

YMEP 2023-023 REPORT

describing

GEOLOGICAL MAPPING, HAND TRENCHING AND PITTING, AND PROSPECTING

Fieldwork performed between June 19 to 25, 2023

at the

BYNG PROPERTY

Byng 1 - 20	YC40951-YC40970
21 - 42	YD113299 – YD113320
43 - 50	YC93973 – YC93980
51 - 90	YF47861 – YF47900

NTS 105D/16

Latitude 60°55'N; Longitude 134°21'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., P.Geol.

December 2023

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INTRODUCTION

The Byng property covers high-grade epithermal style gold-silver±antimony mineralization and related soil geochemical anomalies located in the McClintock Lakes area of south-central Yukon. The property is wholly owned by Strategic Metals Ltd.

This report describes a program of geological mapping, hand trenching and pitting, and prospecting, which was conducted between June 19 to 25, 2023 from a fly camp on the claims. The author participated in and supervised the exploration program and interpreted all resulting data. The author's Statement of Qualifications is provided in Appendix I, while YMEP Statement of Expenditures can be found in Appendix II.

PROPERTY LOCATION, CLAIM AND LAND USE DATA, AND ACCESS

The Byng property consists of 90 contiguous mineral claims, which are located on NTS map sheet 105D/16 at latitude 60°55' north and longitude 134°21' west (Figure 1). The property covers an area of approximately 1,800 ha (18 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 shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Byng 1-20	YC40951-YC40970	March 1, 2024
Byng 21-42	YD113299-YD113329	March 1, 2024
Byng 43-50	YC93973-YC93980	March 1, 2024
Byng 51-90	YF47861-YF47900	March 1, 2024

* Expiry dates do not include 2023 work which has not yet been filed for assessment credit.

The property is situated approximately 45 km northeast of Whitehorse, the largest city in Yukon and closest supply centre. It lies wholly within the traditional territories of the Kwanlin Dun and Ta'an Kwäch'an First Nations, and the eastern half of the claim block overlaps with the traditional territory of the Teslin Tlingit First Nation. All three first nations have concluded land claim agreements with Canada and Yukon.

The 2023 field program was conducted under Class 1 Notification Q2023_0098. The project received funding support from the Yukon Mineral Exploration Program in 2023 (2023-023).

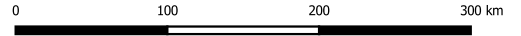
HISTORY AND PREVIOUS WORK

In 1961, the Geological Survey of Canada (GSC) released a 1:253,400 scale map of the Whitehorse Area (Wheeler, 1961).

In 1981, Dupont Canada Exploration Ltd. staked the Utshig claims approximately two kilometres to the west of the current property, to cover anomalous results from a regional reconnaissance

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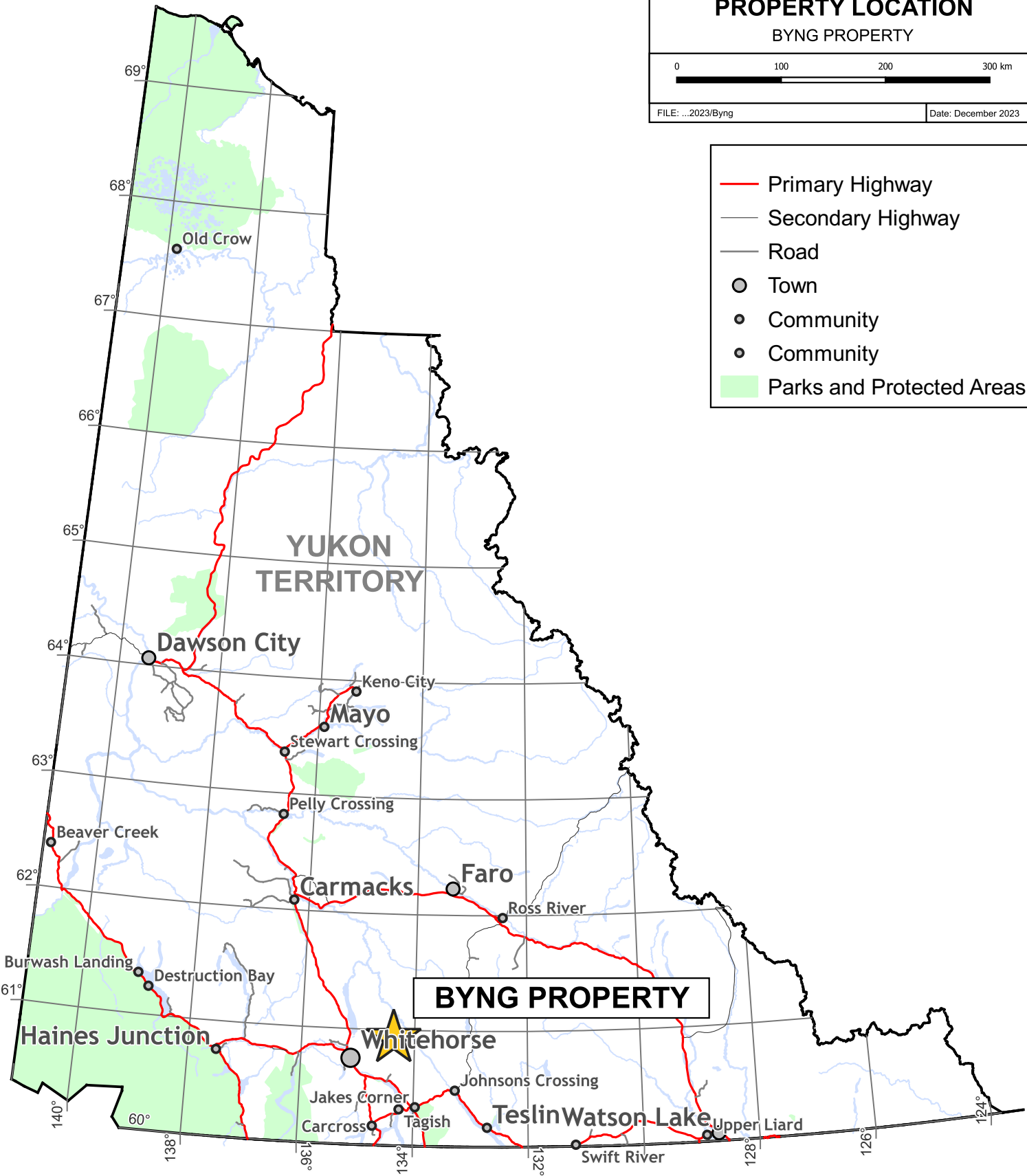
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
BYNG PROPERTY

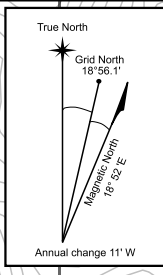
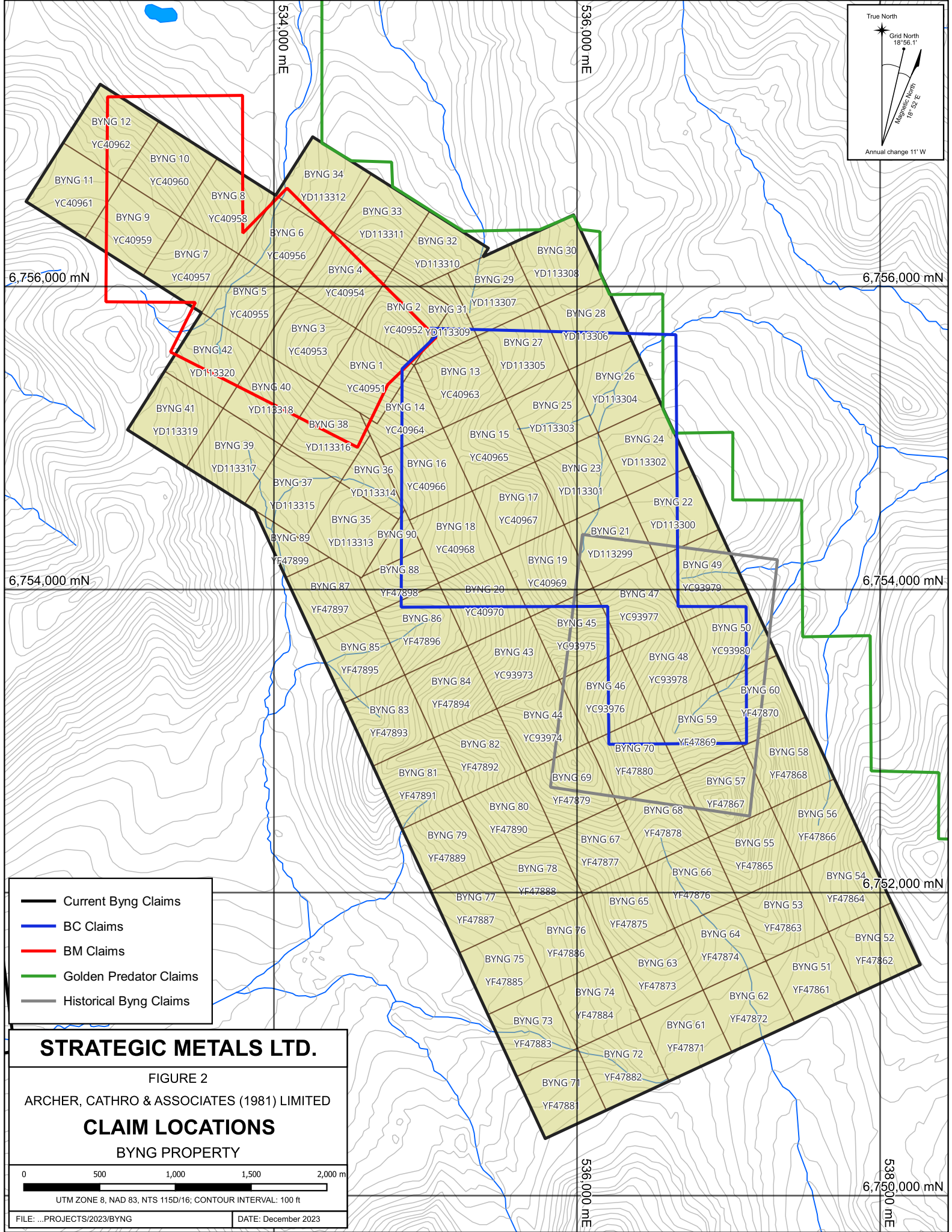


FILE: ...2023/Byng

Date: December 2023

-  Primary Highway
-  Secondary Highway
-  Road
-  Town
-  Community
-  Community
-  Parks and Protected Areas





- Current Byng Claims
- BC Claims
- BM Claims
- Golden Predator Claims
- Historical Byng Claims

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

BYNG PROPERTY

0 500 1,000 1,500 2,000 m

UTM ZONE 8, NAD 83, NTS 115D/16, CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023

exploration program. Follow-up work done on the Utshig claims in 1982 yielded up to 1500 ppb gold from heavy mineral concentrates (Holmgren and Neelands, 1982).

In 1985, the GSC conducted a regional stream survey on NTS map sheet 105D. The survey identified weakly anomalous gold values in the Mt. Byng area (Carlyle, 1987).

In 1986, Aurum Geological Consultants Inc. staked the historical Byng claim group and, later that year, conducted geological mapping along with rock, soil and silt sampling. Samples collected from the program returned low gold values, but mapping identified major faults and dykes on the claims (Doherty, 1986).

Also in 1986, the BM claims were staked roughly three kilometres north of Mt. Byng by Larry Carlyle and Drew MacDonald (Figure 2). A program of blast trenching, prospecting and soil sampling was performed. Grab samples taken from a vuggy quartz showing, the Main Zone (Figure 3), returned up to 33.15 g/t gold, 140 g/t silver and 6.5% copper. Soil sampling in the vicinity of blast trenches returned up to 15,100 ppb gold, 35 ppm silver and 1535 ppm copper (Carlyle, 1986). A rock sample collected off the claims along the north side of Mt. Byng returned 58.3 g/t gold and this area was subsequently named the R-Zone (Figure 3).

In 1987, two claims were added to the BM claim group.

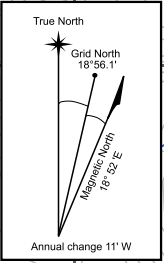
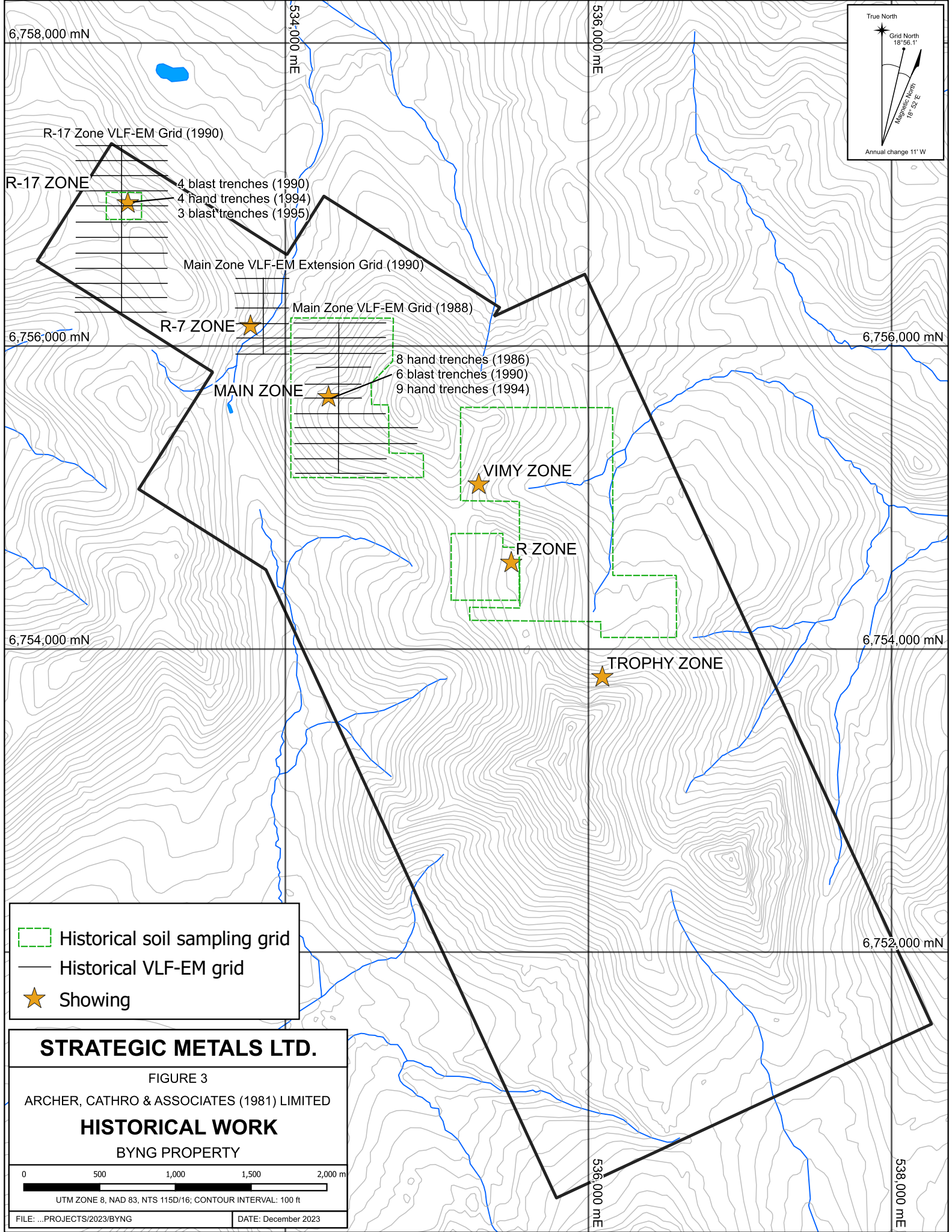
In 1988, Carlyle and MacDonald staked 37 additional claims and conducted geological mapping, hand and blast trenching, soil sampling and VLF-EM surveys (Figure 3). The best rock sample from the Main Zone graded 80.7 g/t gold and 70.6 g/t silver, while soil sampling returned up to 1660 ppb gold and 1018 ppm arsenic (Carlyle, 1989). During this program, the R-17 and R-7 Zones were discovered to the northwest of the Main Zone.

In 1989, Trevor Bremner, a mineral deposits geologist with the Division of Indian Affairs and Northern Development (DIAND) performed geological mapping on the BM claims and collected samples for K/Ar dating (Carlyle, 1991). The K-Ar data is discussed in the Regional Geology section of this report.

In 1990, the BM claims were optioned to Aurora Gold Ltd., which conducted prospecting, blast trenching and soil sampling around the Main and R-17 Zones, along with a VLF-EM survey at the R-17 Zone (Figure 3). Grab samples from the shallow blast trenches at the Main Zone returned values up to 126.9 g/t gold and 164.5 g/t silver. Soil samples collected from the claims were never sent for analysis and the exploration data was lost (Carlyle, 1991).

In 1994, Aurora dropped its option and the BM claims were consolidated into a single group of 16 claims. After the option expired Carlyle and MacDonald resumed work, completing a hand trenching program at the R-17 and Main Zones (Figure 3). Trenching did not reach bedrock at either of these areas. Two float samples taken from the Main Zone yielded greater than 6.67 g/t gold but overlimit analyses were never completed (Carlyle, 1994).

In 1995, Carlyle conducted prospecting, blast trenching and soil sampling around the R-17 and Main Zones (Figure 3). Trenching did not reach bedrock at the R-17 Zone, but a single trench at



R-17 Zone VLF-EM Grid (1990)
R-17 ZONE
 4 blast trenches (1990)
 4 hand trenches (1994)
 3 blast trenches (1995)

Main Zone VLF-EM Extension Grid (1990)

Main Zone VLF-EM Grid (1988)

R-7 ZONE
MAIN ZONE
 8 hand trenches (1986)
 6 blast trenches (1990)
 9 hand trenches (1994)

VIMY ZONE

R ZONE

TROPHY ZONE

Historical soil sampling grid
 Historical VLF-EM grid
 Showing

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL WORK

BYNG PROPERTY

0 500 1,000 1,500 2,000 m

UTM ZONE 8, NAD 83, NTS 115D/16, CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023

the Main Zone exposed in-situ vein material. A rock sample from the vein returned 6.721 g/t gold and 372 ppm arsenic. Soil sampling yielded a maximum of 42 ppb gold (Carlyle, 1995). Following this program, Carlyle added the BC claims to the southeast to cover the Creek Showing and the R-Zone.

Also in 1995, the Exploration and Geological Services Division of DIAND conducted 1:50,000 geological mapping of NTS map sheet 105D/16, which includes the Byng property (Hart, 1997).

In 1996, Carlyle and MacDonald performed blast trenching and soil geochemical sampling on the BM claims (Figure 3). Eight trenches were started along VLF-EM and soil geochemical anomalies north of the Main Zone but only one trench reached bedrock, where a rock sample returned 307 ppb gold and 645 ppm arsenic. Soil sampling yielded weakly anomalous values for copper, up to 113 ppm (Carlyle, 1996a). On the BC claims, soil sampling, geological mapping and a ground magnetometer survey were completed near the R-Zone and Creek Showing. Soil sampling returned up to 65 ppb gold, 602 ppm arsenic and 226 ppm copper around the R-Zone (Carlyle, 1996b).

In 1998, Carlyle conducted soil sampling and magnetometer surveys across parts of the BC and BM claims (Figure 3). Soil samples returned up to 346 ppb gold at the R-17 Zone and 166 ppb gold at the R-Zone (Carlyle, 1998). Equipment failure during the magnetometer survey prevented completion of the project. No further work was done by Carlyle on the BC and BM claims, and they were subsequently allowed to expire.

In 2005, ATAC Resources Ltd. staked the current Byng 1-20 claims to cover zones identified by previous work.

In 2006, the property was optioned to New Shoshoni Ventures Ltd., which that year conducted helicopter-borne magnetic and VTEM geophysical surveys on the claim block. No other work was completed by New Shoshoni and the option agreement was terminated.

In 2010, ATAC Resources sold the Byng property to Strategic Metals. Following the sale, the Byng 21-42 claims were staked.

In 2011, Strategic Metals optioned the property to Alix Resources Corp., but no work was completed by the company.

Also in 2011, Golden Predator Mining Corp. staked claims along the eastern side of the current Byng property. No record of work has been found, and the claims expired in 2013.

In 2012, Alix Resources dropped its option on the property. Later in the year, Strategic Metals conducted a soil and rock sampling program from which 558 soil and five rock samples were collected. A rock sample taken from a historical trench at the Main Zone returned 13.45 g/t gold, 35.8 g/t silver, 2080 ppm arsenic, 635 ppm copper and 1000 ppm lead, while soil sampling returned up to 1770 ppb gold from the bottom of an old blast trench at the Main Zone (Drechsler, 2012).

In 2015, Strategic Metals conducted an airborne LiDAR survey over the Byng property (Burrell, 2015).

In 2016, Strategic Metals staked the Byng 43-90 claims and completed an exploration data compilation to identify prospective areas for future programs (Willms, 2016).

In 2017, Strategic Metals conducted a one-day property tour. During this tour, four rock samples were collected from the Main Zone, which returned peak values of 17.6 g/t gold, 22.1 g/t silver, 898 ppm arsenic, 2.32% copper, 801 ppm antimony and 14.3 ppm bismuth (Willms, 2018).

In 2018, Strategic metals conducted a program of hand trenching, geological mapping, prospecting and soil sampling on the property. A total of 23 rock and 611 soil samples were collected from various parts of the property. Historical trenches at the Main Zone were re-opened and sampled, which returned two composite samples grading 38.8 g/t gold and 32.3 g/t silver across two metres and 27.3 g/t gold and 20.8 g/t silver across three metres (Willms, 2018). The best grab sample taken from the Main Zone returned 89 g/t gold and 52 g/t silver. In the central part of the property, prospecting resulted in the discovery of the Trophy Zone, a series of stibnite- and arsenopyrite-bearing quartz to quartz-carbonate veins that can be traced along strike by outcrop and float for approximately 200 m (Figure 3). Samples from these veins returned up to 10.9 g/t gold, 23.8 g/t silver, 43% arsenic and 44.3% antimony (Willms, 2018).

GEOMORPHOLOGY AND CLIMATE

The Byng property covers ridges and valleys surrounding Mt. Byng, which is part of the Big Salmon Range of the Pelly Mountains. Mt. Byng is located approximately eight kilometres east of the McClintock Lakes. Two major creeks drain the property: Byng Creek and its tributaries, which drain westward into the McClintock River; and Sheldon Creek, which flows east to join the Teslin River. All of the streams are part of the Yukon River watershed.

Mt. Byng, which lies near the center of the property, dominates local topography and is flanked by a system of ridges and creek gullies. The rest of the property covers subsidiary peaks and ridges. Elevations range from approximately 1400 to 2100 m above sea level. Outcrop and talus are locally abundant along ridgetops and on steep slopes. Treeline lies at about 1550 m. Below treeline, sparse poplar and spruce trees are mixed with an understory of buckbrush, moss and grasses. Above treeline, lichen, moss and low brush are interspersed with talus slopes and felsensmeer fields.

During the Late Pleistocene, the area was heavily glaciated, with ice sheets migrating northwards joining with larger northwesterly migrating glaciation (Duk-Rodkin, 1999).

REGIONAL GEOLOGY

The Byng property straddles the boundary between the Whitehorse Trough overlap assemblage and Cache Creek terrane – an accretionary complex made up of a mixture of ocean and arc volcanic rocks, pelagic sedimentary rocks, ultramafic bodies, and exotic limestone containing Early Permian fauna (Figure 4). In the southern Yukon, the Cache Creek terrane is overthrust by

the Stikinia and Quesnellia terranes, which are interpreted to have originated as a single continuous magmatic arc. In the early Mesozoic, the Stikinia-Quesnellia arc lay outboard of Laurentia and was separated from the continent by the intervening Cache Creek Ocean. Shallow water carbonates and syn-orogenic sedimentary rocks of Whitehorse Trough record the Late Triassic to Early Jurassic closure of the Cache Creek Ocean and the accretion of the Stikinia-Quesnellia arc onto the western Laurentian margin (Nelson et al., 2013).

The M'Clintock map area, which includes the Byng property, was first mapped at reconnaissance-scale by Cockfield (1926) and Bell (1944). In 1961, the Geological Survey of Canada (GSC) published a geological map of the Whitehorse area, which included the Mount Byng area (NTS 105D) at 1:253,400 scale (Wheeler, 1961).

In 1995, the Yukon Geological Survey (YGS) performed 1:50,000 scale mapping on the M'Clintock Lakes area as part of the Whitehorse Geological Mapping Project, which resulted in the release of a geology map over the M'Clintock map area in 1997 (Hart and Hunt, 1995 and Hart, 1997).

In 2003, the YGS completed a Yukon-wide geological compilation, which update the lithological unit names across Yukon, including in the Mount Byng area (Gordey and Makepeace, 2003).

In 2015, the YGS initiated a 1:50,000-scale bedrock mapping project covering parts of the Teslin Mountain (105E/2), Lake Laberge (105E/3), Lower Laberge (105D/6) and Joe Mountain (105D/16) map areas. The resulting report and geological map included areas to the north, east, west and south of Mount Byng (Bordet, 2017). In 2019, the YGS published a map and report on the geology of the eastern Lake Laberge area as part of this work, which includes the Mount Byng area (Bordet et al., 2019).

The YGS maintains a website illustrating regional geology based on mapping done by the Geological Survey of Canada and YGS, recent thesis work and a comprehensive compilation done by Gordey and Makepeace in 2003. This interactive map is periodically updated when new information becomes available (YGS, 2023).

The main lithological units in the area of the Byng property are described below in Table I, while the most recent regional geological map is shown on Figure 5. A regional cross section completed through the property area by Hart (2007) is shown on Figure 6.

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

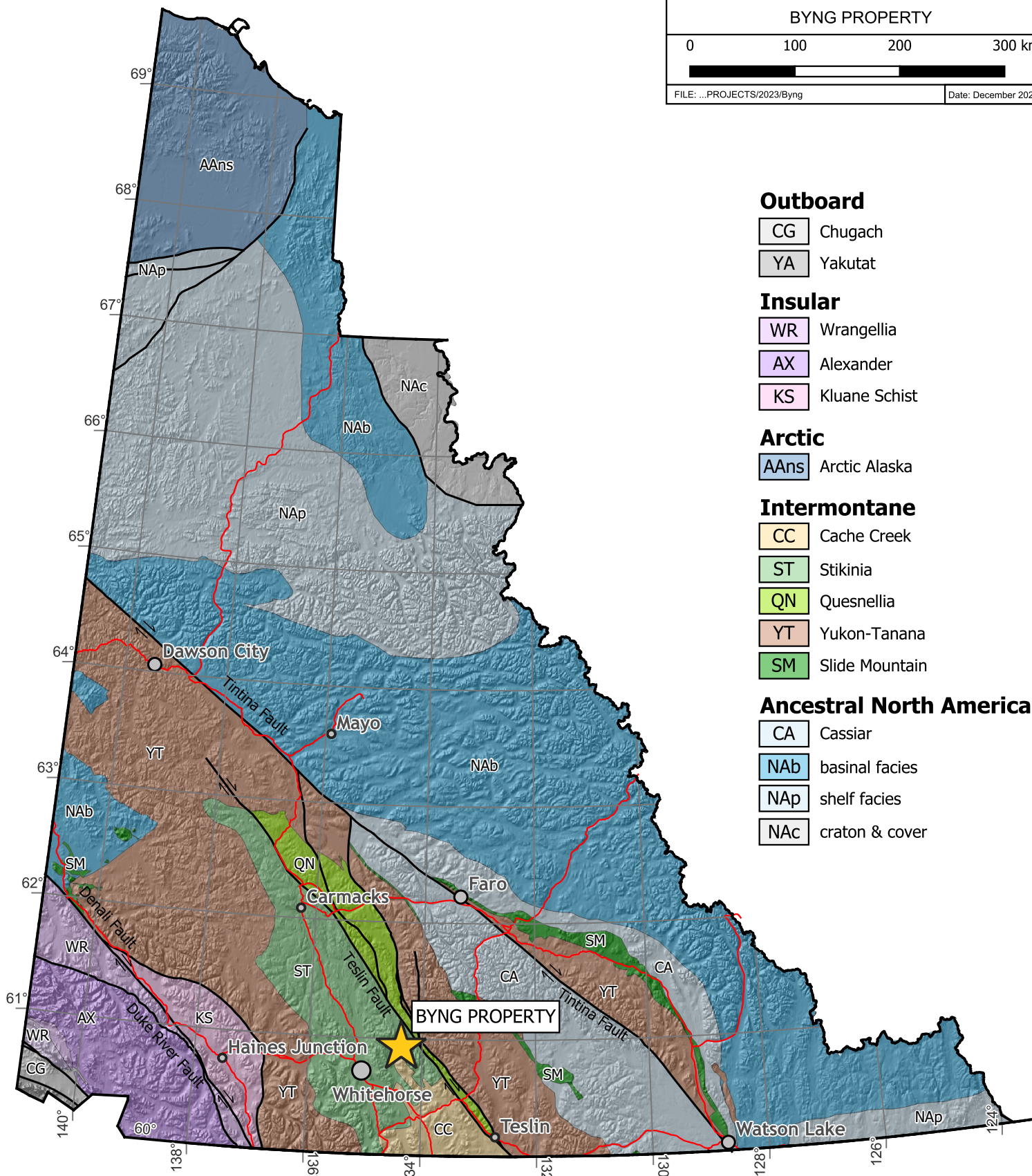
TECTONIC SETTING

BYNG PROPERTY

0 100 200 300 km

FILE: ...PROJECTS/2023/Byng

Date: December 2023



Outboard

- CG Chugach
- YA Yakutat

Insular

- WR Wrangellia
- AX Alexander
- KS Kluane Schist

Arctic

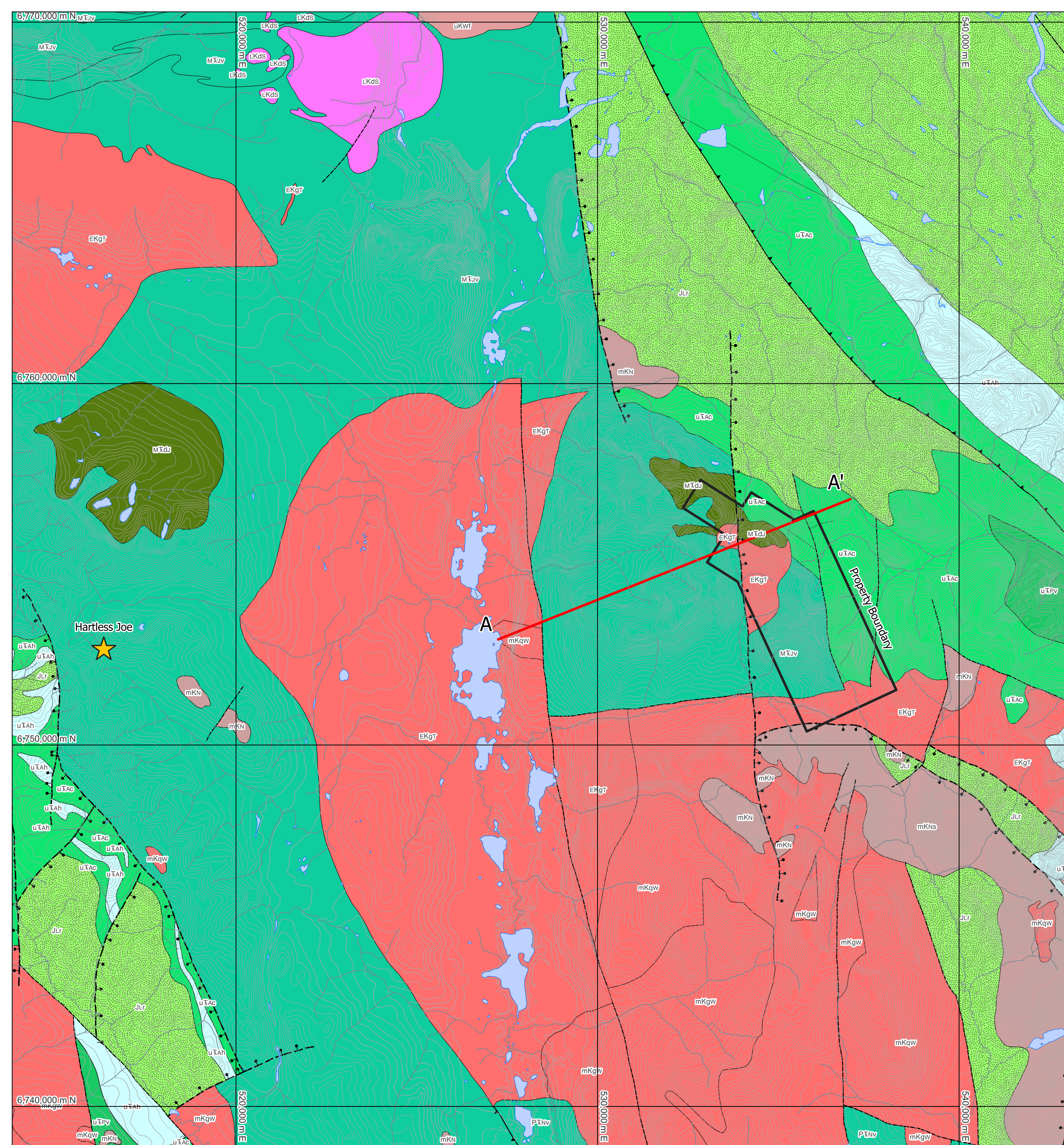
- AAns Arctic Alaska

Intermontane

- CC Cache Creek
- ST Stikinia
- QN Quesnellia
- YT Yukon-Tanana
- SM Slide Mountain

Ancestral North America

- CA Cassiar
- NAb basinal facies
- NAp shelf facies
- NAc craton & cover



Faults

- normal
- ≡ strike slip
- ▲— thrust
- unknown

Late Cretaceous

Teslin Mountain Pluton (Rancheria Suite?)

- LKds Biotite-hornblende quartz diorite to granodiorite

mid-Cretaceous

Whitehorse Suite

- mKqW Hornblende-biotite granite, granodiorite, quartz monzonite, quartz monzodiorite
- mKqW Biotite quartz monzonite, biotite granite and leucogranite

Mount Nansen

- mKN Massive aphyric or feldspar-phyric andesite to dacite flows

Mount Nansen (Byng Creek)

- mKNs Massive aphyric or feldspar-phyric andesite to dacite flows

Early Cretaceous

Teslin Suite

- EKgT Hornblende-biotite granite, granodiorite, quartz monzonite, quartz monzodiorite

Jurassic

Richthofen Formation

- Jlr Shale, siltstone, calcareous greywacke, argillaceous limestone

Triassic

Aksala Formation (Casca Member)

- uTrAK1 Shale, siltstone, calcareous greywacke, argillaceous limestone

Aksala Formation (Hancock Member)

- uTrAK2 Massive to thick-bedded limestone

Povoas Formation

- uTrPv Augite or feldspar-phyric andesitic basalt flows, breccia, tuff, sandstone and argillite

Joe Mountain Formation

- PTn3 Massive basalt flows
- PTn5 Hornblende gabbro and diorite

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

0 1 2 3 4 5 km

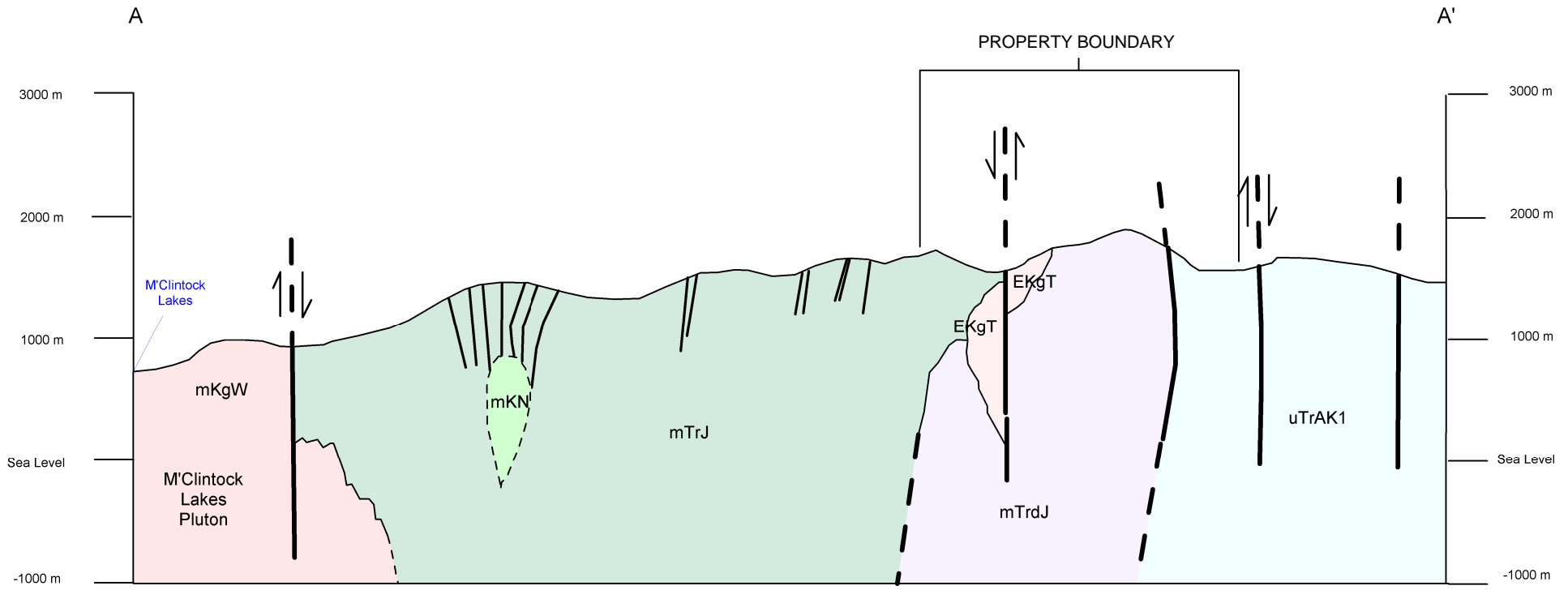
UTM ZONE 8, NAD 83, NTS 106C/02 & 03; 1:70,000 scale

FILE: ...PROJECTS/2023/BYNG

Date: December 2023

Annual change 11' W

SECTION FACING NW



MID-CRETACEOUS

- nKN Byng Creek Volcanics
Rhyolite and quartz-feldspar porphyry.
- mKgW M'Clintock Lakes Granite (Whitehorse Plutonic Suite)
Hornblende-biotite granite and granodiorite.
- EKgT Mount Byng Felsite (Teslin Plutonic Suite)
Feldspar-hornblende felsite and hornblende granodiorite.

UPPER TRIASSIC

- uTrAK1 Aksala Formation (Lewes River Group)
Limy siltstone, siltstone, sandstone, conglomerate and hornfels.

MID-TRIASSIC

- mTrJ Joe Mountain Formation
Andesite and basaltic flows, breccia, microdiorite and diabase.
- mTrdJ Joe Mountain Formation
Pyroxene gabbro with pyroxenite and anorthosite.

|| Geological contact (defined, approximate)

| Dyke

|| Fault (defined, approximate)
Direction of movement shown by arrows.

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FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL CROSS-SECTION

BYNG PROPERTY

0 1000 2000 m

UTM ZONE 8, NAD 83, 105D/16

Table I – Lithological Units (after Gordey and Makepeace, 2003; YGS, 2023)

Unit Name	Age	Map Name	Description
Teslin Mountain Pluton (Rancheria Suite?)	Late Cretaceous	LKgR	Medium-grained, equigranular biotite granodiorite, tonalite, monzogranite (\pm muscovite); coarse-grained biotite monzogranite with 1-5 cm K-feldspar megacrysts; quartz-feldspar porphyry, aplite and kersantite dikes
Mount Nansen Group	Mid-Cretaceous	mKN	Massive aphyric or feldspar-phyric andesite to dacite flows, breccia and tuff; massive, heterolithic, quartz and feldspar-phyric, felsic lapilli tuff; flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccia (Byng Creek Volcanics, Mount Nansen Group).
Whitehorse Suite	Mid-Cretaceous	mKgW	Biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite-hornblende granodiorite locally with sparse grey and pink K-feldspar phenocrysts
		mKqW	Biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite.
Teslin Suite	Early Cretaceous	EKgT	Leucocratic, fine to coarse-grained, equigranular, hornblende-biotite granite, granodiorite, quartz monzonite and quartz monzodiorite, locally with sparse grey and pink potassium feldspar phenocrysts; associated aplitic phases with dykes (Deadman Creek Batholith).
Richthofen Formation (Laberge Group)	Early to middle Jurassic	JLr1	Well-bedded, turbiditic sandstone-siltstone-mudstone; dark weathering, massive to finely laminated mudstone and limy mudstone; thick-bedded to massive lenses of polymictic cobble to boulder conglomerate; lithic sandstone; minor limestone.
Casca Member Aksala Formation	Upper Triassic	uTrAK1	Mixed clastic-carbonate assemblage divisible into three dominant facies including calcareous greywacke – brown shale, black and minor red siltstone, greenish, calcareous greywacke and interbedded bioclastic, argillaceous limestone; igneous or

(Lewes Group)			limestone-clast pebble and cobble conglomerate; lahar debris flows; rare feldspar-augite porphyry flows
Hancock Member Aksala Formation (Lewes Group)	Upper Triassic	uTrAK2	Mixed clastic-carbonate assemblage divisible into three dominant facies including locally thick carbonate – Massive to thick-bedded limestone; minor thin-bedded argillaceous to sooty limestone; coarsely crystalline, massive dolostone; minor laminated chert; massive to poorly bedded, limestone conglomerate, debris flows and fanglomerate.
Povoas Formation	Upper Triassic	uTrPv	Augite and/or feldspar-phyric, locally pillowed, andesitic basalt flows, breccia, tuff, sandstone and argillite; local dacitic breccia and tuff with minor limestone; greenschist, chlorite schist, chlorite-augite-feldspar gneiss, amphibolite
Joe Mountain Formation	Late Triassic	mTrJ	Basalt – massive basalt flows; fine to locally medium-grained feldspar and pyroxene (?) - phyric, pillowed andesite; variably altered massive microdiorite; heterolithic diamictite.
		mTrdJ	Subvolcanic mafic intrusion – coarse-grained and locally pegmatitic, hornblende gabbro and diorite.

Recent work by the YGS has led to a reassignment of Joe Mountain Formation from Stikinia to Cache Creek terrane. This reassignment is based on lithological, geochronological and geochemical affinities with other Triassic arc assemblages elsewhere in the Cordillera. It is suggested that an intra-oceanic, volcanic arc system, represented by the Kutcho and Sitlika assemblages in northern British Columbia and the Joe Mountain and Michie formation in southern Yukon, developed within the Panthalassa Ocean during Permian to Triassic time. This arc eventually became incorporated into the Cache Creek accretionary prism and part of the Cache Creek composite terrane during amalgamation in the Late Triassic to Early Jurassic (Bordet et al., 2019).

Joe Mountain Formation volcanic and volcanoclastic rocks form the lowest stratigraphic level in the Mount Byng area. They comprise massive to flow-banded or pillowed, subalkaline to calc-alkaline basalt and basaltic andesite, poorly sorted volcanic conglomerate, mafic tuff, volcanic mudstone, sandstone and minor carbonates (Bordet, 2017). Gabbro of the Joe Mountain Formation underlies and intrudes the basalt formations, and may represent subvolcanic intrusions exposed by erosion, which correspond to remnant volcanic centres (Bordet et al., 2019).

Overlying the Joe Mountain Formation across uncertain contact relationships are volcanic and sedimentary rocks of the Lewes River Group. Within the region surrounding the Byng property the Lewes River Group is comprised by the Upper Triassic Povoas and Aksala Formations. The

Povoas Formation includes aphyric to pyroxene-phyric basalt and volcanic breccia while the Aksala Formation is characterized by a sequence of shale, siltstone, calcareous greywacke and argillaceous limestone (Bordet et al., 2019).

Overlying this basement are sedimentary rocks of the Early Jurassic Laberge Group consisting of deltaic and deep marine sediments of the Whitehorse trough. The trough originally developed as a forearc basin and eventually evolved into a syn-orogenic, transpressional basin in the Early Jurassic (Colpron et al., 2015). Units comprising the Laberge Group extend over a strike length of 600 km, spanning the area between Carmacks, Yukon and Dease Lake, British Columbia.

South and north of the property, large sequences of mid-Cretaceous volcanic rocks overlie the older rocks. These consist of massive aphyric to feldspar-phyric andesite to dacite flows. Zircon ages from these rocks suggest they are part of the Mount Nansen Group (Hart, 1997).

Three large Cretaceous aged plutons are located near the Byng claim block, which belong to the Early Cretaceous Teslin Suite, mid-Cretaceous Whitehorse Suite and Late Cretaceous Rancheria Suite(?) and are located immediately west, south and north of the property, respectively. A granodiorite stock related to the larger Teslin Suite pluton is found on the property, which is characterized as homogenous, coarse grained, biotite-hornblende granodiorite to quartz monzonite.

Faulting is extensive on the property and is thought to have occurred in three main episodes (Hart, 1997). The first is characterized by steeply dipping faults with easterly strikes. Following this, faulting transitioned into steep, northerly striking structures. The final set of faults trends northwesterly and have been traced over several kilometres. Faults on the property exhibit dextral strike-slip movement and vertical offset. Upright folds are associated with the northerly and northwesterly fault episodes.

PROPERTY GEOLOGY

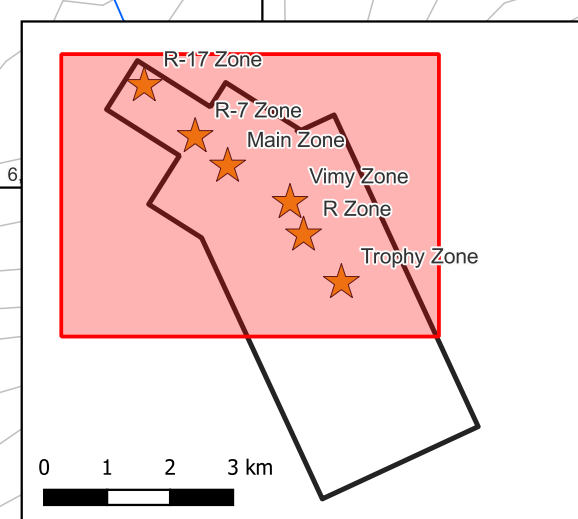
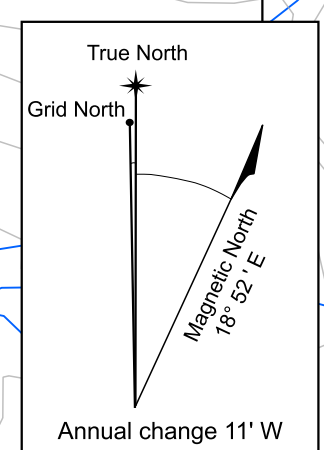
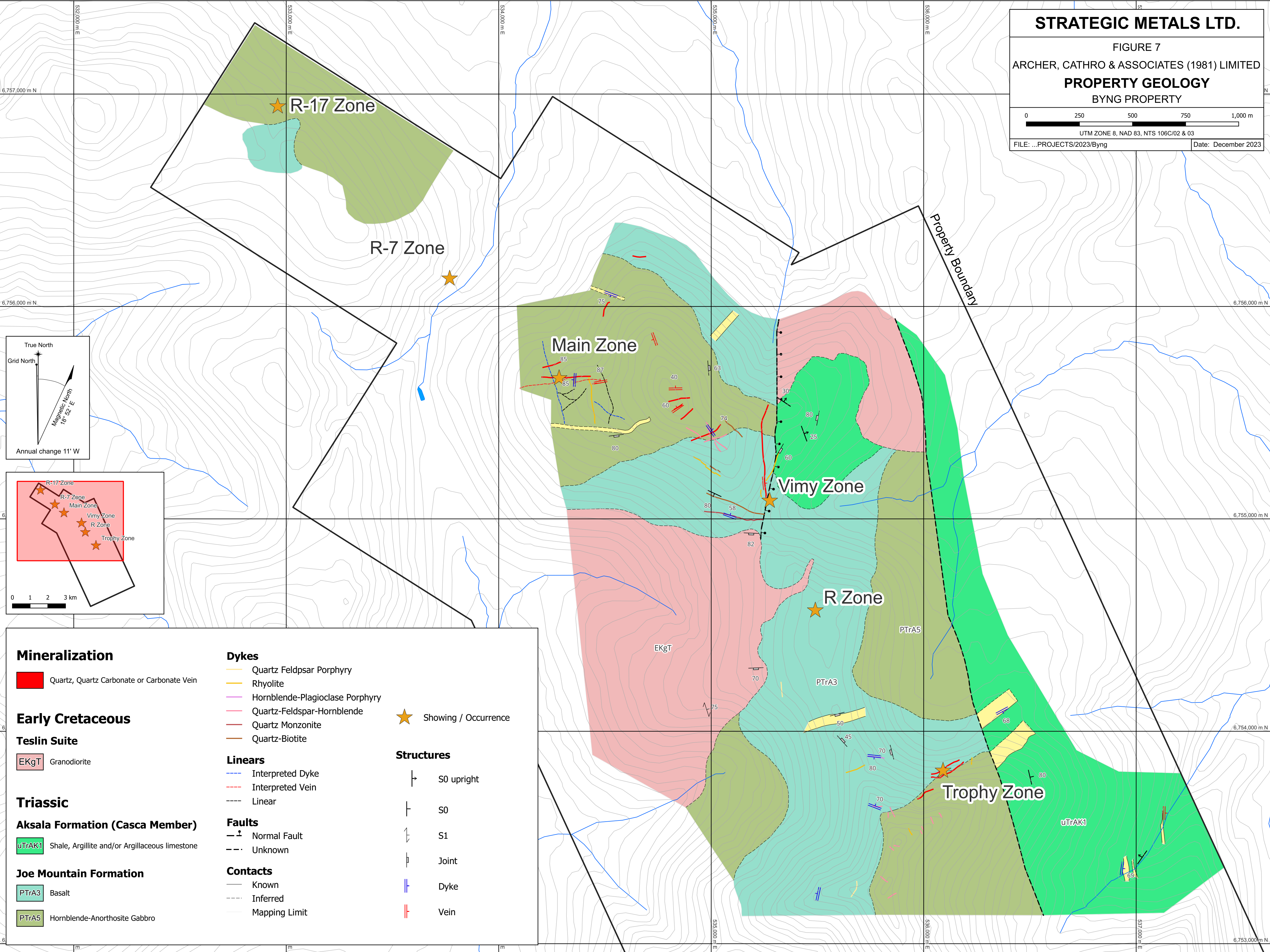
Property-scale mapping has been conducted intermittently on the property since 1986. Carlyle and MacDonald performed geological mapping on parts of the historical BM and BC claims blocks between 1986 and 1998. In 1989, Trevor Bremner, a DIAND geologist, performed four days of geological mapping on the BM property and collected samples for age dating (Bremner, 1990 and Carlyle, 1991). In 2018, Strategic Metals conducted limited geological mapping to confirm pre-existing mapping work. In 2023, Strategic Metals completed a 1:5000 scale geological mapping program to cover the main areas of the property. The following geological descriptions are compiled from this work. A property-scale geological map compiled from reliable data from this work is shown on Figure 7.

Rocks found on the Byng property are dominated by the Joe Mountain Formation, which are divided into two main lithologies: 1) a thick unit of fine-grained, massive, basalt to basaltic andesite volcanic rocks; and 2) intrusions of medium- to coarse-grained pyroxene±anorthosite gabbro. The basalt makes up the core of the property, underlying the main north-south ridge. The basalts are intruded by large bodies of the gabbro near the Trophy, Main and R-17 Zones

STRATEGIC METALS LTD.

FIGURE 7
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
 BYNG PROPERTY

0 250 500 750 1,000 m
 UTM ZONE 8, NAD 83, NTS 106C/02 & 03
 FILE: ...PROJECTS/2023/Byng Date: December 2023



Mineralization		Dykes		★ Showing / Occurrence		
	Quartz, Quartz Carbonate or Carbonate Vein		Quartz Feldspar Porphyry			
Early Cretaceous			Rhyolite	Structures		
Teslin Suite			Hornblende-Plagioclase Porphyry			S0 upright
	Granodiorite		Quartz-Feldspar-Hornblende			S0
Triassic			Quartz Monzonite			S1
Aksala Formation (Casca Member)			Quartz-Biotite			Joint
	Shale, Argillite and/or Argillaceous limestone		Unknown		Dyke	
Joe Mountain Formation			Unknown		Vein	
	Basalt		Known		Inferred	
	Hornblende-Anorthosite Gabbro		Mapping Limit			

(Figure 7). These rocks are faulted against, and possibly overlain by, shales, siltstones and calcareous greywacke of the Aksala Formation within the eastern part of the property (Figure 7).

Granodiorite of the Teslin Suite is mapped in the central and northern parts of the property, which occur in stocks separated by a regionally mapped normal fault. These rocks are composed of medium- to fine-grained to porphyritic, feldspar-hornblende to hornblende granodiorite that is typically fresh and unaltered, except where cut by young brittle faults (Figure 7). The extent of both stocks on the property have not been fully mapped. Geochronology samples collected from the granodiorite stock returned a K-Ar hornblende age of 121 ± 5 Ma (Bremner, 1990). U-Pb analyses of zircons collected from the continuation of the southernmost stock, outside of the property boundary returned an age of ca. 115 Ma and likely represents the more accurate age of the intrusions (Hart, 1997). Several dykes are present throughout the property, which cut Joe Mountain lithologies. These dykes include quartz-feldspar hornblende, quartz-monzonite, hornblende-plagioclase porphyry and strongly foliated quartz-biotite dykes. All of these dykes are likely related to regionally mapped Teslin Suite or nearby Whitehorse Suite stocks.

Rhyolitic intrusions are the youngest and most dominant dykes on the property, which cut all units on the property except for the mapped Teslin Suite stocks. These rhyolite dykes consist of locally flow-banded quartz-phyric rhyolite and quartz-feldspar porphyry plugs, dykes, sills and breccias. Where the rhyolites intrude sediments, notably in the southwestern part of the property, local hornfelsing is documented (Carlyle, 1998). A K/Ar whole rock age of 104 ± 4 Ma was obtained from a rhyolite dyke in the northern part of the property (Bremner, 1990). The relation and timing between all dykes on the property is not yet fully understood.

The youngest igneous phase on the property is a small diatreme of heterolithic breccia containing angular fragments of all the major rock types found in the area, which have been welded by granodiorite porphyry (Bremner, 1990). This diatreme lies within the Teslin Suite granodiorite stock in the central part of the property.

Two major northerly trending faults are mapped on the property. In general faulting is not well exposed on the property and so the extent of faulting, and its controls on mineralization, are unknown.

Throughout the property, variably sized rusty-weathering carbonate gossans and quartz to quartz-carbonate veins and breccias are present. These veins and breccias are typically hosted within the Joe Mountain Formation but are also locally associated with rhyolite dykes of the Byng Creek volcanic complex. Mineralization related to these veins and breccias are discussed in detail in the next section of this report.

MINERALIZATION

The Byng property hosts gold- and silver-bearing epithermal-style mineralization that is characterized by vuggy to banded quartz and quartz-carbonate veins and breccias. Seven prospective areas have been identified on the property to date: the R-17, R-7, Main, R, Trophy

and Creek Zones, and the newly discovered Vimy Zone (Figure 8). Gold- and silver-bearing veins on the property are typically hosted in the Joe Mountain Formation and are locally associated with intrusive and rhyolite dykes.

In 2023, Strategic Metals collected 52 rock samples from the property. Rock sample locations are shown on Figure 8. Thematic results for gold, silver, arsenic, antimony, bismuth and copper, where available, are shown on Figures 9 to 14, respectively.

The 2023 rock sample sites were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Sample preparation and multi-element analyses for 2023 rock samples were carried out at ALS Minerals' laboratories in Whitehorse, Yukon and North Vancouver, BC, respectively. Each sample was dried and fine crushed to better than 70% passing 2 mm, and then a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was analyzed for 51 elements using an aqua regia digestion followed by inductively coupled plasma combined with mass spectroscopy and atomic emission spectroscopy (ME-MS41). For all of the samples, an additional 30 g charge was further analyzed for gold by fire assay with inductively coupled plasma and atomic emission spectroscopy finish (Au-ICP21). Rock Sample Descriptions and Certificates of Analysis are provided in Appendices III and IV, respectively.

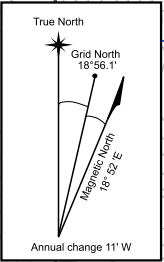
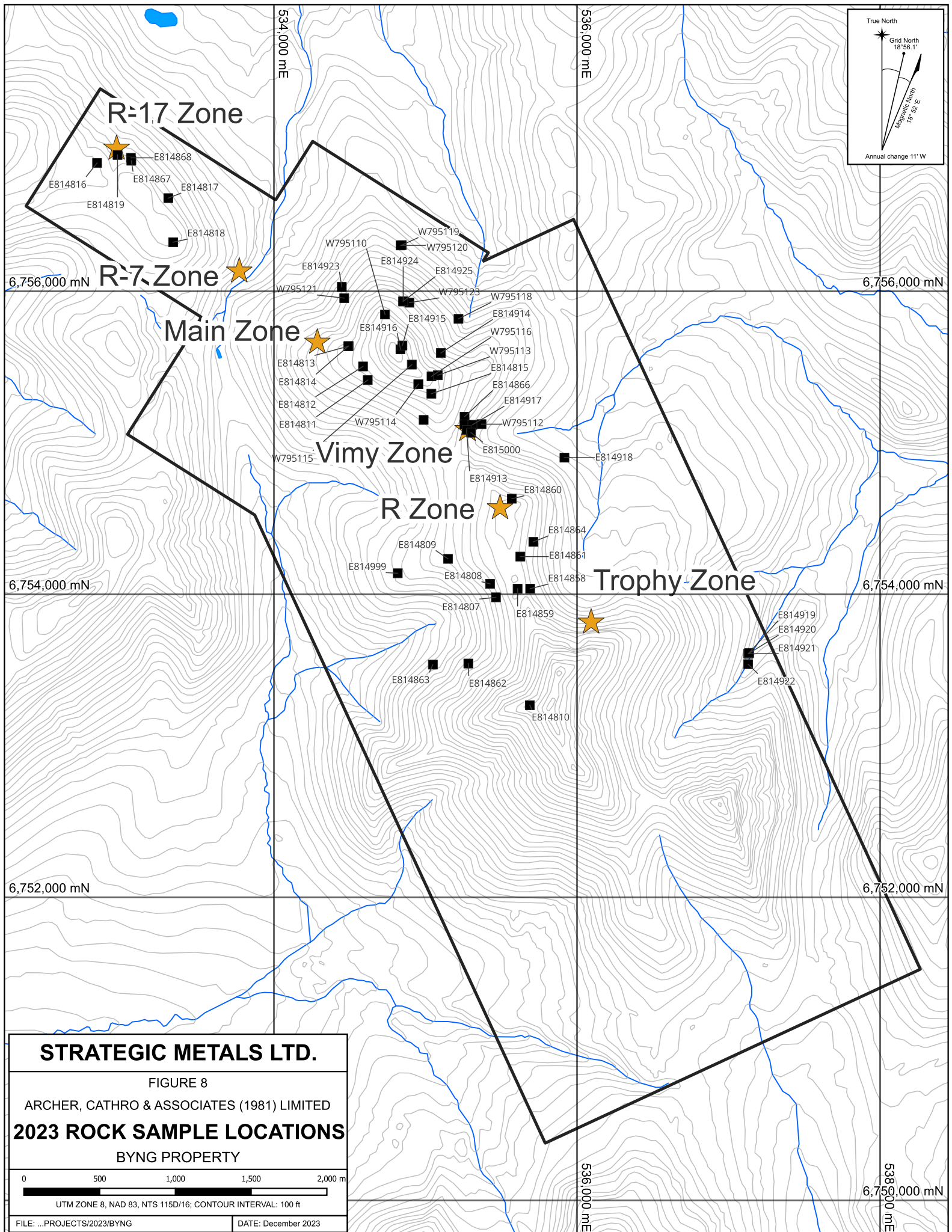
Rock sampling in 2023 was conducted during mapping traverses across the property. Results from this sampling and from showings discovered to date on the Byng property are described in the following paragraphs.

The **R-17 Zone** is a gossanous 100 m area of silicified chalcedonic brecciation and rusty orange-weathering quartz carbonate veining that follows a prominent north-trending topographic linear in the northern part of the property. Historical rock sampling and blast trenching was conducted; however, the work is poorly documented, and it was reported that work failed to reach bedrock. The best historical rock sample returned less than 100 ppb gold.

In 2023, a single day was spent mapping and prospecting in the area; however, the R-17 Zone and related linear was covered in snow. Metre-scale float boulders of rusty orange weathering chalcedony-quartz-carbonate veining and brecciation with large, weathered cavities, were found near the linear. Samples from this material did not return elevated values for gold or silver; however, a float sample of vuggy and limonitic quartz vein material taken 450 m southeast of the R-17 Zone returned elevated values for gold (0.25 g/t), silver (9.4 g/t) and copper (1915 ppm). This quartz vein material texturally resembles quartz veining at the Main Zone.

The **R-7 Zone**, located 1100 m southeast of the R-17 Zone, lies near an intersection between northerly and northwesterly trending faults that juxtapose Joe Mountain gabbro and Teslin Suite granodiorite. Due to the lack of exposed bedrock, little work has been done in the area. Historical rock sampling has returned values up to 840 ppb gold.

An attempt to locate the R-7 Zone in 2018 was unsuccessful, but rock samples collected from an exposure in the area returned weakly elevated values up to 136 ppb gold and 135.5 ppm arsenic.



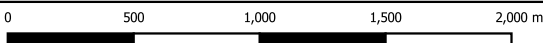
STRATEGIC METALS LTD.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2023 ROCK SAMPLE LOCATIONS

BYNG PROPERTY

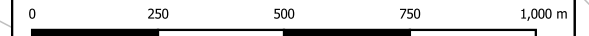


UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

STRATEGIC METALS LTD.

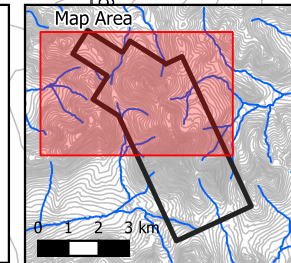
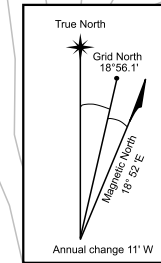
FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD ROCK GEOCHEMISTRY
 BYNG PROPERTY



UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Au-in-rock (g/t)

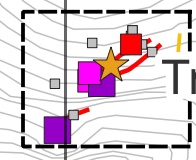
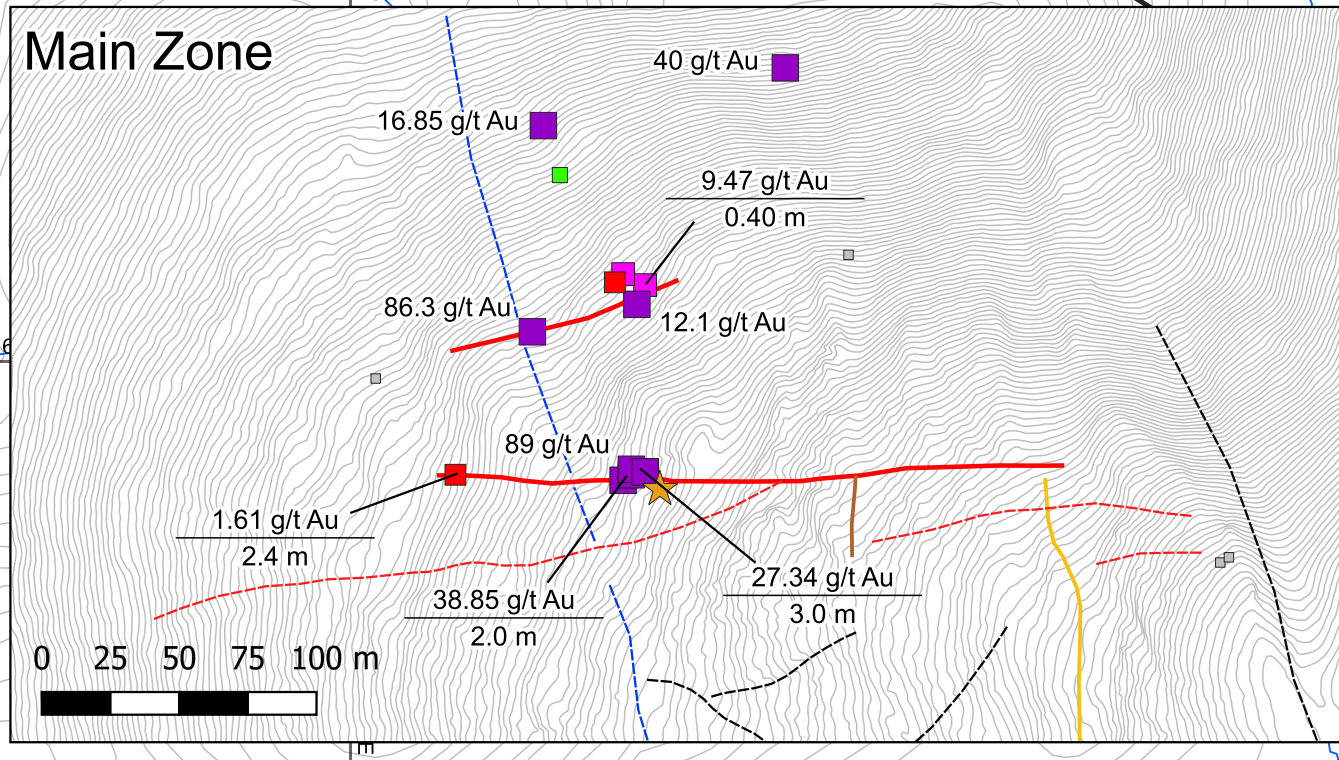
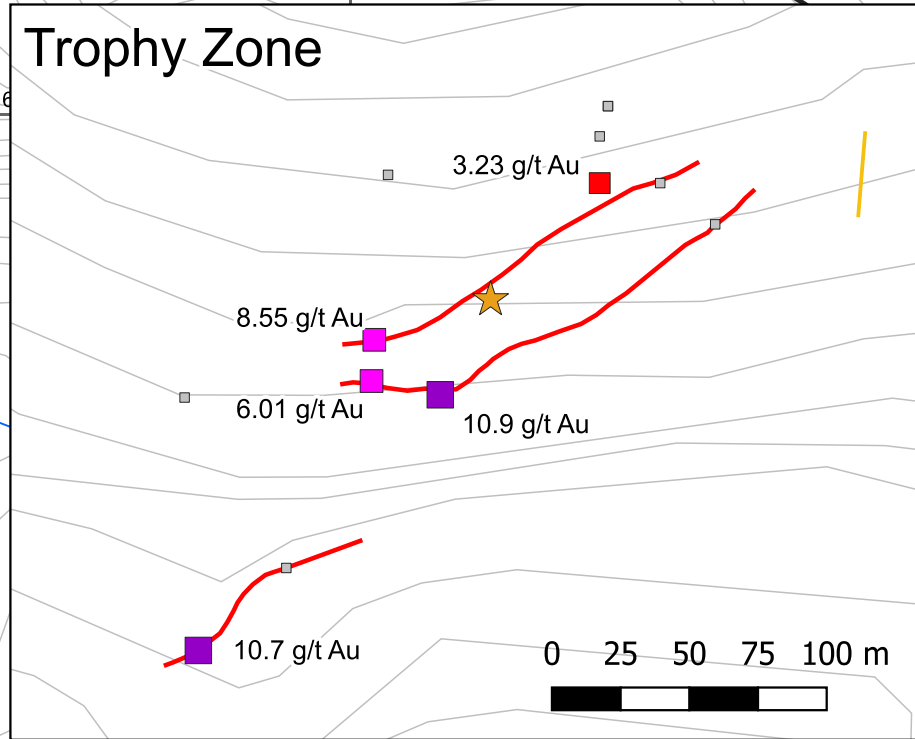
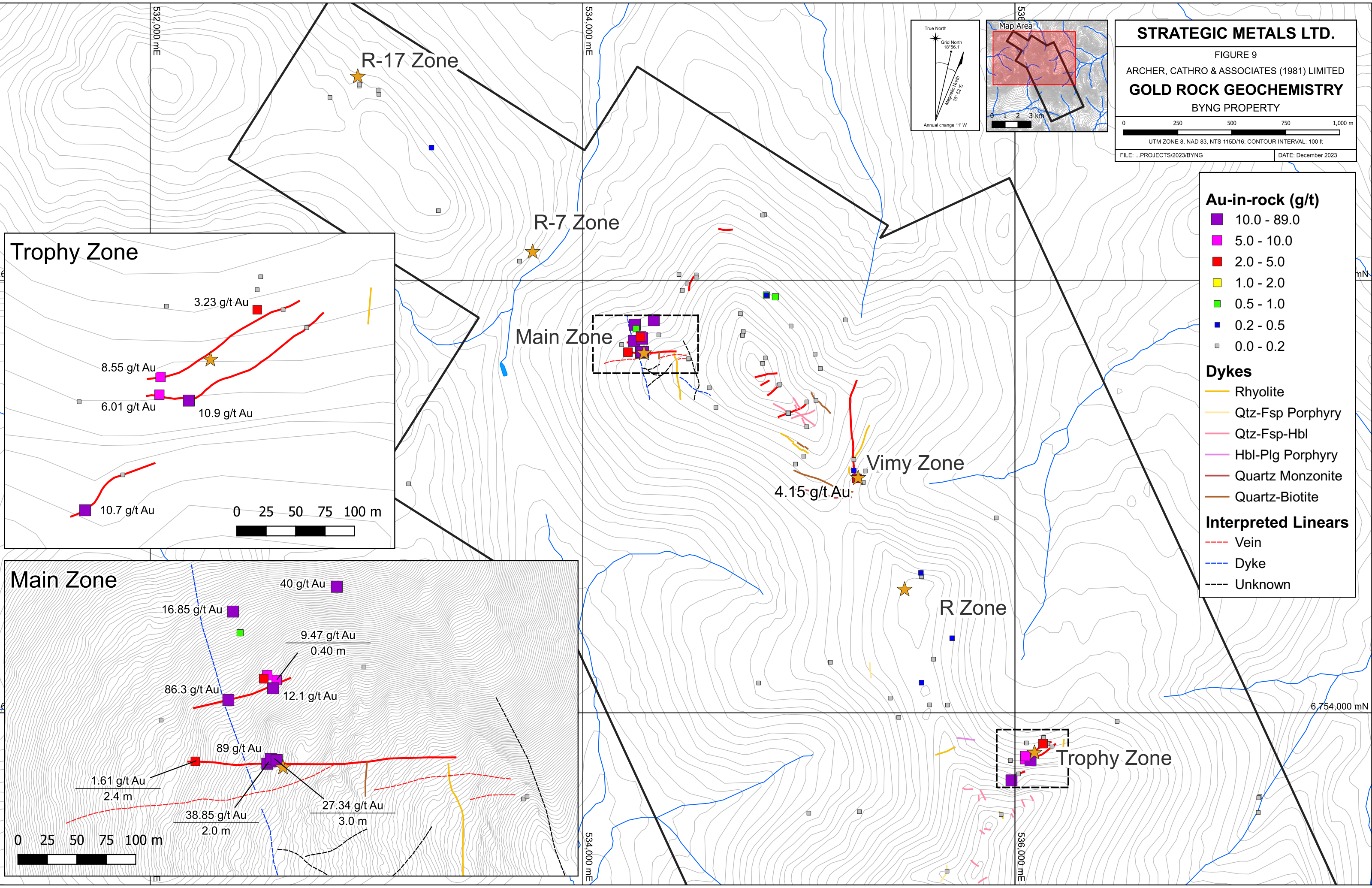
- 10.0 - 89.0
- 5.0 - 10.0
- 2.0 - 5.0
- 1.0 - 2.0
- 0.5 - 1.0
- 0.2 - 0.5
- 0.0 - 0.2

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- Vein
- Dyke
- Unknown



STRATEGIC METALS LTD.

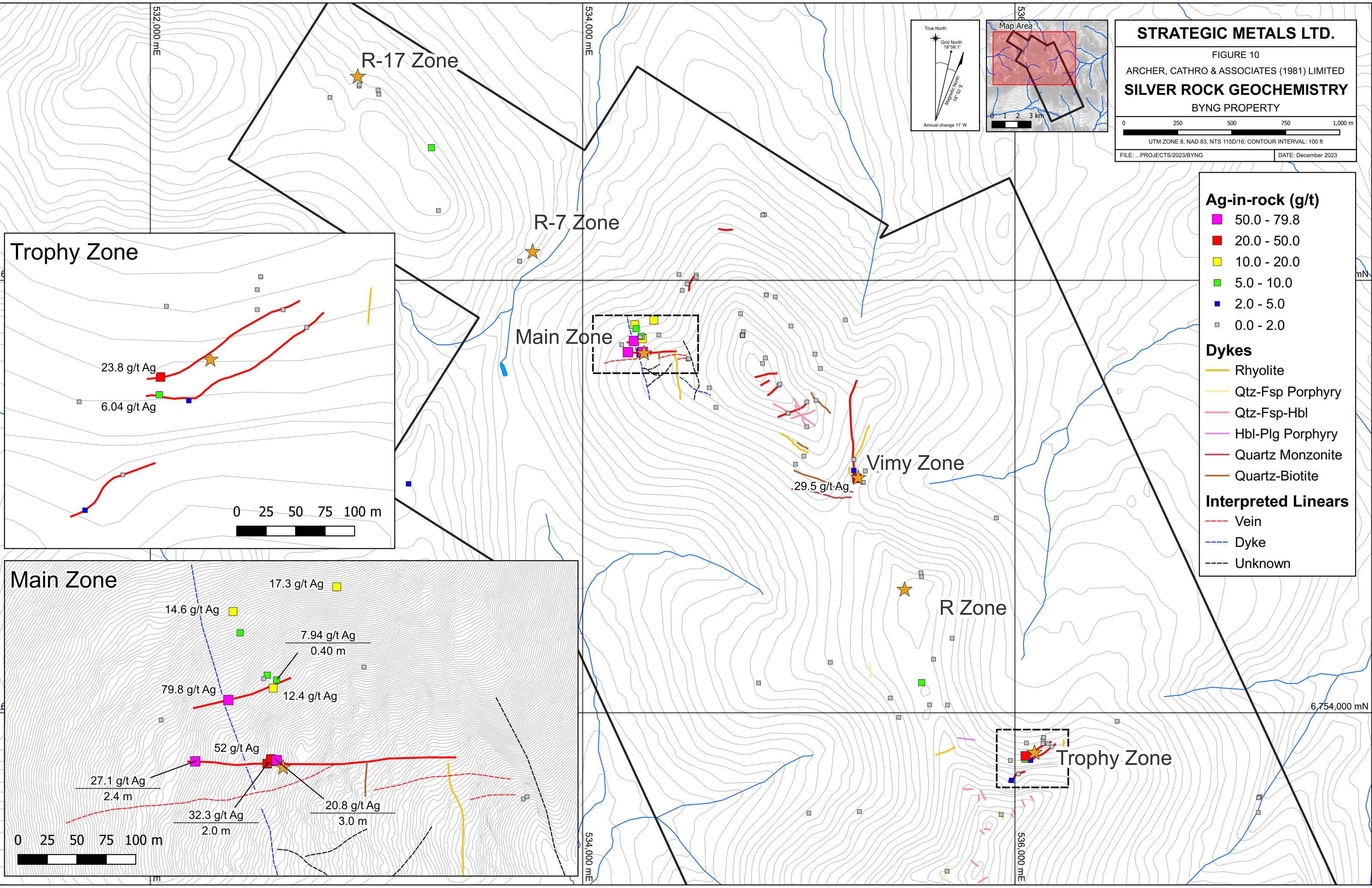
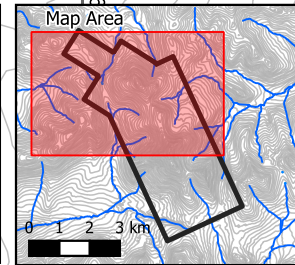
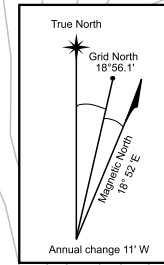
FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER ROCK GEOCHEMISTRY
BYNG PROPERTY

0 250 500 750 1,000 m

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Ag-in-rock (g/t)

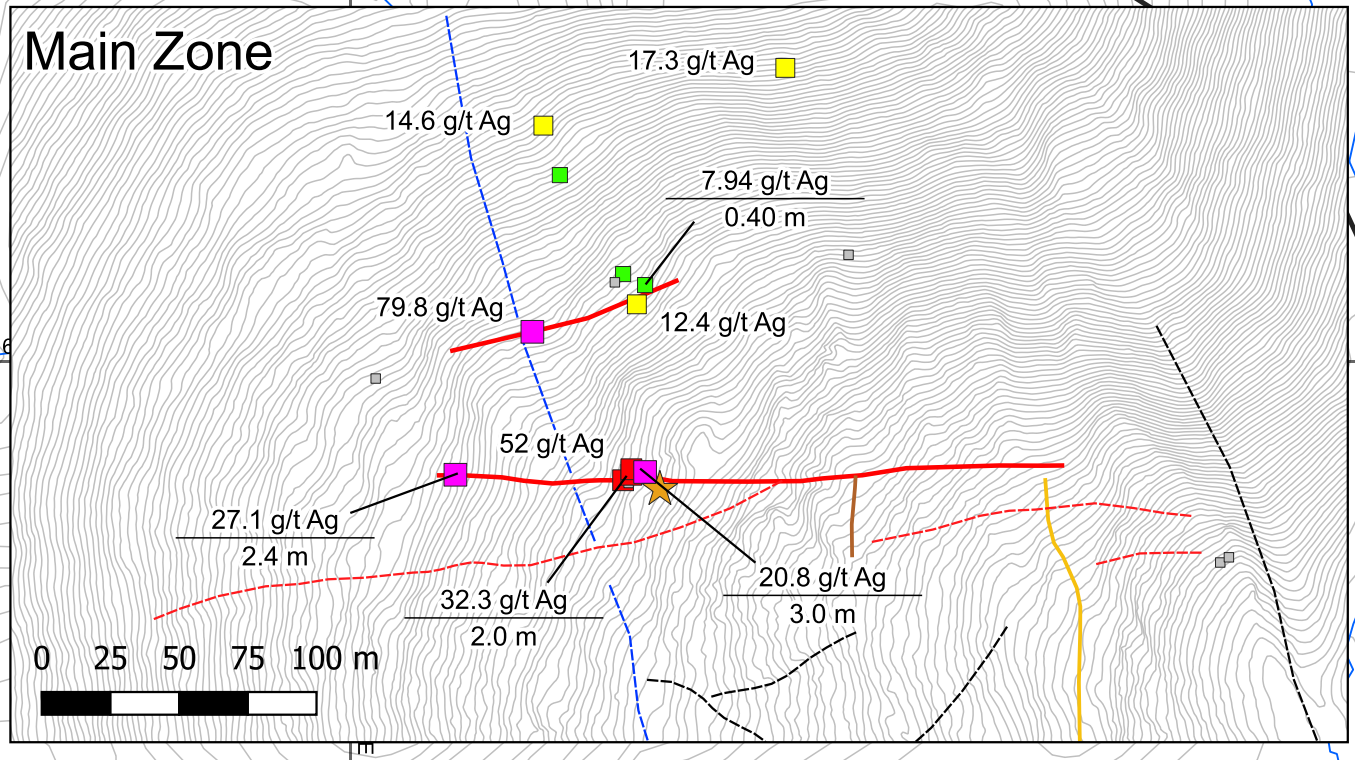
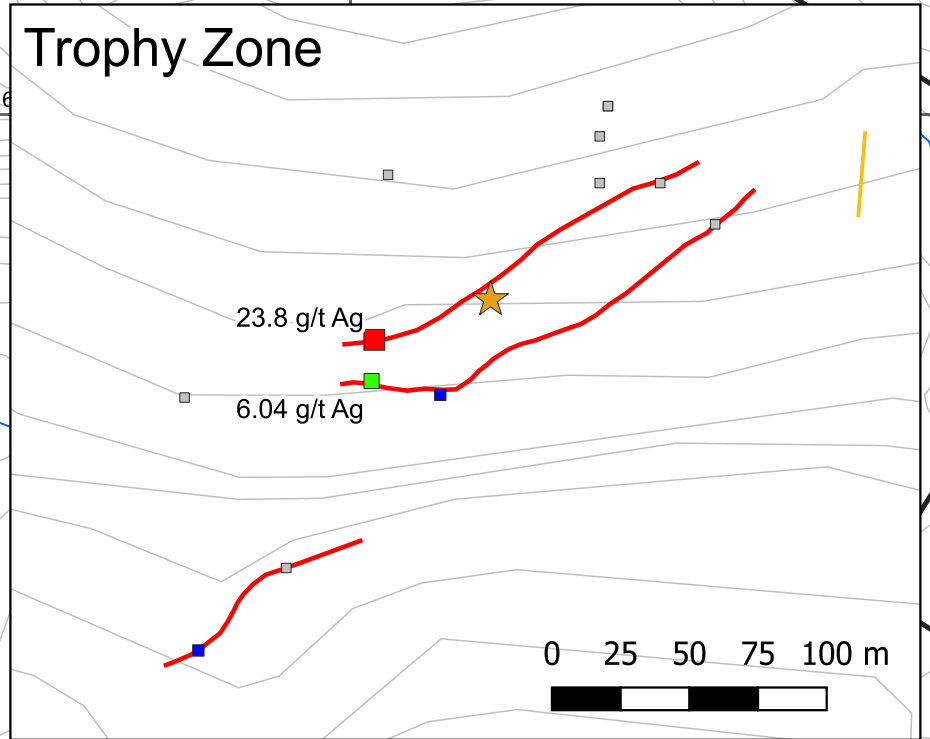
- 50.0 - 79.8
- 20.0 - 50.0
- 10.0 - 20.0
- 5.0 - 10.0
- 2.0 - 5.0
- 0.0 - 2.0

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- Vein
- Dyke
- Unknown



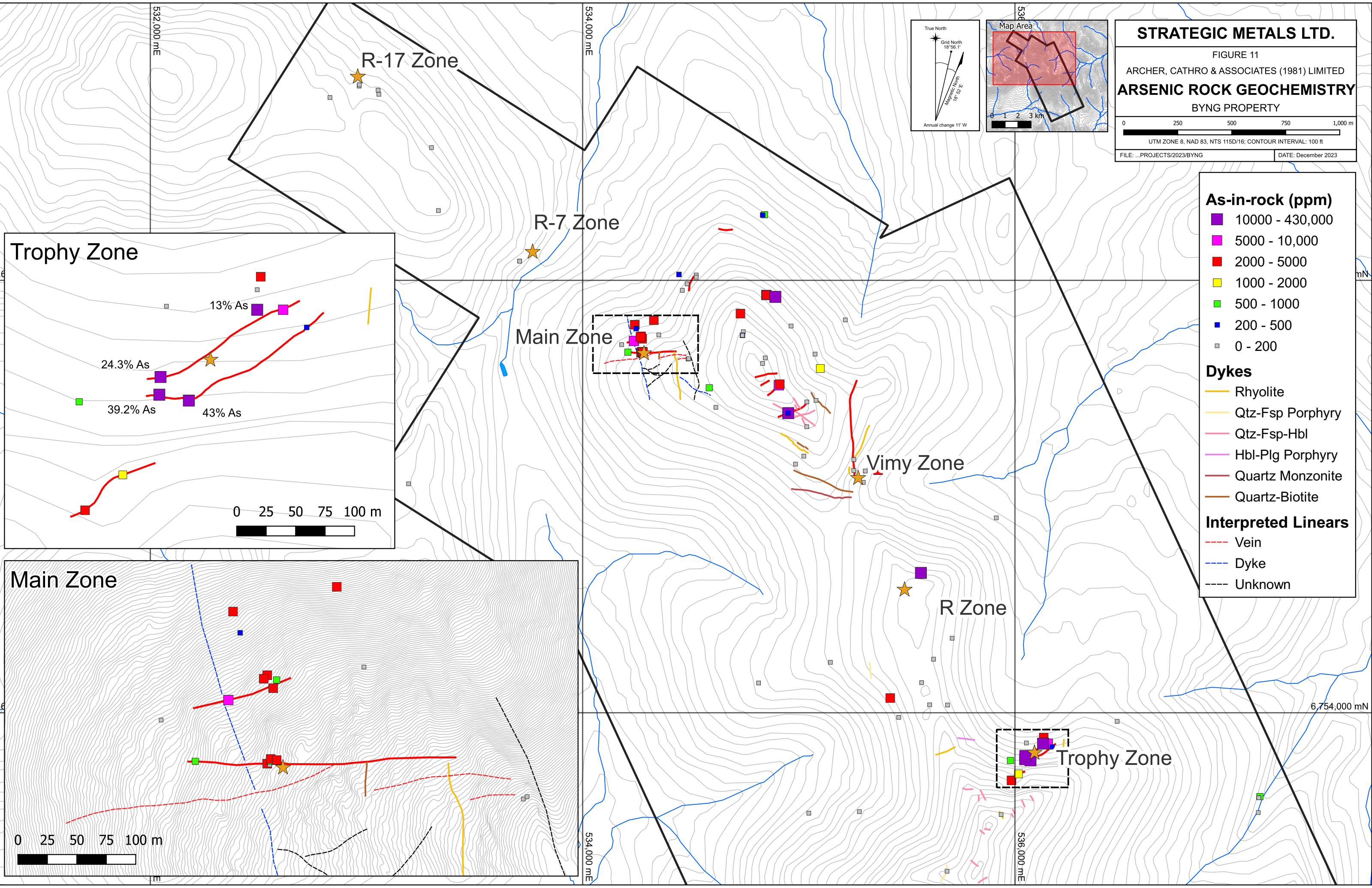
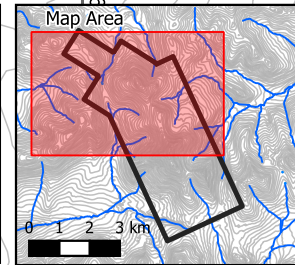
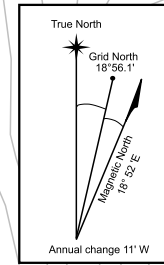
STRATEGIC METALS LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC ROCK GEOCHEMISTRY
BYNG PROPERTY

0 250 500 750 1,000 m
UTM ZONE 8, NAD 83, NTS 115D/16, CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



As-in-rock (ppm)

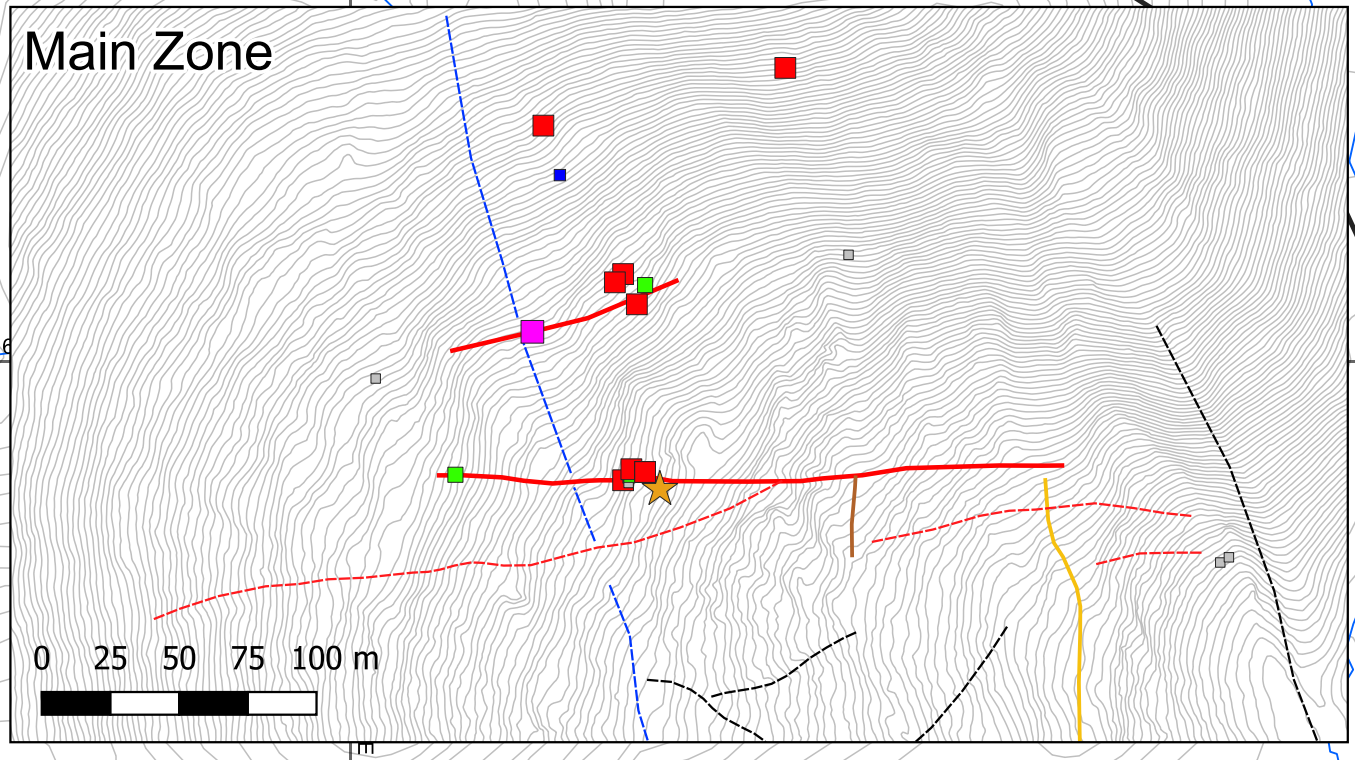
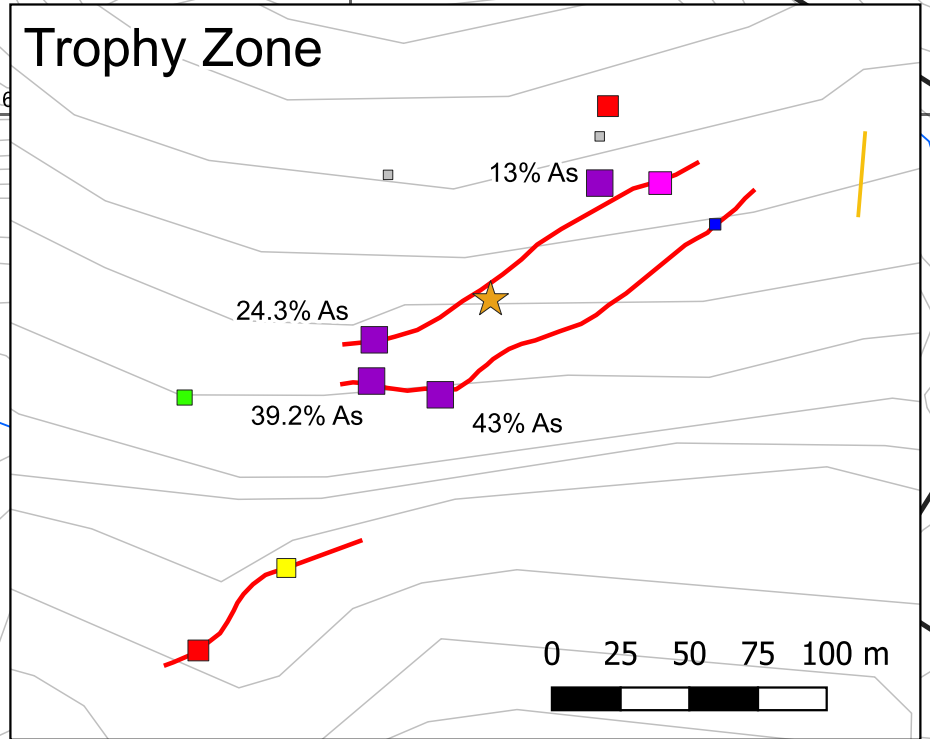
- 10000 - 430,000
- 5000 - 10,000
- 2000 - 5000
- 1000 - 2000
- 500 - 1000
- 200 - 500
- 0 - 200

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

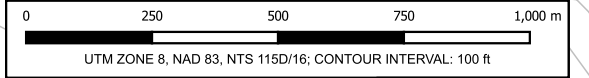
- Vein
- Dyke
- Unknown



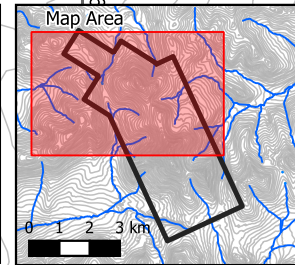
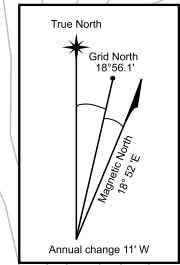
STRATEGIC METALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ANTIMONY ROCK GEOCHEMISTRY
BYNG PROPERTY



FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Sb-in-rock (ppm)

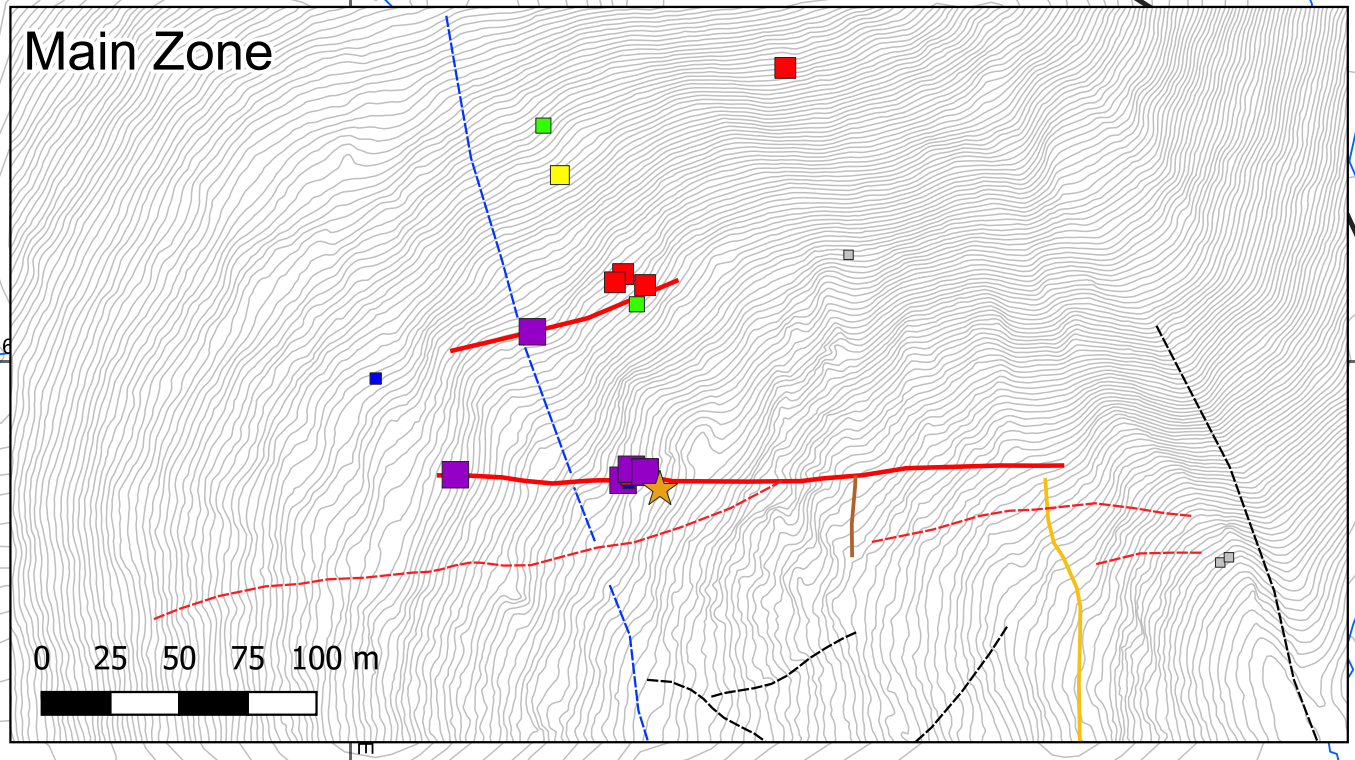
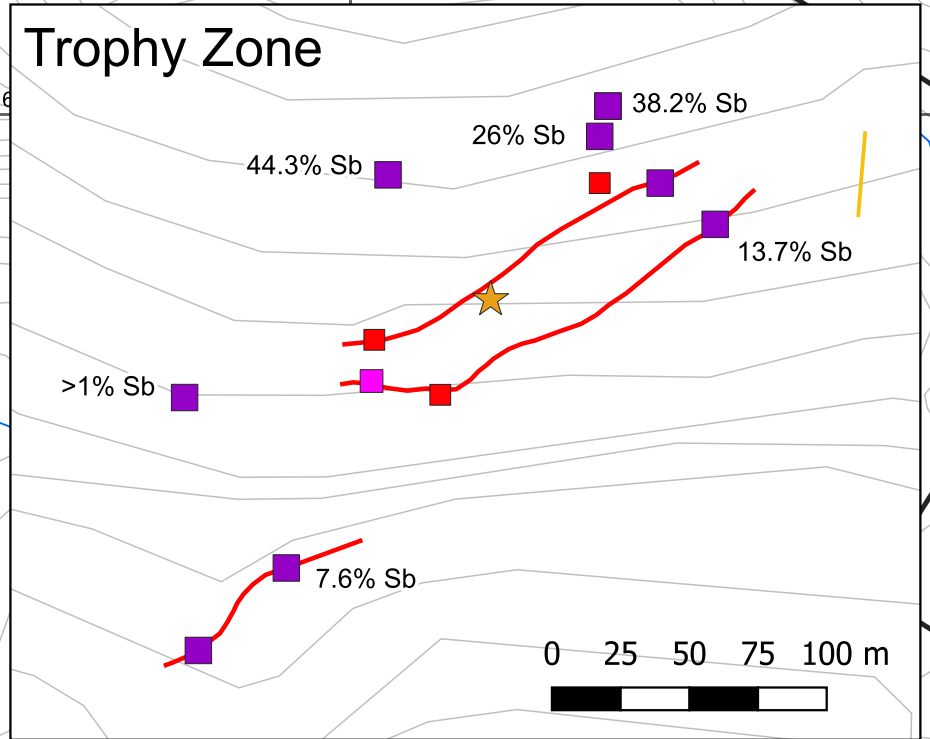
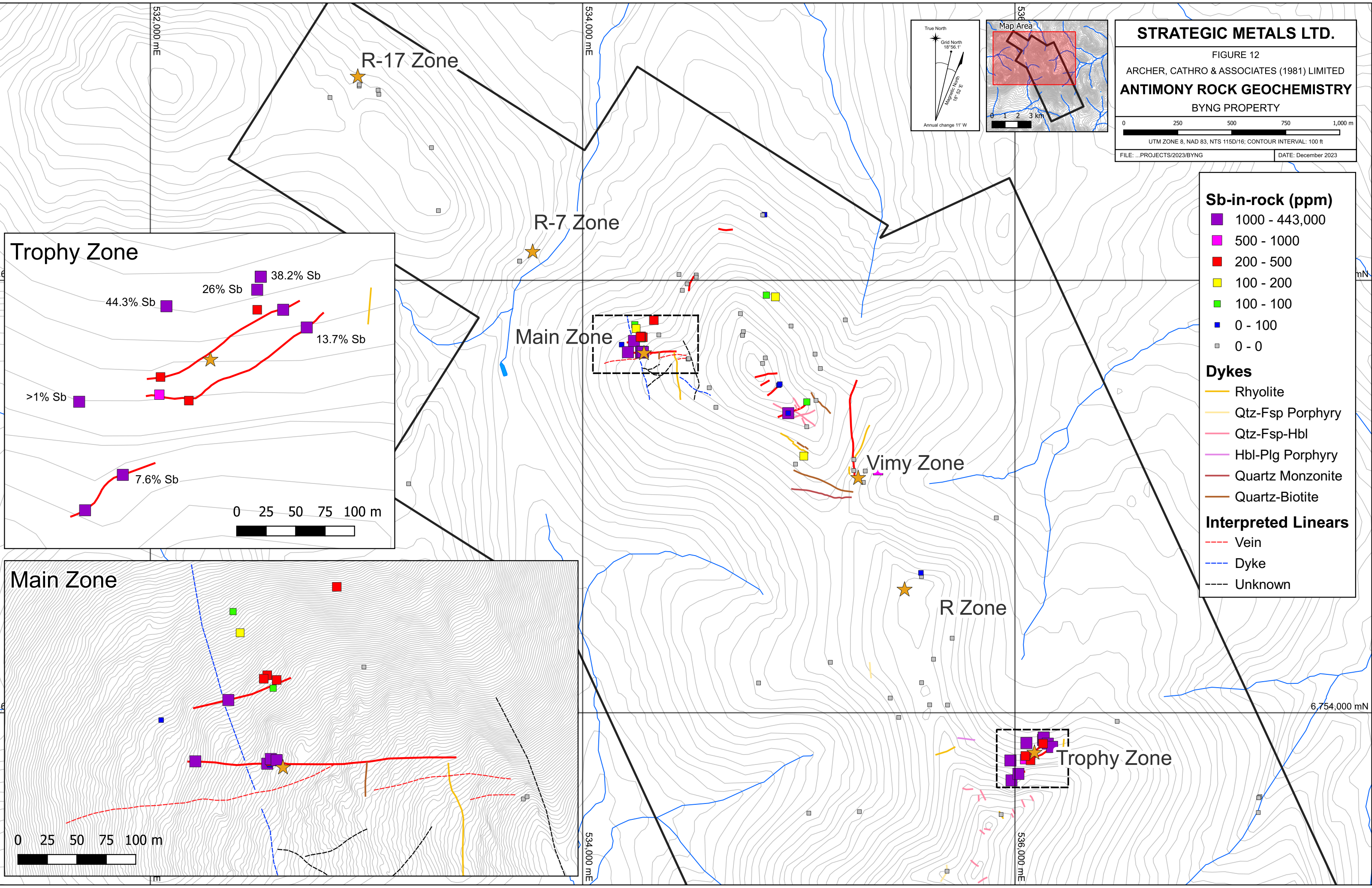
- 1000 - 443,000
- 500 - 1000
- 200 - 500
- 100 - 200
- 100 - 100
- 0 - 100
- 0 - 0

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- Vein
- Dyke
- Unknown



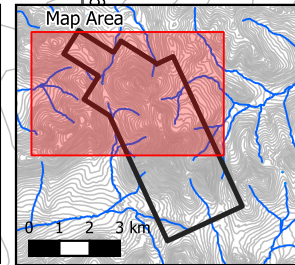
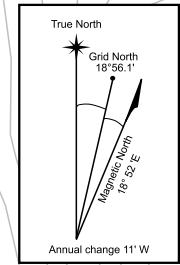
STRATEGIC METALS LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BISMUTH ROCK GEOCHEMISTRY
BYNG PROPERTY

0 250 500 750 1,000 m
UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Bi-in-rock (ppm)

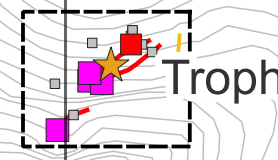
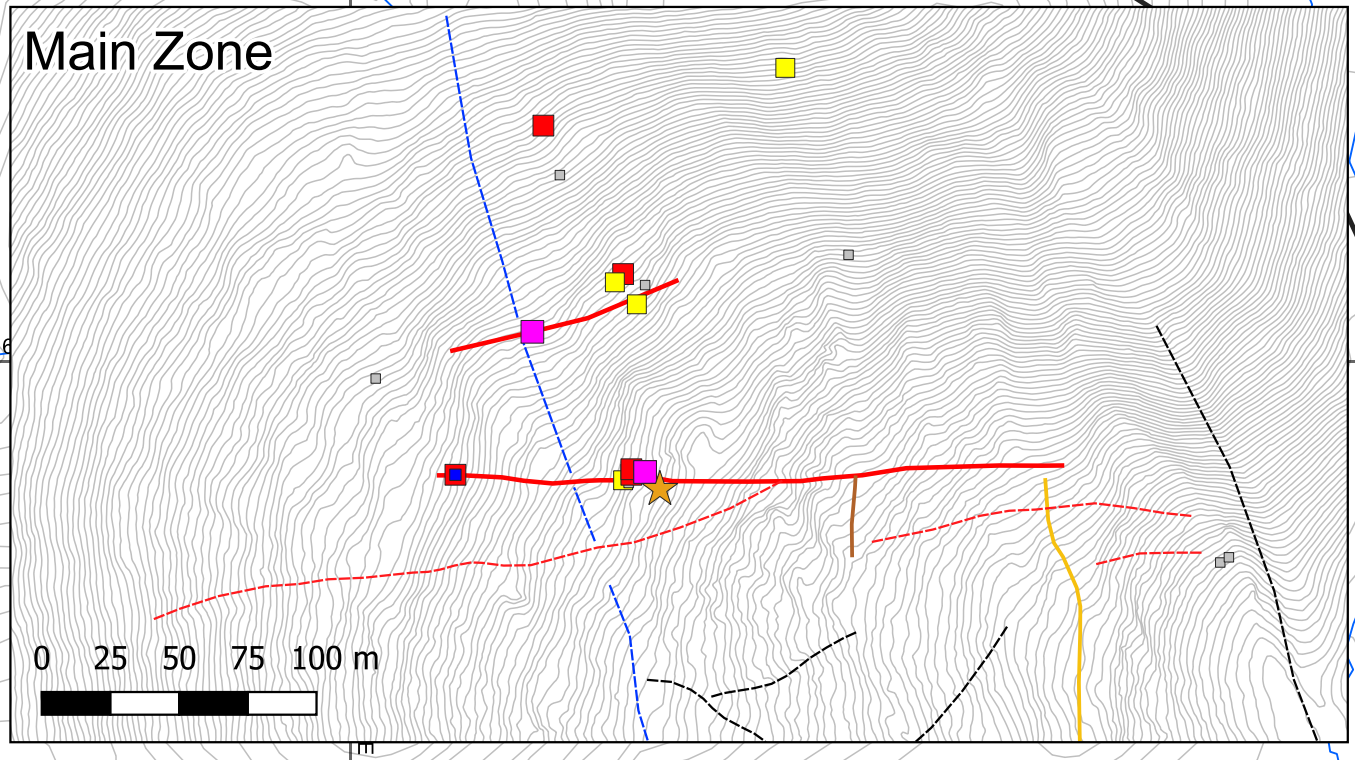
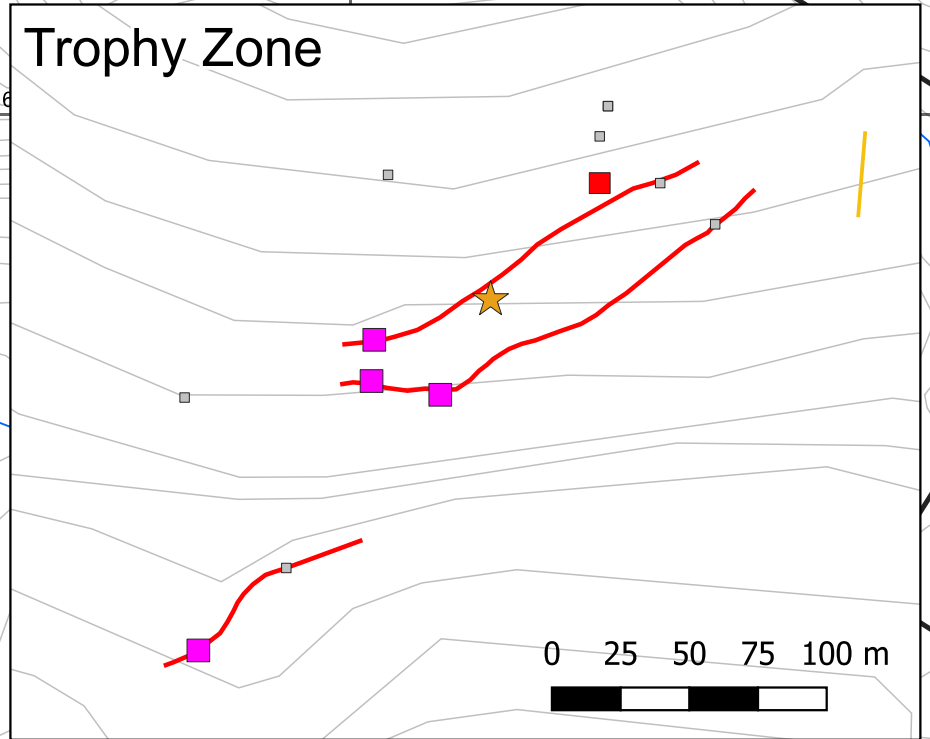
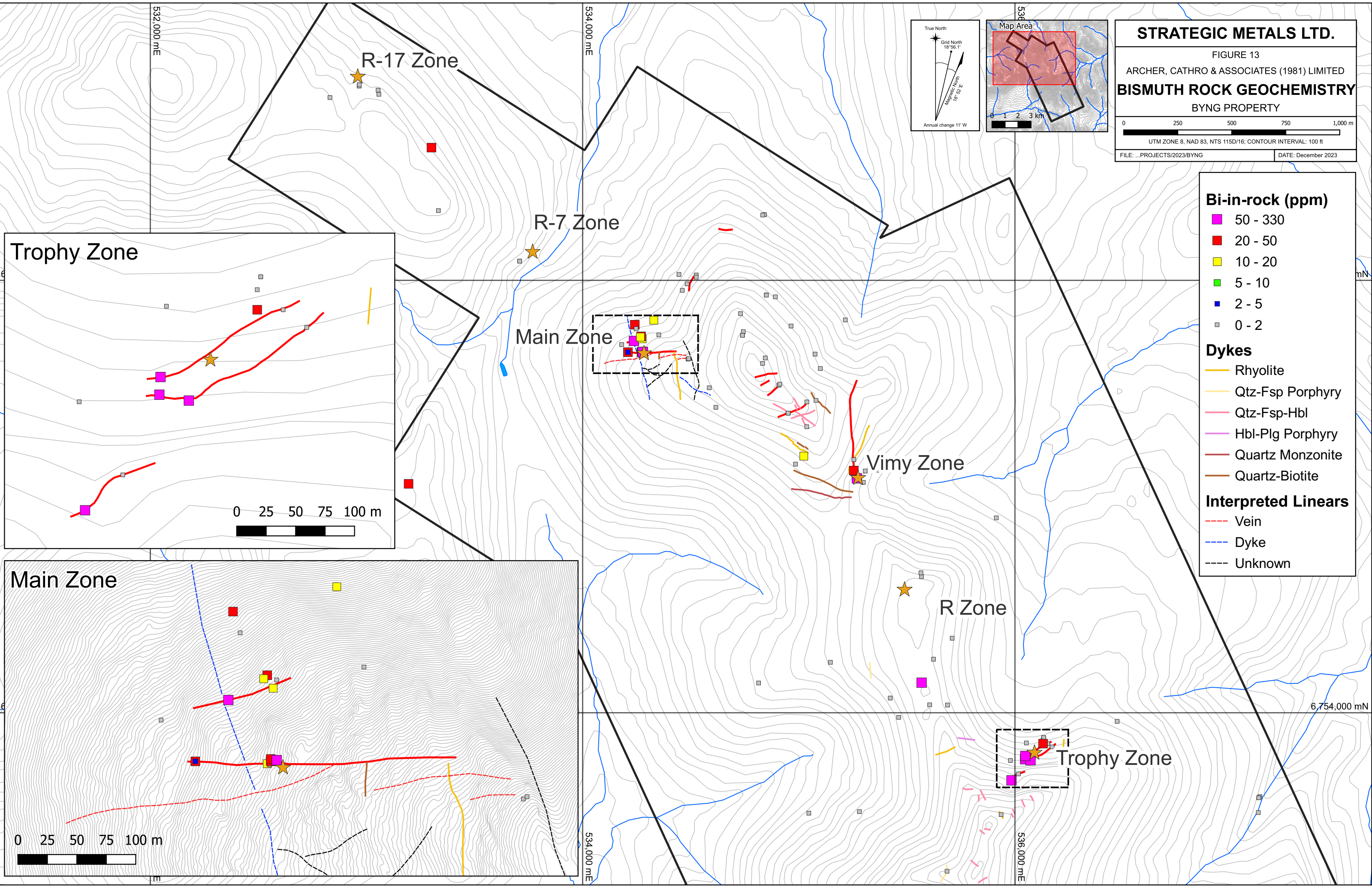
- 50 - 330
- 20 - 50
- 10 - 20
- 5 - 10
- 2 - 5
- 0 - 2

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- - - Vein
- - - Dyke
- - - Unknown



STRATEGIC METALS LTD.

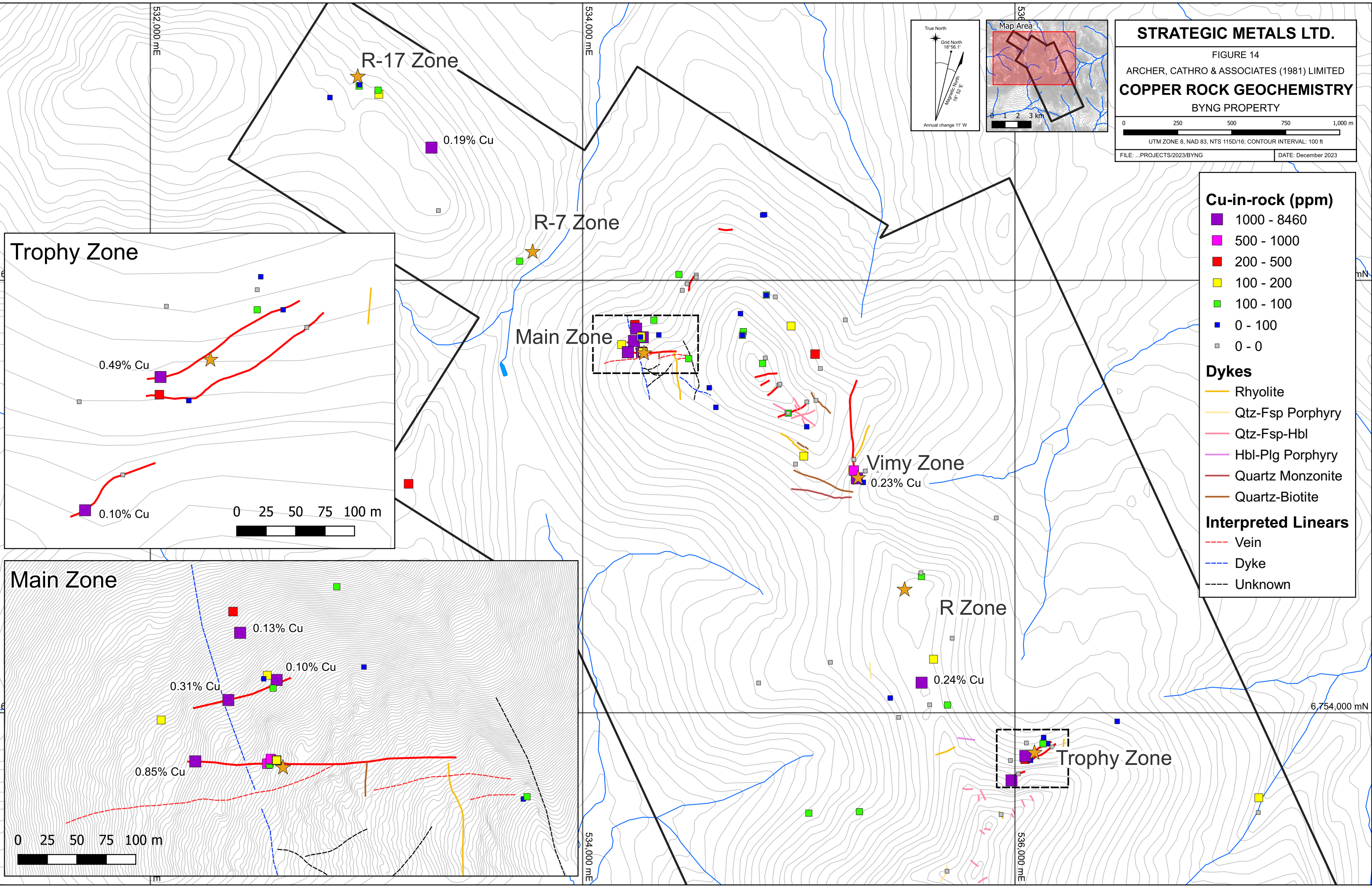
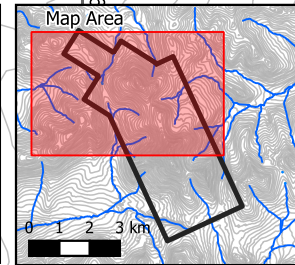
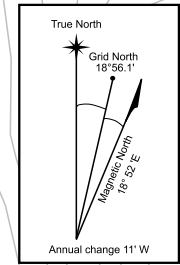
FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER ROCK GEOCHEMISTRY
BYNG PROPERTY

0 250 500 750 1,000 m

UTM ZONE 8, NAD 83, NTS 115D/16, CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Cu-in-rock (ppm)

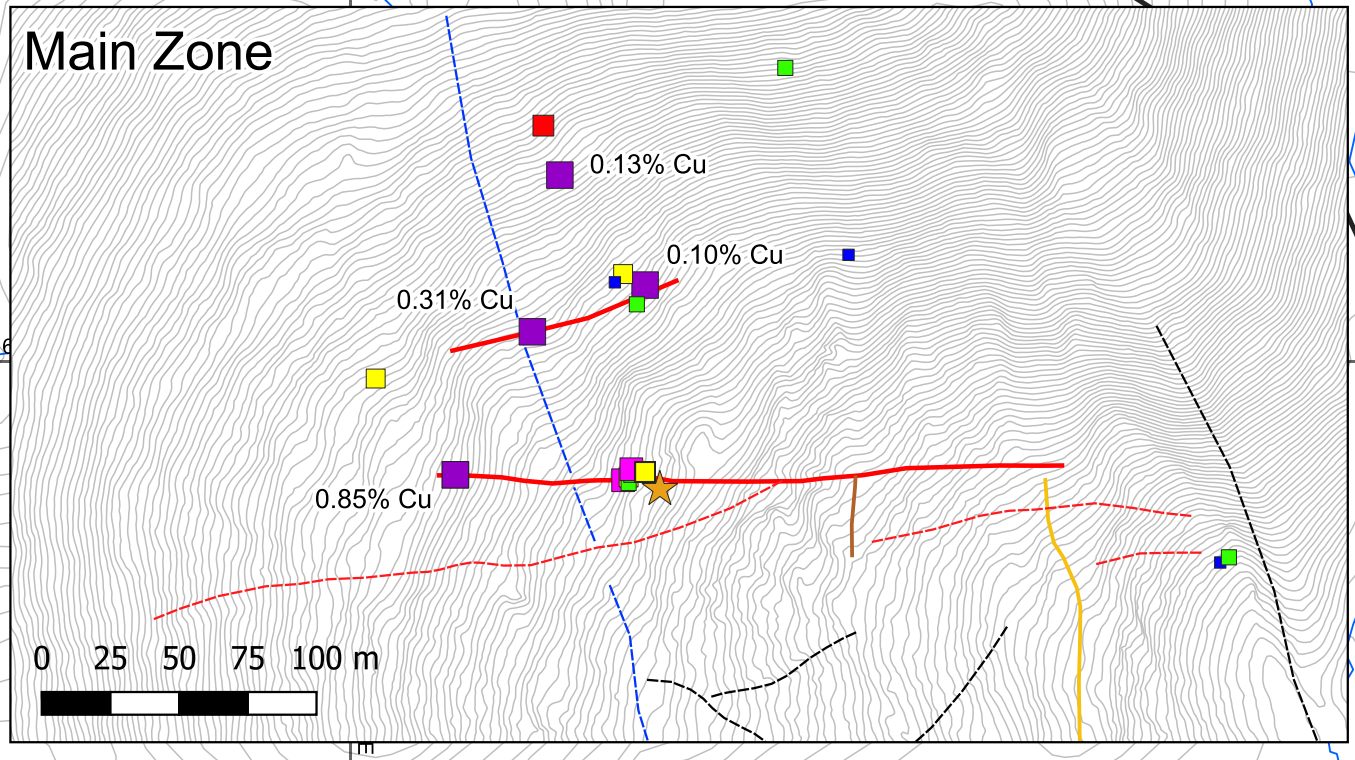
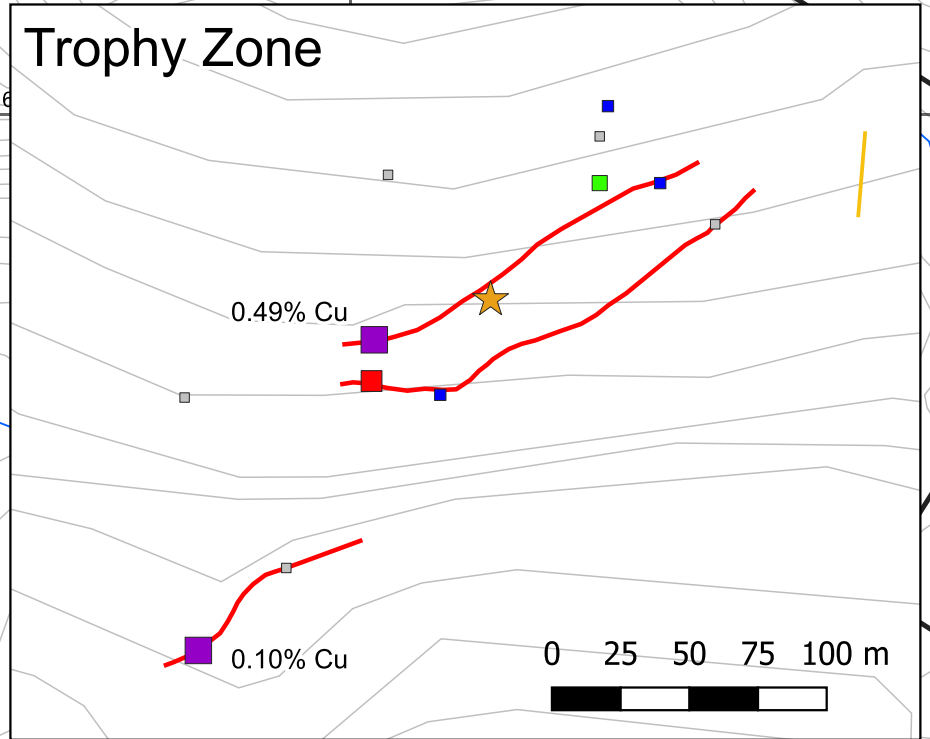
- 1000 - 8460
- 500 - 1000
- 200 - 500
- 100 - 200
- 100 - 100
- 0 - 100
- 0 - 0

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- Vein
- Dyke
- Unknown



No work was done in 2023 at the R-7 Zone.

The **Main Zone** lies approximately 850 m southeast of the R-7 Zone, on a west-facing slope located 2800 m to the north of Mt. Byng. This zone comprises a series of brecciated and vuggy quartz and quartz-carbonate veins. These veins were originally thought to be northwest-trending, shallow-dipping veins that follow a late-stage northwesterly trending fault identified by Carlyle in 1998. Geological work in 2023 has resulted in the reinterpretation of the Main Zone as a west-trending, moderately-dipping, vein system that follows prominent topographic linears observed in satellite imagery. The Main Zone lies within a swarm of north- to northwest-trending rhyolite and intrusive dykes that cut pyroxene-anorthosite gabbro.

The veins are dominantly comprised of quartz that is typically oxidized on surface, are fine-grained to coarsely euhedral, and has vuggy textures that are limonite filled. Mineralization is characterized by varying amounts of pyrite, chalcopyrite, tetrahedrite, malachite and azurite, which carry high concomitant values for gold and silver, and are strongly associated with elevated values for arsenic, bismuth and antimony and varying amounts of copper.

The Main Zone was the primary focus of historical work. Historical blast-trenching and prospecting returned up to 126.9 g/t gold, 164.5 g/t silver and 6.5% copper from vein material, but the geometry of the vein system was never adequately delineated or mapped.

In 2018, prospecting at the Main Zone outlined a 210 by 180 m area of mineralized quartz and quartz-carbonate veining. Composite chip samples of altered rhyolite and intensely oxidized and vuggy quartz hosting weathered sulphides, which were taken from re-opened historical blast-trenches, averaged 38.8 g/t gold and 32.3 g/t silver (along with highly elevated copper, antimony, bismuth and arsenic) across two metres; and 27.34 g/t gold and 20.82 g/t silver (along with highly elevated copper, antimony, bismuth and arsenic) across three metres. The best grab sample collected from the historical blast pits, a piece of intensely oxidized and vuggy quartz hosting weathered sulphides, yielded 89 g/t gold and 52 g/t silver, 3020 ppm arsenic, 115 ppm bismuth, and 1540 ppm antimony. Statistical analysis of rocks taken from the Main Zone shows that gold and silver values commonly share a nearly 1:1 ratio, while Pearson correlation is very strong (0.859). Table II compiles the most significant assay reported results from the Main Zone.

Table II - Significant Rock Results - Main Zone

Type	Sample	Year	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Sb (ppm)	Cu (ppm)
Grab	R9	1986	33.15	137	-	-	-	65,300
Grab	R10	1986	4.0	120	-	-	-	46,200
Grab	R12	1986	9.94	5	-	-	-	-
Grab	39765	1988	8.61	70.6	1474	130	373	672
Grab	128179	1990	18.4	-	-	-	-	-
Grab	Main Zone	1990	7.3	164.5	-	-	-	-
Grab	128181	1990	126.9	-	-	-	-	-
Grab	L836168	2012	13.45	35.8	2080	18.30	2670	635
Grab	S054714	2017	17.6	16.95	898	14.3	592	98.1

Grab	S054715	2017	2	22.1	550	4.84	801	23,200
Grab	W591620	2018	16.85	14.6	3610	24	93.9	387
Grab	W591625	2018	40	17.25	3480	16.05	439	62.7
Grab	W591626	2018	86.3	79.8	5410	318	1125	3120
Composite chip – 1 m	W591637	2018	27.1	25.7	811	36.3	298	98.3
Composite chip – 1 m	W591638	2018	50.6	38.9	2290	46.1	1055	766
Composite chip – 0.4 m	W591639	2018	9.47	7.94	824	1.42	261	1020
Grab	W591640	2018	12.1	12.4	3810	11.8	61.5	80.5
Grab	W591978	2018	8.15	8.11	3140	28.1	348	199
Composite chip – 1 m	W591980	2018	48.8	29	3630	67	366	207
Composite chip – 1 m	W591981	2018	2.52	1.85	1010	6.2	73.1	248
Composite chip – 1 m	W591982	2018	30.7	31.6	3200	44	2450	374
Grab	W591983	2018	89	53	3020	115	1540	188

No rock samples were collected from the Main Zone in 2023.

The **Vimy Zone** is a new vein discovered during geological mapping in 2023, located 1000 m to the east-southeast of the Main Zone on the southern edge of a large arsenic-in-soil anomaly. The vein is comprised of orange-weathering carbonate-chalcedony, which occupies a 2.5 m-wide, north-trending, recessive linear. The vein can be traced along strike for 450 m before being lost in overburden. The best exposure of this vein is found at its southern limit, where abundant metre-scale boulders of orange weathering carbonate-chalcedony are present. Towards the north, the location of the vein is defined by varying amounts of smaller float cobbles that occupy a recessive linear structure. A float sample collected along the southern limit of the vein hosting pyrite, arsenopyrite and chalcopyrite, returned 4.15 g/t gold, 29.5 g/t silver, 57 ppm bismuth, 2310 ppm copper and 496 ppm lead. A hand trench was attempted to expose the vein, but permafrost was encountered, and the trench was abandoned and reclaimed.

The **R-Zone** is situated roughly 670 m south of the Vimy Zone, along a northerly trending ridge adjoining Mt. Byng. It is made up of a 30 m-wide, northeast-trending, rhyolite dyke found along the ridge, and gossanous quartz-carbonate breccia float trains on the adjacent north-facing slope. The dykes and breccia are hosted within Joe Mountain basalts, near a contact with pyroxene gabbro. The dykes are largely masked by volcanic talus and felsensmeer. Historical exploration work reports that the R-Zone hosts a range of sulphide minerals, including pyrite, arsenopyrite, chalcopyrite, molybdenite and pyrrhotite. A historical rock sample of brecciated quartz-carbonate vein material with strong limonite weathering returned 58.3 g/t gold. Due to limited exposure at the R-Zone, the original showing has never been relocated. Table III compiles assay results from the R-Zone.

Table III - Significant Rock Results - R-Zone

Type	Sample	Year	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Sb (ppm)	Cu (ppm)
Grab	R12	1986	58.3	5.0	-	-	-	-
Grab	W591643	2018	0.357	1.63	11,135	0.15	30.6	14.5
Grab - float	W591644	2018	0.371	8.36	76	87.6	2.41	2380

The **Trophy Zone** is located 700 m southeast of the R-Zone, on the northern flank of Mt. Byng. This zone contains two distinct types of veins hosted within the Joe Mountain Formation, which can be traced intermittently along strike by outcrop and float for approximately 200 m.

The first vein type comprises three northeasterly trending, shallowly to moderately dipping, banded quartz veins. The veins range from 8 to 30 cm wide and are characterized by massive stibnite that has been weathered to cervantite on surface exposures. No precious metals are present within these veins, but they contain incredibly high values of antimony. Seven samples of vein material with massive stibnite collected along the 200 m strike length returned an average grade of 19.4% antimony, with peak values of 44.3 % antimony.

The second set of veins comprises two gold-bearing veins: massive arsenopyrite veins and banded quartz veins hosting disseminated pyrite and arsenopyrite. The veins range from 12 to 30 cm wide and have been traced along strike for 10 to 35 m before being buried beneath talus. These veins display patches of intense oxidation on weathered surfaces and are characterized by nearly massive arsenopyrite with lesser pyrite and chalcopyrite. Disseminated arsenopyrite is also found locally in quartz vein float and the surrounding gabbroic wallrocks. Samples from these veins returned up to 10.9 g/t gold, 430,000 ppm arsenic, 359 ppm antimony and 142 ppm bismuth.

Table IV compiles the most significant results from the Trophy Zone.

Table IV - Significant Rock Results - Trophy Zone

Type	Sample	Year	Au (g/t)	Ag (g/t)	As (ppm)	Bi (ppm)	Sb (ppm)	Cu (ppm)
Grab - float	W591647	2018	0.004	0.1	39.6	0.28	260,000	14
Grab - float	W591648	2018	0.002	0.06	12.6	0.78	382,000	15.4
Grab - float	W591649	2018	0.017	0.08	3770	0.23	50,500	20.4
Grab – outcrop	W591650	2018	0.02	0.51	8740	0.04	1240	36.9
Grab – outcrop	W591971	2018	0.004	0.09	265	0.13	137,000	15.4
Grab – float	W591972	2018	0.005	0.13	42	0.12	443,000	7.6
Grab – float	W591973	2018	0.003	0.15	818	0.64	>10,000	15.7
Grab – float	W591974	2018	10.7	3.85	2390	142	1325	1050
Grab – outcrop	W591975	2018	0.007	0.08	1385	0.1	76,200	19
Grab - float	W591976	2018	6.01	6.04	392,000	241	626	411
Grab – outcrop	W591977	2018	10.9	3.99	430,000	142	359	28.1
Grab – outcrop	W591985	2018	8.55	24	243,000	330	200	4870
Grab - float	W591986	2018	3.23	0.52	130,000	24	202	85.1

Approximately 750 m southeast of the Main Zone, on a ridge between it and the Vimy Zone, a recessive topographic linear hosts orange-weathering quartz-carbonate and quartz boxwork vein fragments. A sample of quartz-carbonate float with fine-grained disseminated stibnite and arsenopyrite returned 0.387 g/t gold, 8480 ppm antimony and greater than 10,000 ppm arsenic. This linear can be traced along strike for approximately 160 m.

Abundant localized quartz-carbonate vein float trains and chalcedonic vein float are found on the north facing slope east of the Main zone. These float trains lie within a large arsenic-in-soil anomaly that covers much of the slope. No bedrock source was found for these veins, but they returned elevated values for gold and high values of arsenic. The best samples, taken from quartz-carbonate vein float trains approximately 50 m apart, returned 0.52 g/t gold with greater than 10,000 ppm arsenic, and 0.53 g/t gold with 2900 ppm arsenic.

SOIL GEOCHEMISTRY

Soil geochemical surveys were conducted within the area now covered by the Byng property in 1986, 1988, 1990, 1995, 1996, 1998, 2012 and 2018. Most soil samples collected before 2012 were only analyzed for gold.

No soil samples were collected during the 2023 exploration program. Results from all programs for gold, arsenic, silver and antimony, where available, are plotted on Figures 15 to 18, respectively. Anomalous thresholds and peak values for metals of interest are listed in Table V.

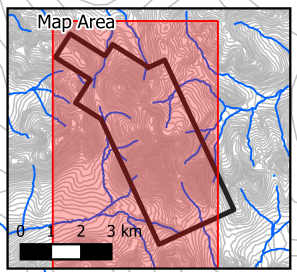
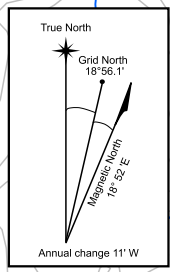
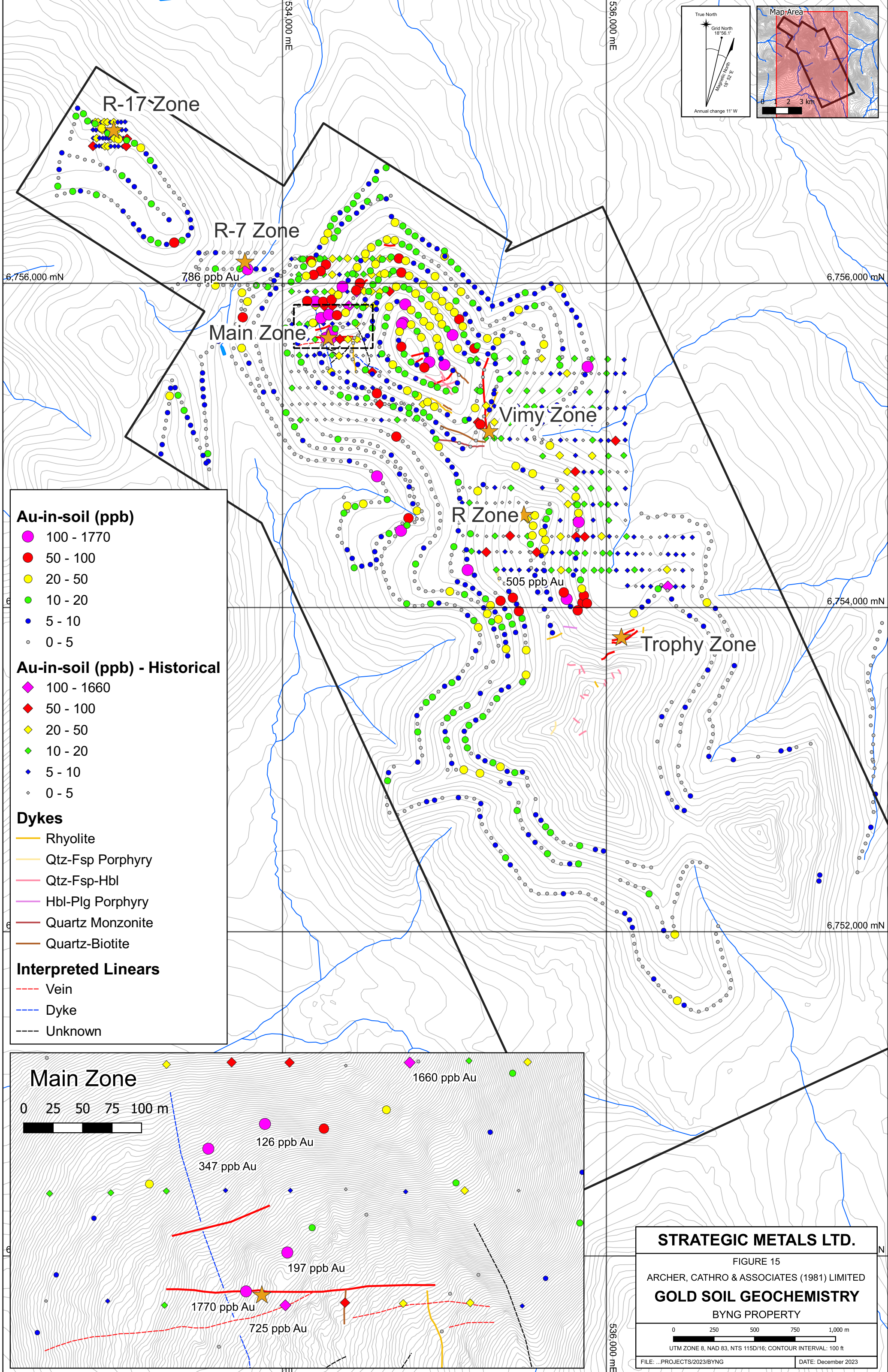
Table V – Soil Geochemical Thresholds

Element	Weak	Moderate	Strong	Peak	2018 Peak
Gold (ppb)	≥ 20 < 50	≥ 50 < 100	≥ 100	1770	786
Arsenic (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200	3420	1135
Silver (ppm)	≥ 1 < 2	≥ 2 < 5	≥ 5	30	2.33
Antimony (ppm)	≥ 1 < 5	≥ 5 < 10	≥ 10	353	353

Soil geochemical results highlight three major areas in the northern and central parts of the property, which are anomalous for gold, arsenic, silver and antimony. These anomalies encompass the Main, R and Trophy Zones and extend beyond the current bounds of known mineralization. Scattered clusters of elevated gold are also present elsewhere on the property. The strongest soil geochemical response lies in the north-central part of the property and is a 1200 by 1000 m area of high gold-arsenic-antimony values, centered 400 m to the east of the Main Zone. It is characterized by two distinct signatures. The first signature encompasses the Main Zone and is a 450 by 400 m area with strongly anomalous gold (up to 1770 ppb), arsenic (up to 877 ppm), silver (up to 3.9 ppm) and antimony (up to 157.5 ppm) values. This signature transitions towards the east into a broad arsenic anomaly (up to 896 ppm) with clusters of strong gold (up to 156 ppb), silver (up to 3.4 ppm) and antimony (up to 35.8 ppm) values.

On the northeastern edge of the R-Zone, elevated gold-arsenic-antimony response closely follows the trend of rhyolite dykes and gossanous quartz-carbonate breccia. Soil samples taken at the base of the ridge returned up to 156 ppb gold, 732 ppm arsenic and 12.35 ppm antimony.

Soil sampling on the southern edge of the R-Zone and along the base of the talus slope at the Trophy Zone has delineated a linear, westerly to southwesterly trending area characterized by strong gold (up to 505 ppb), arsenic (up to 1725 ppm) and antimony (up to 353 ppm) response.



Au-in-soil (ppb)

- 100 - 1770
- 50 - 100
- 20 - 50
- 10 - 20
- 5 - 10
- 0 - 5

Au-in-soil (ppb) - Historical

- ◆ 100 - 1660
- ◆ 50 - 100
- ◆ 20 - 50
- ◆ 10 - 20
- ◆ 5 - 10
- ◆ 0 - 5

Dykes

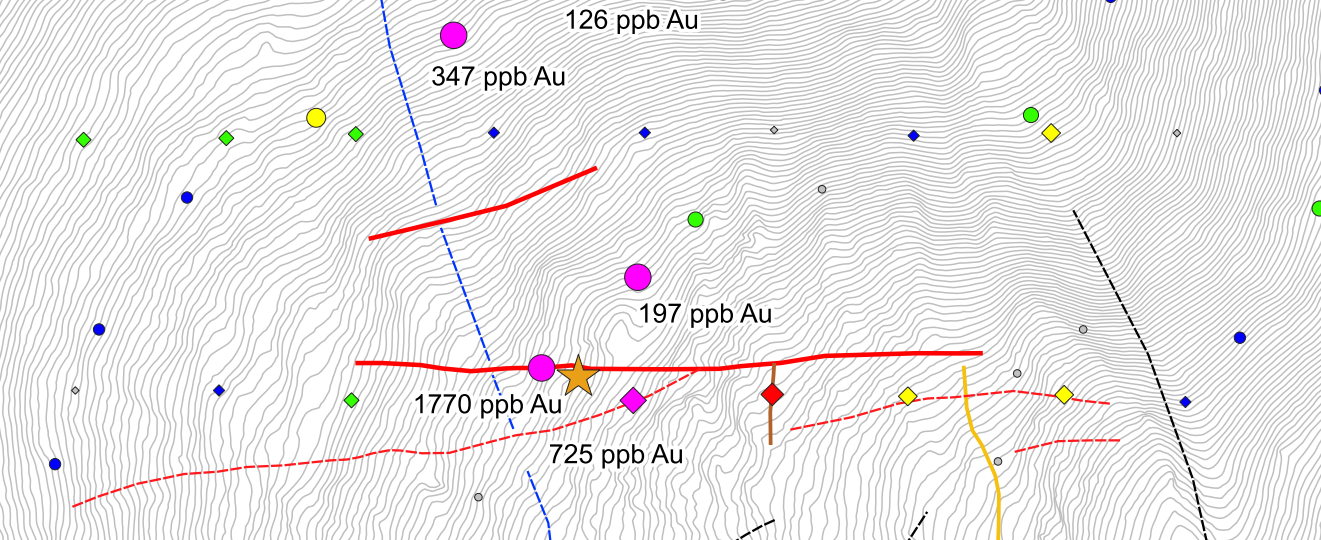
- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- - - Vein
- - - Dyke
- - - Unknown

Main Zone

0 25 50 75 100 m



STRATEGIC METALS LTD.

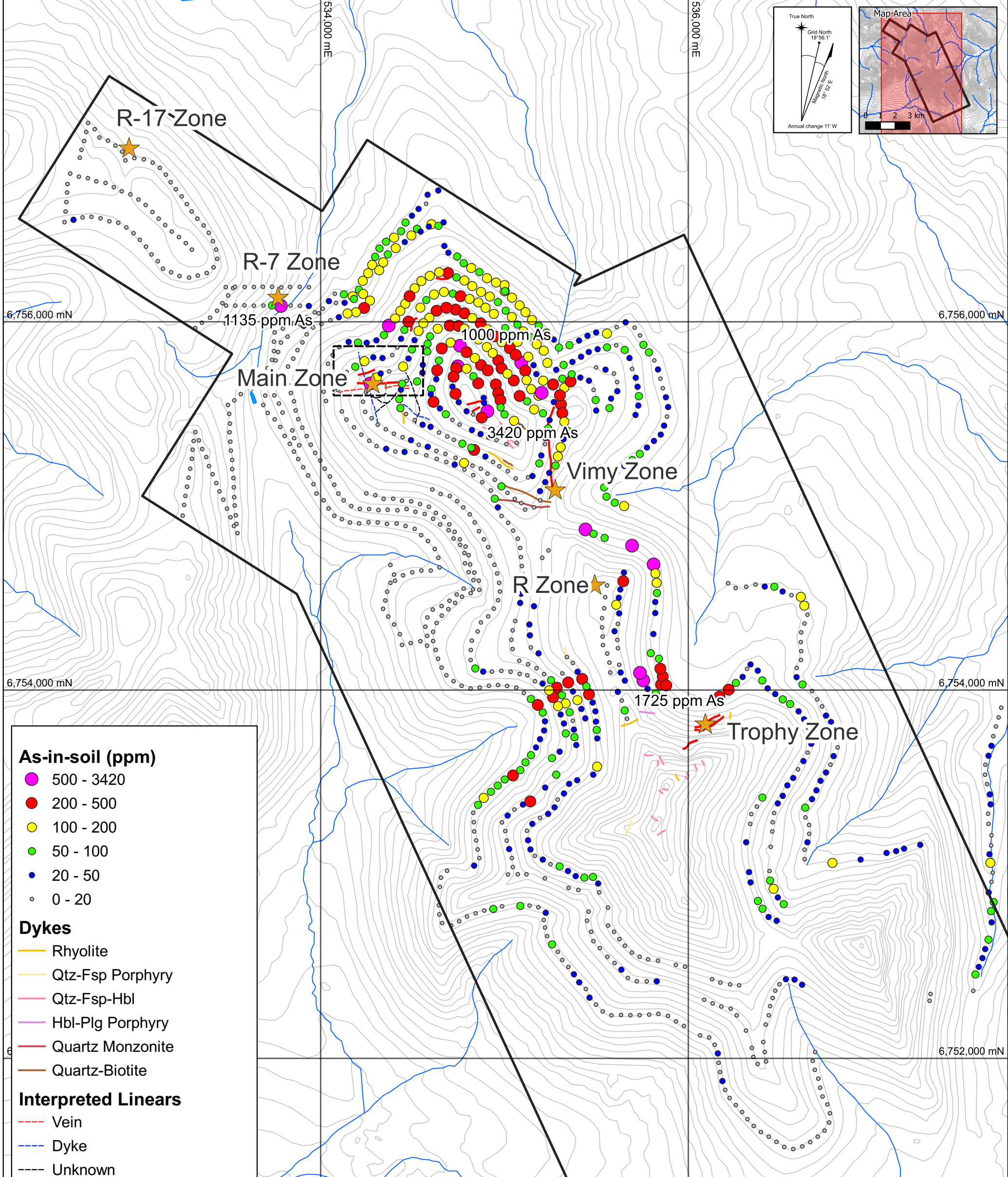
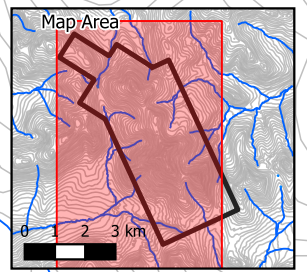
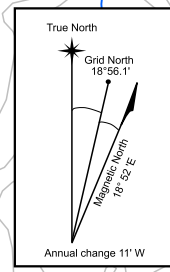
FIGURE 15
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
 BYNG PROPERTY

0 250 500 750 1,000 m

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG

DATE: December 2023



As-in-soil (ppm)

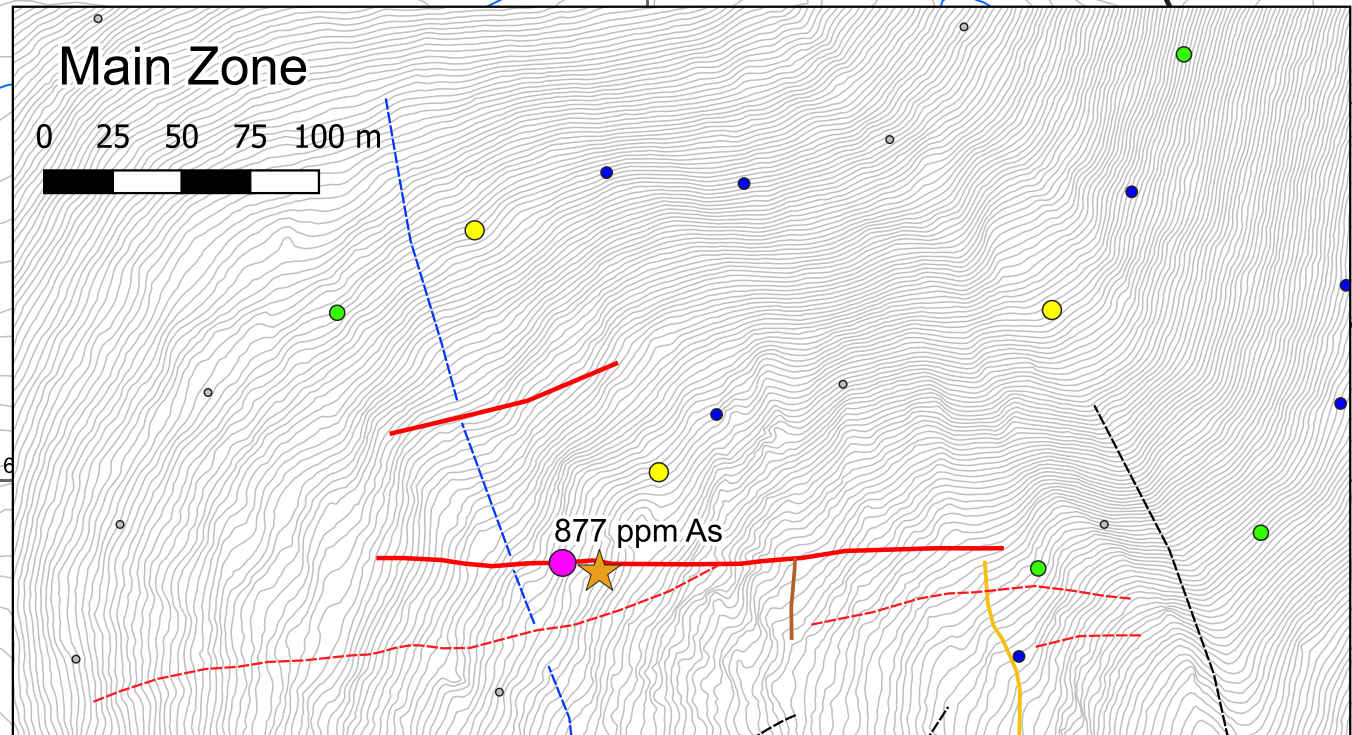
- 500 - 3420
- 200 - 500
- 100 - 200
- 50 - 100
- 20 - 50
- 0 - 20

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- - - Vein
- - - Dyke
- - - Unknown



STRATEGIC METALS LTD.

FIGURE 16

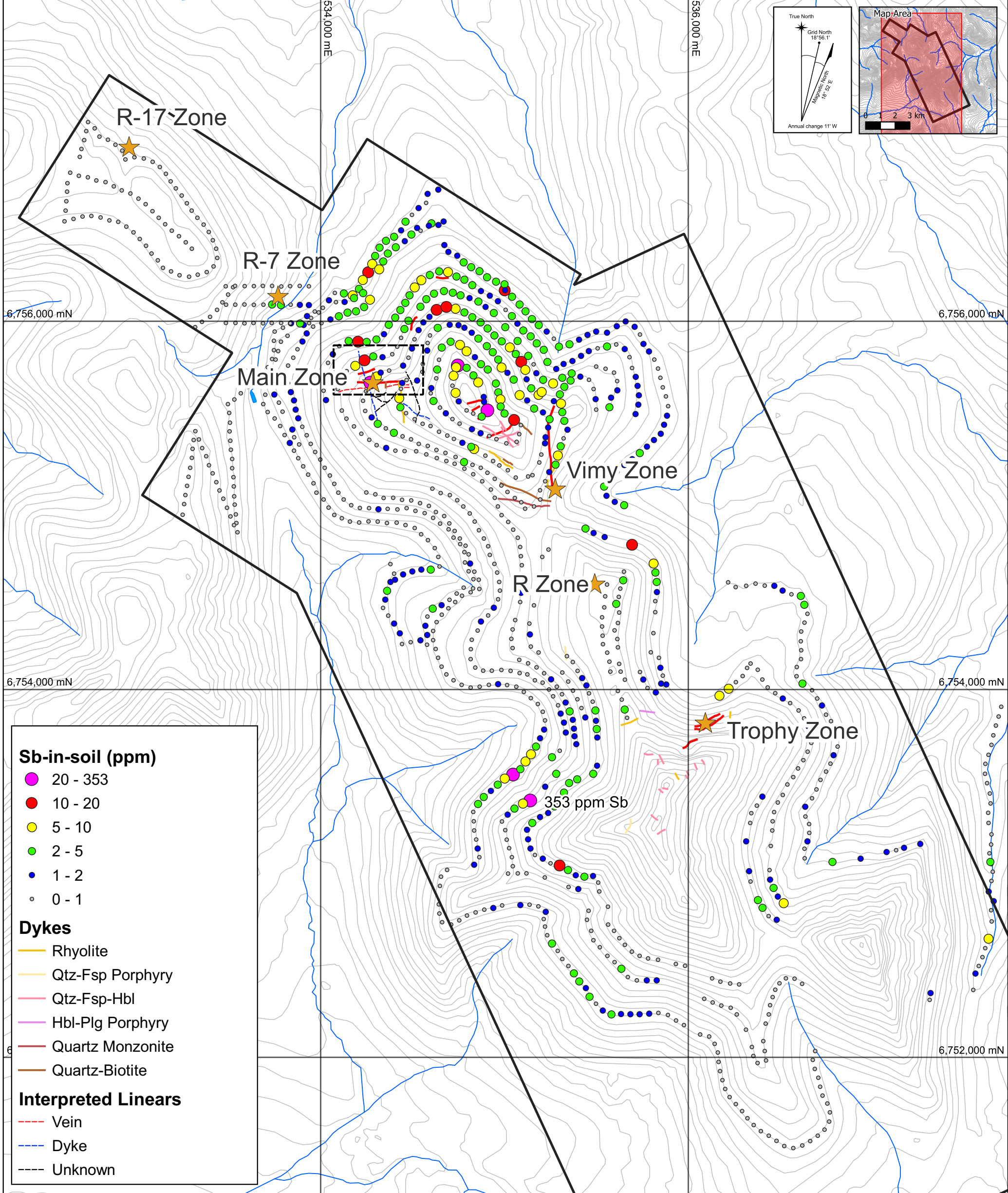
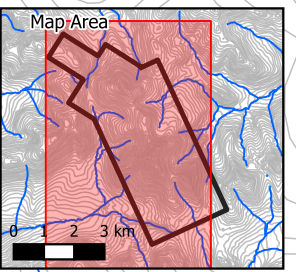
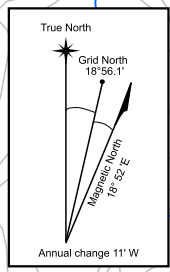
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ARSENIC SOIL GEOCHEMISTRY

BYNG PROPERTY

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Sb-in-soil (ppm)

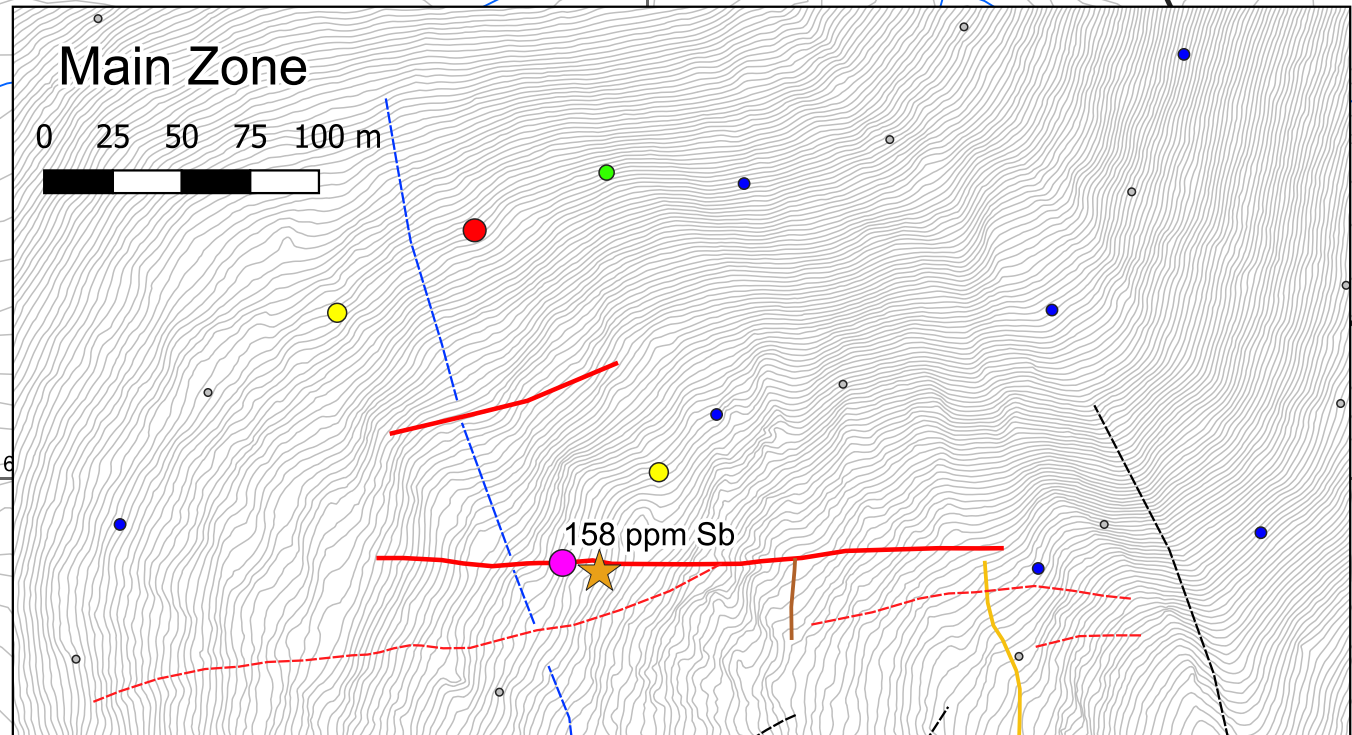
- 20 - 353
- 10 - 20
- 5 - 10
- 2 - 5
- 1 - 2
- 0 - 1

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- - - Vein
- - - Dyke
- - - Unknown



STRATEGIC METALS LTD.

FIGURE 17

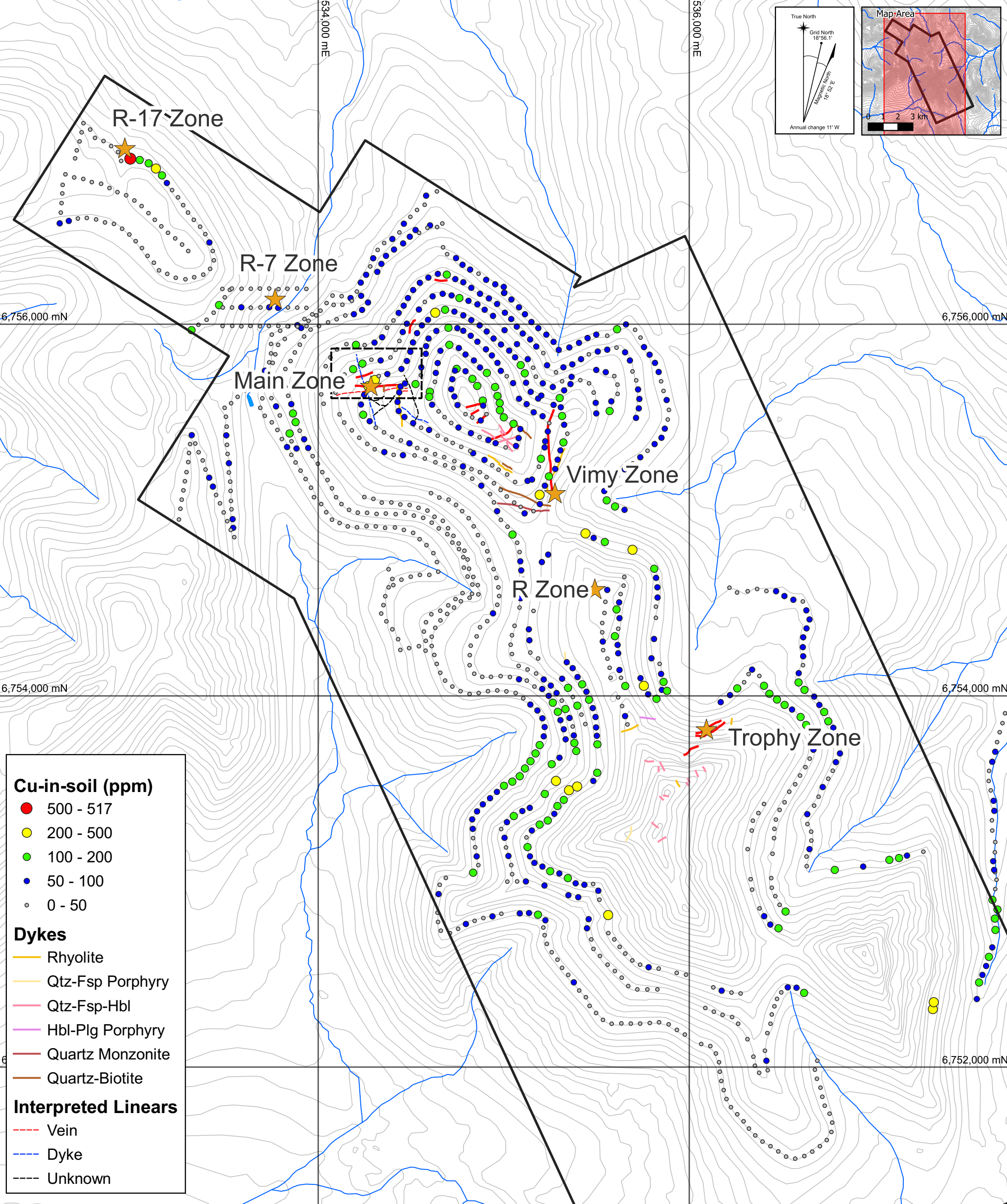
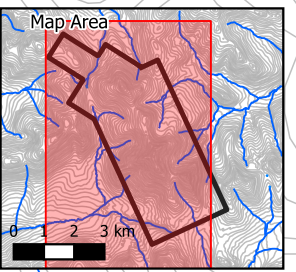
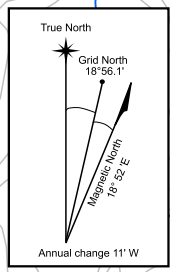
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANTIMONY SOIL GEOCHEMISTRY

BYNG PROPERTY

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023



Cu-in-soil (ppm)

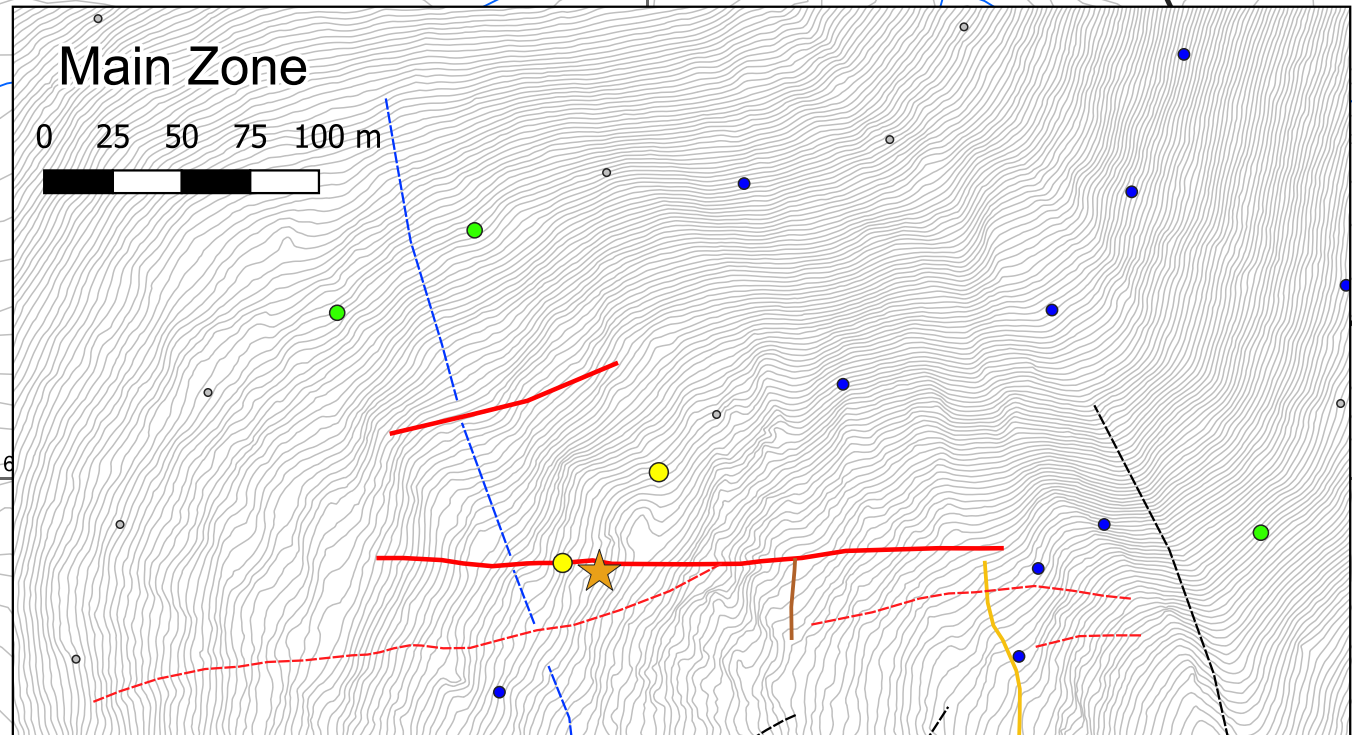
- 500 - 517
- 200 - 500
- 100 - 200
- 50 - 100
- 0 - 50

Dykes

- Rhyolite
- Qtz-Fsp Porphyry
- Qtz-Fsp-Hbl
- Hbl-Plg Porphyry
- Quartz Monzonite
- Quartz-Biotite

Interpreted Linears

- - - Vein
- - - Dyke
- - - Unknown



STRATEGIC METALS LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER SOIL GEOCHEMISTRY

BYNG PROPERTY

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023

This linear trend is oriented subparallel to gold-bearing veins and rhyolite dykes at the R- and Trophy Zones.

GEOPHYSICS

In 1988 and 1990, Fraser-filtered VLF surveys were conducted over the Main Zone, R-Zone and R-17 Zone. VLF data from the Main Zone shows a strong north-trending conductor along the eastern edge of the showing, which appears in Figure 13. The R-Zone also has strong northerly conductors, but they could not be digitized due to missing baseline information. VLF response at the R-17 Zone was not significant.

In 2006, New Shoshoni commissioned Geotech Ltd. of Aurora, Ontario to fly a helicopter-borne VTEM and magnetic survey over the Byng 1 to 20 claims, and surrounding area.

The magnetic data is strongly influenced by topography. Magnetic highs coincide with topographic highs while magnetic lows overlap topographic lows. There is no definitive correlation between magnetic susceptibility and mapped lithological units or structures; however, northerly and northwesterly trending faults around the R-17 Zone locally correspond to magnetic lows and anorthosite bodies are coincident with discrete magnetic highs.

The VTEM response is relatively flat across the property.

LiDAR SURVEY

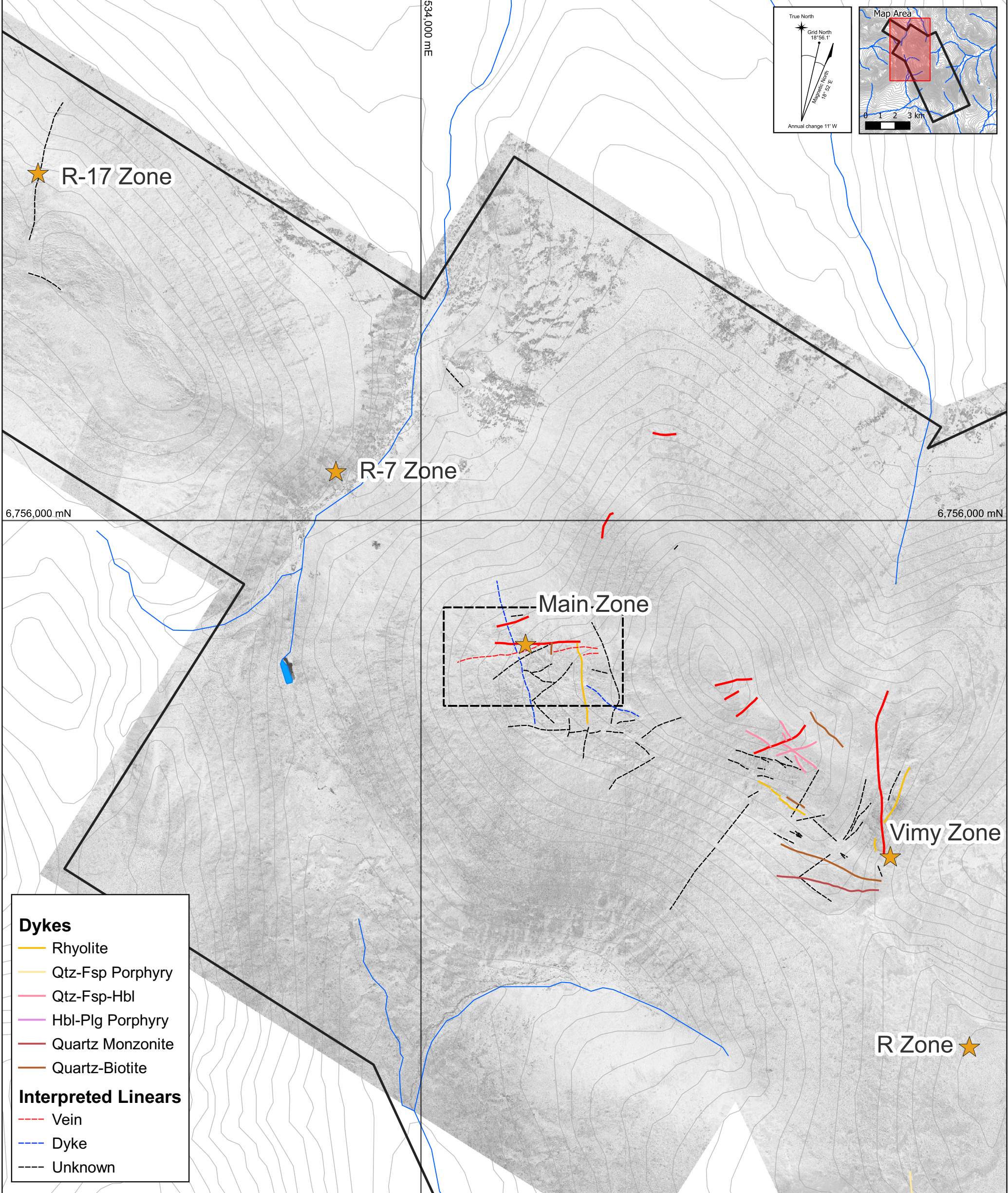
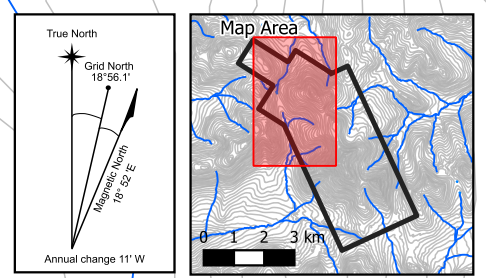
In 2015, Eagle Mapping Ltd. flew a helicopter-borne LiDAR survey over the Byng property. This survey produced elevation contours, a digital elevation model and digital surface model at one metre resolution, along with a LiDAR intensity map. Full survey details can be found in Burrell, 2015.

LiDAR imagery, along with compiled historical mapping, outlines prospective lineaments on the Byng property that represent faults or vein structures. Figure 19 illustrates linear features generated from LiDAR imagery.

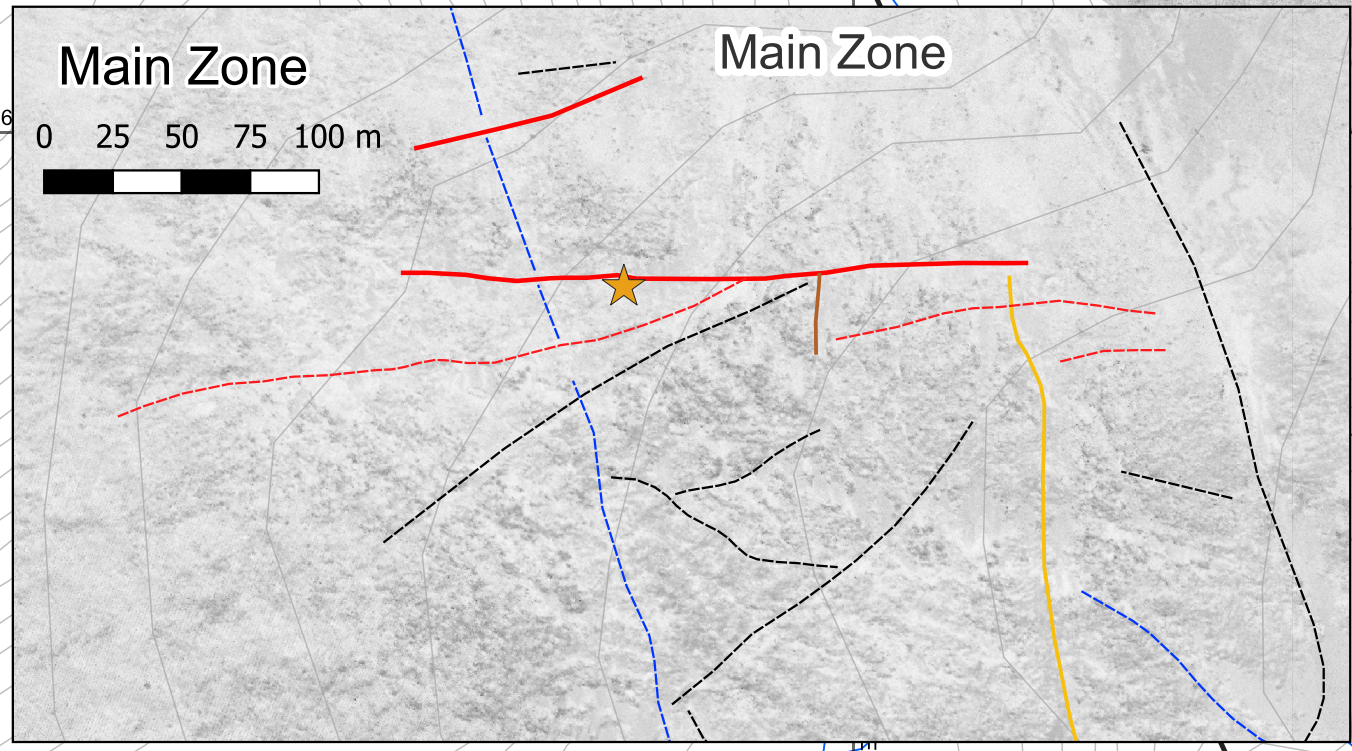
DISCUSSION AND CONCLUSIONS

The Byng property covers a series of fault-controlled, gold-, silver-, and antimony-bearing epithermal veins located within volcanic and high-level intrusive rocks that are cut by a swarm of later dykes and regional-scale faults.

Soil sampling to date has successfully delineated linear trends and clusters of strongly anomalous gold with associated pathfinder elements such as arsenic, copper and antimony. Many of these multi-element soil anomalies have not been followed up with hand pitting, trenching or other exploration methods and remain compelling targets. The largest of these anomalies, a large arsenic-antimony anomaly in the north-central part of the property that flanks the Main Zone (and associated gold-in-soil anomaly), has only seen early-stage surface evaluation work and has not yet been adequately tested. This anomaly is especially intriguing because it carries all of the



- Dykes**
- Rhyolite
 - Qtz-Fsp Porphyry
 - Qtz-Fsp-Hbl
 - Hbl-Plg Porphyry
 - Quartz Monzonite
 - Quartz-Biotite
- Interpreted Linears**
- - - Vein
 - - - Dyke
 - - - Unknown



STRATEGIC METALS LTD.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LIDAR SURVEY AND LINEARS

BYNG PROPERTY

UTM ZONE 8, NAD 83, NTS 115D/16; CONTOUR INTERVAL: 100 ft

FILE: ...PROJECTS/2023/BYNG DATE: December 2023

indicator elements (arsenic, antimony, bismuth, with relatively low and sporadic gold) associated with the high-level expression of a buried epithermal system.

Prospecting in the north-central part of the property discovered a new zone, the Vimy Zone, which is a quartz-carbonate-chalcedony vein that follows a prominent recessive linear found on the flank of the broad arsenic-in-soil anomaly. Recent prospecting by Strategic Metals in 2018 at the Main Zone, which has been sporadically explored since 1986, yielded high-grade gold and silver values from re-opened trenches and newly discovered float trains. The Main Zone was not a focus for the 2023 program, but remains the most compelling and high-grade target on the property and deserves additional detailed work to fully delineate.

The Byng property shows numerous characteristics consistent with a high level epithermal systems, including: 1) multiple stages of regional-scale faulting, which likely acting as conduits for rhyolite dykes and associated mineralization; 2) vuggy quartz and quartz-carbonate vein to vein breccias which yield high-grade gold, silver, arsenic, bismuth and antimony values in close proximity to mapped faults; 3) massive stibnite mineralization, which is frequently found at high levels or in distal parts of hydrothermal systems; 4) the presence of gossanous carbonate throughout the northern and central parts of the property; and 5) broad soil geochemical anomalies consistent with the high level expressions of epithermal systems and found near chalcedonic quartz veins, which flank known gold-bearing showings.

Quartz, quartz-carbonate and chalcedony veining are all present and locally abundant in the north-central part of the property, which overlaps with arsenic-antimony-gold soil geochemical anomalies. The presence of a broad arsenic-in-soil anomaly which is flanked by quartz, carbonate and chalcedony veining suggests that the north-central part of the property may represent the uppermost high-level expressions of an underlying epithermal system. Surface sampling in this area has typically returned subdued values for precious metals; however, high-level epithermal environments, especially Low and Intermediate Sulphidation epithermal types, do not typically carry high-grade precious metal values. Values of the precious metals in these systems, increase at depth where higher temperatures and associated boiling is reached. This fundamental component of epithermal deposit models suggests that a larger, more gold-endowed mineral system may be present at depth in the north-central part of the property near the Main and Vimy zones.

The Byng property warrants additional work because of its prospective geological setting, widespread high-grade showings and strong geochemical anomalies. Future work should include but not be limited to:

- 1) Continued geological mapping, prospecting and soil sampling to discover more veins and better understand mineralization controls.
- 2) Systematic hand trenching at the Main, Vimy and Trophy Zones. This hand trenching should be completed in later summer months to reduce the impacts of permafrost and frozen ground.

- 3) Ground VLF-EM surveys in mineralized or geochemical anomalous parts of the property.
- 4) Pending favourable results, diamond drilling to test known areas of mineralization at depth should be considered.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc., P.Geo.

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Willms, K.

2016 Assessment report describing data compilation and digitization of work performed at the Byng property; Report prepared by Archer, Cathro & Associates (1981) Limited for Strategic Metals Ltd.

2018 Assessment report describing geological mapping, prospecting and soil geochemical sampling at the Byng property; Report prepared by Archer, Cathro & Associates (1981) Limited for Strategic Metals Ltd.

Yukon Geological Survey

2023 Yukon Digital Bedrock Geology.
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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Kelson Willms, geologist, with business addresses in Vancouver and Squamish, British Columbia and Whitehorse, Yukon Territory and residential address in Whitehorse, Yukon, 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, Canada, and in the United States of America and Mexico.
3. I am a Professional Geoscientist (P.Ge.) with the Engineers and Geoscientists British Columbia (Member Number 56580).
4. I participated in the 2023 field program and interpreted all data resulting from work described in this report.



K. Willms, B.Sc., P.Ge.

APPENDIX II

YMEP STATEMENT OF EXPENDITURES

APPENDIX III

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Property: Byng

Sample Number: E814807 Date Collected: 3-06-20 11:24:00 AM UTM: 535463 mE Nad83, Zone 8
Elevation: 1797 m Sampler: Unknown Person UTM: 6753979 mN

Comments: Composite float sample from Au-in-soil anomaly

Sample Number: E814808 Date Collected: 3-06-20 12:13:00 PM UTM: 535424 mE Nad83, Zone 8
Elevation: 1804 m Sampler: Unknown Person UTM: 6754068 mN

Comments: Float sample from Au-in-soil anomaly

Sample Number: E814809 Date Collected: 23-06-20 1:33:00 PM UTM: 535147 mE Nad83, Zone 8
Elevation: 1755 m Sampler: Unknown Person UTM: 6754233 mN

Comments: Composite float sample from high Au-in-soil anomaly

Sample Number: E814810 Date Collected: 23-06-21 3:24:00 PM UTM: 535687 mE Nad83, Zone 8
Elevation: 2040 m Sampler: Unknown Person UTM: 6753267 mN

Comments: Ridgetop subcrop grab sample across entire 1 m wide, buff wx, sericite-clay altered fsp porphyry dyke trending ~215, hosted in aphanitic basalt

Sample Number: E814811 Date Collected: 23-06-22 1:11:00 PM UTM: 534617 mE Nad83, Zone 8
Elevation: 1836 m Sampler: Unknown Person UTM: 6755413 mN

Comments: Float sample of cobbles

Sample Number: E814812 Date Collected: 23-06-22 2:30:00 PM UTM: 534586 mE Nad83, Zone 8
Elevation: 1861 m Sampler: Unknown Person UTM: 6755503 mN

Comments: Float grab sample from zone in talus slope of abundant qtz-carbonate vein material - subcrop?

Sample Number: E814813 Date Collected: 23-06-22 3:39:00 PM UTM: 534488 mE Nad83, Zone 8
Elevation: 1847 m Sampler: Unknown Person UTM: 6755636 mN

Comments: Vein

Rock Sample Descriptions

Property: Byng

Sample Number: E814814 Date Collected: 23-06-22 3:42:00 PM UTM: 534491 mE Nad83, Zone 8
Elevation: 1853 m Sampler: Unknown Person UTM: 6755638 mN
Comments: Wall rock

Sample Number: E814815 Date Collected: 23-06-23 1:02:00 PM UTM: 535037 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6755323 mN
Comments: Grab sample from rubble subcrop along linear

Sample Number: E814816 Date Collected: 3-06-24 10:54:00 AM UTM: 532831 mE Nad83, Zone 8
Elevation: 1753 m Sampler: Unknown Person UTM: 6756846 mN
Comments: Float grab sample from Au-in-soil anomaly

Sample Number: E814817 Date Collected: 23-06-24 1:07:00 PM UTM: 533301 mE Nad83, Zone 8
Elevation: 1713 m Sampler: Unknown Person UTM: 6756614 mN
Comments: Grab sample from 13 cm x 25 cm x 25 cm float boulder below snow patch on talus slope

Sample Number: E814818 Date Collected: 23-06-24 2:09:00 PM UTM: 533333 mE Nad83, Zone 8
Elevation: 1754 m Sampler: Unknown Person UTM: 6756323 mN
Comments: Composite float sample taken from gentle scree slope 20 m upslope of Au-in-soild anomaly

Sample Number: E814819 Date Collected: 23-06-24 4:05:00 PM UTM: 532966 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6756899 mN
Comments: Float grab sample from R-17 Zone; abundant rusty orange wx float boulders to cobbles in east side of gully

Sample Number: E814858 Date Collected: 23-06-20 9:52:00 AM UTM: 535689 mE Nad83, Zone 8
Elevation: 1840 m Sampler: Unknown Person UTM: 6754036 mN
Comments: Quartz- carbonate veining within basalt, around strong gossan and carbonate alteration. Contains minor sulfides.

Rock Sample Descriptions

Property: Byng

Sample Number: E814859 Date Collected: 3-06-20 11:52:00 AM UTM: 535606 mE Nad83, Zone 8
Elevation: 1864 m Sampler: Unknown Person UTM: 6754036 mN

Comments: Quartz Feldspar Porphyry intrusion between basalt. Grab samples contain quartz + carbonate veinlets with minor sulfides.

Sample Number: E814860 Date Collected: 23-06-20 3:22:00 PM UTM: 535568 mE Nad83, Zone 8
Elevation: 1874 m Sampler: Unknown Person UTM: 6754630 mN

Comments: Strong patch of altered basalt with stringers of quartz veinlets.

Sample Number: E814861 Date Collected: 23-06-21 9:09:00 AM UTM: 535624 mE Nad83, Zone 8
Elevation: 1847 m Sampler: Unknown Person UTM: 6754248 mN

Comments: Weak to moderately altered basalt with epidote alteration halos around veinlets that contain disseminated sulfides.

Sample Number: E814862 Date Collected: 23-06-21 2:27:00 PM UTM: 535281 mE Nad83, Zone 8
Elevation: 1730 m Sampler: Unknown Person UTM: 6753542 mN

Comments: Hand pit sample collected beside high Cu in soil Anomaly in Troohy Zone from 2018 program.

Sample Number: E814863 Date Collected: 23-06-21 3:55:00 PM UTM: 535047 mE Nad83, Zone 8
Elevation: 1626 m Sampler: Unknown Person UTM: 6753535 mN

Comments: Handpit sample taken Neal Sb Anomaly in Trophy Zone.

Sample Number: E814864 Date Collected: 3-06-22 10:20:00 AM UTM: 535710 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6754345 mN

Comments: Quartz float with thin veinlets and fractures infilled with limonite and Aspy?

Sample Number: E814865 Date Collected: 3-06-22 11:26:00 AM UTM: 534986 mE Nad83, Zone 8
Elevation: 1809 m Sampler: Unknown Person UTM: 6755150 mN

Comments: Quartz float in basalt talus above linear.

Rock Sample Descriptions

Property: Byng

Sample Number: E814866 Date Collected: 23-06-23 1:51:00 PM UTM: 535256 mE Nad83, Zone 8
Elevation: 1774 m Sampler: Unknown Person UTM: 6755171 mN

Comments: Composite and chip samples of quartz- carbonate vein taken from trench (#5).

Sample Number: E814867 Date Collected: 23-06-24 1:18:00 PM UTM: 533057 mE Nad83, Zone 8
Elevation: 1726 m Sampler: Unknown Person UTM: 6756861 mN

Comments: Hand pit near high Au Anomaly. Pit #7.

Sample Number: E814868 Date Collected: 23-06-24 2:10:00 PM UTM: 533054 mE Nad83, Zone 8
Elevation: 1718 m Sampler: Unknown Person UTM: 6756880 mN

Comments: Hand pit near high Au Anomaly. Pit #8.

Sample Number: E814913 Date Collected: 23-06-21 9:51:00 AM UTM: 535270 mE Nad83, Zone 8
Elevation: 1744 m Sampler: Unknown Person UTM: 6755084 mN

Comments: Float of quartz vein breccia with cpy py and aspy

Sample Number: E814914 Date Collected: 3-06-21 12:35:00 PM UTM: 535100 mE Nad83, Zone 8
Elevation: 1810 m Sampler: Unknown Person UTM: 6755592 mN

Comments: Qtz carb altered rhyolitic dyke

Sample Number: E814915 Date Collected: 23-06-21 2:49:00 PM UTM: 534846 mE Nad83, Zone 8
Elevation: 1962 m Sampler: Unknown Person UTM: 6755641 mN

Comments: Intenseqtz carb alteration within probable gabbro, qtz carb stockwork veining throughout, limonite coated surfaces and vugs, minor py possible aspy

Sample Number: E814916 Date Collected: 23-06-21 3:32:00 PM UTM: 534833 mE Nad83, Zone 8
Elevation: 1980 m Sampler: Unknown Person UTM: 6755616 mN

Comments: Silicified gabbro, rusty weathered with very thin qtz carb veils within, alteration grades into less altered gabbro, hard to determine but zone is about 1 to 2 m wide

Rock Sample Descriptions

Property: Byng

Sample Number: E814917 Date Collected: 23-06-22 5:13:00 PM UTM: 535308 mE Nad83, Zone 8
Elevation: 1727 m Sampler: Unknown Person UTM: 6755118 mN

Comments: Orange weathered qtz carb vein with botroidal coliform like textures minor py

Sample Number: E814918 Date Collected: 23-06-22 5:44:00 PM UTM: 535915 mE Nad83, Zone 8
Elevation: 1628 m Sampler: Unknown Person UTM: 6754901 mN

Comments: Rusty weathered qtz infill breccia, rock 30x40 cm

Sample Number: E814919 Date Collected: 23-06-23 1:06:00 PM UTM: 537134 mE Nad83, Zone 8
Elevation: 1469 m Sampler: Unknown Person UTM: 6753612 mN

Comments: Qtz vein breccia with multiple generations of thin veining within orange wethered can trace along strike for several metres before losing under talus and creek

Sample Number: E814920 Date Collected: 23-06-23 2:06:00 PM UTM: 537129 mE Nad83, Zone 8
Elevation: 1469 m Sampler: Unknown Person UTM: 6753607 mN

Comments: Half metro wide orange weathered qtz breccia with angular qtz and wall rock fragments, disseminated and net like aspy and py

Sample Number: E814921 Date Collected: 23-06-23 2:24:00 PM UTM: 537129 mE Nad83, Zone 8
Elevation: 1476 m Sampler: Unknown Person UTM: 6753607 mN

Comments: 30cn chip in wall next to qrz breccia zone

Sample Number: E814922 Date Collected: 23-06-23 2:52:00 PM UTM: 537127 mE Nad83, Zone 8
Elevation: 1477 m Sampler: Unknown Person UTM: 6753538 mN

Comments: Qtz carb veining in porphyry dyke, minor blebby and disseminated py and aspy

Sample Number: E814923 Date Collected: 23-06-24 9:55:00 AM UTM: 534446 mE Nad83, Zone 8
Elevation: 1709 m Sampler: Unknown Person UTM: 6756028 mN

Comments: Qtz carb veining within strongly altered gabbro bright green mineral,probably fuchsite, minor disseminated py and aspy

Rock Sample Descriptions

Property: Byng

Sample Number: E814924 Date Collected: 3-06-24 12:23:00 PM UTM: 534851 mE Nad83, Zone 8
Elevation: 1821 m Sampler: Unknown Person UTM: 6755933 mN

Comments: Rusty orange weathered qtz carb veins within strongly altered siltstone, disseminated and patchy aspy and py

Sample Number: E814925 Date Collected: 3-06-24 12:32:00 PM UTM: 534851 mE Nad83, Zone 8
Elevation: 1824 m Sampler: Unknown Person UTM: 6755932 mN

Comments: Qtz carb veining is strongly altered siltstone, blebby and disseminated aspy and py, scorodite found throughout

Sample Number: E814999 Date Collected: 23-06-20 1:50:00 PM UTM: 534815 mE Nad83, Zone 8
Elevation: 1681 m Sampler: Unknown Person UTM: 6754138 mN

Comments: Strongly altered gd with thin (2mm) stockwork veins cut by larger white fine grained qtz veins up to 2 cm, strong clay and hematite alt, minor disseminated py +/- cpy or tetrahedrite

Sample Number: E815000 Date Collected: 23-06-21 9:11:00 AM UTM: 535299 mE Nad83, Zone 8
Elevation: 1722 m Sampler: Unknown Person UTM: 6755066 mN

Comments: Qtz carb altered rhyolite dyke with stockwork veining, veins have epithermal like textures, banded, vugs, terminating qtz crystals, minor py and aspy

Sample Number: W795110 Date Collected: 3-06-20 11:58:00 AM UTM: 534731 mE Nad83, Zone 8
Elevation: 1910 m Sampler: Unknown Person UTM: 6755846 mN

Comments: Zone of orange weathering qtz-carb stringers across 3 m within wide field of Gaborone outcrop. Veinlets are visible in outcrop but sample pieces are subcrop to outcrop.

Sample Number: W795111 Date Collected: 23-06-20 4:02:00 PM UTM: 534952 mE Nad83, Zone 8
Elevation: 1902 m Sampler: Unknown Person UTM: 6755386 mN

Comments: Subcrop to float of strongly oxidized qtz-carbonate vein and vein breccia. Vein carried blebby to disseminated stibnite.

Sample Number: W795112 Date Collected: 23-06-21 9:11:00 AM UTM: 535368 mE Nad83, Zone 8
Elevation: 1706 m Sampler: Unknown Person UTM: 6755122 mN

Comments: Boulder train of epithermal veined float that can be traced approx 30 m uphill. Within field of rhyolite and intrusive float.

Rock Sample Descriptions

Property: Byng

Sample Number: W795113 Date Collected: 23-06-21 1:06:00 PM UTM: 535080 mE Nad83, Zone 8
Elevation: 1897 m Sampler: Unknown Person UTM: 6755445 mN

Comments: 79cm² Boulder of intensely vuggy qtz-crb-chalcedony found along a prominent linear that may be a contact between basalt and biotite-feldspar intrusive. See mapping station for more lith/structure details.

Sample Number: W795114 Date Collected: 23-06-21 2:37:00 PM UTM: 534951 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6755386 mN

Comments: Composite sample of subcrop quartz-carbonate vein fragments collected from, hand pit dug at site of mineralized float. Float coincides with linear and trend of intermittently exposed qtz-carbonate veining. Bedrock not reached due to ice.

Sample Number: W795115 Date Collected: 23-06-21 3:53:00 PM UTM: 534908 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6755515 mN

Comments: Hand pit dug at anomalous soil site. Pit dug down to very competent bedrock/subcrop but no veining visible. Veining dug up in subcrop was sampled.

Sample Number: W795116 Date Collected: 23-06-21 4:31:00 PM UTM: 535038 mE Nad83, Zone 8
Elevation: 1913 m Sampler: Unknown Person UTM: 6755438 mN

Comments: Composite sample of intense boxworked quartz vein material. Resembles acid weathering of high sulphide acid leaching.

Sample Number: W795117 Date Collected: 23-06-23 9:52:00 AM UTM: 535255 mE Nad83, Zone 8
Elevation: 1762 m Sampler: Unknown Person UTM: 6755120 mN

Comments: Vuggy milky quartz float found along major qtz-carbonate vein linear. Only rare fragments found due to volume of rhyolite dyke and basalt boulder float on hillside

Sample Number: W795118 Date Collected: 3-06-23 11:59:00 AM UTM: 535216 mE Nad83, Zone 8
Elevation: 1699 m Sampler: Unknown Person UTM: 6755817 mN

Comments: Boulder of intensely b

Rock Sample Descriptions

Property: Byng

Sample Number: W795119 Date Collected: 23-06-23 5:46:00 PM UTM: 534842 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6756304 mN

Comments: Linear depression with abundant basalt boulder float and boulders of intensely oxidized quartz veining.

Sample Number: W795120 Date Collected: 23-06-23 5:38:00 PM UTM: 534834 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6756302 mN

Comments: Linear depression with abundant basalt boulder float and boulders of intensely oxidized quartz veining.

Sample Number: W795121 Date Collected: 23-06-24 9:47:00 AM UTM: 534462 mE Nad83, Zone 8
Elevation: 1729 m Sampler: Unknown Person UTM: 6755954 mN

Comments: Small surfacing exposure of oxidized rhyolite dyke and rusty quartz carbonate vein material. Source of elevated soil values likely of the same composition but higher upslope.

Sample Number: W795122 Date Collected: 3-06-24 10:35:00 AM UTM: 534526 mE Nad83, Zone 8
Elevation: 0 m Sampler: Unknown Person UTM: 6756025 mN

Comments: Milky comb-textured quartz vein material scattered amongst rusty quartz carbonate vein float and exposures. Found within field of blocky boulders of gabbro.

Sample Number: W795123 Date Collected: 23-06-24 1:28:00 PM UTM: 534892 mE Nad83, Zone 8
Elevation: 1804 m Sampler: Unknown Person UTM: 6755924 mN

Comments: Vuggy, banded and irregular oxidized quartz carbonate vein material found in talus slope of gabbro boulders.

APPENDIX IV

CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 604 984 0221 Fax: +1 604 984 0218
 www.alsglobal.com/geochemistry

To: STRATEGIC METALS LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 #510 - 1100 MELVILLE STREET
 VANCOUVER BC V6E 4A6

Page: 1
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 17-JUL-2023
 Account: MTT

CERTIFICATE WH23174408

Project: BYNG

This report is for 53 samples of Rock submitted to our lab in Whitehorse, YT, Canada on 26-JUN-2023.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	MATT DUMALA SCOTT NEWMAN	STEVE ISRAEL LIZ SMITH
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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 up to 250g 85% <75 um

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

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

Signature: 
 Saa Traxler, Director, North Vancouver Operations



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 www.alsglobal.com/geochemistry

To: STRATEGIC METALS LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981)
 LIMITED
 #510 - 1100 MELVILLE STREET
 VANCOUVER BC V6E 4A6
 Project: BYNG

Page: 2 - A
 Total # Pages: 3 (A - D)
 Plus Appendix Pages
 Finalized Date: 17-JUL-2023
 Account: MTT

CERTIFICATE OF ANALYSIS WH23174408

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
E814807		1.87	0.002	0.05	0.39	38.4	<0.02	<10	10	<0.05	0.16	1.72	0.05	4.02	6.1	16
E814808		1.82	0.172	0.08	0.21	2470	0.17	<10	140	0.15	1.52	0.06	0.21	30.6	0.8	4
E814809		0.60	0.001	0.02	0.34	15.6	<0.02	<10	70	0.18	0.05	0.07	0.04	22.8	1.0	3
E814810		1.64	<0.001	0.03	1.32	5.9	<0.02	<10	160	0.11	0.11	0.37	0.22	15.85	7.5	28
E814811		1.43	0.008	0.14	0.25	115.0	<0.02	<10	410	0.31	0.18	12.95	0.05	0.62	16.1	53
E814812		1.82	0.053	0.11	0.20	920	0.06	<10	120	0.21	0.03	12.65	0.05	1.09	7.9	13
E814813		1.41	<0.001	0.01	0.88	7.2	<0.02	<10	50	0.13	0.03	13.05	0.04	0.89	7.7	30
E814814		1.35	<0.001	0.03	4.56	2.4	<0.02	<10	50	0.27	0.04	9.45	0.03	1.42	26.6	125
E814815		1.49	<0.001	0.02	0.75	1.4	<0.02	<10	20	0.09	0.03	0.24	0.02	23.7	4.5	14
E814816		2.63	0.005	0.03	1.43	1.1	<0.02	<10	50	0.27	0.10	0.98	0.03	21.3	8.2	22
E814817		2.86	0.246	9.39	0.04	77.7	0.15	<10	<10	<0.05	24.9	0.04	0.75	0.14	4.7	12
E814818		1.72	0.006	0.08	0.28	16.8	<0.02	<10	50	0.15	0.18	0.01	0.03	41.5	0.5	3
E814819		1.55	0.002	0.07	0.28	193.0	<0.02	<10	10	0.12	0.10	9.21	0.06	2.25	45.3	117
E814858		1.50	0.001	0.04	2.26	1.9	<0.02	<10	10	0.05	0.13	12.10	0.10	2.35	18.7	12
E814859		1.43	0.010	0.04	0.19	189.5	0.03	<10	30	0.11	0.10	0.57	0.05	19.50	4.4	6
E814860		2.31	<0.001	0.04	1.65	2.0	<0.02	<10	20	0.06	0.06	1.40	0.03	1.71	19.4	50
E814861		1.44	0.001	0.09	1.80	0.5	<0.02	<10	10	0.10	0.07	1.53	0.11	3.31	17.3	53
E814862		1.51	<0.001	0.04	0.84	9.6	<0.02	<10	10	0.10	0.05	0.96	0.02	7.56	16.9	2
E814863		0.88	0.001	0.07	1.53	5.3	<0.02	<10	40	0.08	0.18	1.45	0.07	2.82	17.6	27
E814864		1.82	0.220	0.83	0.07	24.5	0.06	<10	20	<0.05	0.69	0.41	0.04	1.46	1.9	12
E814865		1.13	<0.001	0.04	0.11	7.3	<0.02	<10	10	0.06	0.59	0.02	0.01	0.63	1.3	9
E814866		1.57	0.001	0.01	0.11	9.7	<0.02	<10	100	0.57	0.01	20.3	0.01	2.36	2.4	4
E814867		0.76	<0.001	0.05	2.19	0.6	<0.02	<10	50	0.07	0.05	1.37	0.07	11.95	11.7	43
E814868		1.57	0.010	0.04	4.09	69.1	<0.02	<10	40	0.07	0.37	2.60	0.14	4.13	60.6	256
W795110		1.74	0.076	0.49	0.23	3320	0.08	<10	160	0.27	0.07	13.55	0.17	0.80	16.0	38
W795111		1.56	0.387	0.57	0.13	>10000	0.38	<10	20	0.13	0.78	7.91	0.07	1.54	26.1	8
W795112		2.74	0.018	0.09	0.07	3400	0.02	<10	70	0.40	0.01	21.2	0.01	0.76	2.1	4
W795113		2.59	<0.001	<0.01	0.03	11.1	<0.02	<10	<10	0.05	<0.01	0.37	0.01	0.16	15.3	15
W795114		3.14	0.017	0.04	0.17	231	0.02	<10	30	0.16	0.25	11.60	0.13	3.55	17.2	19
W795115		3.75	0.171	0.42	0.28	6330	0.17	<10	30	0.37	0.17	5.51	0.05	4.08	20.4	26
W795116		1.37	0.005	0.06	0.16	149.0	<0.02	<10	70	0.09	0.07	3.27	0.04	2.36	14.5	13
W795117		2.07	0.209	2.77	0.11	16.8	0.10	<10	10	<0.05	40.6	0.43	0.12	0.46	2.2	14
W795118		5.13	<0.001	0.02	0.19	11.9	<0.02	<10	10	0.09	0.11	1.85	0.02	5.58	1.6	6
W795119		1.06	0.101	0.86	0.08	753	0.09	<10	60	0.10	0.98	4.22	0.10	1.69	3.7	9
W795120		3.00	0.002	0.12	0.06	239	<0.02	<10	50	0.24	0.07	18.65	0.04	3.18	1.9	4
W795121		3.27	0.004	0.04	0.17	54.7	<0.02	<10	70	0.12	0.11	7.83	0.04	5.93	6.3	14
W795122		1.96	0.002	0.05	0.03	60.4	<0.02	20	20	<0.05	0.06	1.82	0.02	0.66	2.5	9
W795123		3.09	0.520	1.03	0.08	>10000	0.60	20	160	0.12	0.13	3.05	0.15	1.28	5.8	11
E814913		1.35	4.15	29.5	0.12	81.8	3.45	20	510	0.18	57.0	0.55	0.41	15.40	4.8	5
E814914		1.29	0.042	0.81	0.13	1620	0.05	20	40	0.13	0.22	8.20	0.15	0.89	13.8	18



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 #510 - 1100 MELVILLE STREET
 VANCOUVER BC V6E 4A6
 Project: BYNG

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CERTIFICATE OF ANALYSIS WH23174408

Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		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
E814807		0.32	13.4	0.72	0.85	<0.05	0.09	<0.01	<0.005	0.02	1.6	3.3	0.21	183	0.94	0.04
E814808		0.73	37.0	1.20	0.50	<0.05	0.31	0.02	<0.005	0.19	16.3	0.3	0.01	42	1.52	0.01
E814809		0.39	5.4	0.64	1.54	<0.05	0.73	0.02	0.005	0.09	11.9	2.1	0.10	177	1.49	0.04
E814810		2.47	11.2	1.28	4.38	0.05	0.27	0.01	<0.005	0.08	8.1	4.9	0.80	146	0.11	0.06
E814811		1.21	29.7	2.63	0.51	<0.05	<0.02	0.01	0.020	0.09	0.4	0.5	2.90	1010	5.06	0.01
E814812		0.55	23.7	4.04	0.53	<0.05	<0.02	0.01	0.016	0.05	0.4	5.4	5.04	1095	2.14	0.01
E814813		0.89	33.8	2.37	2.58	<0.05	<0.02	0.01	0.017	0.02	0.3	8.5	2.43	945	36.5	0.01
E814814		3.37	52.6	2.73	9.79	<0.05	0.05	0.02	0.039	0.05	0.6	21.4	1.54	560	31.7	0.18
E814815		0.34	32.8	1.43	4.58	0.05	0.18	<0.01	0.006	0.04	13.0	6.3	0.49	115	1.57	0.05
E814816		0.52	35.4	2.92	7.99	0.15	0.20	0.01	0.007	0.06	11.3	9.5	0.64	140	0.77	0.08
E814817		<0.05	1915	1.37	0.32	<0.05	<0.02	<0.01	0.336	<0.01	<0.2	0.1	0.01	52	162.0	0.01
E814818		0.22	13.1	0.63	0.52	<0.05	0.61	<0.01	<0.005	0.11	25.4	0.3	0.02	37	0.99	0.03
E814819		0.14	62.4	3.10	0.88	<0.05	0.02	0.01	0.021	0.01	0.8	2.9	4.09	687	0.61	0.01
E814858		0.37	67.0	1.36	4.08	0.07	0.13	0.01	0.010	0.05	0.7	2.8	0.50	751	0.57	0.31
E814859		0.38	19.7	0.45	0.35	<0.05	0.35	0.01	<0.005	0.07	10.3	1.4	0.04	82	0.33	0.04
E814860		1.03	82.2	2.22	4.41	0.10	0.15	<0.01	0.011	0.23	0.5	9.0	1.08	264	1.18	0.21
E814861		0.43	101.5	2.62	4.95	0.11	0.19	<0.01	0.016	0.15	0.9	8.5	1.33	416	0.12	0.23
E814862		0.39	96.1	3.87	5.54	0.11	0.16	<0.01	0.028	0.03	2.2	3.3	0.51	257	7.52	0.13
E814863		0.90	83.3	2.06	4.21	0.09	0.11	<0.01	0.017	0.04	0.9	8.4	1.01	274	4.98	0.23
E814864		0.13	8.2	0.56	0.18	<0.05	0.02	<0.01	<0.005	0.04	0.8	0.3	0.02	284	0.63	0.01
E814865		0.09	10.0	0.88	0.59	<0.05	<0.02	<0.01	0.008	0.01	0.3	1.8	0.10	283	4.42	0.01
E814866		0.49	5.0	3.83	0.54	<0.05	<0.02	<0.01	0.005	0.03	1.0	0.3	7.53	1005	0.34	0.01
E814867		0.37	114.0	1.53	4.71	0.05	0.14	<0.01	0.008	0.04	6.2	8.8	1.32	302	0.10	0.22
E814868		0.21	76.1	4.18	5.38	0.10	0.03	<0.01	0.011	0.01	2.4	13.7	7.84	823	0.19	0.01
W795110		2.05	46.8	3.73	0.45	<0.05	<0.02	0.02	0.022	0.08	0.3	1.8	3.67	1575	0.27	0.01
W795111		0.81	52.0	4.68	0.34	<0.05	<0.02	0.07	0.026	0.08	1.1	1.7	2.99	761	3.48	0.01
W795112		0.22	14.8	3.68	0.33	<0.05	<0.02	1.13	0.005	0.01	0.4	0.3	8.22	826	1.05	0.01
W795113		<0.05	4.6	0.77	0.10	<0.05	<0.02	0.01	<0.005	<0.01	<0.2	3.1	21.7	93	0.13	0.01
W795114		0.92	6.1	5.60	0.49	0.05	<0.02	0.01	0.044	0.08	1.6	6.4	4.07	1380	10.65	0.02
W795115		3.73	17.2	4.23	0.59	<0.05	0.05	0.19	0.029	0.15	2.1	3.6	2.30	1310	10.90	0.01
W795116		0.79	11.0	3.05	0.41	<0.05	<0.02	<0.01	0.019	0.08	1.0	0.9	0.45	703	0.68	0.01
W795117		0.06	529	1.18	0.49	<0.05	<0.02	<0.01	0.055	0.01	0.2	1.3	0.10	171	7.16	0.01
W795118		0.59	6.7	0.89	0.48	<0.05	0.05	<0.01	<0.005	0.05	2.9	1.7	0.64	136	0.32	0.01
W795119		0.37	47.2	2.46	0.24	<0.05	<0.02	<0.01	0.011	0.06	0.8	0.6	1.17	483	0.73	0.01
W795120		0.12	22.9	4.78	0.18	<0.05	<0.02	0.01	0.006	0.01	1.9	0.5	5.78	992	0.31	0.01
W795121		0.54	7.7	1.97	0.34	<0.05	0.04	<0.01	0.018	0.07	3.1	3.4	2.85	663	1.57	0.02
W795122		0.14	8.3	0.85	0.18	<0.05	<0.02	<0.01	0.007	0.02	0.4	1.7	0.18	233	2.03	<0.01
W795123		0.67	19.2	2.37	0.31	0.07	0.02	0.99	0.056	0.06	0.6	0.8	0.95	372	1.72	<0.01
E814913		0.63	2310	1.69	0.60	0.10	0.07	0.21	0.422	0.05	8.8	0.5	0.22	464	19.75	0.02
E814914		1.88	13.0	3.68	0.40	0.10	<0.02	0.01	0.025	0.08	0.4	1.8	3.09	739	22.4	<0.01



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	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
E814807	<0.05	8.4	360	0.2	1.1	0.001	<0.01	0.13	2.0	0.2	<0.2	11.4	<0.01	0.07	1.0	
E814808	0.07	1.4	80	2.4	5.1	0.001	0.01	3.07	0.3	<0.2	<0.2	5.1	<0.01	0.01	19.2	
E814809	1.04	3.4	100	6.6	3.6	0.001	<0.01	0.44	1.0	<0.2	0.3	6.2	<0.01	<0.01	12.0	
E814810	0.11	25.5	750	1.3	1.7	0.001	<0.01	0.08	1.3	<0.2	<0.2	31.5	<0.01	0.05	2.6	
E814811	<0.05	37.8	10	4.5	3.0	0.003	0.21	4.88	16.1	0.2	<0.2	531	<0.01	0.01	<0.2	
E814812	<0.05	11.2	40	1.2	1.3	0.002	0.14	8.89	6.1	0.2	<0.2	812	<0.01	0.02	<0.2	
E814813	<0.05	16.3	60	0.4	0.8	0.013	0.03	0.06	11.5	0.2	0.2	136.0	<0.01	0.02	<0.2	
E814814	<0.05	74.5	70	0.5	2.1	0.016	0.07	<0.05	40.8	0.3	0.4	96.1	<0.01	0.02	<0.2	
E814815	0.64	7.1	700	1.5	1.5	0.002	<0.01	0.15	2.2	0.3	0.2	10.6	<0.01	0.03	4.0	
E814816	0.34	5.7	780	1.7	3.0	0.001	0.33	0.33	3.1	0.3	0.3	34.0	<0.01	0.04	2.7	
E814817	<0.05	2.8	10	1.7	<0.1	0.004	0.08	5.72	0.3	2.0	0.3	0.5	<0.01	23.7	<0.2	
E814818	0.10	1.7	80	15.0	3.7	<0.001	<0.01	0.51	0.4	<0.2	<0.2	3.1	<0.01	0.12	27.4	
E814819	<0.05	316	30	1.0	0.4	0.001	0.07	1.70	10.2	0.2	<0.2	238	<0.01	0.09	<0.2	
E814858	<0.05	20.6	350	1.1	1.0	0.002	0.15	<0.05	5.7	0.2	0.2	97.1	<0.01	0.02	<0.2	
E814859	<0.05	3.7	90	0.6	2.1	0.001	<0.01	0.71	0.9	<0.2	<0.2	7.3	<0.01	0.05	22.5	
E814860	<0.05	46.2	340	0.5	5.6	0.001	0.26	0.72	5.9	0.3	0.2	12.0	<0.01	0.04	<0.2	
E814861	0.06	44.4	570	0.6	2.3	<0.001	0.08	<0.05	7.1	0.4	0.3	17.5	<0.01	0.02	<0.2	
E814862	<0.05	1.8	1030	0.2	0.6	0.012	0.32	0.84	8.4	0.3	0.6	8.3	<0.01	0.01	<0.2	
E814863	<0.05	25.8	340	0.6	1.6	0.003	0.16	2.29	7.8	0.2	0.2	20.6	<0.01	<0.01	<0.2	
E814864	<0.05	5.7	50	0.5	1.1	<0.001	0.03	2.59	0.8	<0.2	<0.2	2.4	<0.01	1.05	<0.2	
E814865	<0.05	1.6	70	21.3	0.7	0.001	<0.01	0.77	1.8	0.2	<0.2	0.9	<0.01	0.33	<0.2	
E814866	<0.05	3.1	50	0.8	0.8	<0.001	0.01	0.48	5.3	<0.2	<0.2	1415	<0.01	0.02	<0.2	
E814867	<0.05	43.1	290	1.2	1.2	0.001	<0.01	0.08	4.3	0.2	<0.2	57.6	<0.01	0.03	1.1	
E814868	<0.05	684	70	1.1	0.5	0.001	<0.01	0.58	10.6	0.2	<0.2	76.1	<0.01	0.06	0.4	
W795110	<0.05	28.4	10	11.5	2.4	0.001	0.82	16.55	13.7	0.4	<0.2	372	<0.01	0.03	<0.2	
W795111	<0.05	40.9	50	37.4	2.1	0.003	1.40	8480	7.6	0.7	<0.2	392	<0.01	0.10	<0.2	
W795112	<0.05	2.5	30	4.8	0.5	0.001	0.01	828	2.4	0.3	<0.2	1780	<0.01	0.02	<0.2	
W795113	<0.05	576	10	<0.2	<0.1	0.001	<0.01	6.60	1.0	<0.2	<0.2	4.0	<0.01	0.01	<0.2	
W795114	<0.05	33.0	100	4.4	2.0	0.002	0.45	29.7	15.3	0.4	<0.2	682	<0.01	0.27	<0.2	
W795115	<0.05	48.5	70	43.0	5.7	0.003	1.90	30.6	10.4	0.2	<0.2	219	<0.01	0.03	0.5	
W795116	<0.05	21.5	470	0.9	2.2	0.001	0.08	81.4	9.3	0.2	<0.2	101.0	<0.01	0.07	<0.2	
W795117	<0.05	2.6	40	6.8	0.3	0.001	0.07	1.44	0.9	0.9	0.2	6.1	<0.01	31.5	<0.2	
W795118	<0.05	3.0	150	2.6	1.5	0.001	<0.01	0.92	1.2	<0.2	<0.2	78.0	<0.01	0.08	0.5	
W795119	<0.05	8.3	110	76.5	1.7	0.001	0.52	22.5	3.5	0.7	<0.2	238	<0.01	0.37	<0.2	
W795120	<0.05	2.1	50	2.4	0.5	0.001	0.10	8.67	2.3	0.2	<0.2	1815	<0.01	0.05	<0.2	
W795121	<0.05	32.2	160	3.7	1.8	<0.001	0.12	0.60	2.4	0.2	0.2	415	<0.01	0.06	0.8	
W795122	<0.05	14.5	30	3.5	0.5	<0.001	0.01	1.07	1.0	0.3	<0.2	23.4	<0.01	0.04	<0.2	
W795123	<0.05	12.5	180	7.3	1.8	0.001	0.83	155.0	3.3	0.7	<0.2	103.0	<0.01	0.07	<0.2	
E814913	<0.05	9.6	80	496	1.6	0.003	0.35	8.27	1.4	10.3	0.5	48.7	<0.01	81.6	2.8	
E814914	<0.05	23.2	80	19.3	2.6	0.004	0.19	13.60	10.3	0.6	<0.2	495	<0.01	0.31	<0.2	



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		Ti %	Ti 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
E814807		<0.005	0.02	0.20	12	0.10	2.30	7	3.4
E814808		<0.005	0.07	2.95	5	0.09	2.00	2	13.1
E814809		0.013	0.03	1.82	3	0.13	6.52	15	24.3
E814810		0.065	0.03	0.44	21	0.16	2.43	37	12.1
E814811		<0.005	0.09	0.16	44	0.12	4.95	37	<0.5
E814812		<0.005	0.03	<0.05	28	0.28	7.76	32	<0.5
E814813		<0.005	<0.02	0.07	30	1.48	4.61	26	<0.5
E814814		0.010	0.02	0.18	104	1.79	7.66	40	1.3
E814815		0.053	<0.02	0.91	28	0.18	2.77	18	5.9
E814816		0.188	0.04	0.77	92	0.53	6.91	17	4.5
E814817		<0.005	<0.02	<0.05	2	0.07	0.13	33	<0.5
E814818		<0.005	0.03	2.22	1	<0.05	3.05	8	21.6
E814819		<0.005	<0.02	0.10	56	0.08	7.33	26	0.6
E814858		0.162	0.02	1.11	42	0.31	10.20	17	2.7
E814859		<0.005	0.02	2.19	2	0.08	2.39	6	11.1
E814860		0.196	0.08	0.05	64	0.20	7.03	27	3.8
E814861		0.257	0.02	0.05	101	0.15	12.15	36	3.9
E814862		0.110	0.04	<0.05	88	0.49	23.8	26	2.2
E814863		0.159	0.06	<0.05	74	0.11	9.53	29	2.6
E814864		<0.005	0.02	0.10	2	<0.05	0.82	5	0.6
E814865		<0.005	<0.02	0.28	10	0.38	0.66	15	<0.5
E814866		<0.005	<0.02	0.28	20	0.05	9.97	12	1.0
E814867		0.022	<0.02	0.21	30	<0.05	2.28	30	6.8
E814868		0.025	<0.02	0.09	61	0.22	3.29	29	1.2
W795110		<0.005	0.38	<0.05	32	0.73	6.14	23	<0.5
W795111		<0.005	1.41	<0.05	19	0.68	7.13	22	<0.5
W795112		<0.005	0.09	0.06	15	<0.05	7.32	15	0.6
W795113		<0.005	<0.02	<0.05	7	<0.05	0.30	5	<0.5
W795114		<0.005	0.05	<0.05	30	0.43	11.50	28	<0.5
W795115		<0.005	0.69	0.34	17	0.62	4.93	31	2.5
W795116		<0.005	0.05	0.05	18	0.33	5.12	16	<0.5
W795117		<0.005	<0.02	0.09	7	0.15	0.76	18	<0.5
W795118		<0.005	0.02	0.12	6	<0.05	1.35	13	2.7
W795119		<0.005	0.07	0.24	11	0.12	2.82	21	<0.5
W795120		<0.005	<0.02	0.11	14	0.07	5.31	17	<0.5
W795121		<0.005	0.02	0.20	6	0.22	2.63	17	1.5
W795122		<0.005	<0.02	<0.05	2	0.17	0.61	8	0.6
W795123		<0.005	1.13	0.06	9	0.38	2.76	40	0.8
E814913		<0.005	0.10	0.64	3	0.12	1.86	40	1.9
E814914		<0.005	0.08	<0.05	20	0.29	3.86	42	<0.5



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
E814915		1.34	0.010	0.08	0.13	187.0	<0.02	20	40	0.15	0.12	11.10	0.39	2.35	8.2	9
E814916		1.38	0.001	0.05	2.84	59.1	<0.02	20	40	0.20	0.10	5.89	0.05	1.76	38.9	110
E814917		1.32	<0.001	0.01	0.09	14.1	<0.02	20	140	1.24	0.04	21.8	0.01	0.92	3.0	2
E814918		1.99	0.001	0.01	0.10	100.0	<0.02	20	20	0.43	0.02	18.20	0.02	5.92	3.1	4
E814919		2.31	0.022	0.46	0.21	931	0.02	20	40	0.49	0.05	9.49	0.04	9.73	8.7	9
E814920		2.48	0.004	0.08	0.21	111.5	<0.02	20	50	0.39	0.02	11.75	0.02	12.60	8.7	6
E814921		1.40	0.001	0.09	1.38	49.6	<0.02	20	150	0.82	0.08	3.53	0.07	16.20	19.7	24
E814922		1.68	0.025	0.14	0.13	94.2	0.03	20	140	0.25	0.03	12.20	0.03	13.85	2.5	1
E814923		1.48	0.003	0.39	0.40	461	<0.02	20	300	0.37	0.05	10.15	0.03	0.69	35.1	257
E814924		1.56	0.525	0.35	0.18	5040	0.56	20	200	0.27	0.20	5.72	0.18	4.12	13.8	20
E814925		2.60	0.273	0.46	0.14	2900	0.28	20	110	0.20	0.06	5.31	0.12	2.09	8.0	16
E814999		2.30	<0.001	0.01	0.02	4.8	<0.02	50	30	<0.05	<0.01	1.35	0.02	0.04	56.9	290
E815000		1.56	0.001	0.02	0.27	67.2	<0.02	20	60	0.19	0.02	4.86	0.01	21.1	2.5	3



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	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	
E814915	1.10	9.6	3.62	0.36	0.09	0.02	<0.01	0.048	0.09	0.9	2.3	3.98	1015	7.26	<0.01	
E814916	6.31	77.4	4.94	8.59	0.18	0.06	0.01	0.044	0.21	0.5	29.0	3.31	792	1.58	0.08	
E814917	0.23	8.1	3.06	0.58	0.08	0.03	<0.01	<0.005	0.02	0.4	0.4	7.88	657	0.13	<0.01	
E814918	0.35	11.6	5.54	0.53	0.14	<0.02	<0.01	0.006	0.03	4.3	0.7	4.55	1285	0.62	<0.01	
E814919	1.78	41.9	4.12	0.64	0.10	<0.02	<0.01	0.018	0.07	6.4	8.1	1.71	1010	0.78	<0.01	
E814920	2.65	31.6	4.81	0.55	0.14	<0.02	<0.01	0.021	0.09	9.4	1.2	2.78	1315	0.43	<0.01	
E814921	4.62	145.5	4.46	3.44	0.13	0.05	<0.01	0.037	0.15	10.8	14.0	0.48	462	0.53	0.08	
E814922	2.31	7.0	1.81	0.36	0.07	0.16	<0.01	0.007	0.08	7.0	0.5	0.30	968	0.43	<0.01	
E814923	3.10	54.7	2.48	0.64	0.06	<0.02	<0.01	0.019	0.14	0.2	14.2	4.71	707	3.33	0.01	
E814924	1.52	53.6	4.06	0.58	0.10	0.03	0.07	0.045	0.11	2.2	1.6	1.79	804	32.7	0.01	
E814925	1.28	41.5	3.06	0.38	0.06	<0.02	0.09	0.025	0.08	1.0	1.4	1.94	603	0.69	<0.01	
E814999	0.05	10.2	2.82	0.33	0.10	<0.02	<0.01	<0.005	0.01	<0.2	6.6	12.15	401	0.67	0.01	
E815000	1.23	20.9	1.40	0.72	0.05	0.19	<0.01	0.008	0.13	12.3	0.8	1.78	668	2.16	0.01	



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Sample Description	Method Analyte Units LOD	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
E814915		<0.05	15.0	230	9.8	2.5	<0.001	0.06	1.75	7.9	0.5	<0.2	664	<0.01	0.13	<0.2
E814916		<0.05	82.9	110	1.2	13.8	0.001	0.27	2.54	30.7	0.5	0.2	319	<0.01	0.02	<0.2
E814917		<0.05	2.5	40	1.1	0.7	0.001	<0.01	1.00	2.0	0.8	<0.2	1465	<0.01	0.04	<0.2
E814918		<0.05	3.4	70	1.8	1.0	<0.001	0.07	1.62	2.7	0.8	<0.2	484	<0.01	0.02	<0.2
E814919		<0.05	17.6	450	2.6	2.6	<0.001	0.11	14.25	7.4	1.9	0.2	309	<0.01	0.02	0.7
E814920		<0.05	19.9	460	2.1	3.2	0.002	0.28	6.31	7.4	2.7	0.2	467	0.01	0.01	0.6
E814921		0.08	49.4	1060	2.7	7.2	0.004	0.22	7.86	12.3	1.6	0.4	141.5	0.01	0.04	1.5
E814922		<0.05	3.5	160	5.2	3.1	<0.001	0.42	1.72	1.5	1.4	<0.2	718	<0.01	0.02	2.1
E814923		<0.05	251	30	2.2	4.8	0.002	0.18	4.36	19.4	0.4	<0.2	722	<0.01	0.04	<0.2
E814924		<0.05	25.6	500	8.5	3.3	0.014	1.04	38.7	8.9	0.5	<0.2	235	<0.01	0.08	0.4
E814925		<0.05	13.9	270	6.0	2.5	0.001	0.76	76.8	5.6	0.5	<0.2	262	<0.01	0.04	0.2
E814999		<0.05	1125	20	0.4	0.3	<0.001	0.01	0.20	3.8	0.2	<0.2	81.4	<0.01	<0.01	<0.2
E815000		<0.05	5.3	360	2.0	4.5	<0.001	0.08	3.28	1.0	0.2	<0.2	278	<0.01	0.02	2.2



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Sample Description	Method Analyte Units LOD	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
E814915		<0.005	0.02	<0.05	14	0.39	8.51	27	<0.5
E814916		0.023	0.38	<0.05	127	0.79	7.03	38	1.3
E814917		<0.005	<0.02	0.17	10	0.06	10.55	11	3.3
E814918		<0.005	0.02	0.17	16	0.05	13.15	12	<0.5
E814919		<0.005	0.04	0.16	26	0.07	12.45	32	<0.5
E814920		<0.005	0.04	0.12	18	0.07	21.0	41	<0.5
E814921		0.038	0.13	0.44	53	0.17	20.8	84	1.6
E814922		<0.005	0.03	0.70	2	0.05	16.05	16	4.2
E814923		<0.005	0.09	<0.05	24	1.22	4.11	37	<0.5
E814924		<0.005	0.56	0.34	31	0.35	6.78	51	1.0
E814925		<0.005	0.26	0.81	23	0.29	4.58	41	0.5
E814999		<0.005	<0.02	<0.05	8	0.06	0.15	16	<0.5
E815000		<0.005	0.04	0.31	2	<0.05	6.04	16	8.7



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	CERTIFICATE COMMENTS										
Applies to Method:	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). ME-MS41</p>										
Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.</p> <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: 15%;"></td> <td style="width: 15%;">PUL-31</td> </tr> <tr> <td>PUL-QC</td> <td>SPL-21</td> <td>WEI-21</td> <td></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:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ICP21</td> <td style="width: 33%;">ME-MS41</td> <td style="width: 33%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>	Au-ICP21	ME-MS41								
Au-ICP21	ME-MS41										