE Nad83, Zone 7

Elevation: 5748 m UTM: 6818914 mN

Comments: Dark brown weathering volcanic (?) with rusty limonitic (or clay? Both?) fractures and surfaces. Rare malachite and fine grained sulphides (mostly pyrite). Quartz vein has rare fine grained sulphides disseminated throughout. From rock chute above S052480, possibly sourcing from dark brown weathering volcanic outcrop 10m up slope (outcrop is on the north side of rock chute and is ~20m wide). Could not find mineralized rock in the outcrop.

Rock Sample DescriptionsProperty: Vault

Sample Number: S052483 UTM: 578429 mE Nad83, Zone 7

Elevation: 4792 m UTM: 6820760 mN

Comments: TR-17-02V (0-1.5m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052484 UTM: 578426 mE Nad83, Zone 7

Elevation: 4791 m UTM: 6820760 mN

Comments: TR-17-02V (1.5-3m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052485 UTM: 578426 mE Nad83, Zone 7

Elevation: 4793 m UTM: 6820761 mN

Comments: TR-17-02V (3-4.5m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052486 UTM: 578425 mE Nad83, Zone 7

Elevation: 4787 m UTM: 6820761 mN

Comments: TR-17-02V (4.5-6m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052487 UTM: 578423 mE Nad83, Zone 7

Elevation: 4789 m UTM: 6820762 mN

Comments: TR-17-02V (6-7.5m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052488 UTM: 578422 mE Nad83, Zone 7

Elevation: 4790 m UTM: 6820763 mN

Comments: TR-17-02V (7.5-9m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052489 UTM: 578421 mE Nad83, Zone 7

Elevation: 4792 m UTM: 6820766 mN

Comments: TR-17-02V (9-10m): Grey-black shale/slate, dark brown-grey shale/slate, tan-brown fines, minor phyllite pebbles, minor quartz-carbonate pebbles, brown layer with tan-brown-red quartz-carbonate-feldspar pebbles, minor greenschist. Mostly fines, no bedrock

Sample Number: S052490 UTM: 578419 mE Nad83, Zone 7

Elevation: 4728 m UTM: 6820799 mN

Comments: TR-17-03V (0-1.5m): Medium grey-brown shale/phyllite/schist with minor quartz carbonate veins/veinlets. Fines and cobbles. No bedrock

Sample Number: S052491 UTM: 578421 mE Nad83, Zone 7

Elevation: 4725 m UTM: 6820800 mN

Comments: TR-17-03V (1.5-3m): Medium grey-brown shale/phyllite/schist with minor quartz carbonate veins/veinlets, brown phyllite cobbles. Fines and cobbles. No bedrock

Sample Number: S052492 UTM: 578424 mE Nad83, Zone 7

Elevation: 4722 m UTM: 6820800 mN

Comments: TR-17-03V (3-4.5m): Medium grey-brown shale/phyllite/schist with minor quartz carbonate veins/veinlets, brown phyllite and tan-brown phyllite/schist fines. Fines and cobbles. No bedrock

Sample Number: S052493 UTM: 578424 mE Nad83, Zone 7

Elevation: 4724 m UTM: 6820799 mN

Comments: TR-17-03V (4.5-6m): Tan-brown phyllite/schist fines and cobbles with minor grey-black shale/slate. No bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052494 UTM: 578427 mE Nad83, Zone 7

Elevation: 4711 m UTM: 6820801 mN

Comments: TR-17-03V (6-7.5m): Tan-brown phyllite/schist fines and cobbles with minor grey-black shale/slate. No bedrock

Sample Number: S052495 UTM: 578426 mE Nad83, Zone 7

Elevation: 4713 m UTM: 6820799 mN

Comments: TR-17-03V (7.5-9m): Tan-brown phyllite/schist fines and cobbles with minor grey-black shale/slate. No bedrock

Sample Number: S052496 UTM: 578430 mE Nad83, Zone 7

Elevation: 4715 m UTM: 6820798 mN

Comments: TR-17-03V (9-10.5m): Tan-brown phyllite/schist fines and cobbles with minor grey-black shale/slate and green-grey phyllite/schist. No bedrock

Sample Number: S052497 UTM: 578402 mE Nad83, Zone 7

Elevation: 4745 m UTM: 6820758 mN

Comments: TR-17-04V (0-1.5m): Grey-black-blue shale/slate, quartz-carbonate pebbles and minor pebbles of light grey schist/phyllite. All fines and pebbles, no bedrock

Sample Number: S052498 UTM: 578404 mE Nad83, Zone 7

Elevation: 4751 m UTM: 6820758 mN

Comments: TR-17-04V (1.5-3m): Grey-black-blue shale/slate, quartz-carbonate pebbles and minor pebbles of light grey schist/phyllite. All fines and pebbles, no bedrock

Sample Number: S052499 UTM: 578403 mE Nad83, Zone 7

Elevation: 4756 m UTM: 6820762 mN

Comments: TR-17-04V (3-4.5m): Grey-black-blue shale/slate, quartz-carbonate pebbles and minor pebbles of light grey schist/phyllite. All fines and pebbles, no bedrock

Rock Sample DescriptionsProperty: Vault

Sample Number: S052500 UTM: 578403 mE Nad83, Zone 7

Elevation: 4753 m UTM: 6820763 mN

Comments: TR-17-04V (4.5-6m): Grey-black-blue shale/slate, quartz-carbonate pebbles and minor pebbles of light grey schist/phyllite. All fines and pebbles, no bedrock

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
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Page: 1
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Finalized Date: 5- SEP- 2017
Account: MTT

CERTIFICATE WH17165195

Project: VAULT

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- AUG- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	JOAN MARIACHER	JACK MORTON
--------------	----------------	-------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH17165195

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K293114		1.61	1.730	2.9	0.05	<2	<10	10	<0.5	2	0.92	<0.5	2	25	180	1.03
K293115		1.02	0.025	0.9	0.10	<2	<10	30	<0.5	3	1.34	<0.5	2	30	3	0.71
K293116		0.87	0.005	<0.2	0.01	<2	<10	<10	<0.5	2	0.73	<0.5	1	26	1	0.45
K293117		0.85	0.043	0.8	1.33	2	10	10	<0.5	<2	9.4	<0.5	15	61	1630	1.59
K293118		0.42	<0.005	0.2	1.81	<2	10	260	<0.5	<2	13.9	<0.5	11	51	316	2.61
K293119		0.98	<0.005	0.2	0.50	8	<10	30	<0.5	<2	6.94	<0.5	5	9	125	1.56
K293120		1.57	<0.005	1.8	3.04	5	<10	10	<0.5	<2	6.03	1.0	33	61	99	8.23
K293121		0.44	0.007	0.2	2.48	4	<10	50	<0.5	<2	12.3	<0.5	22	86	81	4.97
K293122		1.61	0.624	1.1	0.99	5	<10	10	<0.5	<2	4.44	<0.5	12	56	1920	2.32
K293123		1.93	0.013	0.3	1.12	2	<10	10	<0.5	<2	19.3	<0.5	28	54	150	3.35
K293124		1.84	0.020	0.2	0.14	7	<10	120	<0.5	<2	19.7	0.6	2	4	21	3.04
K293125		1.04	0.056	0.9	0.11	<2	<10	10	<0.5	2	16.8	0.6	1	6	10	0.57
K293126		1.14	0.006	<0.2	0.15	3	<10	20	<0.5	<2	16.6	0.8	3	8	30	1.23



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Project: VAULT

CERTIFICATE OF ANALYSIS WH17165195

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
K293114		<10	<1	0.02	<10	0.03	121	3	0.01	2	20	3	0.45	<2	<1
K293115		<10	<1	0.04	<10	0.52	198	14	0.01	5	240	184	0.11	<2	1
K293116		<10	<1	<0.01	<10	0.06	81	<1	<0.01	2	<10	<2	0.01	2	<1
K293117		<10	<1	<0.01	<10	0.71	430	<1	0.02	56	390	2	0.03	5	7
K293118		10	1	0.01	<10	0.98	535	<1	0.02	23	210	<2	0.02	<2	7
K293119		<10	<1	0.12	<10	0.27	1180	<1	0.02	3	360	5	0.66	<2	3
K293120		10	1	0.01	<10	2.41	2340	2	0.05	50	650	14	1.74	<2	12
K293121		10	<1	0.17	<10	2.10	1305	<1	0.03	54	460	<2	0.33	<2	12
K293122		<10	<1	0.02	10	0.76	688	<1	0.04	17	500	422	0.25	<2	7
K293123		<10	<1	0.03	<10	0.84	1925	<1	0.02	46	210	5	1.16	<2	9
K293124		<10	1	<0.01	<10	8.23	1485	<1	0.01	20	100	13	1.63	2	1
K293125		<10	1	0.02	<10	1.85	895	<1	0.01	5	110	4	0.06	2	1
K293126		<10	<1	<0.01	<10	4.58	1075	1	0.01	7	220	4	0.32	<2	1



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Project: VAULT

CERTIFICATE OF ANALYSIS WH17165195

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Tl	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
K293114		<20	<0.01	<10	<10	2	<10
K293115		<20	<0.01	<10	<10	4	<10
K293116		<20	<0.01	<10	<10	1	<10
K293117		<20	0.51	<10	<10	82	<10
K293118		<20	0.23	<10	<10	98	<10
K293119		<20	<0.01	<10	<10	8	<10
K293120		<20	0.58	<10	<10	247	<10
K293121		<20	0.01	<10	<10	154	<10
K293122		<20	0.03	<10	<10	78	<10
K293123		<20	0.05	<10	<10	57	<10
K293124		<20	<0.01	<10	<10	6	<10
K293125		<20	<0.01	<10	<10	4	<10
K293126		<20	<0.01	<10	<10	5	<10

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



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CERTIFICATE OF ANALYSIS WH17165195

CERTIFICATE COMMENTS

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- AA24	ME- ICP41		



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Finalized Date: 17- SEP- 2017
Account: MTT

CERTIFICATE WH17165202

Project: VAULT

This report is for 198 Soil samples submitted to our lab in Whitehorse, YT, Canada on 8- AUG- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE

JOAN MARIACHER

JACK MORTON

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **STRATEGIC METALS LTD.**
ATTN: JOAN MARIACHER
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***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS	WH17165202
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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ117389		0.45	0.007	<0.2	4.30	6	<10	60	<0.5	<2	1.12	<0.5	50	668	134	6.26
ZZ117390		0.69	<0.005	<0.2	4.19	23	<10	40	<0.5	<2	1.59	<0.5	58	623	184	6.37
ZZ117391		0.75	0.389	0.3	2.75	1550	<10	100	0.6	<2	0.60	2.4	42	59	155	6.95
ZZ117392		0.79	0.010	<0.2	3.97	11	<10	110	<0.5	<2	2.51	<0.5	37	133	205	6.95
ZZ117393		0.61	0.007	<0.2	3.55	6	<10	50	<0.5	<2	1.33	<0.5	41	115	132	5.83
ZZ117394		0.71	0.010	<0.2	4.21	<2	<10	30	<0.5	2	1.13	<0.5	46	116	252	6.70
ZZ117395		0.63	0.006	<0.2	3.53	2	<10	40	<0.5	2	1.98	<0.5	39	93	294	6.57
ZZ117396		0.70	0.006	<0.2	3.93	2	<10	20	<0.5	2	2.32	<0.5	51	159	234	7.36
ZZ117397		0.70	0.016	<0.2	3.05	8	<10	120	<0.5	<2	0.77	<0.5	43	122	185	5.99
ZZ117398		0.48	0.028	<0.2	2.27	14	<10	90	<0.5	<2	0.58	<0.5	25	66	322	4.65
ZZ117399		0.56	0.006	<0.2	4.49	7	<10	110	<0.5	<2	1.81	<0.5	61	202	315	8.52
ZZ117400		0.43	0.027	<0.2	3.09	18	<10	90	<0.5	<2	0.80	<0.5	40	95	204	6.55
ZZ117401		0.41	0.015	<0.2	2.78	26	<10	110	0.6	<2	0.53	<0.5	32	88	220	5.71
ZZ117402		0.65	0.005	<0.2	5.61	<2	<10	30	<0.5	<2	1.09	<0.5	49	209	383	9.07
ZZ117403		0.61	0.006	<0.2	6.07	223	<10	10	<0.5	<2	3.29	<0.5	86	1895	94	7.35
ZZ117404		0.24	0.011	<0.2	2.03	59	<10	10	<0.5	<2	0.85	<0.5	16	15	69	6.62
ZZ117405		0.62	4.38	2.3	1.10	5120	<10	40	0.7	<2	1.35	<0.5	35	14	162	5.97
ZZ117406		0.26	0.024	1.0	1.87	46	<10	10	0.7	<2	2.57	<0.5	20	15	363	5.48
ZZ117407		0.55	0.016	<0.2	1.81	35	<10	30	<0.5	<2	1.94	<0.5	15	58	59	3.20
ZZ117408		0.29	0.019	0.4	1.57	225	<10	30	0.6	2	2.72	9.2	69	97	225	3.56
ZZ117409		0.71	0.102	1.0	1.35	456	<10	20	<0.5	<2	3.57	<0.5	86	213	178	7.50
ZZ117410		0.26	0.020	0.2	2.31	24	<10	130	<0.5	<2	0.72	<0.5	36	55	241	5.84
ZZ117411		0.62	0.008	<0.2	2.39	18	<10	90	<0.5	<2	0.58	<0.5	31	120	101	4.74
ZZ117412		0.27	0.007	0.4	3.15	15	<10	100	<0.5	<2	0.76	0.5	55	188	192	6.90
ZZ117413		0.76	0.006	0.3	2.21	15	<10	240	0.5	<2	0.73	0.5	44	97	107	4.99
ZZ117414		0.28	0.014	0.2	1.34	10	<10	90	<0.5	<2	0.47	<0.5	16	50	51	3.12
ZZ117415		0.54	0.007	<0.2	2.37	19	<10	110	0.5	<2	0.54	<0.5	28	49	112	5.28
ZZ117416		0.26	0.010	0.3	3.33	4	10	110	0.6	3	2.17	1.2	50	50	410	9.34
ZZ117417		0.63	0.027	<0.2	2.42	8	<10	70	<0.5	<2	0.77	<0.5	34	85	173	4.67
ZZ117418		0.28	<0.005	<0.2	4.72	2	<10	30	<0.5	<2	0.75	<0.5	54	655	188	5.90
ZZ117419		0.60	<0.005	<0.2	2.55	7	<10	40	<0.5	2	0.80	<0.5	31	98	126	4.10
ZZ117420		0.18	0.007	<0.2	2.29	7	<10	40	<0.5	<2	0.75	<0.5	27	69	93	3.93
ZZ117421		0.68	0.006	<0.2	2.73	2	<10	20	<0.5	<2	1.03	<0.5	34	124	202	5.37
ZZ117422		0.45	0.040	0.7	2.95	15	<10	60	<0.5	<2	0.54	<0.5	34	121	111	5.87
ZZ117423		0.36	0.021	0.2	2.23	21	<10	180	0.5	2	0.67	<0.5	24	55	71	4.58
ZZ117424		0.35	0.068	0.3	2.06	28	<10	140	<0.5	<2	1.26	<0.5	28	71	128	4.64
ZZ117425		0.51	0.082	0.5	2.44	60	<10	70	<0.5	<2	1.80	0.5	39	123	186	5.65
ZZ117426		0.51	0.048	0.5	2.40	53	<10	50	<0.5	2	1.80	<0.5	38	55	149	5.58
ZZ117427		0.46	0.060	0.5	2.45	70	<10	80	<0.5	2	0.87	<0.5	31	121	116	5.30
ZZ117428		0.44	0.063	0.5	1.74	25	<10	60	<0.5	<2	3.27	<0.5	27	54	110	4.76



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Account: MTT

Project: VAULT

CERTIFICATE OF ANALYSIS	WH17165202
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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ117389	10	<1	0.02	<10	4.69	1535	<1	<0.01	220	330	9	0.01	<2	20	11
ZZ117390	10	<1	0.02	<10	4.97	1730	1	0.01	218	340	3	0.02	<2	23	48
ZZ117391	10	<1	0.11	20	1.81	825	2	0.01	89	1260	16	0.08	12	6	30
ZZ117392	10	<1	0.06	<10	4.26	1080	<1	<0.01	72	490	2	<0.01	<2	18	28
ZZ117393	10	<1	0.05	<10	3.80	1140	<1	0.01	78	410	<2	0.01	<2	15	21
ZZ117394	10	<1	0.05	<10	4.87	684	1	0.01	91	400	<2	0.01	3	15	20
ZZ117395	10	<1	0.04	<10	3.73	979	1	0.01	70	470	<2	0.01	<2	15	22
ZZ117396	10	<1	0.05	<10	3.91	1050	1	<0.01	98	390	<2	0.01	<2	14	19
ZZ117397	10	<1	0.07	10	2.87	1180	1	0.01	87	700	5	0.03	2	11	24
ZZ117398	10	1	0.08	10	1.89	1040	2	0.02	60	960	6	0.06	<2	7	30
ZZ117399	20	<1	0.05	10	4.50	1225	<1	0.01	91	700	3	0.01	<2	24	19
ZZ117400	10	<1	0.07	10	2.28	1310	1	0.02	72	570	5	0.06	<2	13	25
ZZ117401	10	<1	0.12	10	1.73	1940	3	0.01	74	1040	9	0.10	2	9	27
ZZ117402	20	<1	0.04	<10	6.53	1335	<1	<0.01	123	510	3	<0.01	<2	33	10
ZZ117403	10	1	0.01	10	9.96	975	1	<0.01	845	320	<2	<0.01	3	33	39
ZZ117404	<10	<1	0.08	10	0.83	456	2	0.01	36	510	14	0.12	6	4	23
ZZ117405	<10	<1	0.07	10	0.59	944	2	0.01	52	1180	18	0.07	7	9	58
ZZ117406	10	<1	0.07	10	0.93	906	2	0.01	24	2070	16	0.03	3	4	29
ZZ117407	10	<1	0.09	10	1.05	602	<1	0.01	36	620	6	0.01	5	7	26
ZZ117408	<10	<1	0.10	10	0.91	1030	1	<0.01	158	480	115	0.03	4	8	17
ZZ117409	<10	<1	0.04	<10	2.94	1160	1	0.01	420	470	7	0.19	35	28	163
ZZ117410	10	<1	0.06	10	1.74	1505	3	0.02	62	910	7	0.04	3	12	31
ZZ117411	10	<1	0.05	10	1.66	784	2	0.02	96	700	8	0.06	<2	9	22
ZZ117412	10	<1	0.04	10	2.92	1370	3	0.02	180	590	6	0.02	2	16	22
ZZ117413	10	1	0.08	10	1.85	1230	3	0.02	103	780	8	0.04	2	11	27
ZZ117414	<10	<1	0.08	10	0.74	882	2	0.02	51	590	8	0.04	2	5	25
ZZ117415	10	1	0.06	10	1.22	1090	3	0.02	50	930	9	0.08	<2	8	32
ZZ117416	10	1	0.23	<10	2.83	2250	2	0.02	50	920	3	<0.01	<2	30	53
ZZ117417	10	<1	0.04	10	2.26	914	1	0.01	74	550	4	0.01	2	10	28
ZZ117418	10	<1	0.03	<10	6.64	1015	1	<0.01	359	290	<2	<0.01	<2	8	21
ZZ117419	10	<1	0.04	<10	2.66	789	1	0.01	97	350	2	0.02	<2	7	27
ZZ117420	10	<1	0.05	<10	2.36	708	1	0.01	72	520	<2	0.01	<2	6	30
ZZ117421	10	<1	0.06	<10	2.76	798	1	<0.01	68	570	<2	<0.01	2	10	29
ZZ117422	10	<1	0.07	10	2.15	1945	3	0.01	66	820	8	0.07	<2	9	34
ZZ117423	10	<1	0.06	10	1.26	1040	3	0.01	41	1190	10	0.09	<2	3	34
ZZ117424	10	1	0.06	10	1.57	1030	4	<0.01	53	790	17	0.12	<2	8	55
ZZ117425	10	<1	0.06	10	2.29	1075	8	<0.01	77	830	21	0.20	<2	8	74
ZZ117426	10	<1	0.05	10	1.82	1035	5	<0.01	67	830	21	0.13	<2	7	56
ZZ117427	10	<1	0.09	20	1.58	1530	6	<0.01	88	1110	54	0.02	<2	6	28
ZZ117428	10	<1	0.05	10	2.26	822	5	<0.01	66	840	20	0.14	3	5	75



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ117389		<20	0.13	<10	<10	133	<10	93
ZZ117390		<20	0.13	<10	<10	138	<10	102
ZZ117391		<20	0.01	<10	<10	53	<10	232
ZZ117392		<20	0.41	<10	<10	202	<10	99
ZZ117393		<20	0.37	<10	<10	143	<10	98
ZZ117394		<20	0.49	<10	<10	183	<10	93
ZZ117395		<20	0.44	<10	<10	183	<10	84
ZZ117396		<20	0.38	<10	<10	146	<10	79
ZZ117397		<20	0.27	<10	<10	122	<10	91
ZZ117398		<20	0.12	<10	<10	83	<10	99
ZZ117399		<20	0.45	<10	<10	278	<10	97
ZZ117400		<20	0.25	<10	<10	144	<10	98
ZZ117401		<20	0.10	<10	<10	112	<10	116
ZZ117402		<20	0.49	<10	<10	280	<10	119
ZZ117403		<20	0.04	<10	<10	176	<10	80
ZZ117404		<20	0.01	<10	<10	28	<10	128
ZZ117405		<20	0.01	<10	<10	23	<10	95
ZZ117406		<20	<0.01	<10	<10	35	<10	134
ZZ117407		<20	<0.01	<10	<10	68	<10	70
ZZ117408		<20	0.11	<10	<10	46	<10	929
ZZ117409		<20	<0.01	<10	<10	66	<10	114
ZZ117410		<20	0.16	<10	<10	128	<10	117
ZZ117411		<20	0.17	<10	<10	118	<10	100
ZZ117412		<20	0.27	<10	<10	172	<10	118
ZZ117413		<20	0.09	<10	<10	98	<10	108
ZZ117414		<20	0.05	<10	<10	53	<10	85
ZZ117415		<20	0.13	<10	<10	124	<10	109
ZZ117416		<20	0.48	<10	<10	277	<10	139
ZZ117417		<20	0.18	<10	<10	115	<10	72
ZZ117418		<20	0.17	<10	<10	102	<10	67
ZZ117419		<20	0.16	<10	<10	93	<10	61
ZZ117420		<20	0.23	<10	<10	100	<10	60
ZZ117421		<20	0.43	<10	<10	176	<10	72
ZZ117422		<20	0.01	<10	<10	82	<10	60
ZZ117423		<20	0.04	<10	<10	86	<10	79
ZZ117424		<20	0.02	<10	<10	70	<10	101
ZZ117425		<20	0.05	<10	<10	69	<10	133
ZZ117426		<20	<0.01	<10	<10	55	<10	146
ZZ117427		<20	0.01	<10	<10	45	<10	168
ZZ117428		<20	0.03	<10	<10	47	<10	139



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Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ117429		0.48	0.107	0.5	2.46	29	<10	100	<0.5	2	1.24	<0.5	37	92	166	5.60
ZZ117430		0.53	0.069	0.4	2.52	39	<10	50	<0.5	2	1.85	<0.5	33	91	151	5.32
ZZ117431		0.53	1.120	0.5	2.38	50	<10	90	<0.5	2	0.86	<0.5	27	27	202	5.20
ZZ117432		0.66	0.098	0.8	1.92	83	<10	400	0.5	3	2.61	0.9	27	27	177	5.47
ZZ117433		0.44	0.042	0.3	2.81	45	<10	50	<0.5	2	0.66	0.9	52	170	205	5.72
ZZ117434		0.20	0.024	<0.2	1.44	16	<10	100	<0.5	<2	0.89	0.5	19	36	62	3.04
ZZ117435		0.37	0.130	<0.2	1.84	10	<10	80	<0.5	3	1.86	<0.5	22	33	179	3.96
ZZ117436		0.36	0.035	0.2	2.32	30	<10	60	<0.5	<2	1.45	1.5	35	63	211	4.74
ZZ117437		0.37	0.038	<0.2	2.49	12	<10	70	<0.5	<2	1.67	<0.5	40	101	218	4.37
ZZ117438		0.32	0.081	<0.2	1.94	14	<10	100	<0.5	<2	1.67	<0.5	30	71	107	4.04
ZZ117439		0.38	0.026	<0.2	2.40	8	<10	40	<0.5	<2	2.20	<0.5	29	57	123	4.59
ZZ117440		0.40	0.148	<0.2	2.19	25	<10	30	<0.5	2	1.55	<0.5	35	33	159	4.95
ZZ117441		0.34	0.144	0.3	1.43	11	<10	120	<0.5	<2	1.96	<0.5	25	50	108	4.64
ZZ117442		0.33	0.018	0.4	1.71	37	<10	70	<0.5	<2	0.78	0.8	28	31	87	5.00
ZZ117443		0.38	0.066	0.3	1.73	61	<10	100	<0.5	<2	1.37	<0.5	20	41	100	4.05
ZZ117444		0.33	0.100	0.3	2.28	106	<10	60	<0.5	<2	0.87	0.9	37	83	147	5.70
ZZ117445		0.40	0.048	0.2	2.65	39	<10	80	<0.5	2	0.80	<0.5	39	95	162	5.91
ZZ117446		0.32	0.029	<0.2	1.74	16	<10	140	<0.5	<2	0.61	<0.5	14	31	55	2.88
ZZ117447		0.25	0.048	0.2	1.89	22	<10	90	<0.5	<2	1.43	<0.5	21	48	91	3.97
ZZ117448		0.37	0.016	0.2	2.13	57	<10	80	<0.5	2	1.78	<0.5	39	54	153	5.36
ZZ117449		0.44	0.008	<0.2	1.82	33	<10	80	<0.5	<2	1.49	0.6	31	37	109	5.92
ZZ117450		0.42	0.035	<0.2	2.26	34	<10	50	<0.5	2	2.58	<0.5	44	150	150	5.64
ZZ117451		0.30	0.012	<0.2	2.06	16	<10	80	<0.5	2	1.01	<0.5	23	79	85	3.80
ZZ117452		0.50	0.032	0.7	2.46	45	<10	50	0.5	<2	0.56	1.3	58	72	229	7.59
ZZ117453		0.45	0.031	0.5	2.02	183	<10	60	0.5	<2	0.76	1.0	42	43	160	6.79
ZZ117454		0.47	0.070	0.2	1.81	83	<10	60	<0.5	2	0.62	<0.5	31	42	123	4.61
ZZ117455		0.36	0.036	0.2	1.94	74	<10	80	<0.5	<2	1.00	0.6	30	61	144	4.92
ZZ117456		0.48	0.058	0.4	2.01	71	<10	70	<0.5	<2	0.86	1.0	35	54	159	5.28
ZZ117457		0.48	0.024	0.3	2.64	73	<10	70	<0.5	2	0.63	0.5	45	88	155	5.84
ZZ117458		0.38	0.025	0.4	2.19	157	<10	110	0.5	2	1.08	<0.5	30	52	206	5.72
ZZ117459		0.37	0.027	0.4	2.00	85	<10	140	0.5	<2	1.07	0.6	52	38	202	5.31
ZZ117460		0.34	0.023	0.4	1.71	41	<10	100	<0.5	<2	1.39	0.5	23	58	122	4.23
ZZ117461		0.42	0.045	0.5	1.72	59	<10	140	<0.5	2	1.04	1.1	27	56	146	4.98
ZZ117462		0.58	0.063	0.2	2.69	18	<10	60	<0.5	3	1.61	<0.5	40	106	270	5.76
ZZ117463		0.41	0.024	0.8	2.55	48	<10	70	<0.5	<2	1.10	1.5	49	264	182	5.76
ZZ117464		0.45	0.096	1.3	0.83	374	<10	90	<0.5	3	2.67	3.2	42	54	191	6.22
ZZ117465		0.41	0.066	0.5	2.34	86	<10	40	<0.5	2	2.16	0.5	60	87	1120	7.49
ZZ117466		0.41	0.085	<0.2	2.85	18	<10	120	<0.5	<2	0.77	<0.5	39	90	219	5.57
ZZ117467		0.37	0.009	0.5	2.76	37	<10	100	<0.5	3	1.21	1.1	63	220	192	5.80
ZZ117468		0.27	0.005	0.2	1.97	29	<10	120	<0.5	<2	1.03	<0.5	26	70	77	3.72



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ117429		10	<1	0.05	10	2.14	1340	4	<0.01	73	880	24	0.17	<2	9	45
ZZ117430		10	<1	0.04	10	1.87	1170	3	<0.01	71	990	33	0.08	<2	7	46
ZZ117431		10	<1	0.11	10	1.37	1085	6	<0.01	40	1450	24	0.03	<2	5	46
ZZ117432		10	<1	0.08	10	1.19	1220	19	<0.01	52	780	28	0.17	<2	8	151
ZZ117433		10	<1	0.04	10	2.61	1465	2	<0.01	67	570	31	0.12	<2	9	29
ZZ117434		10	<1	0.05	10	0.78	798	2	0.01	31	1000	16	0.13	2	3	38
ZZ117435		10	<1	0.05	10	1.15	1050	2	0.01	27	940	8	0.13	<2	8	55
ZZ117436		10	1	0.05	10	1.73	1195	2	<0.01	38	920	14	0.09	<2	6	49
ZZ117437		10	1	0.07	10	2.38	1030	1	<0.01	59	710	6	0.09	<2	6	46
ZZ117438		<10	<1	0.05	10	1.50	1360	2	<0.01	50	880	7	0.18	2	10	53
ZZ117439		10	<1	0.05	10	1.94	863	2	<0.01	32	880	4	0.06	2	4	48
ZZ117440		10	<1	0.04	10	1.67	979	1	<0.01	27	1060	8	0.09	<2	5	50
ZZ117441		<10	<1	0.07	10	1.40	1020	2	<0.01	34	1390	8	0.06	<2	8	83
ZZ117442		<10	<1	0.04	10	1.02	935	2	0.01	40	850	29	0.14	3	4	30
ZZ117443		<10	<1	0.06	10	1.18	943	2	<0.01	32	850	18	0.13	<2	5	47
ZZ117444		10	<1	0.05	10	1.70	1305	2	<0.01	81	580	33	0.08	<2	10	37
ZZ117445		10	1	0.05	10	2.19	1295	1	<0.01	63	660	24	0.06	<2	12	35
ZZ117446		10	<1	0.03	10	0.66	710	1	0.01	23	960	27	0.08	<2	3	39
ZZ117447		10	<1	0.05	10	1.24	844	2	0.01	35	970	17	0.12	<2	5	45
ZZ117448		10	<1	0.07	10	1.59	1205	3	<0.01	61	1050	20	0.05	2	8	56
ZZ117449		10	1	0.06	10	1.14	852	2	<0.01	33	780	13	0.14	<2	10	43
ZZ117450		10	1	0.07	10	2.26	948	2	<0.01	99	1140	17	0.11	<2	9	73
ZZ117451		10	<1	0.05	10	1.70	714	2	0.01	64	700	4	0.19	2	6	30
ZZ117452		10	<1	0.04	10	1.53	1295	4	0.01	110	1090	20	0.27	3	10	30
ZZ117453		10	<1	0.05	10	1.28	1330	3	0.01	84	1040	26	0.31	4	7	36
ZZ117454		<10	<1	0.07	10	1.05	1275	2	<0.01	48	960	13	0.21	2	6	23
ZZ117455		10	<1	0.06	10	1.24	1105	2	0.01	47	970	15	0.25	<2	9	37
ZZ117456		10	<1	0.06	10	1.23	1315	3	<0.01	66	770	23	0.28	<2	8	32
ZZ117457		10	<1	0.06	10	2.05	1145	2	<0.01	73	870	19	0.25	4	10	26
ZZ117458		<10	<1	0.06	20	1.52	1110	3	<0.01	64	820	22	0.25	2	7	45
ZZ117459		10	<1	0.06	10	1.27	1285	2	<0.01	62	850	15	0.15	2	7	49
ZZ117460		<10	<1	0.05	10	1.13	890	3	<0.01	68	790	17	0.11	<2	6	44
ZZ117461		<10	1	0.04	10	1.07	985	3	<0.01	74	870	16	0.11	2	7	37
ZZ117462		10	<1	0.03	10	2.29	972	1	<0.01	87	800	6	0.10	2	12	39
ZZ117463		10	<1	0.03	10	2.67	736	6	<0.01	307	1110	9	0.06	2	8	30
ZZ117464		<10	<1	0.03	10	1.04	815	16	<0.01	150	2010	26	0.26	4	13	123
ZZ117465		10	<1	0.03	10	2.04	1570	3	<0.01	136	940	10	0.17	4	15	47
ZZ117466		10	<1	0.03	10	1.67	2270	1	<0.01	79	720	7	0.09	2	12	27
ZZ117467		10	<1	0.03	10	2.87	971	3	<0.01	305	730	9	0.09	2	11	30
ZZ117468		10	<1	0.04	10	1.12	647	2	0.01	83	900	9	0.09	<2	4	34



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	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
	20	0.01	10	10	1	10	2
ZZ117429	<20	0.02	<10	<10	70	<10	129
ZZ117430	<20	0.02	<10	<10	60	<10	132
ZZ117431	<20	0.11	<10	<10	63	<10	163
ZZ117432	<20	<0.01	<10	<10	53	<10	227
ZZ117433	<20	0.07	<10	<10	94	<10	106
ZZ117434	<20	0.05	<10	<10	51	<10	78
ZZ117435	<20	0.02	<10	<10	66	<10	85
ZZ117436	<20	0.03	<10	<10	71	<10	241
ZZ117437	<20	0.04	<10	<10	59	<10	76
ZZ117438	<20	0.02	<10	<10	63	<10	56
ZZ117439	<20	0.06	<10	<10	53	<10	68
ZZ117440	<20	0.04	<10	<10	64	<10	80
ZZ117441	<20	0.02	<10	<10	53	<10	63
ZZ117442	<20	0.03	<10	<10	47	<10	139
ZZ117443	<20	0.02	<10	<10	52	<10	86
ZZ117444	<20	0.04	<10	<10	85	<10	185
ZZ117445	<20	0.05	<10	<10	118	<10	100
ZZ117446	<20	0.04	<10	<10	51	<10	73
ZZ117447	<20	0.03	<10	<10	62	<10	73
ZZ117448	<20	0.01	<10	<10	59	<10	116
ZZ117449	<20	<0.01	<10	<10	54	<10	134
ZZ117450	<20	0.01	<10	<10	85	<10	129
ZZ117451	<20	0.09	<10	<10	83	<10	80
ZZ117452	<20	0.02	<10	<10	71	<10	291
ZZ117453	<20	0.02	<10	<10	51	<10	233
ZZ117454	<20	0.02	<10	<10	52	<10	87
ZZ117455	<20	0.02	<10	<10	69	<10	206
ZZ117456	<20	0.02	<10	<10	66	<10	207
ZZ117457	<20	0.02	<10	<10	88	<10	161
ZZ117458	<20	0.01	<10	<10	64	<10	131
ZZ117459	<20	0.02	<10	<10	64	<10	142
ZZ117460	<20	0.01	<10	<10	50	<10	126
ZZ117461	<20	0.01	<10	<10	48	<10	201
ZZ117462	<20	0.01	<10	<10	92	<10	105
ZZ117463	<20	0.15	<10	<10	129	<10	149
ZZ117464	<20	0.01	<10	<10	60	<10	266
ZZ117465	<20	0.01	<10	<10	87	<10	116
ZZ117466	<20	0.02	<10	<10	93	<10	66
ZZ117467	<20	0.14	<10	<10	136	<10	114
ZZ117468	<20	0.07	<10	<10	79	<10	78



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Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ117469		0.31	<0.005	<0.2	1.54	40	<10	120	<0.5	<2	0.74	<0.5	17	49	68	2.64
ZZ117470		0.53	0.012	<0.2	3.19	15	<10	100	<0.5	2	0.94	<0.5	38	113	179	5.82
ZZ117471		0.37	0.014	<0.2	2.28	19	<10	100	<0.5	2	0.93	<0.5	22	77	110	4.40
ZZ117472		0.45	0.011	<0.2	3.43	23	10	110	<0.5	5	0.99	<0.5	39	124	210	6.30
ZZ117473		0.51	0.012	<0.2	3.47	18	<10	50	<0.5	4	1.34	<0.5	40	128	188	6.46
ZZ117474		0.39	0.016	<0.2	3.24	22	<10	60	<0.5	<2	1.09	<0.5	36	118	196	6.09
ZZ117475		0.42	0.009	<0.2	3.43	38	<10	60	<0.5	4	0.92	<0.5	43	155	217	7.23
ZZ117476		0.52	0.037	<0.2	2.96	134	<10	50	<0.5	<2	1.09	0.5	43	200	161	6.09
ZZ117477		0.36	0.015	0.2	2.32	104	<10	70	<0.5	<2	0.96	<0.5	31	126	119	4.70
ZZ117478		0.44	0.010	0.2	2.20	61	<10	40	<0.5	2	0.81	<0.5	28	138	90	4.98
ZZ117479		0.33	0.048	0.2	2.53	22	<10	100	<0.5	3	1.10	<0.5	32	115	163	5.47
ZZ117480		0.50	0.050	<0.2	4.23	10	<10	120	<0.5	2	0.51	<0.5	47	227	250	7.28
ZZ117481		0.29	0.031	<0.2	2.59	20	<10	100	<0.5	3	0.73	<0.5	28	94	136	5.13
ZZ117482		0.38	0.037	<0.2	2.54	13	<10	80	<0.5	2	1.00	<0.5	26	92	122	4.94
ZZ117483		0.38	0.026	0.4	1.96	47	10	130	<0.5	<2	1.05	0.5	25	52	117	4.72
ZZ117484		0.45	0.020	0.4	2.18	52	<10	90	<0.5	<2	0.88	0.5	30	69	131	5.55
ZZ117485		0.42	0.022	0.3	2.00	45	10	60	<0.5	<2	0.97	0.6	26	33	125	5.09
ZZ117486		0.46	0.012	<0.2	1.64	20	<10	90	<0.5	<2	1.07	0.5	17	29	113	3.88
ZZ117487		0.49	0.047	0.4	1.56	27	<10	60	<0.5	<2	1.50	0.5	21	32	102	3.76
ZZ117488		0.30	0.015	0.3	1.65	82	10	60	<0.5	<2	1.29	0.5	25	24	98	5.13
ZZ117489		0.43	0.035	0.3	1.77	90	10	100	<0.5	<2	1.07	0.9	31	39	106	5.81
ZZ117490		0.33	0.014	0.3	1.76	61	10	80	<0.5	<2	1.18	0.7	20	42	88	4.05
ZZ117491		0.47	0.020	0.3	1.99	48	<10	80	<0.5	<2	0.72	0.7	24	51	106	5.17
ZZ117492		0.34	0.021	<0.2	1.54	26	<10	100	<0.5	2	0.79	<0.5	17	42	96	3.13
ZZ117493		0.37	0.033	0.3	2.24	30	<10	80	<0.5	<2	1.36	<0.5	29	113	184	4.50
ZZ117494		0.36	0.048	0.3	2.67	34	10	80	<0.5	<2	0.81	0.7	39	101	164	5.23
ZZ117495		0.35	0.036	0.3	1.89	15	<10	90	<0.5	<2	1.47	<0.5	22	66	176	3.71
ZZ117496		0.37	0.080	0.2	1.61	10	<10	60	<0.5	<2	1.23	<0.5	19	30	94	3.38
ZZ117497		0.38	0.039	0.2	1.74	13	10	80	<0.5	<2	1.56	<0.5	20	58	110	3.41
ZZ117498		0.49	0.088	0.3	2.23	28	<10	70	<0.5	<2	0.83	<0.5	33	81	199	4.50
ZZ117499		0.47	0.138	0.3	2.51	7	<10	50	<0.5	<2	1.14	0.8	35	60	110	5.54
ZZ117500		0.28	0.037	<0.2	1.63	37	<10	90	<0.5	<2	0.83	<0.5	18	37	88	4.00
ZZ117114		0.18	0.047	0.3	2.51	48	<10	50	<0.5	<2	2.36	0.5	76	121	254	5.07
ZZ117115		0.20	0.040	0.3	1.70	25	10	110	<0.5	<2	1.68	<0.5	22	55	92	3.76
ZZ117116		0.27	0.055	0.2	2.11	17	<10	120	<0.5	<2	1.34	<0.5	25	50	111	4.47
ZZ117117		0.24	0.038	0.2	1.73	16	<10	80	0.5	<2	1.36	<0.5	25	28	120	4.21
ZZ117118		0.31	0.037	0.3	3.42	16	<10	70	<0.5	<2	2.91	<0.5	39	192	134	6.24
ZZ117119		0.23	0.039	0.5	1.94	23	<10	60	<0.5	<2	4.15	<0.5	24	45	109	4.87
ZZ117120		0.26	0.077	0.5	2.37	31	<10	70	<0.5	<2	2.14	<0.5	31	65	152	5.77
ZZ117121		0.23	0.066	0.7	3.00	69	<10	80	<0.5	<2	2.30	<0.5	55	105	260	6.47



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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	
	Units LOR	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ117469		10	1	0.03	10	0.71	506	2	0.02	48	890	6	0.09	2	3	31
ZZ117470		10	<1	0.05	10	3.26	1085	1	<0.01	78	600	2	0.03	<2	10	21
ZZ117471		10	<1	0.07	10	1.91	650	2	0.02	61	880	6	0.06	2	7	32
ZZ117472		10	<1	0.06	10	3.51	1230	1	<0.01	85	670	4	0.03	<2	12	26
ZZ117473		10	1	0.05	10	3.45	1030	1	<0.01	92	610	3	0.02	<2	12	28
ZZ117474		10	1	0.05	10	3.10	945	1	<0.01	85	670	7	0.03	<2	12	25
ZZ117475		10	<1	0.06	10	2.98	1235	2	0.01	107	740	9	0.05	<2	15	29
ZZ117476		10	<1	0.06	10	2.80	1030	3	<0.01	128	700	18	0.05	<2	12	25
ZZ117477		10	<1	0.06	10	1.94	1005	2	0.01	88	680	15	0.06	3	8	26
ZZ117478		10	<1	0.03	10	1.90	838	2	<0.01	100	850	10	0.08	3	8	24
ZZ117479		10	1	0.03	10	2.16	1790	1	<0.01	90	680	8	0.10	<2	12	29
ZZ117480		10	<1	0.05	10	4.06	1720	1	<0.01	126	650	5	0.03	<2	17	20
ZZ117481		10	<1	0.04	10	2.01	1325	1	<0.01	67	720	10	0.06	2	9	28
ZZ117482		10	<1	0.04	10	2.11	1120	1	<0.01	65	580	7	0.07	<2	9	31
ZZ117483		<10	<1	0.04	10	1.15	1005	2	0.02	57	790	20	0.09	<2	5	42
ZZ117484		10	<1	0.05	10	1.45	1125	2	0.02	70	900	20	0.12	<2	8	33
ZZ117485		10	<1	0.06	10	1.23	875	2	0.02	40	1020	24	0.08	<2	6	32
ZZ117486		<10	<1	0.05	20	0.85	997	2	0.01	28	850	12	0.08	<2	5	51
ZZ117487		<10	<1	0.04	10	0.88	747	3	0.02	38	840	13	0.10	<2	4	47
ZZ117488		<10	<1	0.04	10	0.92	735	3	0.02	38	840	19	0.10	<2	5	48
ZZ117489		10	<1	0.06	10	1.06	992	4	0.02	52	940	30	0.09	<2	10	50
ZZ117490		<10	<1	0.05	10	0.97	676	1	0.03	37	740	25	0.08	<2	5	42
ZZ117491		<10	<1	0.05	10	1.23	807	2	0.02	44	740	32	0.08	<2	7	32
ZZ117492		<10	<1	0.05	10	0.79	595	1	0.02	39	860	9	0.08	<2	4	33
ZZ117493		10	<1	0.05	10	1.78	942	1	0.02	65	680	17	0.08	<2	8	36
ZZ117494		10	<1	0.07	10	2.05	1515	1	0.01	71	720	23	0.06	<2	9	30
ZZ117495		<10	1	0.05	10	1.31	908	1	0.01	44	920	37	0.10	<2	4	44
ZZ117496		<10	1	0.05	10	1.05	778	1	0.01	21	740	16	0.08	<2	3	38
ZZ117497		<10	1	0.04	10	1.21	877	1	0.01	36	880	12	0.10	<2	4	43
ZZ117498		10	1	0.05	10	1.85	1050	1	0.01	47	910	17	0.05	<2	6	34
ZZ117499		10	1	0.07	<10	2.25	1000	1	<0.01	38	1150	8	0.17	<2	6	36
ZZ117500		<10	1	0.03	10	0.90	812	2	0.01	36	750	12	0.07	<2	5	30
ZZ117114		10	1	0.06	10	2.34	1270	1	0.03	54	810	11	0.08	<2	14	90
ZZ117115		<10	1	0.04	10	1.26	971	2	0.02	48	890	11	0.13	<2	5	57
ZZ117116		10	<1	0.10	10	1.63	1105	3	0.01	42	900	14	0.05	<2	7	59
ZZ117117		<10	1	0.10	10	1.26	655	1	0.01	32	660	11	0.06	<2	7	49
ZZ117118		10	<1	0.08	10	2.79	1150	2	0.01	97	630	37	0.06	<2	13	55
ZZ117119		10	<1	0.05	10	2.39	678	5	0.01	56	760	23	0.16	<2	5	100
ZZ117120		10	<1	0.04	10	2.00	1035	3	0.01	57	900	26	0.15	<2	7	66
ZZ117121		10	1	0.06	10	2.23	1120	4	0.01	76	760	34	0.09	<2	9	53



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Th	Ti	Ti	U	V	W
	Units	ppm	%	ppm	ppm	ppm	ppm
LOR		20	0.01	10	10	1	10
ZZ117469		<20	0.05	<10	<10	58	<10
ZZ117470		<20	0.34	<10	<10	154	<10
ZZ117471		<20	0.18	<10	<10	103	<10
ZZ117472		<20	0.30	<10	<10	159	<10
ZZ117473		<20	0.39	<10	<10	177	<10
ZZ117474		<20	0.34	<10	<10	163	<10
ZZ117475		<20	0.19	<10	<10	166	<10
ZZ117476		<20	0.04	<10	<10	92	<10
ZZ117477		<20	0.04	<10	<10	71	<10
ZZ117478		<20	0.02	<10	<10	71	<10
ZZ117479		<20	0.03	<10	<10	101	<10
ZZ117480		<20	0.07	10	<10	159	<10
ZZ117481		<20	0.03	<10	<10	91	<10
ZZ117482		<20	0.04	<10	<10	96	<10
ZZ117483		<20	0.02	<10	<10	56	<10
ZZ117484		<20	0.02	<10	<10	65	<10
ZZ117485		<20	0.01	<10	<10	51	<10
ZZ117486		<20	0.02	<10	<10	45	<10
ZZ117487		<20	0.03	<10	<10	49	<10
ZZ117488		<20	0.02	<10	<10	42	<10
ZZ117489		<20	0.02	<10	<10	61	<10
ZZ117490		<20	0.03	<10	<10	46	<10
ZZ117491		<20	0.02	<10	<10	51	<10
ZZ117492		<20	0.04	<10	<10	51	<10
ZZ117493		<20	0.03	<10	<10	73	<10
ZZ117494		<20	0.04	<10	<10	91	<10
ZZ117495		<20	0.03	<10	<10	55	<10
ZZ117496		<20	0.02	<10	<10	38	<10
ZZ117497		<20	0.02	<10	<10	49	<10
ZZ117498		<20	0.02	<10	<10	53	<10
ZZ117499		<20	0.05	<10	<10	66	<10
ZZ117500		<20	0.02	<10	<10	47	<10
ZZ117114		<20	0.05	<10	<10	99	<10
ZZ117115		<20	0.03	<10	<10	56	<10
ZZ117116		<20	0.01	<10	<10	56	<10
ZZ117117		<20	0.01	<10	<10	54	<10
ZZ117118		<20	0.02	<10	<10	94	<10
ZZ117119		<20	0.02	<10	<10	48	<10
ZZ117120		<20	0.02	<10	<10	61	<10
ZZ117121		<20	0.05	<10	<10	85	<10



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Sample Description	Method	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR																
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ117122		0.23	0.119	1.0	3.67	37	<10	40	<0.5	<2	1.94	<0.5	58	281	318	6.98
ZZ117123		0.22	0.196	0.7	2.22	43	<10	120	<0.5	<2	1.06	<0.5	42	73	252	6.38
ZZ117124		0.14	0.116	<0.2	1.92	10	<10	50	<0.5	<2	0.71	<0.5	24	74	84	3.43
ZZ117125		0.28	0.119	0.2	1.78	5	<10	70	<0.5	<2	1.09	<0.5	31	47	132	3.76
ZZ117126		0.20	0.035	<0.2	1.83	8	<10	60	<0.5	<2	1.08	<0.5	23	42	101	3.69
ZZ117127		0.24	0.046	0.3	2.29	40	<10	80	<0.5	<2	1.06	<0.5	31	75	129	4.81
ZZ117128		0.19	0.061	0.2	2.10	17	<10	40	<0.5	<2	0.61	<0.5	27	68	118	3.98
ZZ117129		0.22	0.094	0.5	2.21	24	<10	90	<0.5	<2	1.18	0.5	37	66	207	4.64
ZZ117130		0.23	0.178	0.5	2.45	6	<10	110	<0.5	<2	1.52	<0.5	30	71	170	4.44
ZZ117131		0.21	0.044	<0.2	1.98	8	<10	50	<0.5	<2	1.29	<0.5	24	34	79	3.72
ZZ117132		0.32	0.068	0.2	2.07	9	<10	70	<0.5	<2	0.91	<0.5	24	45	117	3.94
ZZ117133		0.25	0.046	<0.2	1.52	11	<10	90	<0.5	<2	0.70	<0.5	20	34	51	3.23
ZZ117134		0.21	0.067	0.2	1.89	7	<10	50	<0.5	<2	0.74	<0.5	21	34	84	3.57
ZZ117135		0.17	0.261	0.6	2.04	27	<10	80	<0.5	<2	0.97	<0.5	27	56	131	3.85
ZZ117136		0.30	0.053	0.2	1.70	10	<10	80	<0.5	<2	0.86	<0.5	25	38	115	4.32
ZZ117137		0.16	0.109	0.6	1.90	111	<10	100	<0.5	<2	1.62	<0.5	24	48	134	4.29
ZZ117138		0.12	0.015	<0.2	0.97	8	<10	80	<0.5	<2	0.73	<0.5	8	16	25	1.68
ZZ117139		0.37	0.161	0.5	2.16	15	<10	60	<0.5	<2	1.07	<0.5	32	53	101	4.96
ZZ117140		0.25	0.070	0.5	2.65	8	<10	210	<0.5	<2	1.45	<0.5	42	39	278	6.03
ZZ117141		0.25	0.320	0.2	1.57	9	<10	110	<0.5	<2	1.10	<0.5	24	33	116	3.99
ZZ117142		0.21	0.064	0.3	1.74	10	<10	80	<0.5	<2	0.91	<0.5	25	38	133	4.07
ZZ117143		0.25	0.870	0.2	1.44	23	<10	90	<0.5	<2	0.64	<0.5	23	30	98	4.09
ZZ117144		0.19	0.147	0.2	1.51	11	<10	100	<0.5	<2	0.75	<0.5	21	35	107	3.62
ZZ117145		0.27	0.344	0.4	1.23	13	<10	110	<0.5	<2	0.95	<0.5	22	24	115	3.59
ZZ117146		0.29	0.080	0.5	1.60	22	<10	160	<0.5	<2	2.00	0.7	47	36	335	5.09
ZZ117147		0.17	0.041	0.3	1.65	16	<10	90	<0.5	<2	0.97	<0.5	19	36	99	3.68
ZZ117148		0.25	0.937	0.4	1.42	101	<10	80	<0.5	2	0.84	1.2	28	35	134	4.68
ZZ117149		0.31	0.045	0.3	1.68	20	<10	60	<0.5	<2	0.76	<0.5	23	33	94	4.54
ZZ117150		0.20	0.026	0.2	1.07	12	<10	80	<0.5	2	1.67	<0.5	11	19	60	2.18
ZZ117151		0.20	0.033	0.2	1.54	21	<10	100	<0.5	<2	0.72	<0.5	18	32	67	4.12
ZZ117152		0.21	0.044	0.3	1.80	23	<10	70	<0.5	<2	0.49	<0.5	22	41	92	5.06
ZZ117153		0.30	0.051	0.3	2.07	21	<10	70	<0.5	<2	0.55	<0.5	24	41	110	4.82
ZZ117154		0.20	0.031	<0.2	1.78	13	<10	50	<0.5	<2	0.71	<0.5	21	33	83	4.47
ZZ117155		0.29	0.047	0.2	1.71	13	<10	70	<0.5	<2	1.15	<0.5	22	30	143	4.15
ZZ117156		0.30	0.028	<0.2	1.57	8	<10	70	<0.5	<2	0.78	<0.5	18	47	83	3.66
ZZ117157		0.21	0.039	<0.2	1.46	12	<10	70	<0.5	<2	1.11	<0.5	20	22	83	3.38
ZZ117158		0.25	0.031	<0.2	1.84	12	<10	60	<0.5	<2	0.93	<0.5	21	35	102	4.54
ZZ117159		0.21	0.025	<0.2	1.74	12	<10	50	<0.5	<2	0.95	<0.5	18	40	72	3.96
ZZ117161		0.18	0.011	<0.2	1.28	12	<10	80	<0.5	<2	0.76	<0.5	16	27	55	2.32
ZZ117162		0.16	0.032	0.2	1.91	16	10	60	<0.5	<2	0.97	<0.5	24	72	144	4.31



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ117122		10	1	0.05	<10	3.74	1225	6	0.01	178	650	37	0.10	<2	10	63
ZZ117123		10	<1	0.11	10	1.72	1645	22	0.01	64	860	20	0.23	<2	7	60
ZZ117124		<10	<1	0.16	<10	1.74	711	2	0.01	47	790	3	0.04	<2	4	41
ZZ117125		<10	<1	0.10	10	1.52	857	5	0.01	34	860	9	0.07	<2	4	45
ZZ117126		<10	<1	0.08	10	1.45	869	1	0.01	33	920	6	0.07	<2	4	50
ZZ117127		10	<1	0.06	10	1.75	1265	2	0.01	50	850	13	0.07	<2	8	46
ZZ117128		<10	1	0.06	<10	1.74	887	2	0.01	42	470	10	0.04	<2	4	29
ZZ117129		<10	1	0.07	10	1.93	1265	2	0.01	47	710	20	0.08	<2	5	39
ZZ117130		10	<1	0.08	<10	2.19	1030	2	0.01	41	940	8	0.08	<2	5	56
ZZ117131		<10	1	0.06	10	1.53	1170	1	0.01	26	1410	5	0.06	<2	3	41
ZZ117132		<10	1	0.06	10	1.43	1185	1	0.01	35	870	6	0.06	<2	5	38
ZZ117133		<10	1	0.05	10	0.96	657	1	0.02	30	880	6	0.05	<2	4	36
ZZ117134		<10	1	0.11	10	1.48	758	1	0.01	30	1090	2	0.03	<2	4	36
ZZ117135		<10	<1	0.06	10	1.44	987	1	0.02	42	840	10	0.06	<2	5	40
ZZ117136		<10	1	0.07	<10	1.36	871	2	0.01	31	1030	9	0.12	<2	4	38
ZZ117137		10	1	0.06	10	1.26	1145	2	0.01	36	870	19	0.10	<2	6	60
ZZ117138		<10	1	0.05	10	0.36	291	1	0.03	14	770	5	0.09	<2	1	31
ZZ117139		<10	1	0.08	10	1.81	932	1	<0.01	32	1010	15	0.04	<2	4	35
ZZ117140		10	<1	0.28	10	2.13	1120	2	0.01	35	810	20	0.08	<2	8	67
ZZ117141		<10	1	0.09	10	1.11	975	2	0.01	29	950	7	0.07	<2	6	73
ZZ117142		<10	1	0.12	10	1.34	825	4	0.01	32	880	11	0.06	<2	6	42
ZZ117143		<10	1	0.13	10	1.01	921	8	0.01	29	790	7	0.08	<2	5	39
ZZ117144		<10	<1	0.08	10	0.98	633	5	0.02	31	760	9	0.08	<2	5	43
ZZ117145		<10	<1	0.12	10	0.76	985	8	0.03	27	1010	14	0.13	2	4	43
ZZ117146		<10	<1	0.23	10	1.38	1470	18	0.03	42	850	23	0.29	<2	7	69
ZZ117147		<10	<1	0.07	10	1.02	774	2	0.02	28	740	10	0.07	2	6	44
ZZ117148		<10	<1	0.07	10	1.07	1110	14	0.01	32	760	21	0.15	<2	7	41
ZZ117149		<10	<1	0.07	10	1.19	973	2	0.01	27	1060	10	0.05	<2	9	47
ZZ117150		<10	<1	0.03	10	0.56	481	1	0.02	16	790	5	0.10	2	2	61
ZZ117151		<10	1	0.04	10	0.88	743	2	0.02	25	630	15	0.08	<2	6	34
ZZ117152		10	<1	0.06	10	1.22	897	3	0.01	37	930	17	0.08	<2	7	22
ZZ117153		10	<1	0.04	10	1.35	792	2	<0.01	34	920	16	0.04	2	6	21
ZZ117154		<10	<1	0.05	10	1.26	868	2	<0.01	22	1050	10	0.09	<2	5	25
ZZ117155		<10	<1	0.05	10	1.15	963	1	0.01	26	910	15	0.12	<2	5	39
ZZ117156		<10	<1	0.06	10	1.13	901	1	0.01	28	750	14	0.06	<2	6	29
ZZ117157		<10	<1	0.05	10	0.94	901	2	0.01	20	1050	11	0.11	<2	3	43
ZZ117158		10	<1	0.05	10	1.27	883	1	0.01	26	790	11	0.07	<2	6	38
ZZ117159		<10	<1	0.05	10	1.10	655	1	0.01	29	740	9	0.06	<2	6	26
ZZ117161		<10	<1	0.06	10	0.56	495	2	0.02	23	740	5	0.08	2	3	31
ZZ117162		<10	<1	0.07	10	1.59	684	2	0.01	50	910	11	0.06	<2	6	78



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units	ppm	%	ppm	ppm	ppm	ppm	
LOR		20	0.01	10	10	1	10	
ZZ117122		<20	0.08	<10	<10	108	<10	137
ZZ117123		<20	0.04	<10	<10	65	<10	128
ZZ117124		<20	0.07	<10	<10	66	<10	60
ZZ117125		<20	0.05	<10	<10	61	<10	68
ZZ117126		<20	0.05	<10	<10	59	<10	72
ZZ117127		<20	0.03	<10	<10	71	<10	96
ZZ117128		<20	0.05	<10	<10	54	<10	76
ZZ117129		<20	0.04	<10	<10	63	<10	107
ZZ117130		<20	0.03	<10	<10	61	<10	73
ZZ117131		<20	0.02	<10	<10	41	<10	72
ZZ117132		<20	0.04	<10	<10	64	<10	77
ZZ117133		<20	0.06	<10	<10	58	<10	82
ZZ117134		<20	0.06	<10	<10	55	<10	65
ZZ117135		<20	0.04	<10	<10	58	<10	74
ZZ117136		<20	0.04	<10	<10	50	<10	73
ZZ117137		<20	0.03	<10	<10	70	<10	106
ZZ117138		<20	0.03	<10	<10	31	<10	38
ZZ117139		<20	0.03	<10	<10	44	<10	97
ZZ117140		<20	0.07	<10	<10	101	<10	113
ZZ117141		<20	0.03	<10	<10	58	<10	63
ZZ117142		<20	0.05	<10	<10	63	<10	73
ZZ117143		<20	0.04	<10	<10	54	<10	64
ZZ117144		<20	0.03	<10	<10	56	<10	60
ZZ117145		<20	0.03	<10	<10	42	<10	75
ZZ117146		<20	0.04	<10	<10	69	<10	123
ZZ117147		<20	0.02	<10	<10	55	<10	77
ZZ117148		<20	0.02	<10	<10	52	<10	172
ZZ117149		<20	0.01	<10	<10	55	<10	89
ZZ117150		<20	0.02	<10	<10	33	<10	60
ZZ117151		<20	0.02	<10	<10	56	<10	116
ZZ117152		<20	0.02	<10	<10	55	<10	129
ZZ117153		<20	0.02	<10	<10	54	<10	95
ZZ117154		<20	0.01	<10	<10	45	<10	108
ZZ117155		<20	0.02	<10	<10	54	<10	98
ZZ117156		<20	0.01	<10	<10	45	<10	83
ZZ117157		<20	0.02	<10	<10	41	<10	81
ZZ117158		<20	0.01	<10	<10	61	<10	88
ZZ117159		<20	0.02	<10	<10	51	<10	75
ZZ117161		<20	0.05	<10	<10	45	<10	49
ZZ117162		<20	0.03	<10	<10	60	<10	114



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ117163		0.35	0.024	<0.2	2.00	9	<10	60	<0.5	<2	0.46	<0.5	22	55	92	4.51
ZZ117164		0.11	0.010	<0.2	1.25	8	<10	70	<0.5	<2	1.41	<0.5	11	30	57	2.62
ZZ117165		0.12	0.009	<0.2	1.65	13	<10	90	<0.5	<2	0.70	<0.5	18	53	45	3.29
ZZ117166		0.27	0.020	0.2	1.66	24	<10	50	<0.5	<2	1.14	<0.5	22	66	89	4.57
ZZ117167		0.27	0.055	<0.2	1.61	24	<10	90	<0.5	<2	0.69	<0.5	17	30	101	4.33
ZZ117168		0.15	0.028	<0.2	1.49	16	<10	110	<0.5	<2	0.92	<0.5	15	40	91	3.10
ZZ117169		0.32	0.032	0.2	1.62	21	<10	100	<0.5	<2	1.01	<0.5	16	40	75	3.67
ZZ117170		0.23	0.018	<0.2	1.55	13	<10	120	<0.5	2	0.58	<0.5	16	36	94	3.59
ZZ117171		0.33	0.026	<0.2	1.60	21	<10	110	<0.5	<2	0.83	<0.5	18	31	77	3.81
ZZ117172		0.16	0.014	<0.2	1.56	13	<10	140	<0.5	<2	1.07	<0.5	13	27	69	3.31
ZZ117173		0.18	0.015	<0.2	1.11	8	<10	90	<0.5	<2	1.59	<0.5	9	23	46	1.90
ZZ117174		0.31	0.026	0.3	1.64	30	<10	110	<0.5	<2	0.52	<0.5	21	42	119	4.55
ZZ117175		0.21	0.077	0.3	1.67	42	<10	70	<0.5	<2	0.54	0.5	19	41	84	4.49
ZZ117176		0.39	0.991	0.2	2.53	89	<10	50	<0.5	<2	1.69	<0.5	37	381	97	5.64
ZZ117177		0.30	0.016	<0.2	2.63	66	<10	40	<0.5	<2	0.56	<0.5	32	266	90	5.68
ZZ117178		0.28	0.010	<0.2	2.74	18	<10	120	<0.5	<2	0.70	<0.5	31	77	100	5.22
ZZ117179		0.24	0.007	<0.2	2.21	20	<10	130	<0.5	<2	0.43	<0.5	19	56	46	4.98
ZZ117180		0.23	0.005	<0.2	2.65	25	<10	130	<0.5	<2	0.46	<0.5	27	73	55	5.26
ZZ117181		0.16	0.008	<0.2	2.11	18	<10	110	<0.5	<2	0.44	<0.5	20	65	43	4.74
ZZ117182		0.12	0.039	<0.2	1.71	15	<10	80	<0.5	2	0.47	<0.5	14	36	58	2.53
ZZ117183		0.25	0.009	<0.2	2.53	22	<10	120	<0.5	<2	0.68	<0.5	29	84	72	4.87
ZZ117184		0.17	0.006	<0.2	2.46	22	<10	140	<0.5	<2	0.57	<0.5	26	73	52	4.87
ZZ117185		0.31	0.014	<0.2	3.69	18	<10	310	<0.5	<2	0.90	0.5	49	123	105	6.79
ZZ117186		0.34	0.015	<0.2	3.16	13	10	150	<0.5	<2	0.96	<0.5	54	104	169	6.04
ZZ117187		0.33	0.017	<0.2	3.50	14	<10	50	<0.5	<2	0.81	<0.5	47	174	229	5.95
ZZ117188		0.38	0.015	<0.2	3.52	23	10	40	<0.5	<2	1.13	<0.5	43	109	203	6.01
ZZ117189		0.28	0.015	<0.2	2.45	13	10	40	<0.5	<2	0.81	<0.5	31	86	92	4.35
ZZ117190		0.26	0.019	<0.2	2.85	9	10	110	<0.5	<2	0.92	<0.5	35	88	111	5.64
ZZ117191		0.34	0.015	0.2	3.52	8	10	70	<0.5	<2	0.98	<0.5	47	111	427	7.45
ZZ117192		0.39	0.013	<0.2	3.41	4	10	40	<0.5	<2	1.32	<0.5	53	111	365	6.80
ZZ117193		0.38	0.053	<0.2	3.31	18	10	160	<0.5	<2	1.00	<0.5	49	122	302	6.80
ZZ117194		0.37	0.032	0.2	2.86	11	10	110	<0.5	<2	1.05	<0.5	46	111	506	5.98
ZZ117195		0.32	0.022	<0.2	3.97	31	10	130	<0.5	<2	0.61	<0.5	60	156	251	8.65
ZZ117196		0.17	0.013	<0.2	3.15	29	10	60	<0.5	<2	0.77	<0.5	38	107	162	5.54
ZZ117197		0.34	0.025	<0.2	3.63	18	10	60	<0.5	<2	0.80	<0.5	41	118	114	5.90
ZZ117198		0.38	0.018	<0.2	3.35	10	40	140	<0.5	<2	0.86	<0.5	38	96	76	5.83
ZZ117199		0.26	0.014	<0.2	3.52	9	10	110	<0.5	<2	0.85	<0.5	38	128	109	6.01
ZZ117200		0.30	0.311	<0.2	3.32	17	10	110	<0.5	<2	1.02	<0.5	36	105	166	6.19



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		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ117163		10	<1	0.05	10	1.40	1085	1	0.01	34	650	10	0.02	<2	7	22
ZZ117164		<10	<1	0.06	10	0.62	549	1	0.02	22	830	5	0.09	2	2	45
ZZ117165		10	<1	0.05	10	0.97	583	2	0.02	33	830	6	0.07	2	3	34
ZZ117166		<10	<1	0.06	10	1.33	561	2	0.01	47	950	10	0.09	<2	6	59
ZZ117167		<10	1	0.03	10	0.90	765	2	0.01	29	640	8	0.06	<2	6	26
ZZ117168		<10	<1	0.05	10	0.76	704	1	0.02	32	860	8	0.07	<2	4	35
ZZ117169		<10	<1	0.04	10	0.83	637	2	0.01	34	870	12	0.07	<2	4	36
ZZ117170		<10	<1	0.05	10	0.85	894	1	0.01	29	1020	9	0.05	<2	5	28
ZZ117171		<10	<1	0.04	10	0.85	777	2	0.01	31	880	12	0.08	<2	5	35
ZZ117172		<10	<1	0.04	10	0.71	662	1	0.02	25	1060	8	0.10	<2	4	43
ZZ117173		<10	<1	0.03	10	0.46	371	1	0.03	21	950	5	0.12	<2	1	66
ZZ117174		<10	<1	0.04	10	0.96	1215	3	0.01	61	740	20	0.08	2	5	21
ZZ117175		<10	<1	0.02	10	0.92	559	2	0.01	49	830	28	0.10	2	4	22
ZZ117176		10	<1	0.04	10	3.15	754	2	0.01	196	1010	9	0.11	<2	10	47
ZZ117177		10	<1	0.04	10	2.55	892	2	0.01	141	920	10	0.08	<2	10	22
ZZ117178		10	<1	0.06	10	2.39	836	2	0.02	84	950	11	0.05	<2	9	35
ZZ117179		10	<1	0.05	10	1.15	641	4	0.01	50	580	11	0.06	2	4	29
ZZ117180		10	<1	0.05	10	1.55	904	3	0.01	60	550	7	0.05	2	5	28
ZZ117181		10	1	0.04	10	1.23	721	3	0.01	51	600	8	0.06	3	4	26
ZZ117182		10	<1	0.04	10	0.79	471	2	0.02	31	700	6	0.07	<2	3	25
ZZ117183		10	<1	0.05	10	1.71	958	2	0.02	68	780	8	0.08	<2	5	32
ZZ117184		10	<1	0.05	10	1.47	908	3	0.01	57	820	8	0.07	<2	4	31
ZZ117185		10	<1	0.07	<10	3.67	1180	1	0.01	78	580	4	0.03	<2	16	24
ZZ117186		10	<1	0.04	<10	3.27	1185	1	0.01	74	580	2	0.03	<2	12	29
ZZ117187		10	1	0.05	10	3.58	1155	1	0.02	142	580	6	0.05	<2	9	22
ZZ117188		10	1	0.05	10	3.52	1120	1	0.02	115	540	4	0.06	<2	10	23
ZZ117189		10	1	0.05	<10	2.36	824	<1	<0.01	65	450	3	0.03	<2	9	33
ZZ117190		10	<1	0.04	<10	2.46	1260	1	0.01	62	680	4	0.08	<2	8	28
ZZ117191		10	<1	0.04	<10	3.30	1270	1	0.01	73	570	3	0.05	<2	10	23
ZZ117192		10	1	0.04	<10	3.14	1290	1	<0.01	78	440	<2	0.09	<2	10	25
ZZ117193		10	<1	0.04	<10	3.03	1330	1	0.01	87	550	3	0.07	<2	12	19
ZZ117194		10	1	0.05	10	2.56	1850	2	0.02	86	680	5	0.10	<2	10	27
ZZ117195		10	1	0.05	<10	3.50	1665	1	0.01	107	680	2	0.06	<2	21	16
ZZ117196		10	1	0.05	10	3.01	844	1	0.02	101	630	6	0.03	<2	10	28
ZZ117197		10	<1	0.05	<10	3.93	1155	1	0.01	110	510	2	0.02	<2	13	23
ZZ117198		10	<1	0.05	<10	3.60	1020	1	0.01	84	620	<2	0.03	<2	12	23
ZZ117199		10	1	0.06	<10	4.01	1070	1	0.01	100	650	<2	0.03	<2	13	26
ZZ117200		10	1	0.06	<10	3.23	1000	<1	0.01	76	540	<2	0.01	<2	12	24



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	Method Analyte Units LOR	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
ZZ117163		<20	0.03	<10	<10	60	<10	84
ZZ117164		<20	0.05	<10	<10	48	<10	71
ZZ117165		<20	0.06	<10	<10	68	<10	75
ZZ117166		<20	0.02	<10	<10	52	<10	101
ZZ117167		<20	0.02	<10	<10	50	<10	80
ZZ117168		<20	0.04	<10	<10	50	<10	78
ZZ117169		<20	0.03	<10	<10	49	<10	89
ZZ117170		<20	0.02	<10	<10	46	<10	80
ZZ117171		<20	0.02	<10	<10	48	<10	83
ZZ117172		<20	0.03	<10	<10	44	<10	72
ZZ117173		<20	0.04	<10	<10	35	<10	57
ZZ117174		<20	0.01	<10	<10	40	<10	144
ZZ117175		<20	0.02	<10	<10	40	<10	218
ZZ117176		<20	0.07	<10	<10	115	<10	107
ZZ117177		<20	0.02	<10	<10	102	<10	106
ZZ117178		<20	0.10	<10	<10	95	<10	113
ZZ117179		<20	0.10	<10	<10	103	<10	102
ZZ117180		<20	0.09	<10	<10	112	<10	106
ZZ117181		<20	0.09	<10	<10	101	<10	107
ZZ117182		<20	0.06	<10	<10	50	<10	67
ZZ117183		<20	0.08	<10	<10	99	<10	88
ZZ117184		<20	0.08	<10	<10	105	<10	95
ZZ117185		<20	0.17	<10	<10	177	<10	93
ZZ117186		<20	0.20	<10	<10	153	<10	73
ZZ117187		<20	0.11	<10	<10	117	<10	82
ZZ117188		<20	0.12	<10	<10	121	<10	81
ZZ117189		<20	0.16	<10	<10	120	<10	62
ZZ117190		<20	0.13	<10	<10	133	<10	65
ZZ117191		<20	0.48	<10	<10	201	<10	105
ZZ117192		<20	0.53	<10	<10	187	<10	98
ZZ117193		<20	0.34	<10	<10	163	<10	86
ZZ117194		<20	0.23	<10	<10	122	<10	90
ZZ117195		<20	0.18	<10	<10	204	<10	100
ZZ117196		<20	0.10	<10	<10	105	<10	86
ZZ117197		<20	0.15	<10	<10	131	<10	74
ZZ117198		<20	0.17	<10	<10	150	<10	73
ZZ117199		<20	0.20	<10	<10	155	<10	76
ZZ117200		<20	0.38	<10	<10	164	<10	95



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CERTIFICATE COMMENTS	
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. Applies to Method: LOG- 22 SCR- 41 WEI- 21</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Applies to Method: Au- AA24 ME- ICP41</p>



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CERTIFICATE WH17174156

Project: Vault

This report is for 75 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	JOAN MARIACHER	JACK MORTON
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	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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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
K293127		2.13		0.2	1.74	58	10	40	<0.5	<2	5.33	<0.5	28	48	661	7.31
K293128		1.22	2.94	0.7	1.14	329	10	60	<0.5	<2	5.22	<0.5	41	4	293	10.80
K293129		1.09	0.008	0.2	2.53	5	10	20	<0.5	<2	2.49	<0.5	26	30	1340	6.01
K293130		0.98		<0.2	1.35	160	10	30	<0.5	<2	8.0	<0.5	24	27	39	4.70
K293131		1.07	<0.005	<0.2	2.21	18	20	70	<0.5	<2	11.3	2.2	142	15	225	4.23
K293132		1.00	1.375	<0.2	0.48	971	<10	20	<0.5	<2	2.44	<0.5	8	18	10	1.95
K293133		0.67	0.024	<0.2	0.21	6	<10	10	<0.5	<2	1.93	<0.5	3	23	28	0.86
K293134		0.90	0.009	<0.2	0.03	3	<10	10	<0.5	<2	18.8	0.5	<1	2	4	0.96
K293135		1.00	0.008	<0.2	0.05	<2	<10	20	<0.5	<2	11.3	4.9	1	8	4	0.67
K293136		1.05	<0.005	<0.2	0.07	2	<10	20	<0.5	<2	>25.0	<0.5	1	4	1	0.62
K293137		1.11	<0.005	<0.2	0.51	39	5430	10	<0.5	<2	22.9	<0.5	4	3	10	0.61
K293138		0.67	2.29	0.6	0.21	<2	60	30	<0.5	3	3.81	<0.5	6	14	226	2.06
K293139		0.99	<0.005	<0.2	0.91	<2	30	1940	<0.5	<2	7.7	<0.5	2	8	14	1.07
K293140		1.24	0.013	3.7	1.53	<2	20	50	<0.5	<2	7.4	1.2	22	106	>10000	7.32
K293141		1.23	0.027	<0.2	0.75	6	10	70	<0.5	<2	4.06	<0.5	17	8	85	4.23
K293142		1.18	0.006	<0.2	1.71	7	10	50	<0.5	<2	2.37	<0.5	17	25	491	4.90
K293143		1.42		<0.2	0.05	<2	<10	90	<0.5	<2	16.0	<0.5	2	10	8	1.05
K293144		0.74		<0.2	2.90	6	10	40	<0.5	<2	8.3	<0.5	30	244	67	5.01
K293145		1.23		<0.2	2.22	20	10	90	<0.5	<2	5.38	<0.5	29	192	78	4.82
K293146		1.26	0.008	<0.2	2.78	2	10	50	<0.5	2	2.72	<0.5	26	54	190	6.12
K293147		0.81		<0.2	0.64	6	<10	190	<0.5	<2	8.8	<0.5	5	29	55	1.49
K293148		1.30		<0.2	1.18	<2	<10	140	<0.5	<2	21.5	<0.5	9	59	30	2.01
K293149		1.49	<0.005	<0.2	0.19	2	10	150	<0.5	<2	21.3	<0.5	1	1	32	16.15
K293150		1.27	<0.005	1.2	1.19	<2	10	10	<0.5	<2	17.6	<0.5	14	24	3830	5.44
S052451		1.29	0.012	0.3	0.13	3	<10	60	<0.5	2	15.8	0.9	10	4	29	6.36
S052452		0.98	0.352	0.2	0.58	<2	20	60	<0.5	<2	16.4	<0.5	18	14	104	2.79
S052453		0.95	0.336	4.9	0.07	6	<10	280	<0.5	2	5.14	<0.5	1	9	2690	0.67
S052454		0.80		0.2	2.19	4	<10	10	<0.5	<2	0.80	<0.5	19	136	70	4.27
S052455		1.19	0.008	0.2	0.04	11	<10	20	<0.5	2	>25.0	1.0	6	2	13	0.79
S052456		1.35		0.2	0.16	2	<10	1020	<0.5	<2	24.0	<0.5	3	4	20	1.04
S052457		1.03		0.2	0.79	14	<10	60	<0.5	<2	5.33	<0.5	16	26	56	4.75
S052458		1.28	0.015	<0.2	2.88	5	<10	130	<0.5	<2	8.2	<0.5	40	70	115	8.06
S052459		0.97	<0.005	0.3	0.14	<2	<10	10	<0.5	<2	2.78	<0.5	<1	12	565	0.54
S052460		0.99	0.008	5.3	1.46	<2	10	10	<0.5	2	2.37	<0.5	6	23	>10000	2.92
S052461		1.89	0.017	15.9	1.03	3	10	<10	<0.5	<2	1.76	<0.5	6	31	>10000	5.53
S052462		3.31	0.019	<0.2	2.87	12	<10	30	<0.5	<2	2.52	<0.5	34	128	308	5.97
S052463		3.38	0.008	0.3	2.82	8	<10	80	<0.5	<2	2.59	<0.5	32	121	1975	5.66
S052464		3.33	0.018	<0.2	2.50	13	<10	40	<0.5	<2	2.63	<0.5	28	88	84	5.26
S052465		3.30	0.010	<0.2	2.73	11	<10	30	<0.5	<2	2.63	<0.5	31	102	258	5.51
S052466		3.43	0.008	<0.2	2.83	10	10	90	<0.5	<2	2.25	<0.5	30	104	55	5.17



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
K293127		10	<1	0.33	<10	2.39	1195	<1	0.04	43	930	<2	1.12	<2	19	126
K293128		<10	<1	0.36	<10	1.48	892	1	0.03	38	1150	3	6.19	<2	20	117
K293129		10	1	0.10	10	1.55	464	<1	0.04	33	840	<2	0.01	<2	8	36
K293130		<10	<1	0.18	<10	1.76	1140	<1	0.03	45	180	<2	0.50	<2	18	163
K293131		10	3	0.26	<10	0.38	333	1	0.01	82	160	4	2.99	<2	2	31
K293132		<10	<1	0.06	<10	0.49	310	<1	0.03	11	20	<2	0.30	<2	6	85
K293133		<10	<1	0.01	<10	0.18	155	<1	0.01	5	30	<2	0.22	<2	1	21
K293134		<10	<1	0.01	<10	10.50	772	1	0.01	1	160	14	0.15	<2	<1	217
K293135		<10	<1	0.01	<10	6.54	451	<1	<0.01	1	350	11	0.04	<2	<1	178
K293136		<10	<1	0.01	<10	1.32	1650	<1	<0.01	4	110	5	0.23	<2	1	691
K293137		<10	1	0.03	<10	0.61	616	<1	<0.01	10	600	2	<0.01	<2	1	216
K293138		<10	<1	0.13	<10	1.07	783	<1	0.01	7	560	<2	<0.01	<2	7	73
K293139		<10	<1	0.01	<10	0.08	306	<1	<0.01	<1	370	<2	0.09	<2	2	486
K293140		<10	<1	0.34	<10	1.04	506	<1	0.04	35	970	<2	0.08	<2	13	73
K293141		<10	<1	0.17	<10	1.20	579	<1	0.02	7	490	<2	0.04	<2	9	115
K293142		10	<1	0.12	<10	0.17	283	<1	<0.01	27	820	<2	<0.01	2	13	245
K293143		<10	1	0.02	<10	7.42	656	<1	0.01	8	180	<2	0.13	<2	2	138
K293144		10	<1	0.11	<10	3.09	874	<1	0.03	92	260	5	0.23	<2	18	175
K293145		10	<1	0.15	<10	3.39	891	<1	0.04	81	260	3	0.03	<2	26	85
K293146		10	<1	0.04	10	1.94	615	<1	0.07	37	980	<2	<0.01	<2	10	23
K293147		<10	<1	0.04	<10	0.59	766	<1	<0.01	11	270	2	0.09	<2	8	532
K293148		<10	1	0.09	<10	1.16	1385	1	0.01	33	290	<2	<0.01	<2	5	978
K293149		<10	1	<0.01	<10	0.19	3230	2	<0.01	2	900	3	0.01	<2	1	104
K293150		<10	1	0.20	<10	0.94	494	<1	0.02	28	310	<2	<0.01	<2	6	132
S052451		<10	<1	0.05	<10	4.68	1335	<1	0.02	27	1280	27	1.18	<2	4	953
S052452		<10	<1	0.06	<10	1.72	1220	<1	0.02	34	250	4	0.15	<2	6	951
S052453		<10	<1	0.03	<10	0.11	365	<1	0.01	2	40	<2	0.11	2	1	116
S052454		<10	<1	0.01	<10	2.26	382	1	0.03	88	200	<2	0.55	<2	5	20
S052455		<10	<1	0.01	10	1.08	414	<1	0.02	11	100	9	0.18	<2	1	241
S052456		<10	<1	0.01	10	3.50	1480	<1	0.02	6	170	4	0.32	3	3	425
S052457		<10	<1	0.16	<10	2.51	1240	<1	0.04	37	300	5	0.69	<2	5	178
S052458		10	<1	0.12	<10	2.04	968	1	0.03	66	500	2	3.31	<2	9	69
S052459		<10	<1	0.03	<10	0.09	201	<1	0.02	2	20	<2	0.03	<2	1	82
S052460		<10	<1	<0.01	<10	0.27	218	1	0.02	13	250	<2	0.62	<2	3	894
S052461		<10	<1	<0.01	<10	0.30	163	<1	0.02	12	210	<2	2.19	<2	3	339
S052462		10	<1	0.08	<10	3.07	836	<1	0.06	67	650	<2	0.01	<2	18	55
S052463		10	<1	0.04	<10	3.02	783	<1	0.05	60	650	<2	0.03	<2	17	63
S052464		10	<1	0.12	<10	2.48	754	<1	0.06	54	630	<2	0.02	2	16	58
S052465		10	<1	0.12	<10	2.84	788	<1	0.05	60	640	<2	0.01	<2	15	47
S052466		10	<1	0.08	<10	2.80	761	<1	0.06	59	610	<2	0.02	2	13	57



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Cu- OG46
		Th	Ti	Tl	U	V	W	Zn	Cu
		ppm	%	ppm	ppm	ppm	ppm	ppm	%
		20	0.01	10	10	1	10	2	0.001
K293127		<20	0.01	<10	<10	98	<10	95	
K293128		<20	<0.01	<10	<10	85	<10	68	
K293129		<20	0.36	<10	<10	180	<10	68	
K293130		<20	<0.01	<10	<10	52	<10	57	
K293131		<20	0.04	<10	<10	70	<10	19	
K293132		<20	<0.01	<10	<10	35	<10	33	
K293133		<20	0.02	<10	<10	10	<10	8	
K293134		<20	<0.01	<10	<10	5	<10	52	
K293135		<20	<0.01	<10	<10	3	<10	290	
K293136		<20	<0.01	<10	<10	4	<10	23	
K293137		<20	0.03	<10	<10	10	30	35	
K293138		<20	<0.01	<10	<10	12	<10	14	
K293139		<20	0.19	<10	<10	49	<10	3	
K293140		<20	0.52	<10	<10	172	<10	38	1.360
K293141		<20	0.01	<10	<10	55	<10	29	
K293142		<20	0.33	<10	<10	112	<10	19	
K293143		<20	<0.01	<10	<10	11	<10	28	
K293144		<20	0.15	<10	<10	148	<10	67	
K293145		<20	0.02	<10	<10	122	<10	45	
K293146		<20	0.65	<10	<10	208	<10	82	
K293147		<20	<0.01	<10	<10	47	<10	25	
K293148		<20	0.01	<10	<10	38	<10	24	
K293149		<20	<0.01	<10	<10	60	<10	13	
K293150		<20	0.35	<10	<10	106	<10	36	
S052451		<20	<0.01	<10	<10	112	<10	62	
S052452		<20	<0.01	<10	<10	22	<10	31	
S052453		<20	<0.01	<10	<10	5	<10	3	
S052454		<20	0.23	<10	<10	99	<10	34	
S052455		<20	<0.01	<10	<10	2	<10	49	
S052456		<20	<0.01	<10	<10	14	<10	28	
S052457		<20	<0.01	<10	<10	20	<10	65	
S052458		<20	0.12	<10	<10	107	<10	57	
S052459		<20	<0.01	<10	<10	10	<10	3	
S052460		<20	0.28	<10	<10	96	<10	11	3.98
S052461		<20	0.20	<10	<10	106	<10	12	15.65
S052462		<20	0.17	<10	<10	172	<10	70	
S052463		<20	0.18	<10	<10	164	<10	62	
S052464		<20	0.18	<10	<10	151	<10	60	
S052465		<20	0.18	<10	<10	156	<10	77	
S052466		<20	0.24	<10	<10	158	<10	60	



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S052467		3.56	0.046	<0.2	2.85	63	<10	30	<0.5	<2	2.97	<0.5	31	106	105	5.50
S052468		3.36	0.027	<0.2	2.56	6	<10	20	<0.5	2	2.36	<0.5	30	106	71	5.16
S052469		3.45	0.007	<0.2	2.86	12	<10	30	<0.5	<2	3.59	<0.5	31	126	81	5.69
S052470		3.30	0.022	<0.2	2.71	12	<10	30	<0.5	<2	2.60	<0.5	29	106	55	5.09
S052471		3.59	0.009	<0.2	2.50	11	<10	20	<0.5	<2	2.15	<0.5	28	110	76	4.52
S052472		3.79	0.014	<0.2	2.49	19	<10	30	<0.5	<2	3.05	<0.5	28	97	59	5.18
S052473		3.90	0.080	<0.2	2.01	4	<10	30	<0.5	<2	2.84	<0.5	26	67	94	4.54
S052474		4.61	0.010	<0.2	2.16	5	<10	30	<0.5	<2	2.60	<0.5	24	84	53	4.11
S052475		3.71	0.017	<0.2	2.47	6	<10	590	<0.5	<2	3.54	<0.5	30	120	71	5.17
S052476		4.07	0.024	<0.2	2.66	7	<10	40	<0.5	<2	2.99	<0.5	28	92	55	5.42
S052477		3.72	0.006	<0.2	2.64	7	<10	30	<0.5	<2	2.44	<0.5	30	107	54	4.95
S052478		3.81	0.008	<0.2	2.51	11	<10	30	<0.5	<2	1.81	<0.5	27	74	46	5.02
S052479		1.08		1.1	0.44	27	10	90	<0.5	<2	1.03	<0.5	19	21	617	0.68
S052480		1.03		1.0	0.34	66	<10	70	<0.5	<2	2.93	0.5	42	15	66	2.19
S052481		1.23		1.6	2.25	6	10	10	<0.5	<2	1.58	<0.5	20	78	7570	4.34
S052482		1.14	0.006	3.0	3.03	<2	20	20	<0.5	<2	6.36	<0.5	27	42	5130	5.39
S052483		3.60	0.019	0.2	1.48	22	<10	60	<0.5	<2	3.31	<0.5	15	18	109	4.25
S052484		3.68	0.030	0.3	1.75	13	<10	70	<0.5	<2	4.72	<0.5	14	47	160	4.14
S052485		3.62	0.049	0.3	1.71	25	<10	90	<0.5	<2	3.56	<0.5	18	83	65	4.32
S052486		2.88	0.027	0.2	1.54	17	<10	100	<0.5	<2	3.05	<0.5	14	54	56	3.91
S052487		3.23	0.028	0.2	1.47	12	<10	90	<0.5	<2	10.1	<0.5	14	60	49	3.36
S052488		2.80	0.014	0.2	1.92	16	<10	50	<0.5	<2	4.94	<0.5	17	105	60	4.34
S052489		3.29	0.005	0.2	1.72	20	<10	310	<0.5	<2	4.41	<0.5	15	35	52	4.44
S052490		3.11	0.076	0.3	0.99	27	<10	90	<0.5	<2	3.38	<0.5	14	14	73	4.40
S052491		3.30	0.047	0.3	0.73	63	<10	140	<0.5	<2	6.01	<0.5	20	45	60	4.84
S052492		3.69	0.137	0.4	0.58	43	<10	60	<0.5	<2	4.23	<0.5	18	27	75	4.73
S052493		3.66	0.035	0.2	1.28	24	<10	90	<0.5	<2	6.40	<0.5	23	73	66	4.61
S052494		3.02	0.039	0.2	1.90	14	<10	70	<0.5	<2	6.62	<0.5	27	84	83	5.16
S052495		2.99	0.021	<0.2	1.97	23	<10	140	<0.5	<2	4.66	<0.5	26	67	100	5.43
S052496		3.53	0.021	0.2	2.48	24	<10	40	<0.5	<2	3.80	<0.5	29	101	105	6.10
S052497		3.17	0.037	0.2	1.25	16	<10	60	<0.5	2	3.25	<0.5	10	16	34	2.87
S052498		3.89	0.011	0.2	1.41	8	<10	80	<0.5	<2	4.05	<0.5	7	13	31	2.67
S052499		3.44	0.017	0.3	1.97	14	<10	70	<0.5	<2	1.80	<0.5	12	21	44	4.03
S052500		3.55	0.019	0.2	2.04	17	<10	40	<0.5	<2	1.90	<0.5	14	22	56	4.60
S052401		4.76	0.016	0.2	2.14	15	<10	90	<0.5	<2	4.42	<0.5	17	56	59	4.47



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S052467		10	<1	0.07	<10	2.78	775	<1	0.05	60	570	<2	0.27	<2	15	45
S052468		10	<1	0.07	<10	2.69	697	<1	0.06	57	680	<2	0.01	<2	13	55
S052469		10	1	0.12	<10	2.90	774	<1	0.05	62	620	<2	0.02	<2	17	67
S052470		10	<1	0.11	<10	2.62	675	<1	0.05	59	730	<2	0.01	<2	12	86
S052471		10	<1	0.11	<10	2.49	622	<1	0.05	54	670	<2	0.01	<2	11	51
S052472		10	<1	0.11	<10	2.66	728	<1	0.05	53	630	<2	0.02	2	13	63
S052473		10	<1	0.14	<10	2.39	705	<1	0.05	48	580	<2	0.02	<2	12	73
S052474		10	<1	0.06	<10	2.18	579	<1	0.05	43	550	<2	0.01	<2	11	52
S052475		10	<1	0.10	<10	2.86	749	<1	0.05	58	580	<2	0.03	<2	17	103
S052476		10	<1	0.11	<10	2.85	758	<1	0.05	55	580	<2	0.01	<2	16	56
S052477		10	<1	0.08	<10	2.76	696	<1	0.05	56	600	<2	0.01	<2	14	50
S052478		10	<1	0.11	<10	2.61	682	<1	0.05	49	620	<2	<0.01	<2	11	45
S052479		<10	<1	0.40	<10	0.08	101	<1	0.02	29	300	5	0.24	<2	3	11
S052480		<10	<1	0.30	<10	0.09	244	2	0.02	73	220	20	1.77	2	4	23
S052481		10	<1	0.01	<10	1.40	343	<1	0.06	50	300	<2	0.21	<2	12	9
S052482		10	<1	0.02	<10	1.66	644	<1	0.05	56	410	<2	0.23	<2	13	38
S052483		<10	<1	0.18	10	1.21	887	1	0.04	31	730	9	0.18	<2	4	118
S052484		<10	<1	0.16	10	1.84	571	1	0.04	44	600	8	0.09	<2	4	105
S052485		<10	1	0.18	10	1.71	770	1	0.04	59	620	8	0.16	<2	5	99
S052486		<10	1	0.16	10	1.47	674	1	0.04	43	600	7	0.25	<2	5	105
S052487		<10	<1	0.14	<10	2.29	686	1	0.03	42	520	6	0.10	<2	5	131
S052488		<10	<1	0.14	<10	2.28	627	1	0.04	66	570	4	0.10	<2	7	125
S052489		<10	<1	0.18	10	1.49	1130	1	0.05	36	890	6	0.24	<2	6	179
S052490		<10	<1	0.24	10	1.29	1250	1	0.06	32	860	13	0.34	<2	5	126
S052491		<10	<1	0.17	<10	2.38	1660	1	0.07	66	460	6	0.38	3	10	219
S052492		<10	<1	0.19	<10	1.65	997	2	0.06	37	840	4	0.67	<2	8	151
S052493		<10	<1	0.17	<10	2.45	1110	1	0.06	57	490	4	0.24	<2	11	183
S052494		10	<1	0.15	<10	2.28	1060	1	0.07	60	680	4	0.32	<2	14	115
S052495		10	<1	0.13	10	2.13	1175	1	0.08	53	870	3	0.39	<2	13	164
S052496		10	<1	0.11	<10	2.82	1115	<1	0.07	72	590	2	0.21	<2	17	112
S052497		<10	<1	0.16	10	0.80	446	1	0.03	27	510	8	0.19	<2	3	141
S052498		<10	<1	0.20	10	0.89	576	1	0.04	18	500	13	0.20	<2	2	120
S052499		<10	<1	0.23	10	1.15	365	1	0.04	34	640	13	0.16	2	3	65
S052500		<10	<1	0.21	10	1.24	375	1	0.04	38	680	11	0.22	<2	3	74
S052401		10	<1	0.18	10	2.22	628	1	0.04	42	600	5	0.16	<2	7	109



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Cu- OG46
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
		20	0.01	10	10	1	10	2	0.001
S052467		<20	0.17	<10	<10	149	<10	74	
S052468		<20	0.25	<10	<10	148	<10	63	
S052469		<20	0.16	<10	<10	166	<10	55	
S052470		<20	0.25	<10	<10	150	<10	59	
S052471		<20	0.27	<10	<10	142	<10	59	
S052472		<20	0.23	<10	<10	139	<10	52	
S052473		<20	0.20	<10	<10	112	<10	51	
S052474		<20	0.19	<10	<10	119	<10	41	
S052475		<20	0.14	<10	<10	138	<10	51	
S052476		<20	0.14	<10	<10	148	<10	55	
S052477		<20	0.19	<10	<10	140	<10	52	
S052478		<20	0.22	<10	<10	147	<10	53	
S052479		<20	0.21	<10	<10	22	<10	8	
S052480		<20	0.15	<10	<10	21	<10	8	
S052481		<20	0.33	<10	<10	175	<10	39	
S052482		<20	0.40	<10	<10	151	<10	58	
S052483		<20	<0.01	<10	<10	27	<10	99	
S052484		<20	0.02	<10	<10	38	<10	106	
S052485		<20	0.02	<10	<10	43	<10	101	
S052486		<20	<0.01	<10	<10	35	<10	95	
S052487		<20	0.01	<10	<10	37	<10	79	
S052488		<20	0.01	<10	<10	50	<10	95	
S052489		<20	0.01	<10	<10	45	<10	92	
S052490		<20	0.03	<10	<10	27	<10	93	
S052491		<20	<0.01	<10	<10	22	<10	71	
S052492		<20	<0.01	<10	<10	16	<10	70	
S052493		<20	<0.01	<10	<10	54	<10	85	
S052494		<20	<0.01	<10	<10	94	<10	69	
S052495		<20	<0.01	<10	<10	92	<10	71	
S052496		<20	0.01	<10	<10	116	<10	79	
S052497		<20	<0.01	<10	<10	21	<10	89	
S052498		<20	<0.01	<10	<10	19	<10	77	
S052499		<20	<0.01	<10	<10	30	<10	121	
S052500		<20	<0.01	<10	<10	33	<10	127	
S052401		<20	0.06	<10	<10	66	<10	97	



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Applies to Method: Au- AA24 Cu- OG46 ME- ICP41 ME- OG46



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Project: Vault

This report is for 13 Rock samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	JOAN MARIACHER	JACK MORTON
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
SCR- 21	Screen 1kg to 106 to 106um
FND- 03	Find Reject for Addn Analysis
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- SCR24	Au Screen FA Double Minus 50g	WST- SIM
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
Au- AA26D	Ore Grade Au 50g FA AA Dup	AAS

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



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 North Vancouver BC V7H 0A7
 Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: STRATEGIC METALS LTD.
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 Plus Appendix Pages
 Finalized Date: 22- SEP- 2017
 Account: MTT

Project: Vault

CERTIFICATE OF ANALYSIS WH17191285

Sample Description	Method Analyte Units LOR	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- SCR24	Au- AA26	Au- AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
		0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
K293127		0.27	0.05	0.28	0.003	58.12	923.4	0.23	0.33
K293130		0.32	0.29	0.33	0.008	27.21	663.5	0.33	0.32
K293143		<0.05	<0.05	<0.05	<0.001	39.81	953.2	<0.01	<0.01
K293144		<0.05	<0.05	<0.05	<0.001	54.02	407.4	<0.01	<0.01
K293145		<0.05	<0.05	<0.05	<0.001	59.99	897.9	<0.01	<0.01
K293147		<0.05	<0.05	<0.05	<0.001	29.19	503.8	0.01	<0.01
K293148		<0.05	0.05	<0.05	0.002	41.26	975.1	<0.01	<0.01
S052454		<0.05	<0.05	<0.05	<0.001	35.61	474.3	0.01	<0.01
S052456		<0.05	<0.05	<0.05	<0.001	56.53	927.0	0.01	0.01
S052457		0.05	<0.05	0.06	<0.001	8.49	749.4	0.05	0.06
S052479		<0.05	<0.05	<0.05	<0.001	10.90	790.4	<0.01	0.02
S052480		<0.05	<0.05	<0.05	<0.001	16.42	742.3	0.02	0.03
S052481		<0.05	<0.05	<0.05	<0.001	20.40	907.0	<0.01	<0.01



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CERTIFICATE OF ANALYSIS WH17191285

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
FND- 03 SPL- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- AA26 Au- AA26D Au- SCR24 PUL- 32
SCR- 21



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Finalized Date: 22- SEP- 2017
Account: MTT

CERTIFICATE WH17192496

Project: Vault

This report is for 153 Soil samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2017.

The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **STRATEGIC METALS LTD.**
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***** See Appendix Page for comments regarding this certificate *****

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH17192496

Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %	ME- ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122501	0.50	<0.2	3.16	6	110	130	<0.5	<2	1.22	<0.5	45	89	128	5.99	10
ZZ122502	0.34	<0.2	2.39	9	120	140	<0.5	2	1.00	<0.5	30	63	104	4.76	10
ZZ122503	0.34	<0.2	3.32	14	230	170	<0.5	<2	1.28	0.5	65	89	222	7.07	10
ZZ122504	0.18	<0.2	1.70	11	10	130	<0.5	<2	1.03	<0.5	17	38	132	3.31	10
ZZ122505	0.28	0.2	1.94	63	10	100	<0.5	<2	1.27	0.6	40	49	274	5.37	10
ZZ122506	0.43	<0.2	3.94	16	10	100	<0.5	4	0.91	0.7	116	121	448	11.10	20
ZZ122507	0.31	<0.2	4.90	123	10	70	<0.5	3	1.56	<0.5	86	149	334	10.35	20
ZZ122508	0.31	0.3	3.70	434	10	100	0.5	<2	1.94	0.5	65	121	276	8.85	10
ZZ122509	0.22	<0.2	2.76	33	20	180	<0.5	2	1.38	0.6	40	57	295	5.47	10
ZZ122510	0.37	<0.2	3.71	35	30	120	<0.5	<2	1.63	0.5	53	71	452	8.18	10
ZZ122511	0.30	<0.2	3.27	33	20	60	<0.5	<2	1.54	0.6	53	83	413	7.83	10
ZZ122512	0.24	<0.2	2.67	8	100	320	<0.5	<2	1.48	0.8	37	44	376	6.00	10
ZZ122513	0.20	<0.2	3.08	13	20	130	<0.5	2	1.08	<0.5	37	76	189	6.25	10
ZZ122514	0.39	<0.2	3.31	9	40	150	<0.5	<2	1.16	0.5	47	93	194	6.47	10
ZZ122515	0.27	<0.2	4.27	11	10	50	<0.5	<2	1.77	<0.5	58	151	226	7.08	10
ZZ122516	0.55	<0.2	2.25	7	60	50	<0.5	2	0.96	<0.5	30	59	328	4.84	10
ZZ122517	0.37	<0.2	2.34	11	10	160	<0.5	<2	1.00	<0.5	28	54	132	4.27	10
ZZ122518	0.20	<0.2	1.50	9	10	120	<0.5	<2	0.82	<0.5	15	31	51	3.14	10
ZZ122519	0.27	<0.2	3.10	5	10	50	<0.5	<2	1.35	<0.5	34	62	148	5.68	10
ZZ122520	0.21	<0.2	2.27	6	40	80	<0.5	<2	0.92	<0.5	22	39	119	4.13	10
ZZ122521	0.24	<0.2	3.35	11	10	80	<0.5	<2	1.30	<0.5	35	74	183	5.87	10
ZZ122522	0.31	<0.2	3.05	3	20	60	<0.5	2	2.50	<0.5	35	78	158	5.51	10
ZZ122523	0.25	<0.2	3.14	5	20	140	<0.5	<2	1.07	<0.5	32	92	183	5.93	10
ZZ122524	0.20	<0.2	1.49	9	<10	110	<0.5	<2	0.66	<0.5	16	32	59	2.96	10
ZZ122525	0.17	<0.2	2.54	16	10	100	0.5	<2	0.98	<0.5	25	52	170	4.66	10
ZZ122526	0.36	<0.2	3.15	3	10	30	<0.5	<2	1.59	<0.5	32	94	114	5.08	10
ZZ122527	0.47	<0.2	4.46	2	10	20	<0.5	<2	1.72	<0.5	49	96	114	6.73	10
ZZ122528	0.35	<0.2	2.81	6	20	150	<0.5	<2	4.38	<0.5	40	76	330	6.27	10
ZZ122529	0.32	<0.2	3.55	7	10	60	<0.5	2	1.66	<0.5	34	94	174	5.24	10
ZZ122530	0.12	<0.2	2.31	18	10	90	<0.5	<2	1.02	<0.5	22	49	58	4.02	10
ZZ122531	0.16	<0.2	1.95	12	10	90	<0.5	<2	1.02	<0.5	18	43	53	3.53	10
ZZ122532	0.37	<0.2	3.13	4	10	30	<0.5	2	1.58	<0.5	30	75	86	5.62	10
ZZ122533	0.49	<0.2	3.78	4	10	30	<0.5	<2	1.59	<0.5	37	84	112	6.54	10
ZZ122534	0.44	<0.2	3.26	4	10	20	<0.5	<2	1.39	<0.5	36	115	174	5.02	10
ZZ122535	0.22	<0.2	2.69	16	20	80	<0.5	<2	1.05	<0.5	26	66	83	4.79	10
ZZ122536	0.23	<0.2	2.57	11	10	80	<0.5	<2	1.20	<0.5	27	52	107	4.26	10
ZZ122537	0.25	<0.2	4.07	2	<10	10	<0.5	<2	0.90	<0.5	37	121	254	6.36	10
ZZ122538	0.18	<0.2	2.43	18	<10	100	<0.5	<2	0.70	<0.5	24	50	126	4.22	10
ZZ122539	0.37	<0.2	3.80	4	10	40	<0.5	2	1.72	<0.5	38	49	67	6.31	10
ZZ122540	0.21	<0.2	2.56	12	10	110	<0.5	<2	1.10	<0.5	22	46	136	4.23	10



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 Account: MTT

Project: Vault

CERTIFICATE OF ANALYSIS WH17192496

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122501		1	0.05	<10	2.85	1105	1	0.01	73	620	4	0.02	<2	12	33	<20
ZZ122502		1	0.06	10	1.86	793	1	0.02	55	750	7	0.04	<2	8	33	<20
ZZ122503		1	0.06	<10	2.84	1390	1	0.01	70	600	6	0.03	<2	15	32	<20
ZZ122504		1	0.06	10	1.03	513	1	0.03	33	790	6	0.10	<2	5	35	<20
ZZ122505		<1	0.05	10	1.19	1325	2	0.03	56	810	9	0.12	2	11	39	<20
ZZ122506		2	0.05	<10	3.89	1605	2	0.01	131	670	7	0.23	<2	18	22	<20
ZZ122507		1	0.06	<10	4.22	1420	1	0.01	117	700	7	0.05	<2	21	30	<20
ZZ122508		1	0.05	10	3.50	1205	1	0.01	110	710	7	0.10	<2	22	57	<20
ZZ122509		<1	0.05	10	2.07	996	2	0.02	65	620	5	0.08	<2	10	55	<20
ZZ122510		1	0.05	<10	3.35	1560	1	0.01	64	640	5	0.04	<2	21	30	<20
ZZ122511		<1	0.06	<10	3.09	1365	1	0.01	71	580	4	0.04	<2	16	32	<20
ZZ122512		1	0.06	<10	2.14	1010	1	0.01	51	580	3	0.04	<2	12	25	<20
ZZ122513		1	0.06	<10	2.79	1110	1	0.01	68	460	2	0.04	<2	11	39	<20
ZZ122514		1	0.06	<10	2.99	1140	1	0.01	78	630	3	0.04	<2	13	34	<20
ZZ122515		<1	0.05	<10	3.43	1390	1	0.01	90	470	4	0.04	<2	18	33	<20
ZZ122516		<1	0.06	10	1.96	751	1	0.02	61	790	4	0.03	<2	8	34	<20
ZZ122517		<1	0.07	10	1.64	807	1	0.03	57	940	6	0.05	<2	7	40	<20
ZZ122518		<1	0.05	10	0.78	474	2	0.03	30	1090	5	0.09	<2	3	37	<20
ZZ122519		1	0.05	<10	2.70	1070	1	0.02	58	510	3	0.03	<2	12	33	<20
ZZ122520		<1	0.05	10	1.70	652	1	0.02	44	680	4	0.03	<2	7	34	<20
ZZ122521		<1	0.06	10	2.75	1075	2	0.02	70	700	6	0.04	<2	14	38	<20
ZZ122522		<1	0.05	<10	3.26	1030	1	0.01	72	560	<2	0.01	<2	12	34	<20
ZZ122523		1	0.06	10	2.64	1305	1	0.01	67	660	4	0.04	<2	15	26	<20
ZZ122524		<1	0.05	10	0.70	553	2	0.02	29	900	5	0.11	<2	3	34	<20
ZZ122525		<1	0.09	10	1.46	927	3	0.02	57	840	7	0.08	<2	8	37	<20
ZZ122526		1	0.04	<10	2.80	783	1	0.01	61	650	<2	0.02	<2	12	93	<20
ZZ122527		<1	0.09	<10	4.14	1160	1	0.01	90	620	3	0.01	<2	21	40	<20
ZZ122528		<1	0.05	10	2.61	2850	1	0.01	61	740	4	0.04	<2	22	50	<20
ZZ122529		<1	0.06	10	2.80	1140	1	0.01	82	700	4	0.02	<2	16	43	<20
ZZ122530		<1	0.09	10	1.22	849	3	0.01	49	1000	7	0.11	<2	4	34	<20
ZZ122531		<1	0.18	10	1.07	747	2	0.01	40	1260	7	0.12	<2	3	33	<20
ZZ122532		1	0.11	<10	2.50	835	1	0.01	65	920	<2	0.05	<2	13	24	<20
ZZ122533		<1	0.05	<10	3.46	1315	1	0.01	77	570	<2	0.03	<2	22	18	<20
ZZ122534		<1	0.06	<10	2.92	926	<1	0.01	87	580	2	0.02	<2	11	42	<20
ZZ122535		<1	0.09	10	1.62	851	2	0.01	59	770	3	0.08	<2	7	37	<20
ZZ122536		<1	0.06	10	1.70	868	2	0.02	60	750	5	0.09	<2	8	38	<20
ZZ122537		1	0.05	<10	3.88	1265	1	0.01	83	490	2	0.01	<2	13	35	<20
ZZ122538		<1	0.05	10	1.46	879	2	0.02	58	640	6	0.07	<2	7	30	<20
ZZ122539		<1	0.04	<10	3.50	1315	<1	0.01	65	430	<2	0.02	<2	17	19	<20
ZZ122540		<1	0.05	10	1.37	1185	2	0.03	54	720	9	0.08	<2	8	36	<20



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Project: Vault

CERTIFICATE OF ANALYSIS WH17192496

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122501		0.22	<10	<10	162	<10	80	0.022
ZZ122502		0.17	<10	<10	121	<10	79	0.012
ZZ122503		0.26	<10	<10	187	<10	84	0.023
ZZ122504		0.13	<10	<10	80	<10	72	0.019
ZZ122505		0.08	<10	<10	93	<10	87	0.123
ZZ122506		0.52	<10	<10	262	<10	115	0.014
ZZ122507		0.34	<10	<10	248	<10	127	0.069
ZZ122508		0.25	<10	<10	194	<10	111	1.015
ZZ122509		0.22	<10	<10	132	<10	81	0.031
ZZ122510		0.46	<10	<10	238	<10	118	0.511
ZZ122511		0.45	<10	<10	205	<10	116	0.058
ZZ122512		0.48	<10	<10	184	<10	114	0.044
ZZ122513		0.40	<10	<10	163	<10	105	0.033
ZZ122514		0.22	<10	<10	164	<10	81	0.020
ZZ122515		0.24	<10	<10	193	<10	86	0.023
ZZ122516		0.23	<10	<10	123	<10	92	0.019
ZZ122517		0.16	<10	<10	100	<10	89	0.012
ZZ122518		0.11	<10	<10	79	<10	76	0.015
ZZ122519		0.31	<10	<10	159	<10	90	0.011
ZZ122520		0.16	<10	<10	101	<10	68	0.043
ZZ122521		0.27	<10	<10	143	<10	107	0.022
ZZ122522		0.34	<10	<10	144	<10	79	0.012
ZZ122523		0.19	<10	<10	151	<10	91	0.019
ZZ122524		0.09	<10	<10	68	<10	69	0.007
ZZ122525		0.17	<10	<10	108	<10	103	0.009
ZZ122526		0.36	<10	<10	124	<10	101	0.010
ZZ122527		0.21	<10	<10	146	<10	95	0.013
ZZ122528		0.35	<10	<10	149	<10	94	0.014
ZZ122529		0.25	<10	<10	135	<10	87	0.009
ZZ122530		0.11	<10	<10	94	<10	111	0.010
ZZ122531		0.11	<10	<10	85	<10	93	0.006
ZZ122532		0.46	<10	<10	160	<10	81	0.009
ZZ122533		0.39	<10	<10	186	<10	123	0.011
ZZ122534		0.29	<10	<10	115	<10	77	0.006
ZZ122535		0.22	<10	<10	117	<10	104	0.008
ZZ122536		0.18	<10	<10	95	<10	89	0.007
ZZ122537		0.26	<10	<10	139	<10	106	0.022
ZZ122538		0.16	<10	<10	97	<10	94	0.013
ZZ122539		0.36	<10	<10	147	<10	81	0.012
ZZ122540		0.19	<10	<10	101	<10	94	0.015



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Sample Description	Method	WEI- 21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122541		0.55	<0.2	2.92	3	10	20	<0.5	<2	1.52	<0.5	40	81	288	5.33	10
ZZ122542		0.43	<0.2	3.42	4	160	240	<0.5	<2	1.46	<0.5	38	71	180	6.70	10
ZZ122543		0.17	<0.2	2.43	13	10	150	<0.5	<2	1.03	<0.5	26	59	124	4.47	10
ZZ122544		0.47	<0.2	2.85	8	10	80	<0.5	<2	0.99	<0.5	31	51	141	4.59	10
ZZ122545		0.44	<0.2	4.39	24	10	30	<0.5	<2	5.53	<0.5	39	87	134	6.79	10
ZZ122546		0.25	<0.2	3.04	20	20	80	<0.5	<2	1.12	<0.5	37	80	201	5.93	10
ZZ122547		0.17	<0.2	2.27	14	<10	150	<0.5	<2	0.80	<0.5	23	55	163	4.27	10
ZZ122548		0.23	<0.2	2.34	15	<10	120	<0.5	<2	0.96	<0.5	27	72	92	4.80	10
ZZ122549		0.15	<0.2	1.10	11	<10	70	<0.5	<2	0.49	<0.5	11	27	49	2.15	<10
ZZ122550		0.33	0.2	1.90	18	<10	120	<0.5	<2	1.09	<0.5	19	65	93	4.00	10
ZZ122551		0.16	<0.2	2.06	17	<10	100	<0.5	<2	1.10	<0.5	23	74	111	4.15	10
ZZ122552		0.26	0.2	1.84	24	<10	100	<0.5	<2	1.13	<0.5	27	63	107	4.63	<10
ZZ122553		0.12	<0.2	1.92	17	<10	130	<0.5	<2	1.27	<0.5	26	61	115	4.42	10
ZZ122554		0.28	<0.2	2.51	36	<10	50	<0.5	<2	2.09	0.5	33	126	118	5.48	10
ZZ122555		0.15	0.2	1.99	11	<10	170	<0.5	<2	1.89	<0.5	28	55	124	4.35	10
ZZ122556		0.21	<0.2	1.65	25	<10	150	<0.5	<2	0.85	0.5	21	55	65	3.63	<10
ZZ122557		0.16	0.6	1.33	46	<10	80	<0.5	<2	1.12	0.5	26	48	113	4.83	<10
ZZ122558		0.20	0.5	1.25	36	<10	120	<0.5	2	1.39	0.5	22	38	104	4.18	<10
ZZ122559		0.13	0.5	1.16	57	10	70	<0.5	<2	1.83	0.6	22	45	100	4.32	<10
ZZ122560		0.24	0.9	1.32	71	<10	70	<0.5	3	1.20	0.5	34	61	128	5.73	<10
ZZ122561		0.46	0.7	1.51	67	<10	50	<0.5	3	0.93	<0.5	31	65	139	5.67	<10
ZZ122562		0.20	1.0	1.33	68	<10	70	<0.5	<2	1.21	0.6	31	56	131	5.29	<10
ZZ122563		0.30	1.0	1.39	66	<10	70	<0.5	<2	1.43	0.7	33	46	144	5.38	<10
ZZ122564		0.24	0.8	1.43	71	<10	70	<0.5	<2	1.12	0.6	30	42	141	5.70	<10
ZZ122565		0.28	0.7	1.59	66	<10	70	<0.5	<2	1.15	0.5	29	79	137	5.42	<10
ZZ122566		0.22	0.6	1.39	56	<10	50	<0.5	<2	0.75	0.6	32	19	119	6.18	<10
ZZ122567		0.29	0.3	2.90	56	<10	60	<0.5	<2	1.87	0.7	42	194	158	6.15	10
ZZ122568		0.34	0.7	0.74	113	<10	30	<0.5	3	2.07	0.7	33	26	115	6.29	<10
ZZ122569		0.24	1.4	0.28	163	<10	30	<0.5	2	0.86	0.5	46	8	187	6.74	<10
ZZ122570		0.24	0.6	1.75	79	<10	60	<0.5	<2	0.92	0.6	34	68	159	6.38	<10
ZZ122571		0.24	0.4	1.14	63	<10	50	<0.5	<2	1.22	<0.5	23	35	105	4.78	<10
ZZ122572		0.26	1.0	1.18	98	<10	40	<0.5	<2	1.07	0.6	29	28	125	5.92	<10
ZZ122573		0.37	0.6	1.33	87	<10	50	<0.5	<2	1.17	0.5	32	47	144	5.79	<10
ZZ122574		0.18	0.4	1.48	91	<10	50	<0.5	<2	1.01	0.5	28	52	124	5.60	<10
ZZ122575		0.26	0.4	1.91	89	<10	60	<0.5	2	0.88	0.5	30	98	120	5.67	<10
ZZ122576		0.21	1.0	1.14	112	<10	70	<0.5	<2	1.50	0.6	33	41	158	6.42	<10
ZZ122577		0.23	0.4	1.79	48	<10	80	<0.5	<2	0.85	<0.5	26	106	112	5.15	<10
ZZ122578		0.22	0.4	2.21	62	<10	90	<0.5	<2	0.85	<0.5	25	79	119	5.06	10
ZZ122579		0.20	<0.2	2.70	23	<10	120	<0.5	<2	1.48	0.5	31	193	120	4.90	10
ZZ122580		0.23	<0.2	2.22	27	<10	60	<0.5	<2	4.12	0.6	26	162	90	4.41	10



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122541		<1	0.03	<10	3.16	1050	<1	<0.01	76	480	<2	0.02	2	14	128	<20
ZZ122542		<1	0.05	<10	3.43	1190	<1	0.01	65	540	3	0.02	<2	18	24	<20
ZZ122543		1	0.05	10	1.77	1145	2	0.02	54	660	6	0.07	3	10	38	<20
ZZ122544		<1	0.09	10	2.46	1280	2	0.01	64	1140	4	0.06	<2	10	60	<20
ZZ122545		<1	0.05	10	2.39	1250	5	0.01	84	1440	7	0.02	<2	19	65	<20
ZZ122546		<1	0.06	10	2.08	1005	2	0.02	66	660	4	0.07	<2	17	27	<20
ZZ122547		<1	0.06	10	1.31	916	2	0.02	55	730	5	0.06	<2	7	30	<20
ZZ122548		<1	0.06	10	1.38	935	3	0.01	51	780	7	0.07	<2	7	34	<20
ZZ122549		<1	0.07	<10	0.59	350	1	0.02	23	620	4	0.07	<2	2	21	<20
ZZ122550		<1	0.07	10	1.24	911	2	0.01	52	890	8	0.11	2	6	43	<20
ZZ122551		<1	0.07	10	1.55	999	2	0.01	51	860	8	0.10	<2	7	42	<20
ZZ122552		<1	0.07	10	1.31	1065	2	0.01	54	830	9	0.10	<2	8	46	<20
ZZ122553		<1	0.08	10	1.60	876	3	0.01	43	600	11	0.13	<2	7	48	<20
ZZ122554		<1	0.05	10	2.62	738	2	0.01	83	700	9	0.19	<2	8	59	<20
ZZ122555		<1	0.13	10	1.74	972	3	0.01	38	700	8	0.14	<2	10	60	<20
ZZ122556		<1	0.06	10	1.00	598	2	0.02	49	750	9	0.08	2	5	43	<20
ZZ122557		<1	0.06	10	1.06	960	2	0.01	45	750	18	0.13	<2	7	52	<20
ZZ122558		1	0.06	10	0.89	1120	2	0.01	39	860	13	0.13	<2	5	57	<20
ZZ122559		<1	0.05	10	0.85	864	2	0.01	54	840	16	0.17	<2	5	67	<20
ZZ122560		<1	0.06	10	1.19	1230	2	0.01	54	940	15	0.20	<2	8	62	<20
ZZ122561		1	0.04	10	1.17	879	2	0.01	62	850	16	0.09	<2	9	36	<20
ZZ122562		1	0.05	10	1.01	1075	2	0.01	59	790	23	0.15	<2	7	52	<20
ZZ122563		<1	0.05	10	1.09	1105	2	0.01	62	860	19	0.14	<2	8	54	<20
ZZ122564		<1	0.04	10	1.04	1030	2	0.01	53	840	22	0.17	<2	7	45	<20
ZZ122565		1	0.04	10	1.25	942	2	0.01	65	680	16	0.14	<2	7	43	<20
ZZ122566		<1	0.03	10	0.94	1165	5	<0.01	59	710	39	0.22	<2	5	30	<20
ZZ122567		<1	0.06	<10	3.29	865	3	0.01	121	770	12	0.11	<2	11	51	<20
ZZ122568		<1	0.04	<10	0.86	627	3	0.01	85	780	22	0.59	<2	5	64	<20
ZZ122569		1	0.04	<10	0.66	928	6	0.01	74	990	23	1.97	<2	4	50	<20
ZZ122570		1	0.04	10	1.35	864	4	0.01	79	840	21	0.16	<2	7	42	<20
ZZ122571		<1	0.04	10	0.75	710	2	0.01	54	830	15	0.14	<2	5	48	<20
ZZ122572		<1	0.05	10	0.77	910	3	0.01	66	810	41	0.19	3	6	50	<20
ZZ122573		1	0.04	10	1.03	1180	2	0.01	77	860	22	0.17	<2	8	45	<20
ZZ122574		1	0.04	10	1.10	861	3	0.01	62	640	22	0.16	<2	6	33	<20
ZZ122575		<1	0.04	10	1.60	806	3	0.01	72	660	21	0.14	<2	9	36	<20
ZZ122576		<1	0.04	10	0.95	1170	2	0.01	64	810	19	0.46	4	8	58	<20
ZZ122577		1	0.05	10	1.34	1065	3	<0.01	67	620	15	0.13	2	9	36	<20
ZZ122578		<1	0.06	10	1.61	753	2	0.01	55	700	18	0.06	<2	8	39	<20
ZZ122579		1	0.07	10	2.96	1015	2	0.01	89	740	8	0.09	<2	12	38	<20
ZZ122580		<1	0.04	10	3.93	680	1	0.01	82	770	9	0.08	<2	9	67	<20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122541		0.46	<10	<10	130	<10	92	0.036
ZZ122542		0.27	<10	<10	195	<10	81	0.028
ZZ122543		0.22	<10	<10	109	<10	88	0.010
ZZ122544		0.16	<10	<10	85	<10	103	0.006
ZZ122545		0.24	<10	<10	153	<10	88	0.007
ZZ122546		0.28	<10	<10	149	<10	94	0.011
ZZ122547		0.15	<10	<10	98	<10	85	0.010
ZZ122548		0.20	<10	<10	114	<10	88	0.006
ZZ122549		0.08	<10	<10	47	<10	45	0.010
ZZ122550		0.05	<10	<10	70	<10	87	0.039
ZZ122551		0.04	<10	<10	67	<10	76	0.039
ZZ122552		0.03	<10	<10	65	<10	86	0.133
ZZ122553		0.06	<10	<10	85	<10	89	0.037
ZZ122554		0.07	<10	<10	95	<10	115	0.047
ZZ122555		0.03	<10	<10	77	<10	85	0.065
ZZ122556		0.07	<10	<10	62	<10	91	0.033
ZZ122557		0.03	<10	<10	47	<10	105	0.351
ZZ122558		0.03	<10	<10	45	<10	96	0.142
ZZ122559		0.02	<10	<10	43	<10	114	0.119
ZZ122560		0.01	<10	<10	44	<10	95	0.674
ZZ122561		0.01	<10	<10	47	<10	120	0.660
ZZ122562		0.01	<10	<10	45	<10	124	0.412
ZZ122563		0.01	<10	<10	45	<10	132	0.459
ZZ122564		0.01	<10	<10	46	<10	150	0.846
ZZ122565		0.02	<10	<10	53	<10	125	0.624
ZZ122566		<0.01	<10	<10	27	<10	189	0.319
ZZ122567		0.07	<10	<10	120	<10	119	0.050
ZZ122568		<0.01	<10	<10	23	<10	200	0.128
ZZ122569		0.01	<10	<10	12	<10	245	0.604
ZZ122570		0.01	<10	<10	48	<10	166	0.118
ZZ122571		0.02	<10	<10	35	<10	129	0.112
ZZ122572		0.01	<10	<10	29	<10	189	0.189
ZZ122573		0.01	<10	<10	40	<10	158	0.133
ZZ122574		0.01	<10	<10	41	<10	142	0.313
ZZ122575		0.01	<10	<10	65	<10	130	0.296
ZZ122576		0.01	<10	<10	40	<10	134	0.226
ZZ122577		0.01	<10	<10	54	<10	95	0.044
ZZ122578		0.02	<10	<10	67	<10	120	0.107
ZZ122579		0.05	<10	<10	111	<10	90	0.013
ZZ122580		0.02	<10	<10	80	<10	87	0.019



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Sample Description	Method	WEI- 21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122581		0.24	<0.2	3.01	61	<10	80	<0.5	<2	1.32	<0.5	34	164	142	5.98	10
ZZ122582		0.14	<0.2	1.90	17	<10	110	<0.5	<2	0.91	0.5	24	72	91	3.81	<10
ZZ122583		0.22	0.3	2.40	43	<10	70	<0.5	<2	1.15	<0.5	30	191	128	5.04	10
ZZ122584		0.20	0.3	1.80	85	<10	60	<0.5	<2	1.03	0.5	28	76	124	4.98	<10
ZZ122585		0.18	0.4	1.30	92	<10	160	<0.5	<2	1.26	0.6	28	54	113	5.33	<10
ZZ122586		0.27	0.6	1.09	117	<10	50	<0.5	<2	1.20	0.7	30	46	114	5.89	<10
ZZ122587		0.20	0.9	1.03	130	<10	40	<0.5	<2	1.49	0.7	32	47	132	6.16	<10
ZZ122588		0.20	0.4	2.80	57	<10	70	<0.5	<2	1.18	0.6	44	338	159	5.67	10
ZZ122589		0.22	0.5	1.86	59	<10	30	0.5	2	1.25	0.6	35	29	182	6.90	<10
ZZ122590		0.25	0.8	0.59	194	<10	10	<0.5	<2	0.95	0.8	40	8	174	8.57	<10
ZZ122591		0.24	0.2	3.44	36	<10	70	<0.5	<2	1.81	0.6	42	217	168	6.58	10
ZZ122592		0.18	0.3	2.13	45	<10	40	<0.5	<2	0.84	<0.5	32	162	152	5.35	<10
ZZ122593		0.18	0.7	1.89	80	<10	70	<0.5	<2	1.12	<0.5	33	89	190	6.15	<10
ZZ122594		0.35	0.7	1.47	74	<10	70	<0.5	2	1.04	<0.5	32	43	147	5.93	<10
ZZ122595		0.26	2.1	1.20	139	<10	70	<0.5	2	1.71	0.7	45	58	148	7.01	<10
ZZ122596		0.17	0.7	1.40	95	<10	50	<0.5	<2	1.45	<0.5	44	56	179	6.72	<10
ZZ122597		0.20	0.5	1.43	60	<10	70	<0.5	<2	1.61	<0.5	32	50	144	5.24	<10
ZZ122598		0.19	0.3	2.54	29	<10	80	<0.5	2	2.59	<0.5	36	100	127	5.65	10
ZZ122599		0.19	0.6	1.24	70	<10	100	<0.5	<2	1.59	0.7	28	37	128	4.86	<10
ZZ122600		0.23	0.4	1.48	37	<10	110	<0.5	<2	0.98	<0.5	24	44	123	4.55	<10
ZZ122601		0.23	0.8	1.25	86	<10	80	<0.5	<2	1.05	0.5	30	45	107	5.50	<10
ZZ122602		0.15	0.3	1.51	29	10	90	<0.5	<2	1.72	<0.5	22	44	84	3.74	<10
ZZ122603		0.15	0.5	1.61	104	<10	60	<0.5	3	1.40	<0.5	35	88	135	5.34	<10
ZZ122604		0.15	0.3	1.97	62	<10	90	<0.5	2	1.72	<0.5	36	96	163	5.50	<10
ZZ122605		0.34	<0.2	2.45	49	<10	70	<0.5	2	2.35	<0.5	36	124	131	5.53	10
ZZ122606		0.29	0.2	2.21	36	<10	110	<0.5	<2	1.21	<0.5	28	60	151	4.91	10
ZZ122607		0.21	0.3	2.76	56	<10	80	<0.5	2	1.30	0.5	45	188	177	6.06	10
ZZ122608		0.17	<0.2	2.19	34	<10	80	<0.5	<2	1.13	<0.5	34	138	129	5.38	<10
ZZ122609		0.17	<0.2	2.07	32	<10	100	<0.5	<2	1.25	<0.5	28	94	126	5.03	<10
ZZ122610		0.23	0.3	1.41	40	<10	70	<0.5	2	0.48	<0.5	18	12	91	4.01	<10
ZZ122611		0.35	0.3	2.51	85	<10	60	<0.5	2	1.93	<0.5	39	198	110	5.97	10
ZZ122612		0.29	<0.2	2.61	48	<10	50	<0.5	2	1.36	<0.5	36	111	147	5.86	10
ZZ122613		0.20	0.3	2.54	26	<10	90	<0.5	<2	1.36	0.5	31	123	135	5.97	10
ZZ122614		0.24	<0.2	3.14	52	<10	50	<0.5	<2	3.52	0.9	39	131	175	6.27	10
ZZ122615		0.16	<0.2	1.84	31	<10	110	<0.5	<2	1.05	<0.5	23	59	64	4.03	<10
ZZ122616		0.17	<0.2	2.53	21	<10	140	<0.5	<2	1.04	<0.5	30	89	139	5.09	10
ZZ122617		0.13	0.2	2.45	59	<10	60	<0.5	<2	2.06	0.5	47	92	229	5.61	10
ZZ122618		0.30	<0.2	1.17	10	<10	80	<0.5	5	10.9	1.8	16	36	74	3.37	<10
ZZ122619		0.21	<0.2	4.84	16	<10	30	<0.5	2	1.18	<0.5	51	331	211	7.61	10
ZZ122620		0.27	0.5	3.11	68	<10	80	<0.5	<2	1.65	0.7	44	232	196	6.69	10



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122581		1	0.05	10	2.98	832	1	<0.01	84	710	10	0.07	<2	14	38	<20
ZZ122582		1	0.07	10	1.37	1015	1	0.02	42	540	17	0.06	<2	8	36	<20
ZZ122583		1	0.04	10	2.15	924	2	0.01	95	640	11	0.10	<2	9	44	<20
ZZ122584		1	0.05	10	1.37	942	4	0.01	60	740	19	0.10	<2	8	43	<20
ZZ122585		<1	0.04	10	1.03	902	4	0.01	65	740	26	0.15	2	6	46	<20
ZZ122586		<1	0.04	10	0.85	972	3	0.01	79	840	27	0.15	2	6	49	<20
ZZ122587		<1	0.04	10	1.04	954	5	0.01	72	790	27	0.20	2	6	59	<20
ZZ122588		<1	0.05	10	3.33	836	6	<0.01	160	740	14	0.07	<2	10	39	<20
ZZ122589		1	0.04	10	1.18	421	3	0.01	80	970	22	0.27	4	4	53	<20
ZZ122590		<1	0.05	<10	0.61	622	3	0.02	103	920	24	0.76	<2	5	62	<20
ZZ122591		1	0.07	<10	3.93	948	2	0.01	130	740	7	0.08	<2	13	43	<20
ZZ122592		<1	0.05	10	2.01	686	2	<0.01	95	630	12	0.06	<2	8	35	<20
ZZ122593		<1	0.05	10	1.50	1115	2	0.01	77	710	12	0.18	<2	9	44	<20
ZZ122594		<1	0.05	10	1.04	1040	3	0.01	61	780	15	0.17	<2	8	44	<20
ZZ122595		<1	0.05	10	1.25	1140	2	0.01	84	810	32	0.26	2	9	70	<20
ZZ122596		<1	0.05	10	1.27	1185	3	0.01	71	870	25	0.24	3	13	55	<20
ZZ122597		1	0.05	10	1.13	1335	2	0.01	61	830	18	0.20	2	7	56	<20
ZZ122598		1	0.15	10	2.27	1050	2	<0.01	64	890	8	0.15	3	8	89	<20
ZZ122599		1	0.06	10	0.91	988	2	0.01	57	890	24	0.17	<2	6	69	<20
ZZ122600		<1	0.07	10	0.99	1070	2	0.01	44	740	15	0.14	<2	6	44	<20
ZZ122601		<1	0.07	10	1.10	1205	1	0.01	54	1000	17	0.30	5	8	50	<20
ZZ122602		<1	0.07	10	1.02	772	1	0.02	40	810	19	0.16	<2	6	67	<20
ZZ122603		<1	0.05	10	1.30	986	3	0.01	87	880	14	0.18	2	7	64	<20
ZZ122604		<1	0.09	10	1.64	1170	4	0.01	77	790	17	0.15	2	9	70	<20
ZZ122605		<1	0.07	10	2.47	860	3	0.01	83	740	10	0.14	<2	10	71	<20
ZZ122606		<1	0.12	20	1.47	1205	4	0.01	51	810	26	0.09	<2	7	51	<20
ZZ122607		<1	0.10	10	2.59	1080	4	<0.01	133	570	27	0.07	<2	10	54	<20
ZZ122608		<1	0.07	10	1.73	960	2	0.01	89	850	14	0.10	<2	10	47	<20
ZZ122609		1	0.08	10	1.55	1090	2	0.01	68	870	11	0.12	<2	8	48	<20
ZZ122610		<1	0.05	10	0.87	1210	2	<0.01	26	1000	23	0.14	<2	3	30	<20
ZZ122611		<1	0.05	10	2.59	566	3	<0.01	135	740	35	0.16	<2	10	57	<20
ZZ122612		<1	0.03	10	2.30	680	2	0.01	73	810	10	0.15	<2	9	44	<20
ZZ122613		<1	0.06	10	2.63	850	2	0.01	76	550	14	0.09	<2	11	40	<20
ZZ122614		<1	0.05	10	4.68	874	2	0.01	70	620	10	0.06	<2	14	70	<20
ZZ122615		1	0.06	10	1.22	846	5	0.02	52	970	7	0.13	<2	4	40	<20
ZZ122616		<1	0.06	10	2.10	1280	6	0.01	57	890	9	0.12	<2	7	52	<20
ZZ122617		<1	0.06	10	2.15	1095	6	0.01	66	680	4	0.16	<2	8	69	<20
ZZ122618		1	0.04	10	6.82	1140	3	0.01	36	710	17	0.08	3	6	123	<20
ZZ122619		<1	0.03	<10	5.17	706	1	<0.01	107	540	<2	0.08	<2	17	27	<20
ZZ122620		<1	0.07	10	3.53	791	6	<0.01	157	920	12	0.12	4	13	46	<20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122581		0.02	<10	<10	115	<10	115	0.011
ZZ122582		0.05	<10	<10	79	<10	81	0.006
ZZ122583		0.03	<10	<10	88	<10	90	0.024
ZZ122584		0.02	<10	<10	63	<10	110	0.062
ZZ122585		0.01	<10	<10	36	<10	138	0.146
ZZ122586		0.01	<10	<10	30	<10	192	0.275
ZZ122587		0.01	<10	<10	28	<10	188	0.324
ZZ122588		0.04	<10	<10	99	<10	101	0.031
ZZ122589		0.01	<10	<10	36	<10	206	0.027
ZZ122590		<0.01	<10	<10	11	<10	318	0.199
ZZ122591		0.11	<10	<10	154	<10	107	0.023
ZZ122592		0.02	<10	<10	62	<10	123	0.075
ZZ122593		0.02	<10	<10	65	<10	119	0.518
ZZ122594		<0.01	<10	<10	44	<10	150	1.020
ZZ122595		<0.01	<10	<10	43	<10	145	0.834
ZZ122596		<0.01	<10	<10	57	<10	142	1.120
ZZ122597		0.01	<10	<10	49	<10	125	0.247
ZZ122598		0.03	<10	<10	66	<10	83	0.296
ZZ122599		0.01	<10	<10	44	<10	141	0.247
ZZ122600		0.03	<10	<10	55	<10	106	0.100
ZZ122601		0.04	<10	<10	51	<10	133	0.257
ZZ122602		0.04	<10	<10	60	<10	95	0.055
ZZ122603		0.01	<10	<10	54	<10	105	0.169
ZZ122604		0.03	<10	<10	77	<10	116	0.206
ZZ122605		0.04	<10	<10	91	<10	120	0.061
ZZ122606		0.04	<10	<10	80	<10	111	0.027
ZZ122607		0.03	<10	<10	87	<10	140	0.082
ZZ122608		0.02	<10	<10	75	<10	109	0.064
ZZ122609		0.03	<10	<10	82	<10	96	0.056
ZZ122610		<0.01	<10	<10	19	<10	102	0.034
ZZ122611		<0.01	<10	<10	74	<10	133	0.051
ZZ122612		0.02	<10	<10	80	<10	128	0.024
ZZ122613		0.09	<10	<10	106	<10	116	0.038
ZZ122614		0.14	<10	<10	148	<10	122	0.020
ZZ122615		0.07	<10	<10	78	<10	95	0.009
ZZ122616		0.05	<10	<10	100	<10	89	0.012
ZZ122617		0.06	<10	<10	103	<10	75	0.048
ZZ122618		0.03	<10	<10	60	<10	190	0.015
ZZ122619		0.08	<10	<10	185	<10	88	0.008
ZZ122620		0.10	<10	<10	137	<10	136	0.055



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %	ME- ICP41 Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122621		0.21	<0.2	3.70	8	<10	40	<0.5	2	1.09	<0.5	42	279	239	6.42	10
ZZ122622		0.27	<0.2	3.63	32	<10	60	<0.5	<2	2.25	<0.5	53	586	133	6.43	10
ZZ122623		0.21	<0.2	4.61	33	<10	50	<0.5	<2	1.37	<0.5	50	611	180	6.55	10
ZZ122624		0.37	<0.2	0.68	12	<10	70	<0.5	<2	10.6	1.0	11	40	44	2.03	<10
ZZ122625		0.16	0.2	3.02	90	10	80	<0.5	<2	1.60	<0.5	80	231	432	7.02	10
ZZ122626		0.22	<0.2	3.72	19	<10	170	<0.5	2	1.30	<0.5	41	361	181	5.78	10
ZZ122627		0.20	0.3	3.26	58	<10	100	0.5	3	1.81	<0.5	55	69	386	8.09	10
ZZ122628		0.26	0.2	3.36	54	10	80	0.5	3	2.14	<0.5	59	178	373	7.59	10
ZZ122629		0.22	0.3	4.17	20	<10	100	<0.5	<2	0.78	<0.5	44	632	179	6.53	10
ZZ122630		0.16	0.2	1.58	10	10	170	<0.5	<2	1.75	<0.5	26	98	191	3.80	<10
ZZ122631		0.15	<0.2	2.09	31	10	60	<0.5	<2	1.67	1.0	41	154	165	4.21	<10
ZZ122632		0.14	0.3	2.94	45	<10	90	<0.5	2	1.77	0.6	40	232	158	5.70	10
ZZ122633		0.23	0.6	2.30	36	<10	90	<0.5	<2	2.44	1.0	31	207	113	4.84	10
ZZ122634		0.19	0.2	2.96	29	10	70	<0.5	<2	2.84	0.7	38	260	168	5.24	10
ZZ122635		0.23	0.3	3.32	31	<10	70	<0.5	<2	1.74	0.6	45	233	228	6.05	10
ZZ122636		0.21	<0.2	5.22	3	<10	40	<0.5	<2	1.89	<0.5	40	549	160	6.88	10
ZZ122637		0.27	<0.2	3.92	3	<10	50	<0.5	<2	1.98	<0.5	48	709	96	5.56	10
ZZ122638		0.30	0.2	4.79	13	<10	110	0.5	<2	1.52	<0.5	55	234	319	8.56	10
ZZ122639		0.57	0.4	1.01	33	<10	60	<0.5	<2	11.6	0.6	18	53	75	2.70	<10
ZZ122640		0.17	1.2	2.70	103	<10	120	<0.5	2	2.03	0.9	39	289	139	5.66	10
ZZ122641		0.24	<0.2	2.95	10	10	40	<0.5	<2	1.35	<0.5	36	161	202	5.40	10
ZZ122642		0.19	<0.2	3.65	17	<10	50	<0.5	<2	1.40	<0.5	55	279	256	6.89	10
ZZ122643		0.38	<0.2	3.84	9	<10	100	<0.5	<2	1.43	<0.5	58	195	281	8.39	10
ZZ122644		0.23	<0.2	2.62	7	10	60	<0.5	<2	2.09	0.5	48	110	187	4.95	10
ZZ122645		0.36	<0.2	3.66	5	<10	40	<0.5	<2	0.84	<0.5	53	174	243	6.77	10
ZZ122646		0.20	<0.2	3.44	9	<10	30	<0.5	3	1.03	<0.5	47	167	378	7.10	10
ZZ122647		0.62	1.6	0.78	56	10	60	<0.5	<2	0.48	0.8	28	34	98	8.64	<10
ZZ122648		0.26	3.7	0.30	165	10	20	<0.5	3	0.23	0.5	9	14	42	14.60	<10
ZZ122649		0.61	0.3	1.62	50	<10	20	<0.5	2	1.97	<0.5	27	30	91	4.75	<10
ZZ122650		0.65	0.2	0.94	71	<10	30	<0.5	<2	1.35	<0.5	23	11	69	4.32	<10
ZZ122651		0.74	0.5	1.50	65	<10	30	0.5	2	1.82	0.5	30	19	139	6.00	<10
ZZ122652		0.55	0.3	2.44	91	<10	30	<0.5	<2	2.05	<0.5	48	92	223	6.88	10
ZZ122653		0.45	0.6	0.79	90	<10	30	<0.5	<2	1.72	0.5	30	29	116	4.95	<10



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Sample Description	Method Analyte Units LOR	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm	ME- ICP41 Sr ppm	ME- ICP41 Th ppm
ZZ122621		<1	0.05	10	3.97	1010	1	0.01	127	620	2	0.04	<2	10	26	<20
ZZ122622		<1	0.03	10	5.61	586	2	0.01	303	700	6	0.08	<2	19	47	<20
ZZ122623		<1	0.02	10	6.23	797	1	<0.01	222	480	2	0.08	<2	23	42	<20
ZZ122624		<1	0.03	10	6.43	702	6	0.01	35	670	25	0.08	3	3	155	<20
ZZ122625		<1	0.06	10	2.64	1215	2	0.02	172	640	3	0.13	3	12	39	<20
ZZ122626		<1	0.04	10	4.71	795	2	0.01	172	530	4	0.09	<2	14	33	<20
ZZ122627		<1	0.07	10	2.65	1490	1	0.01	70	560	5	0.08	<2	21	80	<20
ZZ122628		1	0.10	10	3.24	1440	3	0.01	102	800	7	0.09	2	21	55	<20
ZZ122629		<1	0.03	<10	5.84	811	1	0.01	248	360	8	0.07	<2	14	23	<20
ZZ122630		<1	0.06	10	1.55	789	4	0.01	56	870	3	0.19	<2	4	53	<20
ZZ122631		1	0.07	10	2.25	823	2	0.01	106	790	7	0.17	<2	7	35	<20
ZZ122632		1	0.07	<10	3.28	917	2	0.01	143	740	5	0.11	2	14	44	<20
ZZ122633		1	0.03	10	2.98	564	4	0.01	125	870	8	0.12	<2	9	61	<20
ZZ122634		1	0.04	10	3.94	717	2	0.01	98	960	6	0.12	<2	15	65	<20
ZZ122635		<1	0.04	10	3.89	880	2	0.01	124	660	7	0.13	<2	17	40	<20
ZZ122636		1	0.01	<10	6.36	499	1	<0.01	174	270	2	0.02	<2	28	38	<20
ZZ122637		<1	0.02	<10	5.83	955	1	<0.01	352	370	3	0.04	<2	5	123	<20
ZZ122638		<1	0.07	<10	4.47	1105	3	0.01	91	560	12	0.11	<2	19	34	<20
ZZ122639		1	0.03	10	6.65	836	14	0.01	47	620	26	0.06	2	5	188	<20
ZZ122640		1	0.07	10	3.17	591	6	0.01	192	1230	11	0.13	<2	14	66	<20
ZZ122641		1	0.06	<10	3.13	881	1	0.01	87	680	4	0.07	2	9	28	<20
ZZ122642		1	0.06	<10	3.82	1185	1	0.01	136	560	2	0.08	<2	13	30	<20
ZZ122643		<1	0.14	<10	3.87	1335	1	0.01	107	690	4	0.06	<2	19	33	<20
ZZ122644		<1	0.07	<10	2.89	1290	1	0.01	78	980	2	0.12	<2	6	31	<20
ZZ122645		1	0.07	<10	4.04	1490	1	0.01	108	730	6	0.07	<2	10	22	<20
ZZ122646		1	0.06	<10	3.30	1205	1	0.01	77	600	3	0.03	2	11	25	<20
ZZ122647		1	1.17	<10	0.46	400	1	0.11	32	720	33	2.49	<2	8	56	<20
ZZ122648		1	2.95	<10	0.11	90	1	0.09	12	1320	62	5.31	<2	3	39	<20
ZZ122649		1	0.06	10	1.21	673	2	0.01	48	920	14	0.21	<2	4	53	<20
ZZ122650		1	0.06	10	0.75	739	2	0.01	40	930	13	0.33	<2	3	54	<20
ZZ122651		<1	0.05	10	1.17	624	4	0.01	61	720	26	0.33	<2	4	55	<20
ZZ122652		1	0.03	10	2.36	1030	3	0.01	91	890	9	0.18	<2	14	50	<20
ZZ122653		<1	0.05	10	0.97	962	3	0.01	63	780	15	0.42	<2	4	50	<20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122621		0.25	<10	<10	164	<10	96	0.007
ZZ122622		0.01	<10	<10	143	<10	94	0.023
ZZ122623		0.03	<10	<10	183	<10	77	0.033
ZZ122624		0.02	<10	<10	32	<10	146	0.014
ZZ122625		0.15	<10	<10	140	<10	99	0.021
ZZ122626		0.07	<10	<10	147	<10	82	0.011
ZZ122627		0.27	<10	<10	193	<10	112	0.123
ZZ122628		0.18	<10	<10	181	<10	126	0.049
ZZ122629		0.11	<10	<10	153	<10	77	0.034
ZZ122630		0.04	<10	<10	61	<10	52	0.017
ZZ122631		0.08	<10	<10	88	<10	86	0.017
ZZ122632		0.06	<10	<10	138	<10	96	0.048
ZZ122633		0.03	<10	<10	93	<10	126	0.020
ZZ122634		0.04	<10	<10	137	<10	96	0.031
ZZ122635		0.07	<10	<10	139	<10	94	0.047
ZZ122636		0.01	<10	<10	243	<10	76	0.021
ZZ122637		0.12	<10	<10	107	<10	47	0.008
ZZ122638		0.08	<10	<10	201	<10	100	0.033
ZZ122639		0.03	<10	<10	44	<10	78	0.025
ZZ122640		0.02	<10	<10	121	<10	154	0.039
ZZ122641		0.26	<10	<10	147	<10	85	0.013
ZZ122642		0.16	<10	<10	156	<10	79	0.014
ZZ122643		0.18	<10	<10	186	<10	90	0.016
ZZ122644		0.18	<10	<10	124	<10	72	0.016
ZZ122645		0.21	<10	<10	186	<10	90	0.026
ZZ122646		0.42	<10	<10	208	<10	115	0.014
ZZ122647		0.37	<10	<10	60	<10	42	0.040
ZZ122648		0.46	10	<10	36	<10	11	0.018
ZZ122649		<0.01	<10	<10	29	<10	124	0.032
ZZ122650		<0.01	<10	<10	18	<10	121	0.123
ZZ122651		<0.01	<10	<10	21	<10	189	0.023
ZZ122652		<0.01	<10	<10	120	<10	142	0.135
ZZ122653		<0.01	<10	<10	18	<10	177	0.235



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CERTIFICATE OF ANALYSIS WH17192496

CERTIFICATE COMMENTS

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- AA24 ME- ICP41



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CERTIFICATE WH17192499

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This report is for 155 Soil samples submitted to our lab in Whitehorse, YT, Canada on 8- SEP- 2017.

The following have access to data associated with this certificate:

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %	ME- ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122750	0.30	<0.2	3.05	8	270	220	<0.5	3	1.61	<0.5	35	76	111	5.32	10
ZZ122751	0.39	<0.2	2.74	8	80	210	<0.5	2	1.31	<0.5	33	74	169	5.11	10
ZZ122752	0.35	<0.2	3.32	10	20	160	<0.5	2	1.09	0.6	51	101	147	6.25	10
ZZ122753	0.32	<0.2	2.76	20	150	150	<0.5	<2	1.05	0.7	47	71	217	6.13	10
ZZ122754	0.21	<0.2	2.09	11	10	110	<0.5	<2	1.11	0.5	26	56	201	4.53	10
ZZ122755	0.27	0.2	2.48	47	10	130	<0.5	<2	0.82	0.5	39	71	241	5.67	10
ZZ122756	0.29	<0.2	2.95	13	10	130	<0.5	<2	1.67	<0.5	33	102	244	5.83	10
ZZ122757	0.16	<0.2	2.45	36	10	140	<0.5	<2	1.07	<0.5	34	77	165	5.47	10
ZZ122758	0.19	<0.2	2.72	47	10	160	<0.5	3	1.14	<0.5	34	60	249	5.74	10
ZZ122759	0.32	<0.2	3.28	26	40	130	<0.5	2	1.40	0.7	42	82	314	6.76	10
ZZ122760	0.30	<0.2	2.69	34	20	80	0.5	<2	2.47	0.7	173	47	299	6.30	10
ZZ122761	0.21	<0.2	1.97	16	<10	150	<0.5	<2	0.91	<0.5	25	46	90	4.23	10
ZZ122762	0.27	<0.2	2.65	17	<10	120	0.5	<2	0.71	<0.5	29	70	169	5.47	10
ZZ122763	0.28	<0.2	2.70	5	30	210	<0.5	<2	1.28	<0.5	34	60	296	5.74	10
ZZ122764	0.22	<0.2	1.88	10	<10	130	<0.5	<2	1.19	<0.5	25	51	72	3.75	10
ZZ122765	0.30	<0.2	3.40	6	<10	70	<0.5	<2	1.47	<0.5	38	88	158	5.84	10
ZZ122766	0.36	<0.2	2.51	5	10	210	<0.5	<2	1.10	<0.5	34	49	228	5.88	10
ZZ122767	0.33	<0.2	2.83	3	120	190	<0.5	<2	1.31	<0.5	34	73	128	5.21	10
ZZ122768	0.39	<0.2	3.33	5	<10	40	<0.5	<2	1.34	<0.5	37	71	169	5.52	10
ZZ122769	0.23	<0.2	1.92	18	<10	90	<0.5	<2	0.61	<0.5	19	47	68	3.83	10
ZZ122771	0.37	<0.2	2.89	4	10	50	<0.5	<2	1.44	<0.5	29	65	147	5.30	10
ZZ122772	0.22	<0.2	3.06	6	<10	100	<0.5	<2	1.35	<0.5	30	71	209	5.07	10
ZZ122773	0.25	<0.2	1.50	10	<10	110	<0.5	<2	1.14	0.5	15	40	74	3.10	10
ZZ122774	0.29	<0.2	2.17	16	<10	110	<0.5	2	0.86	<0.5	33	49	115	4.32	10
ZZ122775	0.34	<0.2	3.20	6	<10	50	<0.5	<2	1.85	<0.5	31	58	128	4.97	10
ZZ122776	0.39	<0.2	3.69	5	20	90	<0.5	<2	1.27	<0.5	40	97	97	6.51	10
ZZ122777	0.27	<0.2	3.08	10	<10	80	<0.5	<2	1.14	<0.5	33	70	123	5.43	10
ZZ122778	0.25	<0.2	2.71	14	<10	90	<0.5	<2	0.94	<0.5	29	60	80	5.15	10
ZZ122779	0.39	<0.2	2.99	8	<10	70	<0.5	3	0.94	<0.5	26	68	90	5.50	10
ZZ122780	0.43	<0.2	3.16	6	<10	40	<0.5	<2	1.83	<0.5	26	107	192	4.75	10
ZZ122781	0.31	<0.2	2.62	13	<10	80	<0.5	<2	1.14	<0.5	23	51	128	4.34	10
ZZ122782	0.40	<0.2	2.38	8	<10	70	<0.5	<2	1.39	<0.5	22	43	104	3.97	10
ZZ122783	0.54	<0.2	3.73	<2	<10	20	<0.5	<2	1.86	<0.5	36	62	172	5.59	10
ZZ122784	0.25	<0.2	3.17	13	<10	110	<0.5	3	1.05	<0.5	27	81	90	5.17	10
ZZ122785	0.32	<0.2	2.70	9	<10	80	<0.5	<2	1.26	<0.5	25	54	104	4.71	10
ZZ122786	0.31	<0.2	2.98	2	<10	20	<0.5	4	1.73	<0.5	27	70	304	4.26	10
ZZ122787	0.51	<0.2	3.79	2	<10	10	<0.5	<2	2.80	<0.5	34	97	312	4.75	10
ZZ122788	0.37	<0.2	3.78	6	<10	40	<0.5	<2	1.31	<0.5	37	140	229	5.68	10
ZZ122789	0.52	<0.2	2.94	6	<10	60	<0.5	2	1.39	<0.5	30	61	153	5.02	10
ZZ122790	0.45	<0.2	4.25	4	<10	40	<0.5	<2	2.55	<0.5	41	57	265	6.52	10



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122750		<1	0.05	<10	2.70	1055	2	0.02	71	660	6	0.04	<2	11	42	<20
ZZ122751		1	0.07	10	2.27	1050	2	0.02	63	700	4	0.06	<2	11	44	<20
ZZ122752		1	0.06	<10	2.91	1320	2	0.01	77	750	5	0.05	<2	12	31	<20
ZZ122753		<1	0.06	10	2.27	1140	1	0.02	61	610	5	0.05	<2	13	30	<20
ZZ122754		<1	0.05	10	1.61	858	1	0.02	45	720	7	0.10	2	8	39	<20
ZZ122755		1	0.07	10	1.77	996	2	0.02	66	640	6	0.07	<2	12	31	<20
ZZ122756		1	0.05	<10	2.71	929	1	0.01	63	600	5	0.12	<2	13	31	<20
ZZ122757		1	0.09	10	2.03	995	1	0.02	66	560	5	0.12	<2	11	36	<20
ZZ122758		1	0.05	10	2.27	822	1	0.02	62	620	4	0.08	<2	10	29	<20
ZZ122759		1	0.06	<10	2.83	1040	1	0.01	72	610	4	0.07	<2	14	32	<20
ZZ122760		<1	0.03	10	2.37	2060	2	0.02	68	530	5	0.07	<2	13	38	<20
ZZ122761		<1	0.06	10	1.07	911	3	0.03	44	870	7	0.11	<2	5	35	<20
ZZ122762		<1	0.05	10	1.69	959	1	0.02	59	630	4	0.06	<2	10	29	<20
ZZ122763		<1	0.06	<10	2.60	997	1	0.02	57	550	<2	0.07	<2	9	36	<20
ZZ122764		1	0.05	10	1.20	734	1	0.02	43	1140	3	0.14	<2	4	33	<20
ZZ122765		<1	0.04	<10	2.78	943	<1	0.02	69	590	<2	0.07	<2	11	32	<20
ZZ122766		<1	0.09	10	2.12	1090	1	0.02	49	780	2	0.05	<2	12	33	<20
ZZ122767		1	0.05	<10	2.50	1000	1	0.02	60	510	<2	0.03	2	11	29	<20
ZZ122768		<1	0.04	<10	3.26	1065	1	0.02	73	530	2	0.02	<2	13	44	<20
ZZ122769		1	0.07	10	1.14	623	3	0.04	51	880	7	0.10	<2	5	36	<20
ZZ122771		1	0.04	<10	2.51	856	1	0.02	59	610	<2	0.03	<2	11	28	<20
ZZ122772		<1	0.08	10	2.77	1060	1	0.03	68	540	2	0.07	<2	12	37	<20
ZZ122773		<1	0.06	10	0.88	584	2	0.03	38	890	5	0.14	<2	3	33	<20
ZZ122774		1	0.05	10	1.22	873	2	0.03	51	620	5	0.10	<2	6	34	<20
ZZ122775		1	0.11	10	2.11	1120	1	0.03	71	720	2	0.08	<2	10	126	<20
ZZ122776		<1	0.07	10	3.36	1130	1	0.02	69	800	3	0.07	<2	17	67	<20
ZZ122777		<1	0.07	10	2.37	1210	2	0.02	68	850	<2	0.08	<2	13	74	<20
ZZ122778		<1	0.08	10	1.78	1430	2	0.02	65	1120	4	0.11	<2	10	39	<20
ZZ122779		<1	0.09	10	2.18	1040	1	0.02	65	750	4	0.04	<2	13	33	<20
ZZ122780		<1	0.04	10	2.21	1030	1	0.03	56	630	<2	0.05	<2	14	44	<20
ZZ122781		<1	0.05	10	1.56	808	2	0.03	55	740	4	0.08	<2	10	37	<20
ZZ122782		<1	0.07	10	1.62	736	1	0.03	54	750	4	0.08	<2	9	38	<20
ZZ122783		<1	0.02	<10	3.14	1085	<1	0.02	63	310	<2	0.02	<2	14	23	<20
ZZ122784		1	0.12	10	1.72	808	2	0.02	62	640	4	0.07	<2	9	38	<20
ZZ122785		<1	0.05	10	1.78	774	2	0.02	55	740	4	0.08	<2	9	39	<20
ZZ122786		1	0.05	<10	2.37	676	<1	0.01	58	430	<2	0.03	<2	13	29	<20
ZZ122787		1	0.02	<10	3.06	1305	<1	0.01	88	470	<2	0.02	<2	15	43	<20
ZZ122788		1	0.05	10	3.01	1020	1	0.02	91	580	<2	0.06	<2	14	45	<20
ZZ122789		<1	0.07	10	2.56	935	1	0.02	66	760	<2	0.05	<2	11	37	<20
ZZ122790		1	0.03	<10	3.71	1365	<1	0.01	72	330	<2	0.02	<2	17	24	<20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122750		0.19	<10	<10	144	<10	80	0.032
ZZ122751		0.18	<10	<10	132	<10	80	0.039
ZZ122752		0.24	<10	<10	157	<10	80	0.028
ZZ122753		0.23	<10	<10	155	<10	84	0.170
ZZ122754		0.17	<10	<10	112	<10	77	0.010
ZZ122755		0.16	<10	<10	116	<10	92	0.126
ZZ122756		0.21	<10	<10	153	<10	82	0.106
ZZ122757		0.20	<10	<10	124	<10	89	0.120
ZZ122758		0.27	<10	<10	135	<10	89	0.148
ZZ122759		0.36	<10	<10	171	<10	93	0.030
ZZ122760		0.26	<10	<10	141	<10	89	0.074
ZZ122761		0.12	10	<10	94	<10	90	0.011
ZZ122762		0.18	<10	<10	131	<10	84	0.013
ZZ122763		0.34	<10	<10	145	<10	97	0.050
ZZ122764		0.09	<10	<10	87	<10	62	0.006
ZZ122765		0.17	<10	<10	144	<10	80	0.011
ZZ122766		0.23	10	<10	157	<10	83	0.022
ZZ122767		0.17	<10	<10	139	<10	72	0.035
ZZ122768		0.21	<10	<10	140	<10	79	0.007
ZZ122769		0.10	<10	<10	75	<10	105	0.009
ZZ122771		0.32	10	<10	145	<10	78	0.075
ZZ122772		0.20	<10	<10	111	<10	95	0.008
ZZ122773		0.09	<10	<10	66	<10	83	<0.005
ZZ122774		0.14	10	<10	93	<10	92	0.007
ZZ122775		0.21	<10	<10	111	<10	82	0.007
ZZ122776		0.25	<10	<10	142	<10	111	0.009
ZZ122777		0.18	<10	<10	115	<10	96	0.008
ZZ122778		0.15	<10	<10	118	<10	108	0.005
ZZ122779		0.24	10	<10	140	<10	88	<0.005
ZZ122780		0.20	<10	<10	112	<10	80	0.006
ZZ122781		0.20	<10	<10	111	<10	87	0.008
ZZ122782		0.16	10	<10	90	<10	76	0.009
ZZ122783		0.34	<10	<10	131	<10	81	0.007
ZZ122784		0.23	<10	<10	128	<10	107	<0.005
ZZ122785		0.22	<10	<10	114	<10	91	0.005
ZZ122786		0.34	10	<10	122	<10	59	0.006
ZZ122787		0.26	<10	<10	123	<10	81	0.014
ZZ122788		0.36	<10	<10	140	<10	85	0.008
ZZ122789		0.25	<10	<10	115	<10	88	0.010
ZZ122790		0.33	10	<10	155	<10	118	<0.005



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Sample Description	Method	WEI- 21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122791		0.43	<0.2	4.63	<2	<10	50	<0.5	<2	2.76	<0.5	41	140	367	7.95	10
ZZ122792		0.47	<0.2	2.49	7	<10	40	<0.5	<2	5.76	<0.5	38	66	256	6.26	10
ZZ122793		0.24	<0.2	2.78	10	<10	90	<0.5	<2	0.89	<0.5	28	84	210	5.08	10
ZZ122794		0.42	<0.2	1.53	13	<10	10	0.5	<2	4.15	1.4	15	39	92	4.37	<10
ZZ122795		0.21	<0.2	1.99	20	<10	130	<0.5	<2	0.64	<0.5	20	48	49	4.24	10
ZZ122796		0.18	<0.2	2.05	15	<10	110	<0.5	<2	0.66	<0.5	23	54	120	4.14	10
ZZ122797		0.27	<0.2	1.46	15	<10	80	<0.5	<2	0.45	<0.5	13	34	51	2.75	10
ZZ122798		0.26	<0.2	2.17	14	<10	120	<0.5	<2	0.81	<0.5	24	64	132	4.31	10
ZZ122799		0.27	<0.2	0.88	8	<10	90	<0.5	<2	1.17	<0.5	11	23	37	2.40	<10
ZZ122800		0.35	<0.2	1.41	14	<10	110	<0.5	<2	0.76	<0.5	17	46	42	3.30	<10
ZZ122801		0.26	<0.2	0.78	6	<10	110	<0.5	<2	0.80	<0.5	8	21	30	1.71	<10
ZZ122802		0.23	<0.2	0.96	8	<10	110	<0.5	<2	1.02	<0.5	11	27	38	2.15	<10
ZZ122803		0.27	<0.2	1.28	18	<10	90	<0.5	<2	1.23	<0.5	18	39	71	3.05	<10
ZZ122804		0.24	<0.2	0.27	5	<10	20	<0.5	<2	0.20	<0.5	3	6	8	0.90	<10
ZZ122805		0.36	0.2	1.89	17	<10	100	<0.5	2	0.51	<0.5	18	59	64	3.92	<10
ZZ122806		0.26	<0.2	0.89	10	<10	100	<0.5	2	0.72	<0.5	12	21	60	2.89	<10
ZZ122807		0.42	0.2	1.52	34	<10	100	<0.5	<2	0.75	<0.5	25	49	87	3.86	<10
ZZ122808		0.27	0.2	1.47	18	<10	100	<0.5	<2	0.87	<0.5	19	48	51	3.30	<10
ZZ122809		0.15	0.3	0.78	10	10	80	<0.5	<2	2.41	<0.5	10	26	48	1.75	<10
ZZ122810		0.17	<0.2	1.23	17	<10	90	<0.5	<2	1.84	<0.5	16	41	72	2.59	<10
ZZ122811		0.25	0.2	1.79	18	<10	120	<0.5	<2	0.77	<0.5	20	48	51	3.58	<10
ZZ122812		0.20	<0.2	0.95	16	<10	60	<0.5	<2	1.50	<0.5	15	25	47	2.65	<10
ZZ122813		0.25	<0.2	0.97	13	<10	80	<0.5	<2	0.74	<0.5	13	22	45	2.54	<10
ZZ122814		0.23	0.2	0.97	10	<10	100	<0.5	<2	1.58	<0.5	12	22	38	2.18	<10
ZZ122815		0.25	0.4	0.83	31	<10	50	<0.5	<2	2.35	<0.5	16	17	57	2.92	<10
ZZ122816		0.38	0.5	1.13	53	<10	40	<0.5	<2	0.89	<0.5	25	20	85	5.30	<10
ZZ122817		0.33	0.5	2.03	90	<10	70	<0.5	<2	1.43	0.6	29	91	115	4.71	<10
ZZ122818		0.26	0.5	1.45	50	<10	70	<0.5	<2	0.82	<0.5	30	37	95	5.32	<10
ZZ122819		0.31	<0.2	0.98	14	<10	70	<0.5	<2	0.38	<0.5	13	29	23	2.39	<10
ZZ122820		0.38	<0.2	1.77	23	<10	100	<0.5	<2	0.67	<0.5	22	58	45	4.36	<10
ZZ122821		0.29	0.2	1.40	18	<10	160	<0.5	<2	1.25	<0.5	24	42	77	3.67	<10
ZZ122822		0.35	0.2	1.64	21	<10	120	<0.5	<2	0.83	<0.5	20	46	47	3.86	<10
ZZ122823		0.25	<0.2	1.24	8	<10	90	<0.5	<2	0.77	<0.5	14	38	32	2.75	<10
ZZ122824		0.20	0.2	1.06	13	10	140	<0.5	<2	1.71	0.6	14	25	56	2.10	<10
ZZ122826		0.40	0.2	1.13	11	<10	80	<0.5	<2	1.45	<0.5	14	41	41	3.05	<10
ZZ122827		0.24	0.4	1.68	27	<10	70	<0.5	<2	1.98	<0.5	24	71	90	3.81	<10
ZZ122828		0.27	0.3	2.09	43	<10	60	<0.5	<2	1.42	0.5	38	109	111	5.45	<10
ZZ122829		0.38	0.6	2.86	35	<10	90	<0.5	<2	2.29	1.0	60	232	198	7.23	10
ZZ122830		0.27	0.6	2.37	30	<10	80	<0.5	<2	1.65	0.6	36	108	149	5.62	10
ZZ122831		0.28	0.8	2.23	47	<10	80	<0.5	<2	1.21	0.8	33	98	156	5.65	10



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122791		<1	0.11	<10	4.47	1075	<1	0.01	86	580	<2	0.01	<2	14	32	<20
ZZ122792		<1	0.10	<10	2.04	1105	4	0.01	65	1300	<2	0.01	<2	17	89	<20
ZZ122793		1	0.08	10	2.38	1040	1	0.03	66	720	3	0.05	<2	13	36	<20
ZZ122794		<1	0.04	10	1.40	266	9	0.01	69	1170	3	0.07	<2	4	39	<20
ZZ122795		<1	0.07	10	1.00	748	3	0.02	45	850	7	0.10	<2	3	35	<20
ZZ122796		<1	0.07	10	1.16	848	2	0.03	52	740	7	0.11	<2	7	31	<20
ZZ122797		<1	0.05	10	0.76	406	2	0.03	32	540	6	0.08	<2	3	25	<20
ZZ122798		<1	0.07	10	1.56	834	1	0.02	49	700	5	0.08	2	8	32	<20
ZZ122799		<1	0.04	10	0.39	585	1	0.01	19	820	5	0.09	<2	2	47	<20
ZZ122800		<1	0.05	10	0.83	812	1	0.01	34	780	6	0.07	<2	4	34	<20
ZZ122801		<1	0.04	10	0.39	227	1	0.01	17	720	3	0.10	<2	2	40	<20
ZZ122802		<1	0.05	10	0.59	376	1	0.02	26	640	4	0.10	<2	2	47	<20
ZZ122803		<1	0.05	10	0.86	803	1	0.02	41	750	6	0.09	<2	5	47	<20
ZZ122804		<1	0.03	<10	0.11	173	<1	0.03	4	270	2	0.02	<2	1	13	<20
ZZ122805		<1	0.06	10	1.16	576	1	0.01	46	500	8	0.04	<2	6	26	<20
ZZ122806		<1	0.04	10	0.37	610	1	0.02	21	900	8	0.09	2	2	35	<20
ZZ122807		<1	0.05	10	0.90	1020	1	0.01	51	760	10	0.07	<2	7	32	<20
ZZ122808		<1	0.05	10	0.89	689	1	0.01	39	710	8	0.07	<2	4	36	<20
ZZ122809		1	0.04	10	0.53	334	1	0.01	27	890	4	0.17	<2	2	72	<20
ZZ122810		<1	0.04	10	0.82	505	1	0.01	39	760	6	0.13	<2	3	55	<20
ZZ122811		1	0.04	10	0.89	621	1	0.01	43	640	8	0.07	<2	4	35	<20
ZZ122812		1	0.03	10	0.53	512	1	0.01	34	680	6	0.11	<2	2	46	<20
ZZ122813		1	0.03	10	0.36	535	1	0.02	26	590	6	0.06	2	2	33	<20
ZZ122814		1	0.03	10	0.47	379	1	0.02	23	770	4	0.13	<2	2	57	<20
ZZ122815		1	0.02	<10	0.49	549	1	0.01	38	830	9	0.21	<2	2	79	<20
ZZ122816		1	0.03	<10	0.70	654	2	0.01	54	770	13	0.31	<2	4	34	<20
ZZ122817		1	0.04	10	1.66	596	3	0.01	87	1000	13	0.10	2	7	49	<20
ZZ122818		<1	0.05	10	0.83	676	2	0.01	77	670	12	0.10	<2	6	33	<20
ZZ122819		<1	0.04	<10	0.54	452	1	0.02	20	500	4	0.05	<2	2	21	<20
ZZ122820		1	0.05	10	1.10	720	2	0.01	42	640	8	0.06	<2	5	30	<20
ZZ122821		<1	0.04	10	0.79	2590	1	0.01	52	770	7	0.09	<2	5	39	<20
ZZ122822		<1	0.05	10	0.89	718	2	0.01	39	700	7	0.07	<2	4	37	<20
ZZ122823		<1	0.05	10	0.69	466	1	0.02	28	780	5	0.06	2	3	33	<20
ZZ122824		<1	0.05	10	0.52	1520	2	0.02	33	900	5	0.15	<2	2	66	<20
ZZ122826		<1	0.03	<10	0.78	652	1	0.02	30	850	5	0.11	2	3	52	<20
ZZ122827		<1	0.04	10	1.34	647	2	0.01	67	850	6	0.13	3	5	58	<20
ZZ122828		<1	0.04	10	1.90	1195	3	0.01	104	560	10	0.13	<2	8	40	<20
ZZ122829		<1	0.05	<10	2.91	1155	5	<0.01	227	710	5	0.28	3	10	58	<20
ZZ122830		1	0.05	<10	2.09	1040	3	0.01	108	750	5	0.13	2	9	43	<20
ZZ122831		<1	0.04	10	1.89	736	5	0.01	100	720	11	0.13	2	8	40	<20



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
	Analyte	Ti	Ti	U	V	W	Zn	Au
Units		%	ppm	ppm	ppm	ppm	ppm	ppm
LOR		0.01	10	10	1	10	2	0.005
ZZ122791		0.02	<10	<10	160	<10	89	0.020
ZZ122792		<0.01	10	<10	91	<10	71	0.005
ZZ122793		0.18	<10	<10	114	<10	95	0.030
ZZ122794		0.08	<10	<10	33	<10	118	0.007
ZZ122795		0.09	<10	<10	86	<10	105	0.005
ZZ122796		0.11	<10	<10	87	<10	100	0.009
ZZ122797		0.09	<10	<10	57	<10	71	0.007
ZZ122798		0.14	<10	<10	97	<10	80	0.009
ZZ122799		0.07	<10	<10	53	<10	48	0.008
ZZ122800		0.07	<10	<10	66	<10	84	0.026
ZZ122801		0.05	<10	<10	35	<10	40	<0.005
ZZ122802		0.07	<10	<10	46	<10	68	<0.005
ZZ122803		0.06	<10	<10	52	<10	90	0.044
ZZ122804		0.04	<10	<10	19	<10	22	0.005
ZZ122805		0.10	<10	<10	78	<10	79	0.024
ZZ122806		0.08	<10	<10	72	<10	53	0.005
ZZ122807		0.05	<10	<10	54	<10	107	0.048
ZZ122808		0.06	<10	<10	62	<10	73	0.013
ZZ122809		0.03	<10	<10	29	<10	50	0.012
ZZ122810		0.04	<10	<10	41	<10	62	0.019
ZZ122811		0.05	<10	<10	60	<10	74	0.018
ZZ122812		0.04	<10	<10	36	<10	60	0.012
ZZ122813		0.04	<10	<10	32	<10	60	0.010
ZZ122814		0.04	<10	<10	37	<10	49	0.007
ZZ122815		0.02	<10	<10	22	<10	84	0.068
ZZ122816		0.02	<10	<10	28	<10	144	0.135
ZZ122817		0.02	<10	<10	63	<10	140	0.020
ZZ122818		0.04	<10	<10	46	<10	189	0.068
ZZ122819		0.05	<10	<10	46	<10	58	0.008
ZZ122820		0.07	<10	<10	69	<10	90	0.021
ZZ122821		0.06	<10	<10	57	<10	76	0.013
ZZ122822		0.06	<10	<10	59	<10	98	0.035
ZZ122823		0.07	<10	<10	58	<10	85	0.012
ZZ122824		0.04	<10	<10	32	<10	90	0.007
ZZ122826		0.07	<10	<10	74	<10	86	0.012
ZZ122827		0.04	<10	<10	60	<10	87	0.011
ZZ122828		0.04	<10	<10	76	<10	104	0.013
ZZ122829		0.03	<10	<10	99	<10	107	0.011
ZZ122830		0.07	<10	<10	106	<10	91	0.009
ZZ122831		0.05	<10	<10	87	<10	158	0.017



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Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %	ME- ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122832	0.24	1.2	2.48	20	<10	80	<0.5	<2	1.31	1.2	29	160	150	5.34	10
ZZ122833	0.27	0.4	1.81	28	<10	100	<0.5	<2	0.93	0.5	19	58	61	3.79	10
ZZ122834	0.21	0.3	1.64	51	<10	90	<0.5	<2	1.08	0.6	23	51	105	4.29	<10
ZZ122835	0.31	0.2	2.20	19	<10	100	<0.5	<2	1.17	<0.5	26	71	118	4.05	10
ZZ122836	0.23	0.2	2.29	34	<10	50	<0.5	<2	0.80	<0.5	24	62	90	4.81	10
ZZ122837	0.37	<0.2	3.71	7	<10	60	<0.5	<2	1.28	<0.5	39	154	150	5.87	10
ZZ122838	0.35	<0.2	3.57	20	<10	60	<0.5	<2	1.38	<0.5	60	148	322	6.70	10
ZZ122839	0.23	0.2	2.51	7	10	60	<0.5	<2	1.74	<0.5	28	100	213	4.44	10
ZZ122840	0.37	<0.2	3.40	6	<10	80	<0.5	<2	0.99	<0.5	38	133	183	6.03	10
ZZ122841	0.44	<0.2	3.13	8	<10	90	<0.5	<2	1.12	<0.5	36	137	209	5.49	10
ZZ122842	0.22	<0.2	2.15	10	<10	70	<0.5	<2	1.49	<0.5	24	83	156	3.75	10
ZZ122843	0.12	0.2	1.85	8	<10	90	<0.5	<2	2.17	<0.5	22	78	130	3.16	10
ZZ122844	0.22	<0.2	3.02	9	<10	90	<0.5	<2	1.84	<0.5	32	148	151	5.01	10
ZZ122845	0.16	0.2	1.16	9	<10	90	<0.5	<2	2.00	<0.5	16	41	76	2.69	<10
ZZ122846	0.22	0.8	2.26	40	<10	80	<0.5	<2	1.77	1.3	48	179	167	5.05	10
ZZ122847	0.22	0.4	1.59	39	<10	80	<0.5	<2	1.80	<0.5	29	65	74	5.52	<10
ZZ122848	0.26	0.2	1.51	28	<10	70	<0.5	<2	0.88	<0.5	22	49	75	4.17	<10
ZZ122849	0.28	0.2	2.61	34	<10	50	<0.5	<2	1.00	<0.5	35	114	125	5.83	10
ZZ122850	0.15	<0.2	2.43	70	<10	70	<0.5	<2	0.95	<0.5	31	113	142	5.06	10
ZZ122851	0.22	0.2	2.25	16	<10	100	<0.5	<2	1.04	<0.5	25	102	111	4.03	10
ZZ122852	0.19	<0.2	2.61	23	<10	80	<0.5	<2	1.31	<0.5	32	124	137	4.82	10
ZZ122853	0.22	<0.2	1.62	20	<10	80	<0.5	<2	1.06	<0.5	17	53	76	3.08	10
ZZ122854	0.23	0.2	1.47	17	<10	80	<0.5	<2	0.69	<0.5	19	39	104	2.98	<10
ZZ122855	0.22	0.2	3.28	18	<10	50	<0.5	<2	1.17	<0.5	37	152	329	5.67	10
ZZ122856	0.15	0.2	2.51	16	10	60	<0.5	<2	1.11	<0.5	28	77	160	4.62	10
ZZ122857	0.19	0.2	2.67	11	<10	60	<0.5	<2	1.14	<0.5	32	119	266	5.18	10
ZZ122858	0.40	<0.2	3.01	6	<10	60	<0.5	<2	0.96	<0.5	34	156	204	5.48	10
ZZ122859	0.39	<0.2	3.13	5	<10	20	<0.5	<2	0.99	<0.5	34	189	199	5.65	10
ZZ122860	0.26	0.2	3.15	7	<10	110	<0.5	<2	1.28	<0.5	39	182	444	5.57	10
ZZ122861	0.26	<0.2	2.99	8	<10	90	<0.5	<2	1.34	<0.5	34	106	264	4.75	10
ZZ122862	0.50	1.3	2.29	43	<10	40	<0.5	<2	4.15	0.9	39	206	161	5.32	10
ZZ122863	0.25	0.5	2.89	23	<10	110	<0.5	<2	1.51	0.6	34	172	198	5.21	10
ZZ122864	0.37	<0.2	3.49	16	<10	60	<0.5	<2	1.25	<0.5	43	188	181	6.40	10
ZZ122865	0.29	0.8	1.71	153	<10	80	<0.5	<2	1.65	0.9	37	90	195	5.76	<10
ZZ122866	0.29	0.7	1.46	47	<10	200	<0.5	<2	1.66	0.9	31	69	124	5.25	<10
ZZ122867	0.31	0.4	1.58	35	<10	130	<0.5	<2	1.58	0.8	25	66	83	3.60	<10
ZZ122868	0.22	0.2	1.97	15	<10	120	<0.5	<2	1.69	<0.5	22	58	110	3.53	10
ZZ122869	0.20	<0.2	3.16	24	<10	100	<0.5	<2	1.23	<0.5	35	111	186	5.33	10
ZZ122870	0.21	0.2	3.35	18	<10	90	<0.5	<2	1.08	<0.5	37	121	163	5.62	10
ZZ122871	0.30	<0.2	2.54	10	<10	100	<0.5	<2	0.97	<0.5	32	79	122	4.52	10



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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122832		1	0.05	10	2.45	744	6	0.01	104	890	4	0.12	<2	9	45	<20
ZZ122833		<1	0.05	10	1.06	621	3	0.01	43	1000	8	0.11	2	4	42	<20
ZZ122834		<1	0.05	10	1.27	550	2	0.01	65	730	12	0.11	<2	6	34	<20
ZZ122835		1	0.06	10	1.70	922	2	0.01	50	900	7	0.11	<2	5	37	<20
ZZ122836		<1	0.06	10	1.65	555	1	<0.01	62	530	12	0.13	<2	5	25	<20
ZZ122837		<1	0.06	<10	4.22	936	<1	<0.01	89	600	<2	0.04	<2	12	28	<20
ZZ122838		1	0.05	<10	3.55	1545	1	0.01	96	640	<2	0.08	<2	11	25	<20
ZZ122839		1	0.06	<10	2.52	840	<1	0.01	56	610	<2	0.10	2	9	32	<20
ZZ122840		<1	0.08	<10	3.59	1135	<1	0.01	73	660	<2	0.05	<2	12	26	<20
ZZ122841		<1	0.08	<10	3.29	1260	1	0.01	75	780	<2	0.06	2	9	29	<20
ZZ122842		<1	0.05	10	2.02	779	1	0.01	58	770	2	0.11	<2	5	35	<20
ZZ122843		1	0.06	10	1.73	695	1	0.01	52	920	<2	0.14	<2	5	43	<20
ZZ122844		1	0.05	<10	3.14	983	1	0.01	78	640	2	0.13	<2	8	35	<20
ZZ122845		<1	0.04	10	0.79	452	1	0.01	35	710	3	0.15	<2	2	41	<20
ZZ122846		1	0.03	10	2.06	990	7	<0.01	221	720	7	0.16	3	8	35	<20
ZZ122847		1	0.03	10	1.14	1045	2	<0.01	81	700	17	0.17	4	5	43	<20
ZZ122848		<1	0.04	10	0.94	834	1	0.01	55	610	11	0.10	<2	5	30	<20
ZZ122849		<1	0.03	10	2.02	935	1	0.01	72	560	9	0.15	<2	10	27	<20
ZZ122850		<1	0.05	<10	2.31	843	1	0.01	69	620	2	0.12	<2	12	28	<20
ZZ122851		<1	0.05	10	1.93	806	1	0.01	48	600	3	0.08	<2	7	29	<20
ZZ122852		1	0.05	<10	2.50	901	1	0.01	65	710	2	0.10	<2	9	33	<20
ZZ122853		<1	0.04	10	1.02	596	1	0.02	35	650	3	0.10	2	4	32	<20
ZZ122854		<1	0.06	10	0.78	587	2	0.02	33	800	6	0.12	2	2	28	<20
ZZ122855		1	0.04	<10	3.04	983	1	0.01	73	500	<2	0.07	<2	8	25	<20
ZZ122856		<1	0.06	10	1.99	874	1	0.01	52	650	4	0.10	<2	6	27	<20
ZZ122857		1	0.06	<10	2.22	1005	<1	0.01	61	550	4	0.08	<2	7	30	<20
ZZ122858		<1	0.06	<10	3.09	906	<1	0.01	70	410	3	0.05	<2	7	23	<20
ZZ122859		<1	0.06	<10	3.31	868	<1	0.01	76	360	<2	0.03	<2	8	22	<20
ZZ122860		1	0.06	<10	3.34	1050	<1	0.01	76	600	2	0.07	<2	7	24	<20
ZZ122861		<1	0.07	<10	3.11	1055	<1	0.01	67	610	<2	0.07	<2	8	32	<20
ZZ122862		1	0.04	<10	2.51	676	2	<0.01	188	1070	7	0.17	3	9	113	<20
ZZ122863		1	0.07	<10	3.03	964	3	0.01	107	690	2	0.11	<2	11	37	<20
ZZ122864		<1	0.05	<10	3.66	958	1	<0.01	99	590	3	0.07	<2	11	27	<20
ZZ122865		1	0.04	<10	1.83	623	4	<0.01	134	810	17	0.31	3	7	42	<20
ZZ122866		<1	0.04	<10	1.79	504	5	<0.01	95	840	21	0.25	6	6	35	<20
ZZ122867		<1	0.04	10	1.04	998	2	0.01	75	940	12	0.14	<2	4	50	<20
ZZ122868		<1	0.05	10	1.48	955	1	0.02	44	830	6	0.14	2	4	45	<20
ZZ122869		<1	0.07	10	2.96	1065	1	0.01	71	670	2	0.08	<2	10	31	<20
ZZ122870		1	0.06	<10	3.29	1135	1	0.01	76	550	3	0.07	<2	11	28	<20
ZZ122871		1	0.05	10	2.30	1075	2	0.01	57	680	5	0.07	<2	7	30	<20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	Au- AA24
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122832		0.07	<10	<10	131	<10	152	0.010
ZZ122833		0.05	<10	<10	70	<10	104	0.006
ZZ122834		0.04	<10	<10	66	<10	121	0.015
ZZ122835		0.06	<10	<10	87	<10	80	0.009
ZZ122836		0.03	<10	<10	59	<10	128	0.018
ZZ122837		0.24	<10	<10	167	<10	74	0.010
ZZ122838		0.19	<10	<10	161	<10	90	0.014
ZZ122839		0.20	<10	<10	122	<10	78	0.022
ZZ122840		0.27	<10	<10	169	<10	92	0.029
ZZ122841		0.24	<10	<10	139	<10	94	0.018
ZZ122842		0.16	<10	<10	87	<10	74	0.015
ZZ122843		0.08	<10	<10	71	<10	62	0.010
ZZ122844		0.09	<10	<10	118	<10	64	0.017
ZZ122845		0.08	<10	<10	64	<10	67	<0.005
ZZ122846		0.02	<10	<10	81	<10	113	0.009
ZZ122847		0.02	<10	<10	41	<10	120	0.009
ZZ122848		0.02	<10	<10	44	<10	94	0.008
ZZ122849		0.02	<10	<10	81	<10	106	0.012
ZZ122850		0.13	<10	<10	118	<10	75	0.228
ZZ122851		0.11	<10	<10	103	<10	66	0.029
ZZ122852		0.12	<10	<10	118	<10	84	0.042
ZZ122853		0.08	<10	<10	68	<10	57	0.031
ZZ122854		0.07	<10	<10	59	<10	69	0.012
ZZ122855		0.28	<10	<10	151	<10	94	0.011
ZZ122856		0.21	<10	<10	116	<10	86	0.011
ZZ122857		0.23	<10	<10	133	<10	90	0.011
ZZ122858		0.35	<10	<10	157	<10	80	0.016
ZZ122859		0.42	<10	<10	174	<10	80	0.008
ZZ122860		0.22	<10	<10	152	<10	95	0.013
ZZ122861		0.16	<10	<10	116	<10	96	0.017
ZZ122862		0.08	<10	<10	102	<10	159	0.024
ZZ122863		0.13	<10	<10	141	<10	92	0.022
ZZ122864		0.23	<10	<10	160	<10	93	0.013
ZZ122865		0.05	<10	<10	65	<10	194	0.087
ZZ122866		0.01	<10	<10	47	<10	168	0.032
ZZ122867		0.03	<10	<10	47	<10	94	0.010
ZZ122868		0.07	<10	<10	77	<10	68	0.006
ZZ122869		0.11	<10	<10	127	<10	81	0.022
ZZ122870		0.13	<10	<10	142	<10	78	0.014
ZZ122871		0.11	<10	<10	109	<10	79	0.012



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Sample Description	Method Analyte Units LOR	WEI- 21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
ZZ122872		0.42	<0.2	4.36	10	<10	20	<0.5	<2	1.13	<0.5	44	161	94	6.83	10
ZZ122873		0.42	<0.2	3.98	8	<10	90	<0.5	<2	1.30	<0.5	42	159	168	6.75	10
ZZ122874		0.21	0.2	2.86	30	10	110	<0.5	<2	1.93	0.5	36	97	153	5.07	10
ZZ122875		0.34	<0.2	3.17	13	<10	90	<0.5	<2	1.46	<0.5	37	126	263	5.71	10
ZZ122876		0.46	<0.2	3.39	12	<10	60	<0.5	<2	0.95	<0.5	40	129	212	6.18	10
ZZ122877		0.30	<0.2	2.49	32	<10	120	<0.5	<2	0.85	<0.5	31	108	179	5.09	10
ZZ122878		0.35	<0.2	3.16	15	10	70	<0.5	<2	1.17	<0.5	37	117	205	5.62	10
ZZ122879		0.31	0.2	2.81	8	<10	90	<0.5	<2	1.11	<0.5	33	109	216	4.90	10
ZZ122880		0.26	<0.2	2.43	14	<10	90	<0.5	<2	1.32	<0.5	30	84	135	4.36	10
ZZ122881		0.36	<0.2	2.98	3	<10	50	<0.5	<2	1.74	<0.5	38	63	183	5.57	10
ZZ122882		0.34	<0.2	3.21	16	<10	60	<0.5	<2	0.94	<0.5	40	113	216	5.94	10
ZZ122883		0.38	<0.2	2.88	7	10	100	<0.5	<2	1.24	<0.5	35	120	243	4.89	10
ZZ122884		0.22	<0.2	2.33	5	<10	70	<0.5	<2	2.24	<0.5	29	89	165	3.99	10
ZZ122885		0.38	<0.2	5.04	48	<10	10	<0.5	<2	1.38	<0.5	63	324	227	8.51	10
ZZ122886		0.31	<0.2	2.75	10	<10	80	<0.5	<2	1.65	<0.5	31	108	149	4.89	10
ZZ122887		0.18	<0.2	1.79	8	<10	70	<0.5	<2	1.62	<0.5	23	78	147	3.26	10
ZZ122888		0.28	<0.2	3.41	5	<10	60	<0.5	<2	1.20	<0.5	36	112	184	5.03	10
ZZ122889		0.23	0.2	3.03	11	<10	50	<0.5	<2	1.19	<0.5	35	116	219	5.44	10
ZZ122890		0.29	<0.2	3.22	17	<10	70	<0.5	<2	1.18	<0.5	41	105	262	5.80	10
ZZ122891		0.34	0.2	3.32	37	<10	70	<0.5	<2	1.21	<0.5	49	147	283	5.89	10
ZZ122892		0.45	0.2	2.91	6	<10	20	<0.5	<2	1.10	<0.5	34	82	211	5.53	10
ZZ122893		0.31	0.7	3.03	23	<10	80	<0.5	<2	1.35	1.6	105	79	670	8.89	10
ZZ122894		0.22	0.2	2.84	11	<10	60	<0.5	<2	0.92	<0.5	33	96	228	5.23	10
ZZ122895		0.31	<0.2	3.68	6	<10	50	<0.5	<2	0.98	<0.5	45	191	212	6.29	10
ZZ122896		0.24	0.2	2.79	21	<10	100	<0.5	<2	0.87	<0.5	35	150	281	5.47	10
ZZ122897		0.28	0.2	3.16	16	<10	130	<0.5	<2	1.08	<0.5	38	194	170	5.92	10
ZZ122898		0.20	<0.2	1.63	34	<10	90	<0.5	<2	0.87	<0.5	20	56	77	3.55	<10
ZZ122899		0.28	<0.2	2.77	17	<10	90	<0.5	<2	0.78	<0.5	32	143	124	4.96	10
ZZ122900		0.19	0.2	2.16	51	<10	80	<0.5	<2	1.31	<0.5	27	99	110	4.37	10
ZZ122901		0.29	<0.2	2.63	86	<10	90	<0.5	<2	0.96	<0.5	33	116	165	5.71	10
ZZ122902		0.16	0.2	1.90	26	<10	110	<0.5	<2	0.78	<0.5	22	62	76	4.25	10
ZZ122903		0.42	<0.2	2.74	14	10	80	<0.5	<2	0.97	<0.5	32	88	125	5.26	10
ZZ122904		0.37	0.4	1.83	28	<10	150	<0.5	<2	1.32	<0.5	23	90	106	3.80	10
ZZ122905		0.34	0.7	1.63	27	<10	50	<0.5	<2	1.53	0.9	28	121	99	3.52	<10
ZZ122906		0.24	0.3	1.70	29	<10	90	<0.5	<2	1.21	0.5	20	55	76	3.88	<10



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Method Analyte Units LOR	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm	ME- ICP41 Sr ppm	ME- ICP41 Th ppm
Sample Description	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
ZZ122872	<1	0.05	<10	4.89	976	1	<0.01	95	630	<2	0.02	<2	18	19	<20
ZZ122873	1	0.06	<10	4.37	1215	<1	0.01	81	720	<2	0.04	<2	12	24	<20
ZZ122874	1	0.09	10	2.96	943	1	0.01	67	760	3	0.11	<2	10	38	<20
ZZ122875	<1	0.11	<10	3.42	1060	1	0.01	67	610	2	0.05	<2	9	28	<20
ZZ122876	<1	0.06	10	3.26	1105	1	0.01	82	660	3	0.06	<2	10	25	<20
ZZ122877	<1	0.06	10	2.24	929	1	0.01	72	770	3	0.07	<2	9	27	<20
ZZ122878	<1	0.04	<10	2.96	1300	1	0.01	72	580	<2	0.07	<2	9	25	<20
ZZ122879	<1	0.05	<10	2.79	1010	1	0.01	65	670	2	0.07	<2	6	28	<20
ZZ122880	1	0.05	10	2.05	829	1	0.01	55	700	3	0.09	<2	6	32	<20
ZZ122881	1	0.11	<10	3.39	709	<1	<0.01	79	630	<2	0.01	2	6	29	<20
ZZ122882	<1	0.05	<10	3.09	1215	<1	0.01	74	670	<2	0.05	<2	9	22	<20
ZZ122883	<1	0.08	10	3.03	1275	1	0.01	71	730	3	0.06	<2	7	31	<20
ZZ122884	1	0.04	<10	2.26	996	1	0.01	55	830	2	0.11	<2	5	28	<20
ZZ122885	1	0.02	<10	5.32	1210	<1	<0.01	131	580	<2	0.07	2	36	20	<20
ZZ122886	<1	0.05	<10	2.85	856	1	0.01	61	620	<2	0.08	<2	8	27	<20
ZZ122887	1	0.06	10	1.62	901	1	0.01	48	790	3	0.12	<2	4	32	<20
ZZ122888	1	0.07	<10	4.11	816	<1	<0.01	68	490	<2	0.03	<2	9	20	<20
ZZ122889	1	0.05	<10	2.93	1095	1	0.01	68	560	<2	0.05	<2	8	25	<20
ZZ122890	1	0.06	<10	2.90	1190	1	0.01	71	650	3	0.07	<2	7	24	<20
ZZ122891	<1	0.05	<10	3.06	1140	1	0.01	85	610	3	0.06	2	9	25	<20
ZZ122892	<1	0.06	<10	3.12	1020	<1	<0.01	65	620	<2	0.02	2	6	20	<20
ZZ122893	1	0.08	<10	2.52	1380	1	0.01	96	610	15	0.32	<2	8	26	<20
ZZ122894	<1	0.04	<10	2.64	988	1	0.01	59	550	2	0.08	<2	6	23	<20
ZZ122895	<1	0.04	<10	3.84	1200	<1	<0.01	89	450	<2	0.05	<2	9	17	<20
ZZ122896	<1	0.06	10	2.63	1135	1	0.01	83	610	2	0.08	<2	8	27	<20
ZZ122897	<1	0.04	<10	3.15	1075	1	0.01	95	530	2	0.09	<2	9	25	<20
ZZ122898	1	0.05	10	1.13	631	1	0.02	41	730	5	0.14	<2	5	30	<20
ZZ122899	1	0.06	<10	2.89	1045	<1	0.01	64	640	<2	0.06	<2	12	25	<20
ZZ122900	1	0.04	10	1.97	816	1	0.01	61	770	2	0.13	3	10	30	<20
ZZ122901	1	0.05	<10	2.27	971	<1	0.01	73	540	<2	0.12	5	17	29	<20
ZZ122902	1	0.05	10	1.13	747	2	0.01	43	920	5	0.11	<2	7	33	<20
ZZ122903	<1	0.07	10	2.59	681	1	0.01	72	770	4	0.05	2	14	30	<20
ZZ122904	<1	0.05	10	1.49	790	2	0.01	78	860	5	0.09	2	7	37	<20
ZZ122905	<1	0.03	10	1.36	545	3	0.02	136	890	10	0.09	4	5	33	<20
ZZ122906	<1	0.05	10	1.08	636	2	0.01	61	740	7	0.13	2	5	31	<20



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Project: Vault

CERTIFICATE OF ANALYSIS WH17192499

Sample Description	Method Analyte Units LOR	ME- ICP41 Ti %	ME- ICP41 TI ppm	ME- ICP41 U ppm	ME- ICP41 V ppm	ME- ICP41 W ppm	ME- ICP41 Zn ppm	Au- AA24 Au ppm
		0.01	10	10	1	10	2	0.005
ZZ122872		0.16	<10	<10	183	<10	71	0.021
ZZ122873		0.18	<10	<10	191	<10	78	0.036
ZZ122874		0.17	<10	<10	123	<10	92	0.013
ZZ122875		0.29	<10	<10	159	<10	97	0.012
ZZ122876		0.18	<10	<10	137	<10	90	0.031
ZZ122877		0.15	<10	<10	114	<10	100	0.036
ZZ122878		0.22	<10	<10	137	<10	85	0.030
ZZ122879		0.29	<10	<10	124	<10	84	0.015
ZZ122880		0.19	<10	<10	105	<10	75	0.011
ZZ122881		0.05	<10	<10	101	<10	90	0.010
ZZ122882		0.22	<10	<10	137	<10	94	0.043
ZZ122883		0.22	<10	<10	115	<10	89	0.029
ZZ122884		0.08	<10	<10	92	<10	55	0.009
ZZ122885		0.10	<10	<10	265	<10	84	0.012
ZZ122886		0.17	<10	<10	127	<10	73	0.007
ZZ122887		0.11	<10	<10	71	<10	68	0.017
ZZ122888		0.25	<10	<10	126	<10	88	0.012
ZZ122889		0.23	<10	<10	134	<10	87	0.011
ZZ122890		0.18	<10	<10	117	<10	85	0.016
ZZ122891		0.23	<10	<10	138	<10	92	0.047
ZZ122892		0.35	<10	<10	116	<10	97	0.010
ZZ122893		0.21	<10	<10	141	<10	292	0.043
ZZ122894		0.28	<10	<10	137	<10	82	0.010
ZZ122895		0.36	<10	<10	180	<10	82	0.014
ZZ122896		0.18	<10	<10	129	<10	87	0.022
ZZ122897		0.19	<10	<10	142	<10	77	0.026
ZZ122898		0.06	<10	<10	75	<10	78	0.088
ZZ122899		0.15	<10	<10	137	<10	67	0.047
ZZ122900		0.07	<10	<10	97	<10	63	0.071
ZZ122901		0.06	<10	<10	122	<10	68	0.161
ZZ122902		0.06	<10	<10	94	<10	79	0.025
ZZ122903		0.15	<10	<10	119	<10	88	0.028
ZZ122904		0.07	<10	<10	72	<10	83	0.018
ZZ122905		0.02	<10	<10	49	<10	130	0.009
ZZ122906		0.04	<10	<10	51	<10	120	0.015



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CERTIFICATE OF ANALYSIS WH17192499

CERTIFICATE COMMENTS

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- AA24 ME- ICP41



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Account: MTT

CERTIFICATE WH17218815

Project: Vault

This report is for 3 Rock samples submitted to our lab in Whitehorse, YT, Canada on 6- OCT- 2017.

The following have access to data associated with this certificate:

ANDREW CARNE	JOAN MARIACHER	JACK MORTON
--------------	----------------	-------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
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- MS41	Ultra Trace Aqua Regia ICP- MS	
Au- AA24	Au 50g FA AA finish	AAS

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	WH17218815
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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	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
		0.02	0.005	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
W420580		1.86	0.146	1.34	0.49	152.0	0.09	<10	30	0.14	0.08	5.78	0.10	2.41	27.7	45
W420581		1.31	0.047	0.58	0.39	78.1	0.02	<10	20	0.11	0.07	5.34	0.11	3.19	35.8	5
W420582		2.18	8.27	2.71	0.06	6.6	12.00	<10	20	<0.05	0.06	0.14	0.06	1.33	1.4	16



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CERTIFICATE OF ANALYSIS WH17218815

Sample Description	Method	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	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
W420580		0.07	88.0	6.04	1.10	<0.05	<0.02	0.03	0.042	0.08	1.0	3.6	4.47	1460	0.40	0.10
W420581		0.09	134.0	6.66	1.07	<0.05	<0.02	0.01	0.051	0.07	1.4	2.9	3.00	1310	0.36	0.07
W420582		<0.05	202	0.64	0.19	<0.05	<0.02	0.01	0.020	0.03	0.7	0.3	0.04	77	0.16	<0.01

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



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CERTIFICATE OF ANALYSIS WH17218815

Sample Description	Method	Analyte	Units	LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41			
					Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
					ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
					0.05	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
W420580					<0.05	94.5	210	125.0	2.3	0.001	2.62	4.95	21.5	1.5	<0.2	211	<0.01	0.98	<0.2
W420581					<0.05	42.1	320	49.4	2.0	0.001	1.33	0.58	22.3	0.7	<0.2	170.0	<0.01	0.12	<0.2
W420582					<0.05	2.0	30	26.7	0.9	<0.001	0.08	0.26	0.3	<0.2	<0.2	8.1	<0.01	1.08	<0.2



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CERTIFICATE OF ANALYSIS WH17218815

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
W420580		<0.005	0.02	0.06	23	0.12	5.21	49	<0.5
W420581		<0.005	0.02	0.05	23	0.10	5.41	55	<0.5
W420582		<0.005	<0.02	<0.05	1	<0.05	0.32	37	<0.5



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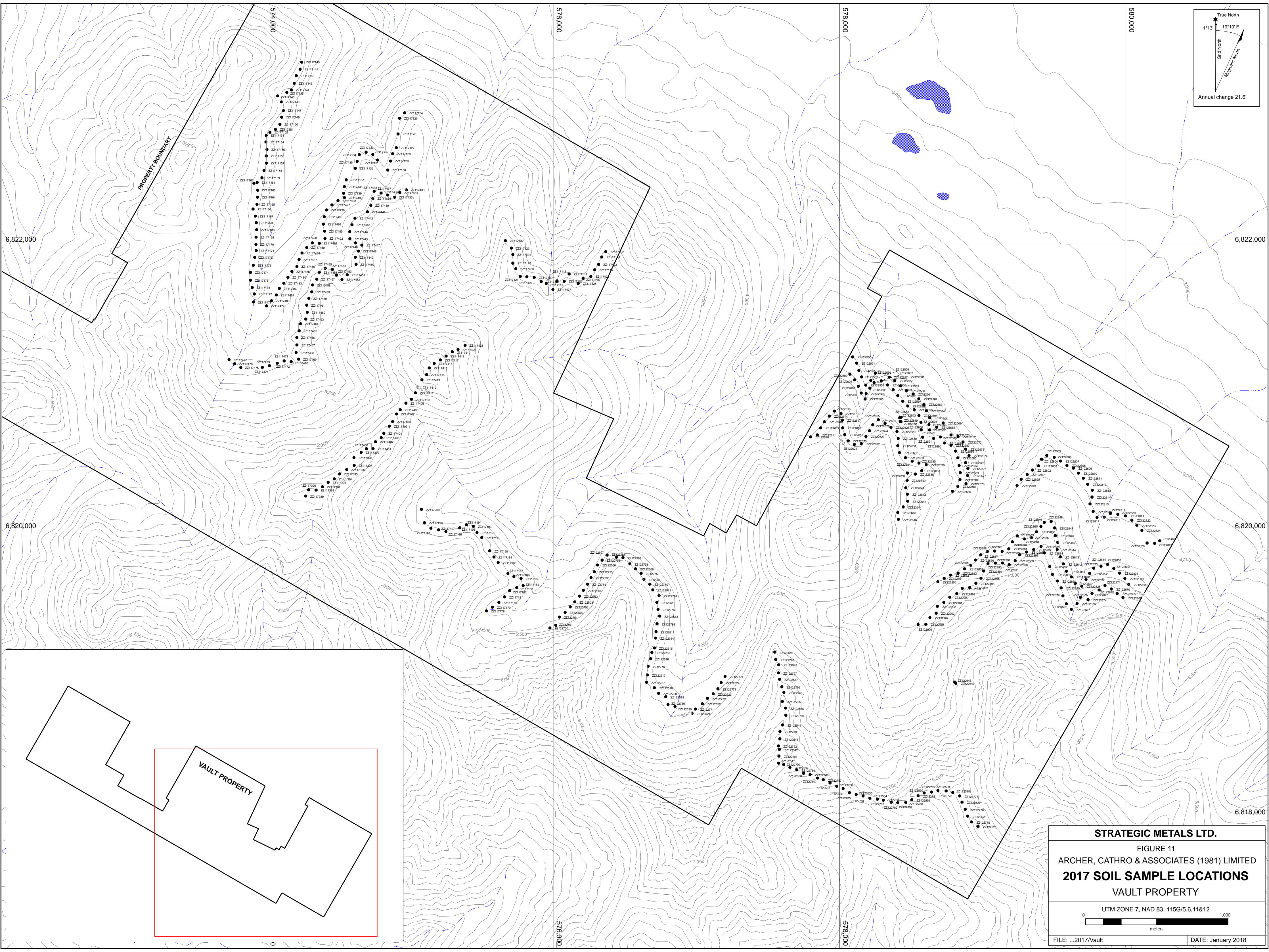
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CERTIFICATE OF ANALYSIS WH17218815

	CERTIFICATE COMMENTS
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	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. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CRU- 31</td> <td style="width: 33%;">CRU- QC</td> <td style="width: 33%;">LOG- 21</td> <td style="width: 33%;">PUL- 31</td> </tr> <tr> <td>PUL- QC</td> <td>SPL- 21</td> <td>WEI- 21</td> <td></td> </tr> </table>	CRU- 31	CRU- QC	LOG- 21	PUL- 31	PUL- QC	SPL- 21	WEI- 21	
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. <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au- AA24</td> <td style="width: 33%;">ME- MS41</td> <td style="width: 33%;"></td> <td style="width: 33%;"></td> </tr> </table>	Au- AA24	ME- MS41						
Au- AA24	ME- MS41								



STRATEGIC METALS LTD.
 FIGURE 11
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
2017 SOIL SAMPLE LOCATIONS
 VAULT PROPERTY

UTM ZONE 7, NAD 83, 115G/5,6,11&12

0 1,000 meters

FILE: ...2017/Vault DATE: January 2018