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ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING AND SOIL GEOCHEMISTRY

Work performed from July 15 to 22, 2018

at the

MELOY PROPERTY

Meloy 1-20 YC65705-YC65724
21-42 YC65745-YC65766
43-98 YD117353-YD117408
99-107 YD117109-YD117117
108-234 YD117118-YD117244

NTS 115G/08 and 115G/09
Latitude 61°29'N; Longitude 138°11'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

K. Willms, B.Sc., GIT
February, 2019

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INTRODUCTION

The Meloy property covers porphyry and vein style, copper±gold±silver±molybdenum ±tungsten±tin±zinc mineralization. The property is located in the Ruby Range of southwestern Yukon and is owned 100% by Strategic Metals Ltd.

This report describes an eight day program of geological mapping, prospecting and soil geochemical sampling that was conducted on the Meloy property between July 15 and 22, 2018. The work was performed by Archer, Cathro & Associates (1981) Limited on behalf of Strategic Metals. The author participated in and supervised the field program, and interpreted the data from the work. The author's Statement of Qualifications is in Appendix I and a Statement of Expenditures is found in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Meloy property comprises 234 contiguous mineral claims located 90 km northwest of Haines Junction in southwestern Yukon, at latitude 61°29'N and longitude 138°11'W on NTS map sheets 115G/08 and 115G/09 (Figure 1). The property covers an area of approximately 4845 ha (48.45 km²). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim data are listed below, while the locations of individual claims are illustrated on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Meloy 1-20	YC65705-YC65724	March 31, 2035
21-42	YC65745-YC65766	March 31, 2035
43-98	YD117353-YD117408	April 02, 2025
99-107	YD117109-YD117117	April 02, 2026
108-234	YD117118-YD117244	April 02, 2025

* Expiry dates include 2018 work that has been filed for assessment credit.

Access to the property in 2018 was provided by an AS350 B2 A-Star helicopter operated by Capital Helicopters (1995) Limited of Whitehorse from the Burwash airport, which is located about 45 km west of the Meloy property.

The closest road access to the Meloy property is at the abandoned community of Aishihik about 35 km to the east-northeast. If required, heavy equipment could access the property via a trail that extends from Aishihik to the Meloy property and nearby historical placer workings (Figure 2).

The entire Meloy property lies within the traditional territory of the Kluane First Nation and the eastern portion overlaps with the traditional territory of the Champagne and Aishihik First Nations. The Kluane and Champagne and Aishihik First Nations have concluded land claim agreements with Canada and Yukon.

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

MELOY PROPERTY

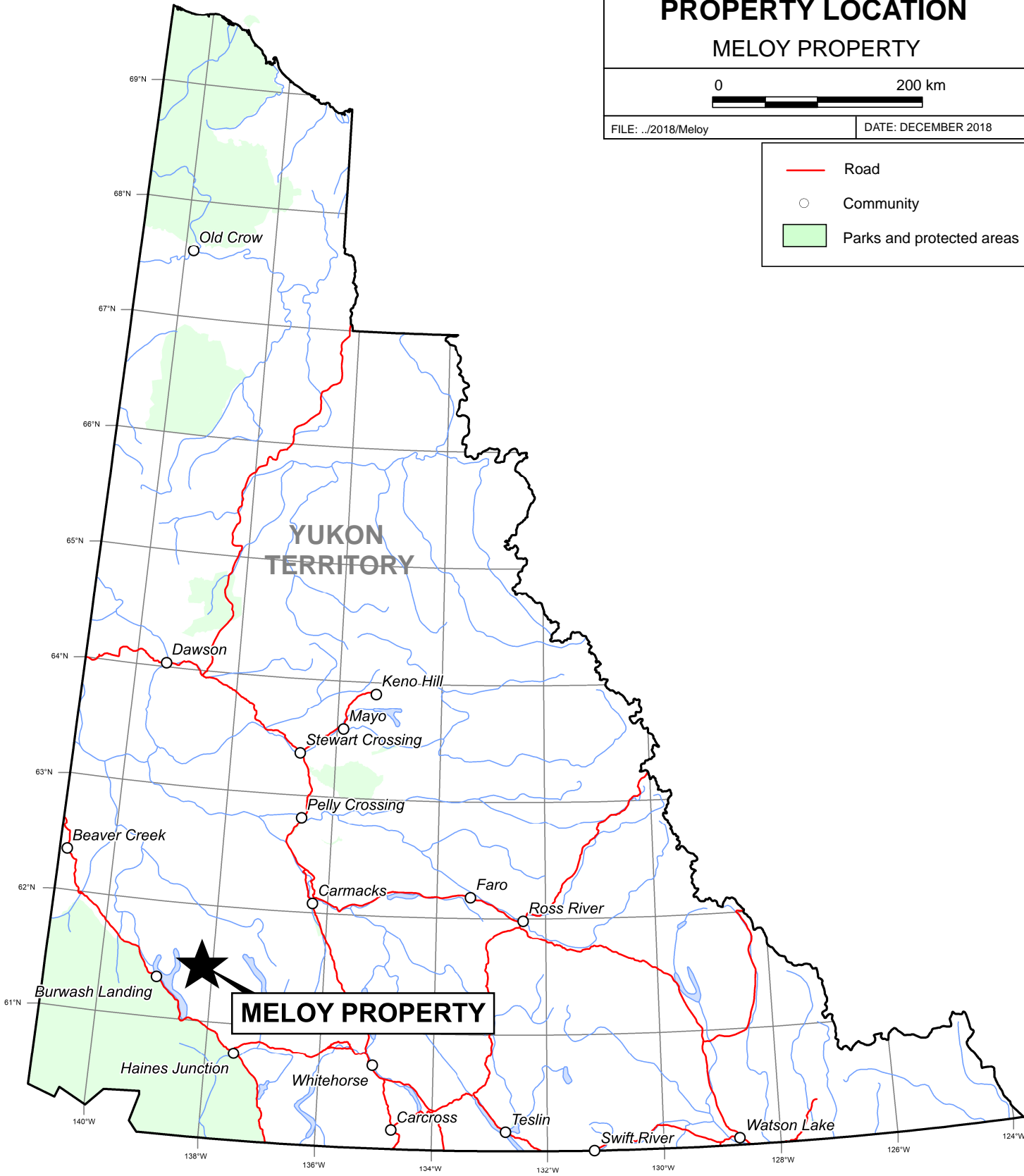
0 200 km

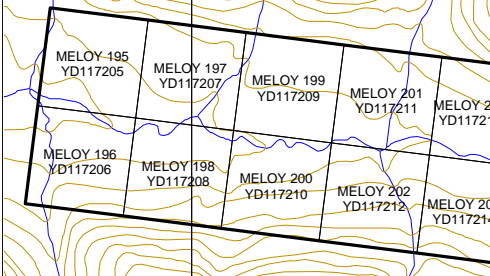
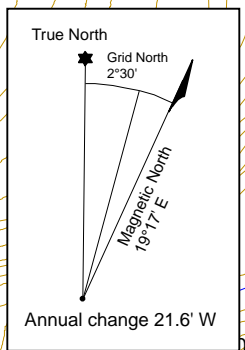
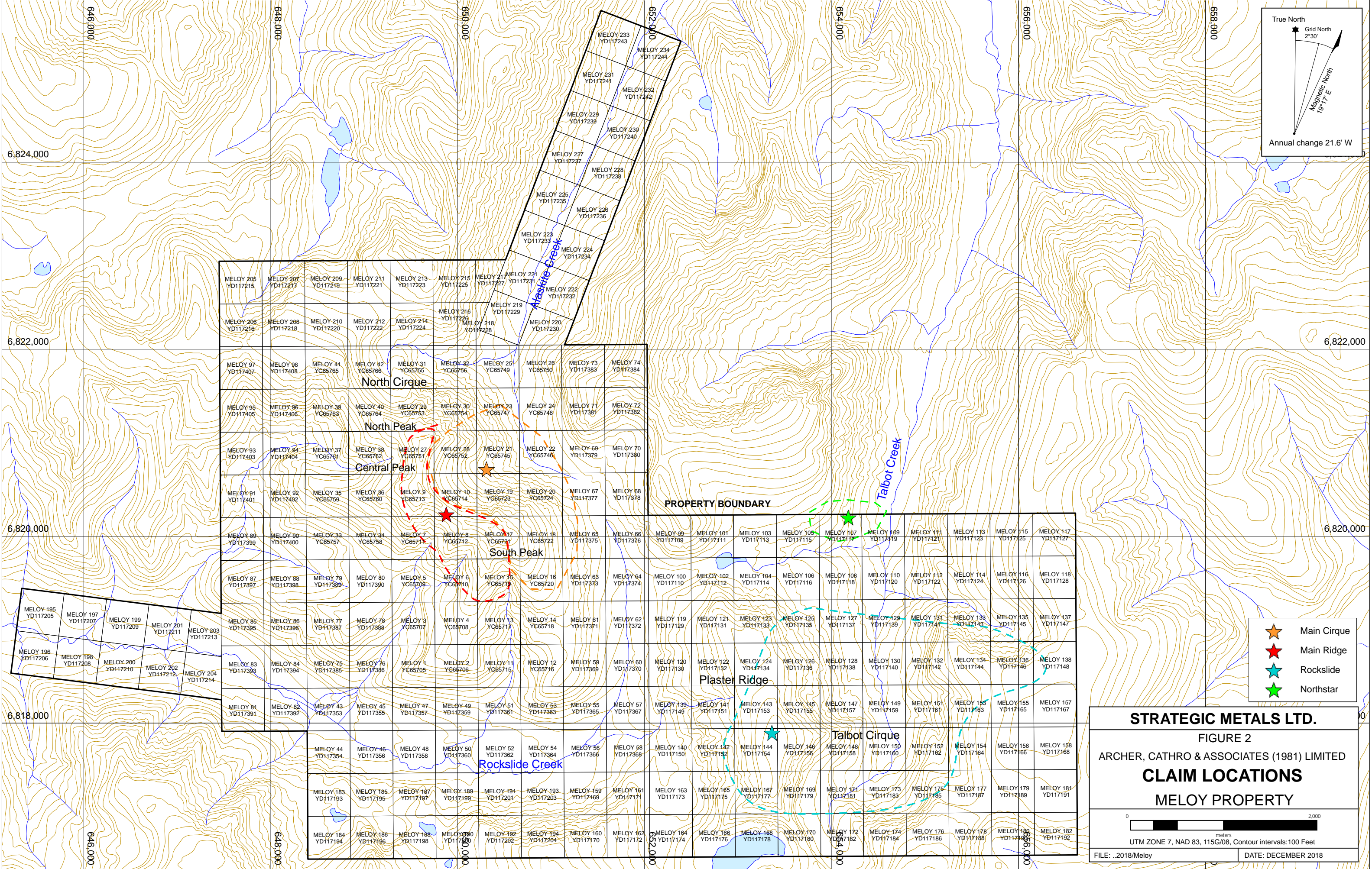


FILE: ../2018/Meloy

DATE: DECEMBER 2018

- Road
- Community
- Parks and protected areas





- Main Cirque
- Main Ridge
- Rockside
- Northstar

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

0 2000
 meters
 UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2018/Meloy DATE: DECEMBER 2018

HISTORY

J. Meloy initially staked the area in 1951 as the Molly claims and performed hand trenching in 1952. The Molly claims were allowed to lapse, and the area was restaked in 1960 by J. McConnery as the Big Sam claims and again in 1962 by L. Nault as the Pag and Bird claims (Smith, 1971). No reports were filed regarding any of these claims.

In 1970, Phelps Dodge acquired a large claim block and conducted a work program that included mapping, geochemical surveys and one diamond drill hole (66.7 m) on the floor of the Main Cirque (Figure 2), and two diamond drill holes (305.7 m) in the Rockslide area to the east. No drill logs or assays were reported from this work (Smith, 1971).

In 1986, the Geological Survey of Canada (GSC) performed a regional stream sediment survey included the map sheets where the Meloy property is located. Samples taken from streams draining the area of the property produced peak values of 97 ppm copper, 28 ppm tungsten, and 298 ppm zinc (Friske *et al.*, 1986). These values are 95th, 99th and 99th percentile results, respectively, for the survey.

In 2007, Strategic Metals staked the Meloy property. In 2008, it performed a three day program comprising prospecting and soil sampling. A total of 26 rock and 115 soil samples were collected. Rock samples returned peak values of 4.89% copper, 832 ppb gold, 9770 ppm molybdenum, 3.51% tungsten and 6420 ppm tin. Soil samples yielded peak values of 2300 ppm copper, 42 ppb gold, 595 ppm molybdenum, 129 ppm tungsten and 127 ppm tin (Smith, 2008).

In 2010, Strategic Metals conducted a one day prospecting and soil geochemical sampling program on the property. A total of 11 rock and 58 soil samples were collected. Results from this work supported the anomalies identified in 2008. Rocks yielded up to 1.06 g/t gold, 110 g/t silver, 8720 ppm molybdenum, 3380 ppm tungsten, 312 ppm tin, and greater than 1% copper and zinc. Soil sampling returned anomalous results to maximums of 2000 ppm copper, 224 ppb gold, 4 ppm silver, 12 ppm molybdenum, 100 ppm tungsten, and 80 ppm tin (Smith, 2011).

Also in 2010, Strategic Metals contracted New-Sense Geophysics Ltd. of Markham, Ontario to perform an airborne magnetic survey over the property. A total of 293 line kilometres were flown. This survey identified two circular magnetic lows in the northern part of the property and a number of linear lows in the southern part (Smith, 2011).

From early 2011 to summer 2012, the property was under option to Alix Resources Corp. However, there is no record of work by Alix Resources.

In 2012, after the option agreement with Alix Resources expired, Strategic Metals performed one day of mapping, prospecting and soil sampling. A total of eight rock samples and 135 soil samples were collected. Rocks yielded up to 1.04% copper, 0.303 g/t gold, 18.7 g/t silver, 1.47% molybdenum, 341 ppm tungsten, 119 ppm tin, and 589 ppm zinc. Soil samples further expanded the soil geochemical anomaly to encompass a 2500 m in diameter area, with a 1000 m in diameter core of strong copper, gold, silver and molybdenum values. The core of the anomaly, centered on the Main Cirque (Figure 2), includes peak values of 4520 ppm copper, 673

ppb gold, 18.6 ppm silver, 595 ppm molybdenum, 266 ppm tungsten, 217 ppm tin and 2090 ppm zinc (Smith, 2012).

In 2013, Strategic Metals contracted Underhill Geomatics Ltd. to fly aerial photography over the Meloy property. An interpretation of the air photos was completed in spring 2014 and identified outcrop locations, vegetation, overburden covered areas and distinct weathering colourations.

In 2014, Strategic Metals performed a seven day program of geological mapping, prospecting, hand trenching and soil geochemical sampling. A total of 54 rock and 36 soil samples were collected. Peak values for rock samples returned 8.72% copper, 1.06 g/t gold, 560 g/t silver and 1.47 % molybdenum. Hand trenching returned 4.47% copper, 0.208 g/t gold and 296 g/t silver over 10 m (trench TR14-01), but later work showed that this sample was along a flat-lying vein.

In 2015, ground surveying was conducted by Underhill Geomatics Ltd. to geo-reference 2013 air photos and facilitate the creation of detailed topographic maps (Morten, 2015).

In 2017, Strategic Metals conducted a prospecting, hand trenching and soil geochemical sampling program, with focus on the Rockslide and Main Ridge areas. A total of 66 rock, 29 trench and 92 soil samples were collected. Rock sampling from Main Ridge returned up to 12.15% copper, 0.315 g/t gold, 270 g/t silver, 2140 ppm zinc, 82.9 ppm molybdenum and 500.5 ppm tin. The best trench samples, taken from the Main Ridge, returned 1525 ppm copper and 45.5 g/t silver over four metres and 154.4 ppm molybdenum over four metres. Petrographic analysis was also completed on six rock samples from the Main Ridge and Main Cirque areas to identify alteration types associated with distinct weathering (Leitch, 2017).

Later in 2017, Strategic staked an additional 140 Meloy claims to cover the Rockslide and Northstar areas (previously the Alaskite claims) to the southeast of the original Meloy claims. The Alaskite claims were originally staked by prospector Shawn Ryan in 2011 after a reconnaissance soil geochemical program in 2007. Two additional soil geochemical programs in 2011 and 2012 collected 329 and 566 samples, respectively (Ryan, 2013). Samples from these programs outlined sizable copper, molybdenum, tungsten and bismuth ± gold anomalies.

In early 2018, Strategic Metals staked the Meloy 183-234 claims.

GEOMORPHOLOGY

The Meloy property lies within the Ruby Range in the southern part of the Yukon Plateau. The area is made up of rugged alpine terrain characterized by sharp peaks and high rounded ridges, which are bounded by steep-walled valleys with broad flat floors. Some of the peaks and ridges may have escaped glaciation, but glacial features are common at lower elevations (Muller, 1967).

A large northwest-trending ridge runs through the centre of the Main Cirque area connecting three prominent peaks, referred to as South, Central and North peaks. A series of southwest-trending spurs extend off the South and Central peaks. South-facing slopes are moderately steep and are blanketed by relatively stable talus and vegetation. North-facing slopes are largely inaccessible because of cliffs and unstable talus. The Rockslide and Northstar areas are

dominated by a north trending ridge, referred to as Plaster Ridge, which is characterized by steep and rugged walls leading up to a relatively wide and flat top.

The Main Cirque area is separated from the Rockslide and Northstar zones by a broad steep walled valley occupied by Alaskite Creek, which drains north; and Raft Creek, which drains south before veering to the west. On the eastern side of Plaster Ridge, Talbot Creek drains the Rockslide and Northstar areas to the north. A large rock glacier sits at the head of Talbot Creek, within Talbot Cirque.

Elevations on the property range from 1675 m to 2245 m. Sparse vegetation consisting of moss and grass is found on valley floors, south-facing slopes and small upland plateaus.

All creeks draining the property flow into Talbot Arm of Kluane Lake, which is part of the White River watershed and the Yukon River system.

REGIONAL GEOLOGY

The property is located between the Tintina and Denali faults (Figure 3). The regional geology was originally mapped at 1:250,000 scale by the Geological Survey of Canada (GSC) in the early 1970's (Templeman-Kluit, 1974). In 1999, Gordey and Makepeace (1999) reinterpreted regional geology in the Meloy area as part of a Yukon-wide compilation. From 2007 to 2016, the Yukon Geological Survey (YGS) re-mapped the northern portion of map sheet 115G and the western half of 115H (Israel et al., 2010; Israel and Westberg; 2011; Israel and Borch, 2015; Israel and Friend, 2016). The following description of regional geology is based on the most recently published data from the YGS.

Regionally, rocks around the Meloy property belong to three main tectonic elements: 1) Yukon-Tanana terrane; 2) Ruby Range suite; and 3) Kluane Schist. Collectively these elements form a northeast-dipping structural stack that exposes a roughly 50 km thick section of crust, extending from the Denali Fault to the north end of Aishihik and Sekulmun lakes. Figure 4 illustrates the most up to date regional mapping in the area of the Meloy property. Table I contains updated geological descriptions of the main units in the region.

Table I – Lithological Units (after Yukon Bedrock Geology Map, 2016)

Unit Name (symbol)	Age	Description
Ruby Range suite (PR)	Paleocene	Fine to coarse-grained, salt and pepper, hornblende ± biotite quartz diorite, medium grained, light grey to pinkish, biotite ± hornblende granodiorite; fine to medium grained, beige to grey tonalite with smoky grey quartz.
Rhyolite Creek (PRC)	Paleocene	Felsic, light grey, green, maroon, purple and black rhyolite and dacite; locally flow banded; commonly a breccia with clasts of rhyolite within a crystal-rich matrix; may include intrusive equivalents.

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

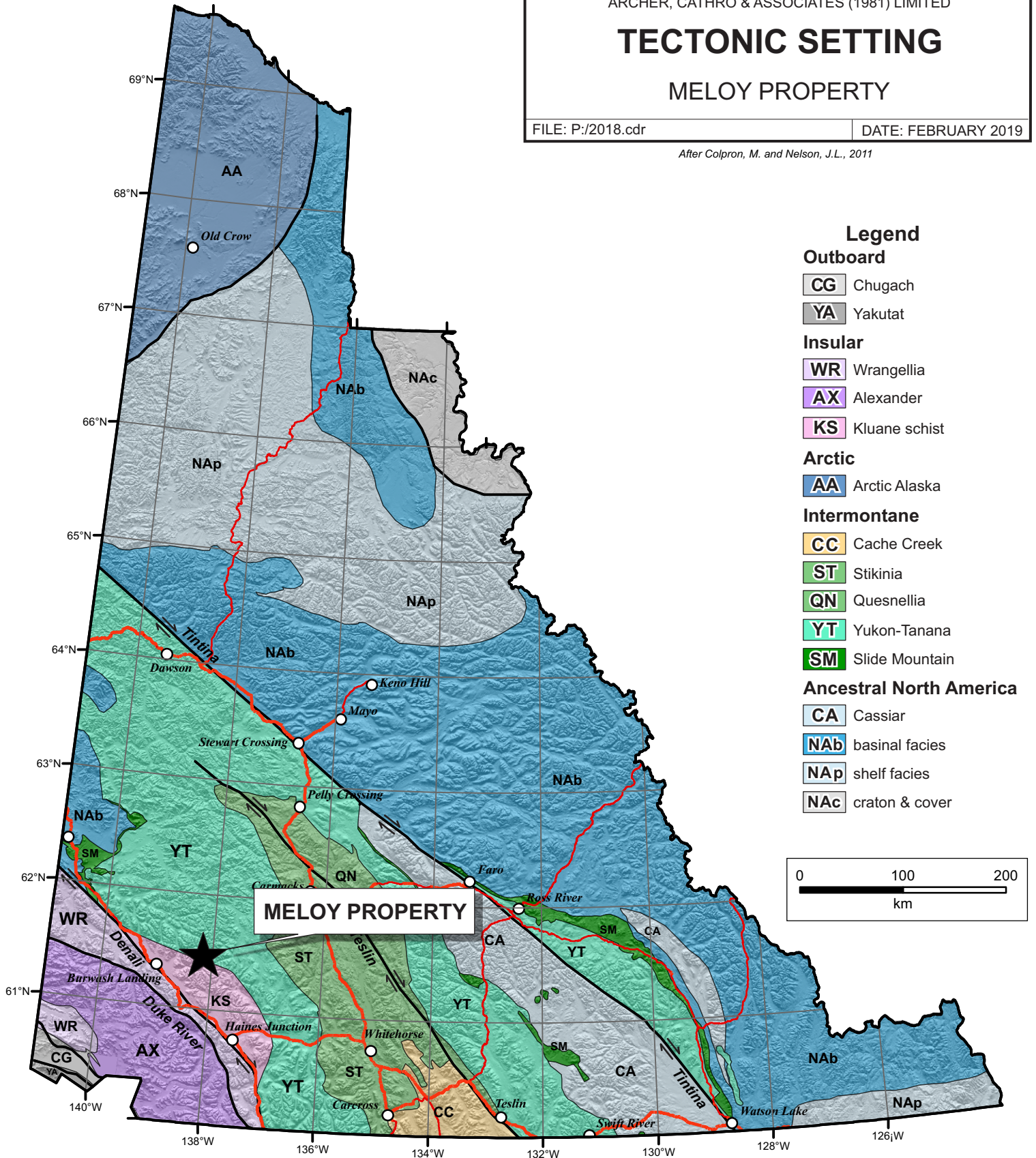
TECTONIC SETTING

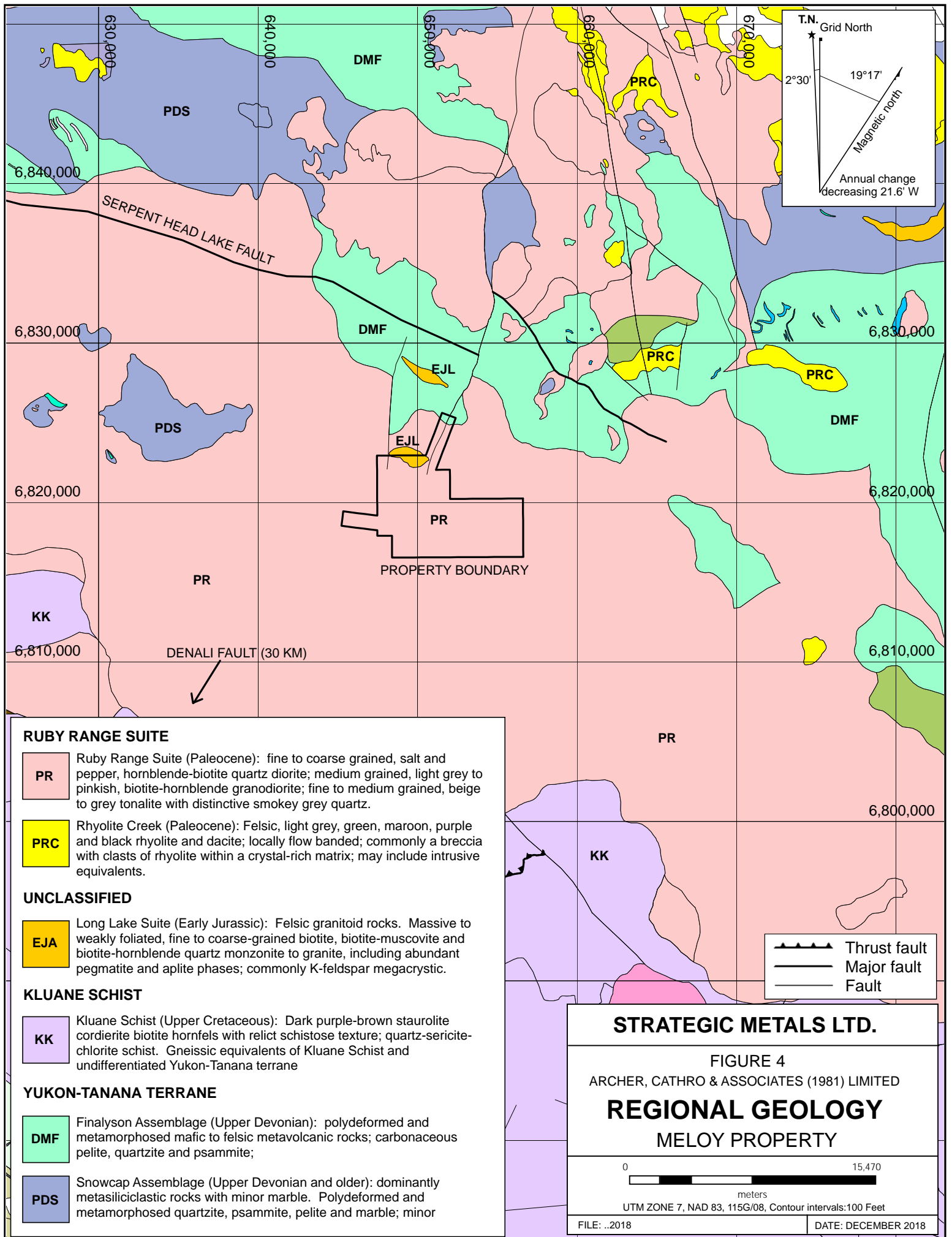
MELOY PROPERTY

FILE: P:/2018.cdr

DATE: FEBRUARY 2019

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





RUBY RANGE SUITE

PR Ruby Range Suite (Paleocene): fine to coarse grained, salt and pepper, hornblende-biotite quartz diorite; medium grained, light grey to pinkish, biotite-hornblende granodiorite; fine to medium grained, beige to grey tonalite with distinctive smokey grey quartz.

PRC Rhyolite Creek (Paleocene): Felsic, light grey, green, maroon, purple and black rhyolite and dacite; locally flow banded; commonly a breccia with clasts of rhyolite within a crystal-rich matrix; may include intrusive equivalents.

UNCLASSIFIED

EJA Long Lake Suite (Early Jurassic): Felsic granitoid rocks. Massive to weakly foliated, fine to coarse-grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic.

KLUANE SCHIST

KK Kluane Schist (Upper Cretaceous): Dark purple-brown staurolite cordierite biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist. Gneissic equivalents of Kluane Schist and undifferentiated Yukon-Tanana terrane

YUKON-TANANA TERRANE

DMF Finalyson Assemblage (Upper Devonian): polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite;

PDS Snowcap Assemblage (Upper Devonian and older): dominantly metasiliciclastic rocks with minor marble. Polydeformed and metamorphosed quartzite, psammite, pelite and marble; minor

Thrust fault
 Major fault
 Fault

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FIGURE 4
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY
MELOY PROPERTY

0 15,470
 meters
 UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2018

DATE: DECEMBER 2018

Kluane Schist (KK)	Upper Cretaceous	Dark purplish brown staurolite cordierite biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist; minor quartzite. Gneissic equivalents of Kluane Schist and undifferentiated Yukon-Tanana terrane; migmatite, paragneiss and orthogneiss near the lower contact between Ruby Range batholith and Kluane Schist.
Long Lake Suite (EJL)	Early Jurassic	Felsic granitoid rocks. Massive to weakly foliated, fine to coarse-grained biotite, biotite-muscovite and biotite-hornblende quartz monzonite to granite, including abundant pegmatite and aplite phases; commonly K-feldspar megacrystic.
Finlayson Assemblage (DMF)	Upper Devonian to Lower Mississippian	Polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; light grey to beige marble.
Snowcap Assemblage (PDS)	Upper Devonian	Assemblage of dominantly metasiliciclastic rocks with minor marble. Polydeformed and metamorphosed quartzite, psammite, pelite and marble; minor greenstone and amphibolite.

The Yukon-Tanana terrane in the region consists of Proterozoic to Devonian siliciclastic rocks of the Snowcap Assemblage, which are structurally interleaved with Devonian to Mississippian metavolcanic rocks, carbonaceous schist, quartzite and marble of the Finlayson Assemblage. These rocks are polydeformed and metamorphosed up to amphibolite grade. Structure is dominated by a moderately to steeply northeast dipping, northwest striking foliation and southwest verging overturned folds.

The Ruby Range suite is primarily composed of biotite-hornblende granodiorite and quartz diorite. Other phases include granite, tonalite and quartz-feldspar porphyry. The suite ranges in age from approximately 65 Ma to 52 Ma. The oldest portions of the suite are found along the Klühini River thrust and are strongly to moderately foliated. Younger phases tend to be massive and cross-cut the foliation within older phases, and overprint much of the thrust. The younger phases have distinctive smoky quartz crystals and show evidence of being intruded at high crustal levels. The Ruby Range suite is intimately related to its extrusive equivalent, the Rhyolite Creek volcanic rocks. The volcanic rocks are dominated by dacite, andesite and rhyolite with minor amounts of basalt. The Rhyolite Creek volcanic rocks outcrop at the northern edge of the Ruby Range suite, corresponding to the magmatic rocks intruded at the higher crustal levels.

The Kluane Schist is dominated by biotite, muscovite and quartz schist with minor carbonaceous pelite, ultramafic rocks and marble. The schists are upper greenschist to lower amphibolite grade, and show several phases of deformation. The dominant structures are similar to the Yukon-Tanana terrane with northwest striking and northeast dipping foliation and overturned, southwest verging folds. An early Late Cretaceous age has been assigned to the Kluane Schist based on detrital zircons found within the unit.

The Yukon-Tanana terrane is thrust over the Kluane Schist along the Klühini River thrust. This is a Late Cretaceous thrust fault that is truncated by the Denali fault in the northwest and continues into northwestern British Columbia in the south. Most of this fault is overprinted by intrusive rocks of the Ruby Range suite; however, it is periodically exposed between Kluane Lake in the west and Dezadeash Lake in the south. The most recent ductile deformation within the Yukon-Tanana terrane and all ductile fabrics within the Kluane Schist can be related to this Late Cretaceous thrusting event.

The area has also been affected by large brittle-ductile and brittle faults. The largest of these structures is the Denali fault, located approximately 40 km to the south of the Meloy property. This is a northwest striking, steeply dipping fault that has as much as 400 km of Late Cretaceous to Tertiary dextral offset. Closer to the Meloy property the Serpent Head Lake fault strikes northwest and has up to 100 km of strike length. The age and kinematics of this fault are unknown; however it may be an important feature for controlling mineralization to the west of the Meloy (e.g. the Wolf porphyry prospect). Several north and northeast striking brittle structures cut intrusive rocks of the Ruby Range suite as well as the Rhyolite Creek volcanic rocks. In some instances these structures act as conduits for mafic and porphyry dykes and overlying volcanic rocks.

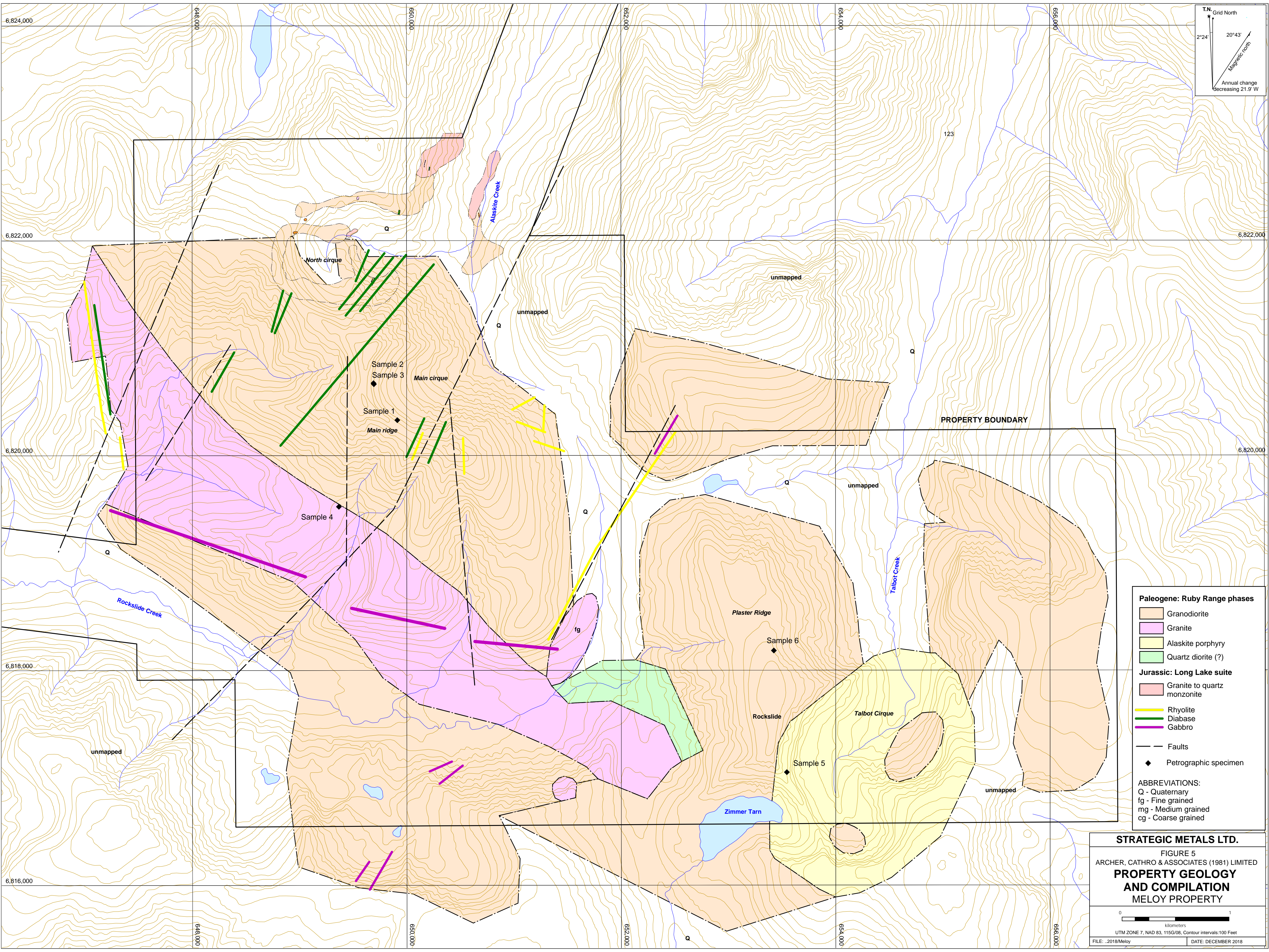
PROPERTY GEOLOGY

Systematic geological mapping at the Meloy property was conducted by Strategic Metals in 2014 and 2018. The following descriptions are based on work completed by Strategic Metals and from compiled historical mapping programs. Geological mapping in the area is hampered by difficult access to bedrock and extensive talus cover.

The Meloy property is dominantly underlain by several generations of Paleogene intrusions associated with the Ruby Range suite. Four intrusive phases have been identified, to date, from compiled geological mapping on the property. These units are: 1) medium to coarse grained, light grey to pinkish, biotite ± hornblende granodiorite to tonalite, with common smoky grey quartz crystals; 2) medium to locally fine grained granite; 3) alaskite to granodiorite porphyry; and 4) quartz diorite.

Throughout the property, Ruby Range rocks have distinctive rusty, grey or tan weathered surfaces (Figure 5). Rusty weathering is particularly prevalent in the Main Cirque and Main Ridge areas and is likely attributed to densely clustered fracture sets. Grey and tan colouration appears to reflect alteration. Petrographic analysis of six rock samples from the Ruby Range suite (see Figure 5 for locations) identified three stages of alteration and their respective weathering colourations (Yakovenko, 2010). Alteration includes: 1) minor propylitic to incipient potassic (rusty weathering); 2) minor potassic to phyllic (grey to tan weathering); and 3) minor to trace phyllic to silicic.

Several fracture sets have been measured within the Ruby Range suite. Although a wide range of attitudes were recorded, the primary fracture set strikes 000 to 045° and dip 65 to 80° to the west. On the Main Ridge, a number recessively weathering linears, trending 000 to 022°, coincide with strongly fractured dykes containing quartz-flooded fracture swarms.



- Paleogene: Ruby Range phases**
- Granodiorite
 - Granite
 - Alaskite porphyry
 - Quartz diorite (?)
- Jurassic: Long Lake suite**
- Granite to quartz monzonite
- Other units:**
- Rhyolite
 - Diabase
 - Gabbro
- Structural and Other Symbols:**
- Faults
 - Petrographic specimen
- ABBREVIATIONS:**
- Q - Quaternary
 - fg - Fine grained
 - mg - Medium grained
 - cg - Coarse grained

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FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY GEOLOGY
AND COMPILATION
MELOY PROPERTY**

0 1
kilometers

UTM ZONE 7, NAD 83, 115G/08, Contour intervals: 100 Feet

FILE: ..2018/Meloy DATE: DECEMBER 2018

A structural zone identified atop the Main Ridge, between trenches TR-14-01 and TR-14-03, separates grey weathering granodiorite from rusty weathering granodiorite. This zone strikes northeast and appears to align with a fault interpreted to run along Alaskite Creek. Several steeply dipping diabase dykes are found within this structural zone, some of which have well-developed slickensides and polished surfaces suggesting they were emplaced during or prior to movement along the fault.

Late stage, fine-grained, homogenous, diabase dykes and fine-grained aplite to quartz-feldspar porphyry dykes parallel the dominant fracture set. Where exposed, these dykes are up to two metres thick. In the central part of the property, gabbro dykes have been mapped following an easterly trend.

In the northern part of the property, along Alaskite Creek, a plug of Early Jurassic quartz monzonite to granite belonging to the Long Lake suite, abuts Ruby Range rocks.

MINERALIZATION AND HAND TRENCHING

To date, the Main Ridge and the Main Cirque areas have been the primary focus of exploration by Strategic Metals. During the 2018 exploration program, prospecting extended into the North Cirque. The following descriptions of mineralization, distribution and alteration are based on field observations and historical data compilation.

Most of the mineralization discovered on the property is hosted in quartz veins, veinlets and fractures. Mineralized structures are most evident within the grey weathering Ruby Range suite in areas with potassic to phyllic and phyllic to silicic alteration. Some quartz veining is found along the selvages of diabase dykes that cut the Ruby Range suite.

A variety of sulphide minerals have been identified on the property. Pyrite, arsenopyrite, chalcopyrite, pyrrhotite and bornite occur in narrow fractures and quartz veins. Molybdenum is found as fine grains in veins that range from millimetre-scale to 30 cm in width or as coarse rosettes along dry fractures. Bladed wolframite crystals up to 1.5 cm in length are hosted in quartz veins that are up to six centimetres across. No tin or zinc minerals have been identified in the western part of the property, but sphalerite has been found in the Rockslide zone to the southeast. Table II describes styles of mineralization in the veins.

Table II – Styles of Mineralization within Quartz Veins

Mineral	Abundance	Size and form
Pyrite	Approximately 2%	Disseminated, 2 mm cubic crystals
Chalcopyrite	Approximately 4%	Disseminated and blebby crystals
Arsenopyrite	Less than 1%	Fine stringers
Molybdenite	Approximately 3%	Up to 3 cm diameter rosettes
Bornite	Less than 1%	Bands up to 2 cm thick
Wolframite	Approximately 1%	3 mm to 1.5 cm long bladed crystals.

Secondary mineralization occurs within and adjacent to weathered quartz veins and diabase dykes. Malachite and azurite coat talus surfaces and fracture planes in the recessive linears associated with mafic dykes. Small limonitic pits are common within quartz veins. Scorodite is found within the east-trending zone of tan talus in the south of the Main Ridge and in the Rockslide area.

The highest concentrations of quartz veins are observed within recessive linears along the crest of the Main Ridge and in outcrops along the southern wall of the Main Cirque; however, this apparent distribution may be biased because much of the property has not been systematically mapped or prospected.

In 2018, a total of nine rock samples were collected from around the North Cirque and in the eastern part of the property. Rock sample locations are found on Figure 6, while thematic results for copper, gold, silver and molybdenum, where available, are illustrated on Figures 7 to 10, respectively. Rock sample descriptions are located in Appendix III, while Certificates of Analysis are copied in Appendix IV.

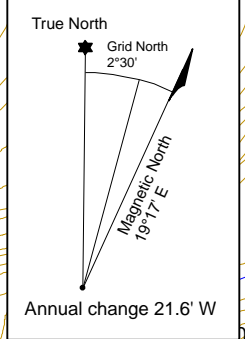
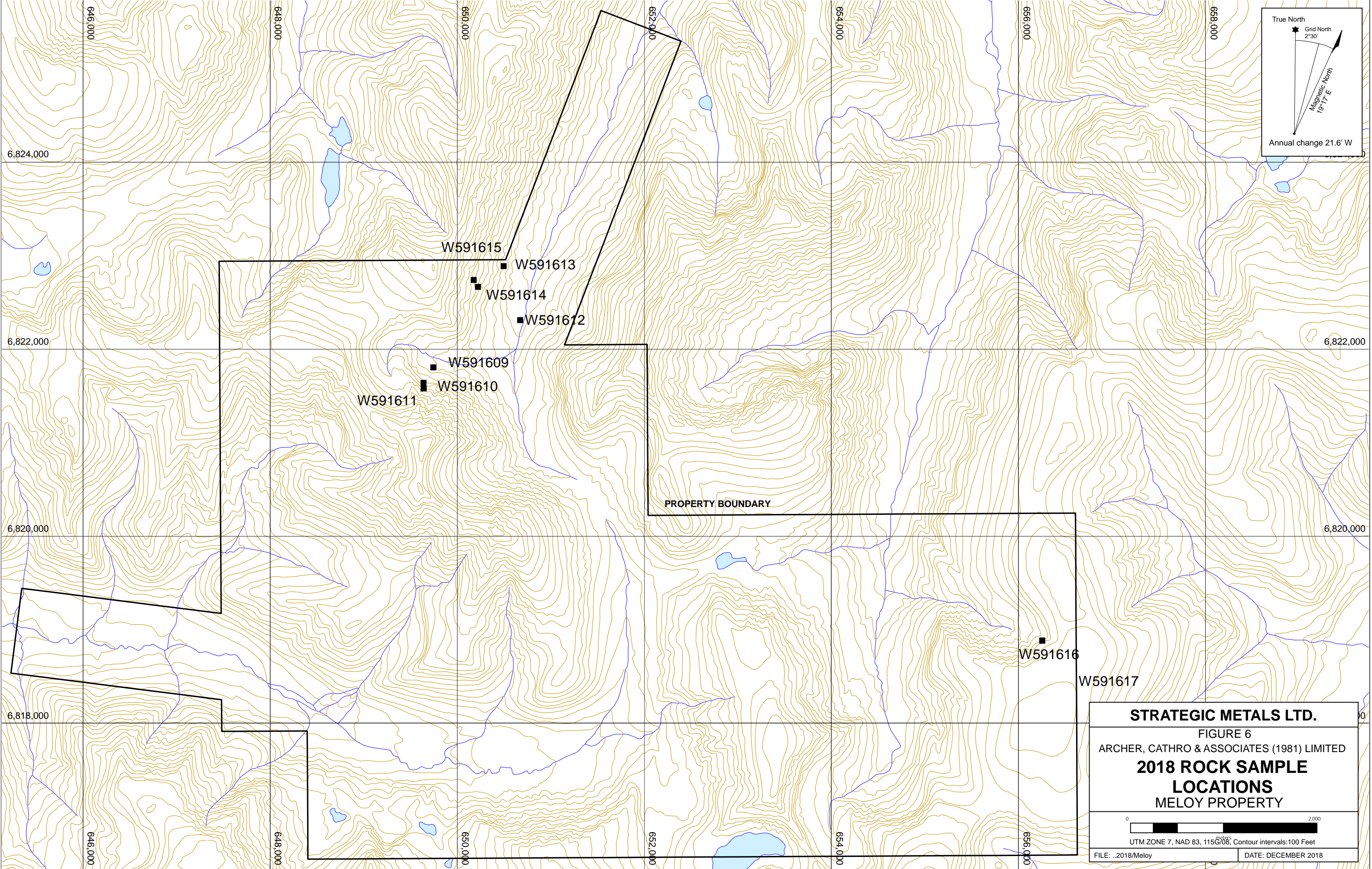
All rock sample sites in 2018 were marked with orange flagging tape labeled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for shipment were double bagged with an individually pre-numbered sample tag placed in each bag. Analytical work was done by ALS Minerals, with sample preparation in Whitehorse and assays and geochemical analyses in North Vancouver. All rock samples were analyzed for gold by fire assay followed by atomic absorption (Au-AA24) and 48 other elements by four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (ME-MS61). Overlimit values were determined for copper and silver using a four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (Cu/Ag-OG62). Overlimit values were determined for tin using a four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (ME-MS85).

Descriptions of samples collected during previous programs and sample preparation and analytical techniques used to test them can be found in Smith (2008, 2011 and 2012) and Burrell, 2014. Anomalous thresholds and peak values for metals of interest are listed in Table III.

Table III – Anomalous Rock Thresholds

Element	Weak (ppm)		Moderate (ppm)		Strong (ppm)	Historical Peak (ppm)	2018 Peak (ppm)
Copper	>200	≤500	>500	≤1000	>1000	121,500*	42,100
Gold	>0.2	≤0.5	>0.5	≤1.0	>1.0	1.31	0.139
Silver	>5	≤10	>10	≤20	>20	560	825
Molybdenum	>50	≤100	>100	≤500	>500	39,400	9.01
Tungsten	>100	≤200	>200	≤500	>500	35,100	3840
Tin	>100	≤200	>200	≤500	>500	1950	1850
Zinc	>500	≤1000	>1000	≤2000	>2000	10,010*	8510

* Overlimit analyses for copper and zinc were not performed in 2010.



W591615
W591613
W591614
W591612
W591609
W591610
W591611

PROPERTY BOUNDARY

W591616
W591617

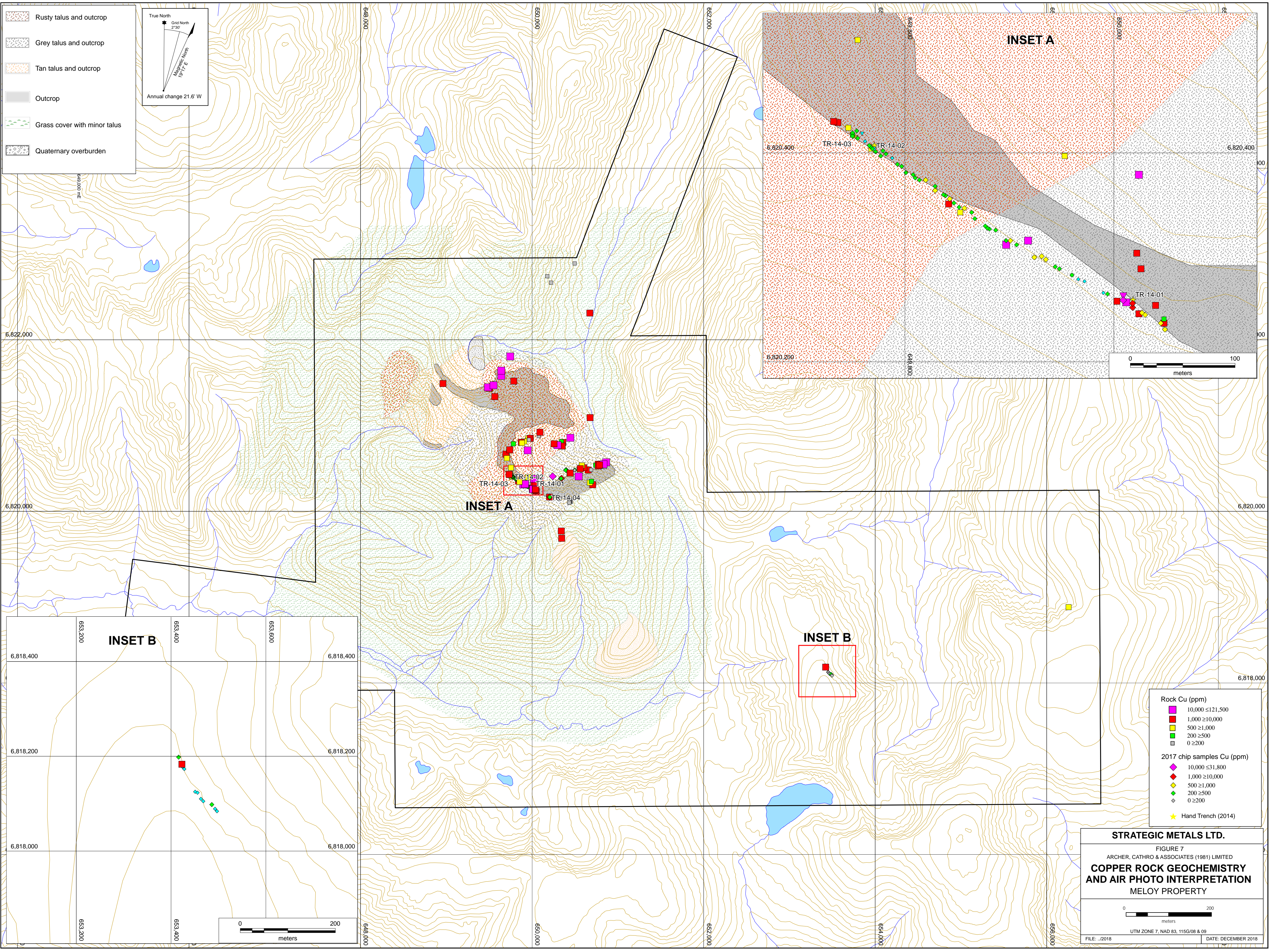
STRATEGIC METALS LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**2018 ROCK SAMPLE
LOCATIONS**
MELOY PROPERTY



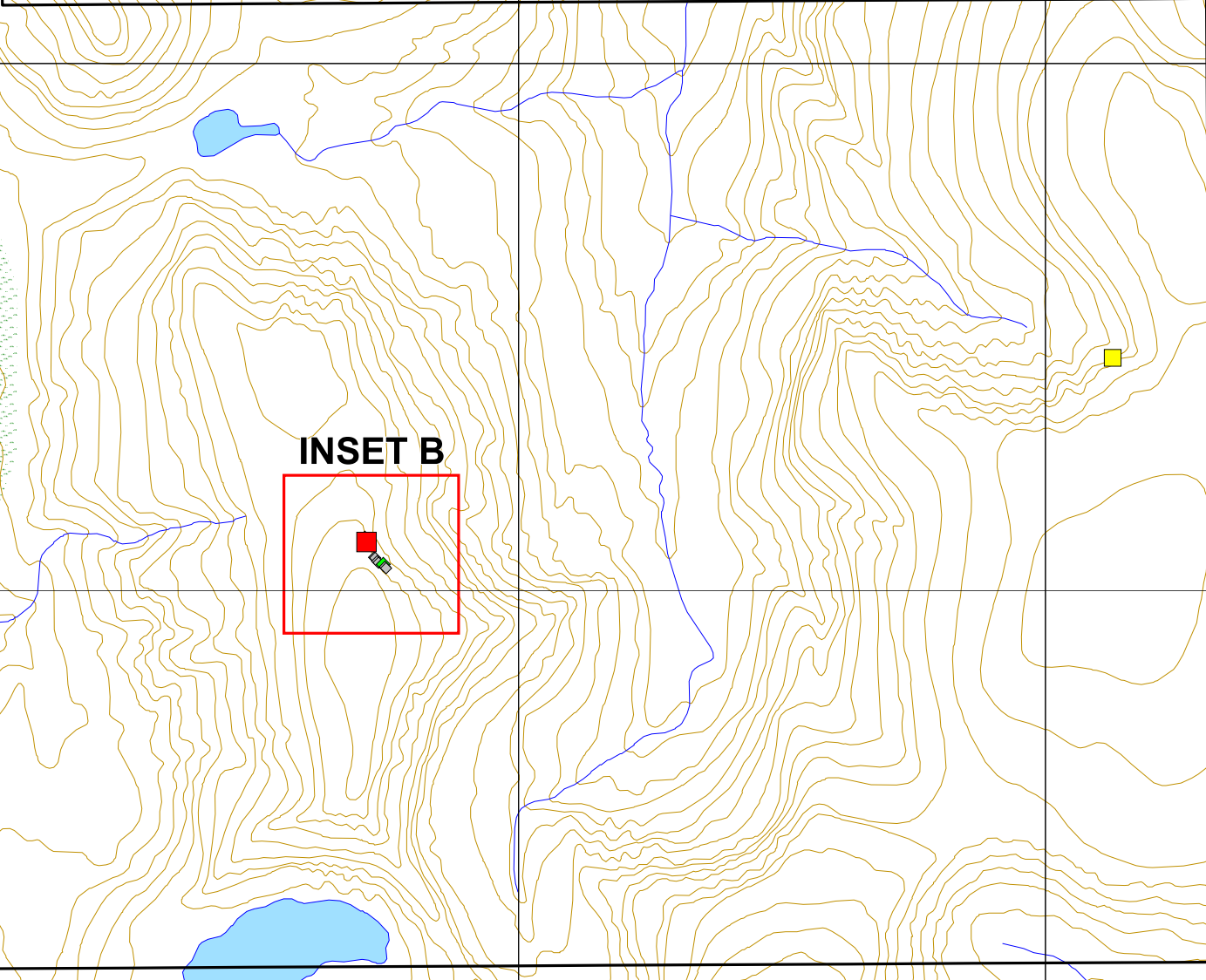
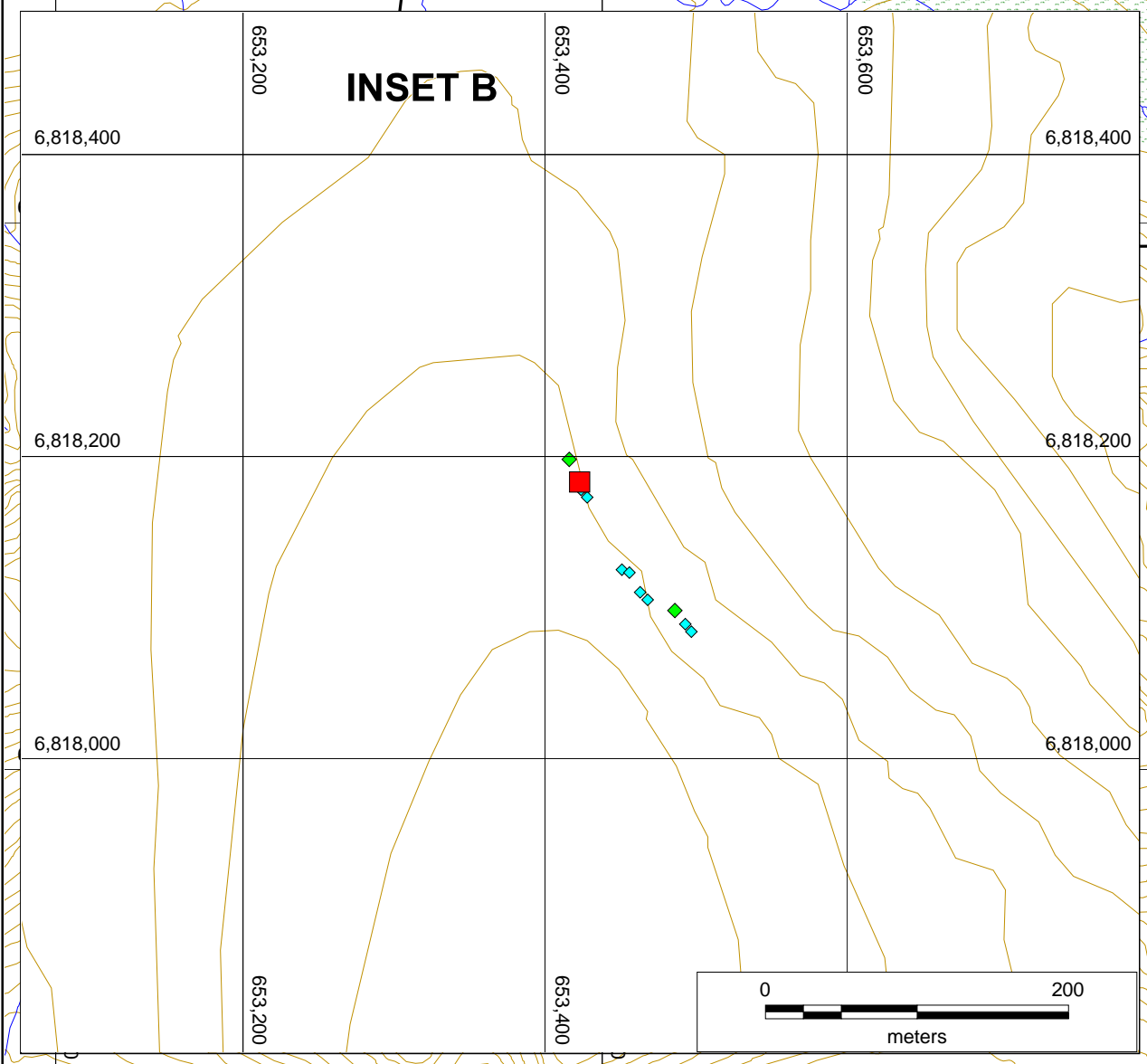
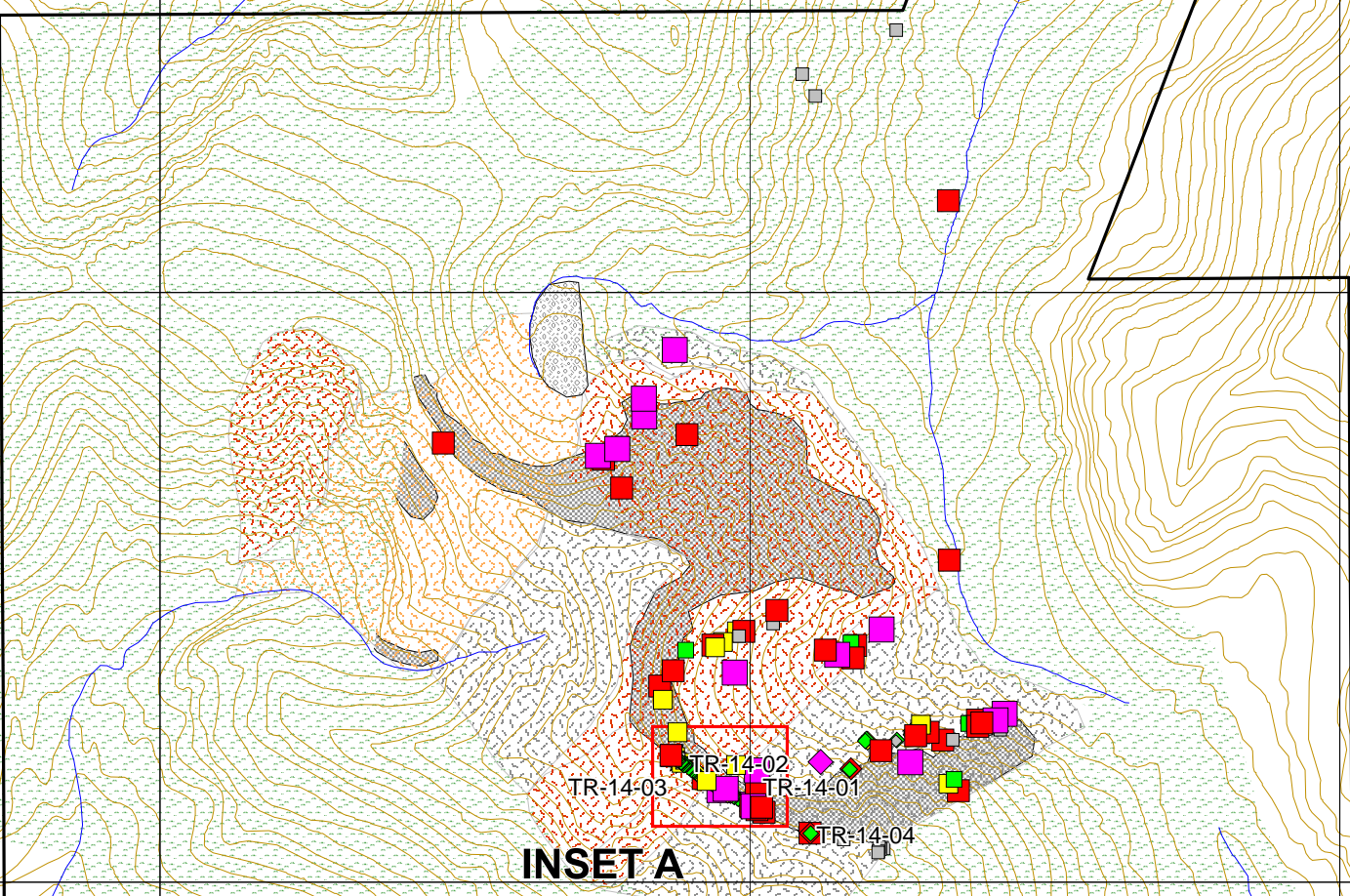
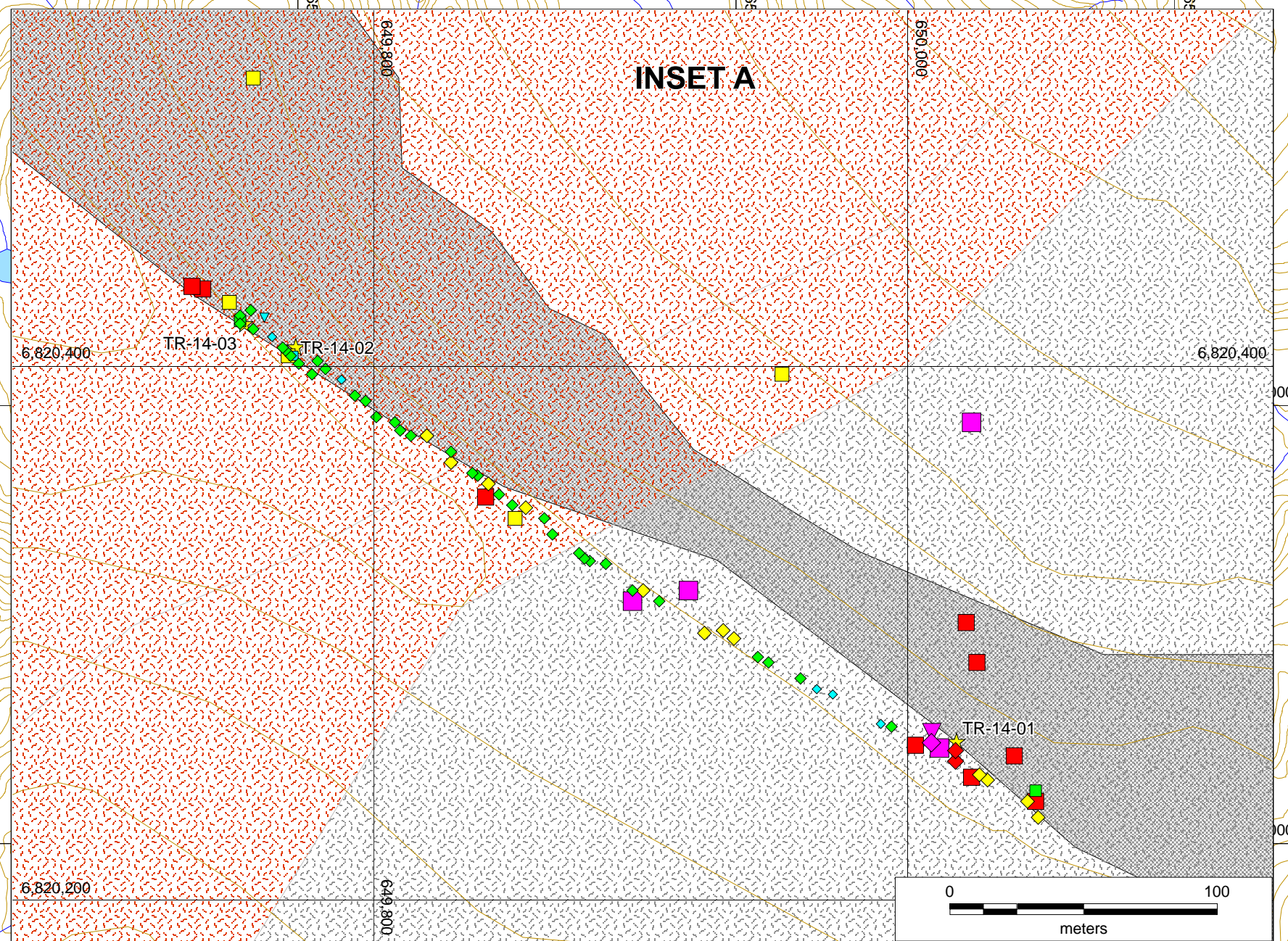
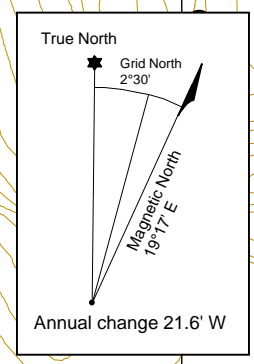
UTM ZONE 7, NAD 83, 115G/08, Contour intervals: 100 Feet

FILE: ..2018/Meloy

DATE: DECEMBER 2018



- Rusty talus and outcrop
- Grey talus and outcrop
- Tan talus and outcrop
- Outcrop
- Grass cover with minor talus
- Quaternary overburden



- Rock Cu (ppm)**
- 10,000 ≤ 121,500
 - 1,000 ≥ 10,000
 - 500 ≥ 1,000
 - 200 ≥ 500
 - 0 ≥ 200
- 2017 chip samples Cu (ppm)**
- 10,000 ≤ 31,800
 - 1,000 ≥ 10,000
 - 500 ≥ 1,000
 - 200 ≥ 500
 - 0 ≥ 200
- Hand Trench (2014)

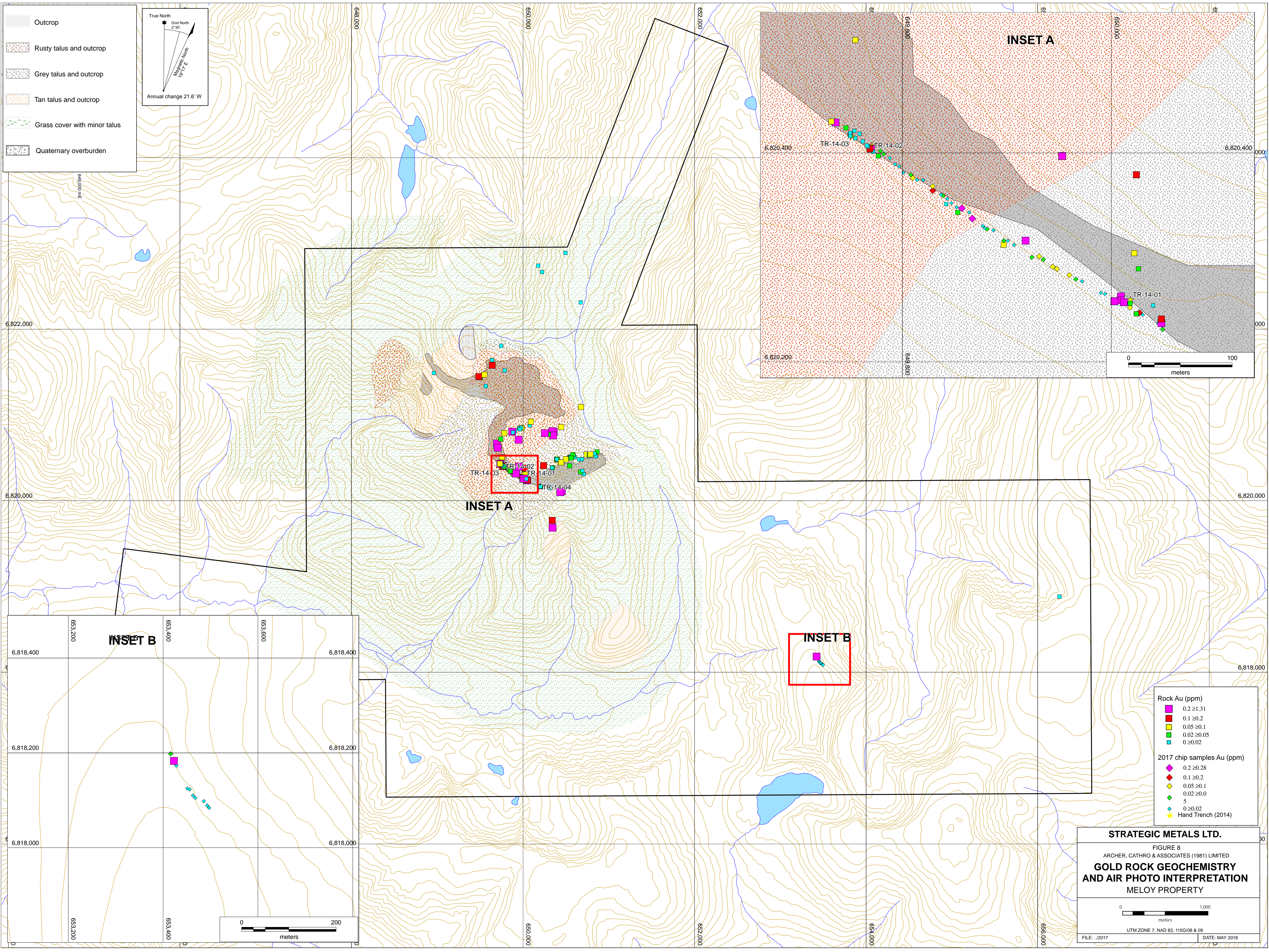
STRATEGIC METALS LTD.

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**COPPER ROCK GEOCHEMISTRY
AND AIR PHOTO INTERPRETATION**
MELOY PROPERTY

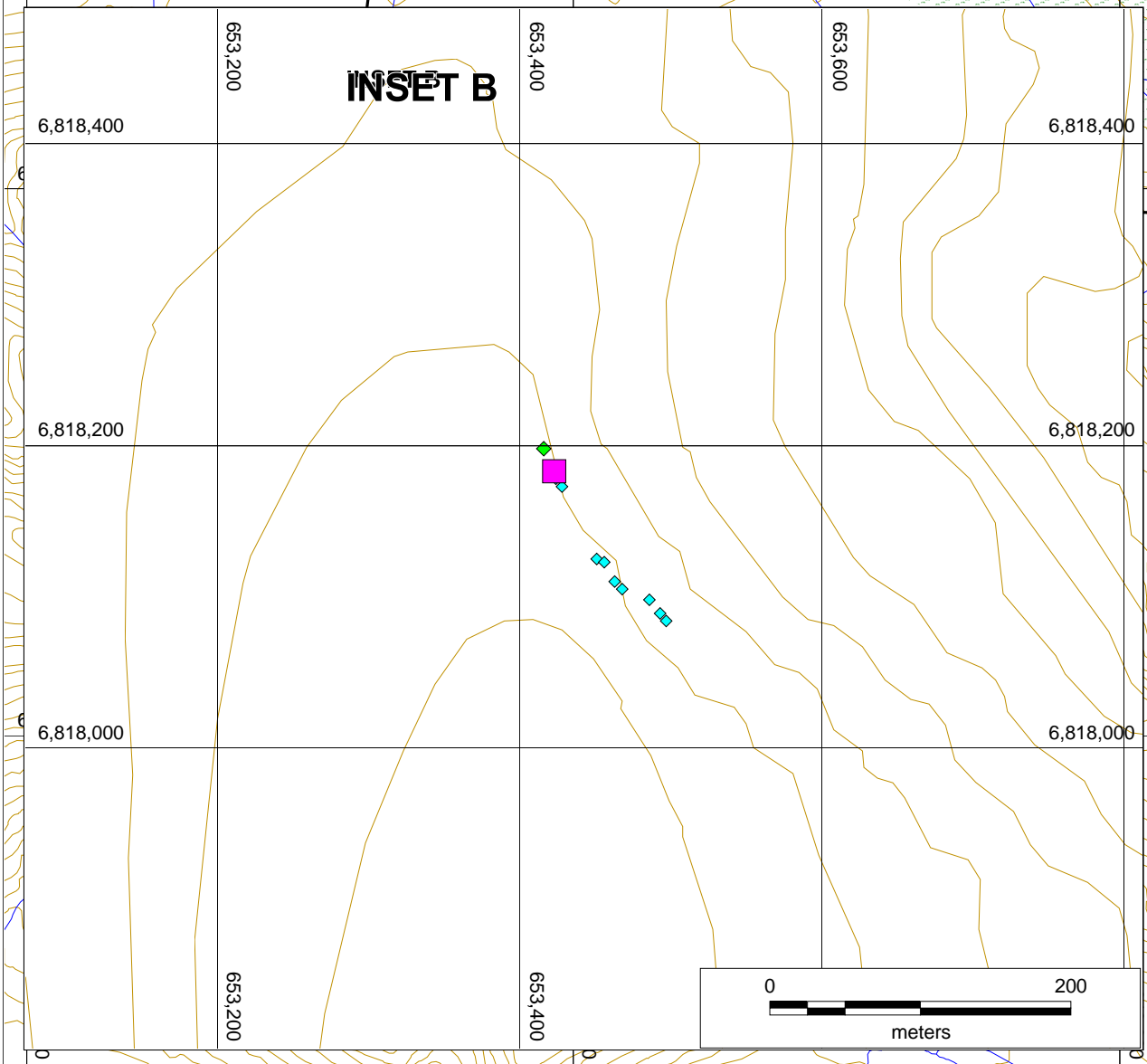
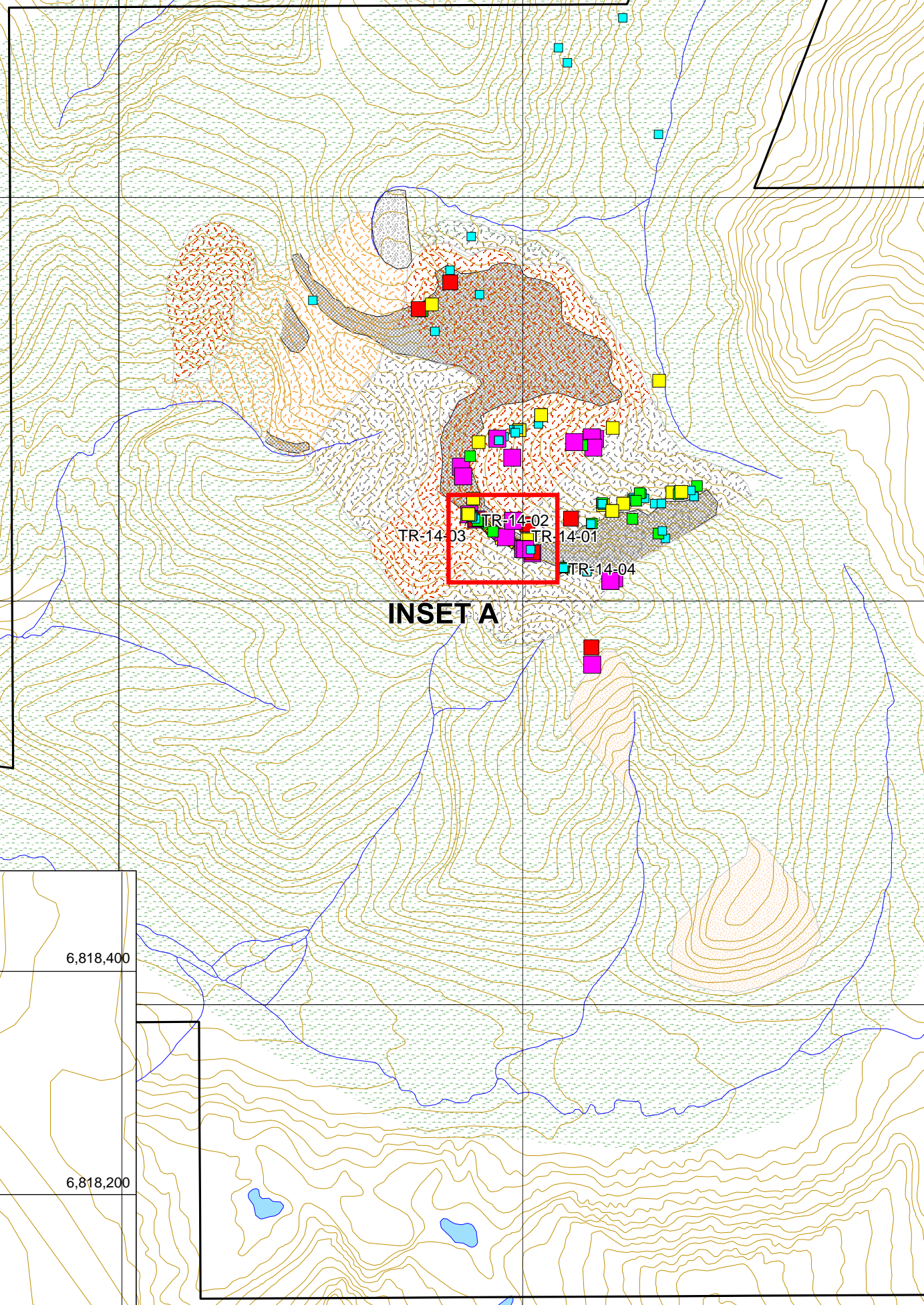
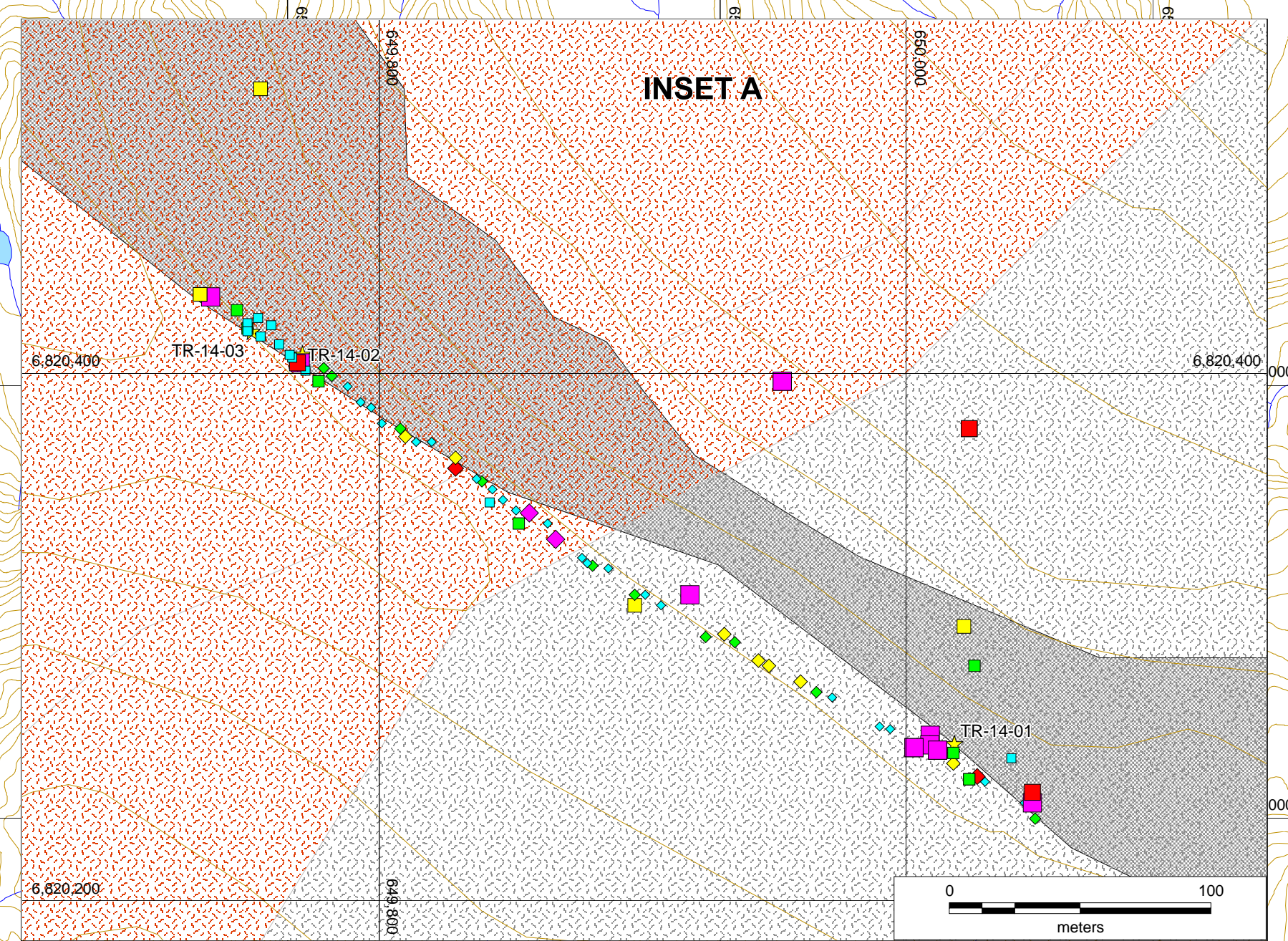
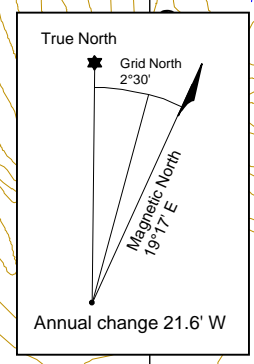
0 200
meters

UTM ZONE 7, NAD 83, 115G/08 & 09

FILE: /2018 DATE: DECEMBER 2018



- Outcrop
- Rusty talus and outcrop
- Grey talus and outcrop
- Tan talus and outcrop
- Grass cover with minor talus
- Quaternary overburden

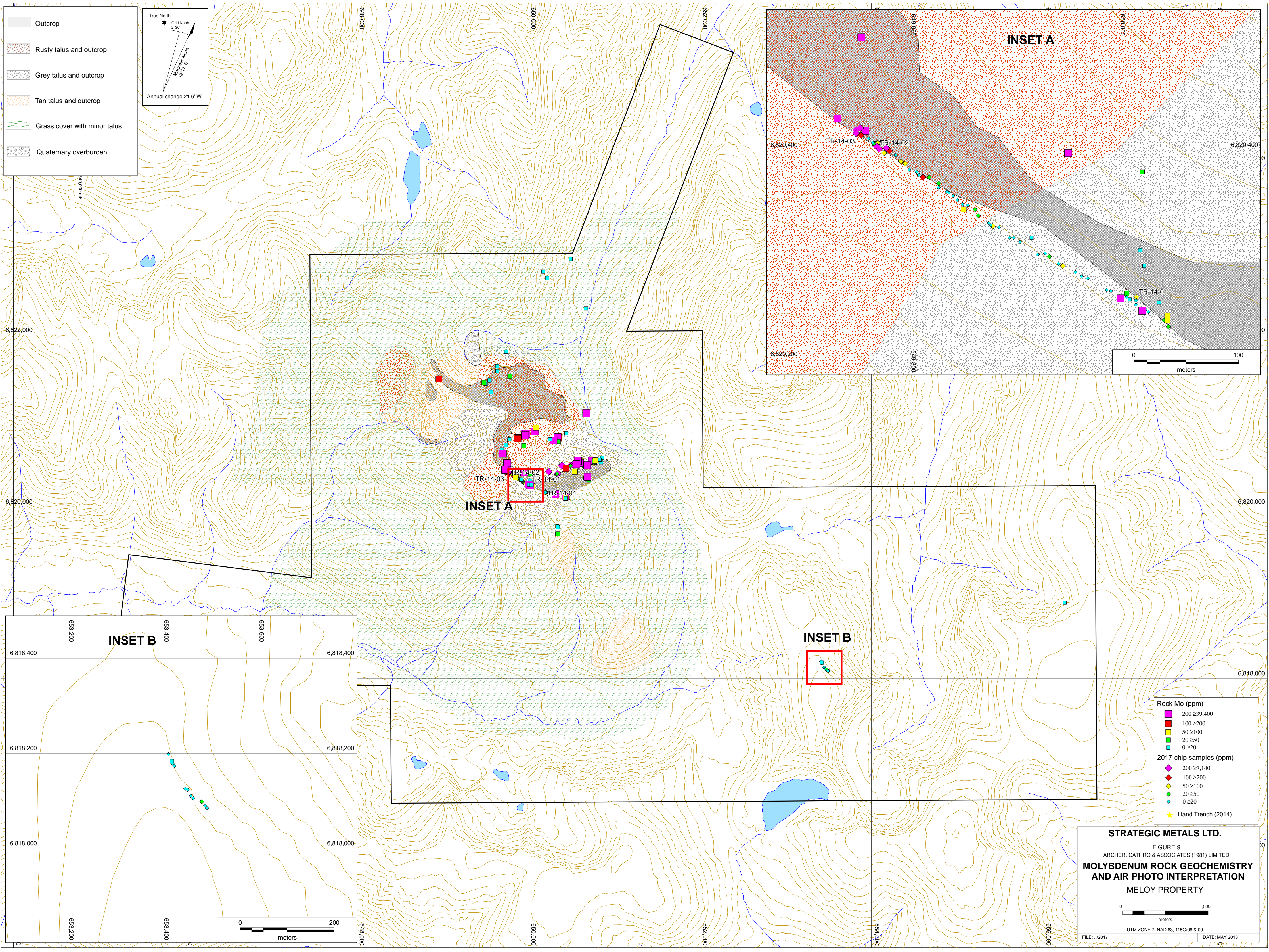


- Rock Au (ppm)**
- 0.2 \geq 1.31
 - 0.1 \geq 0.2
 - 0.05 \geq 0.1
 - 0.02 \geq 0.05
 - 0 \geq 0.02
- 2017 chip samples Au (ppm)**
- 0.2 \geq 0.28
 - 0.1 \geq 0.2
 - 0.05 \geq 0.1
 - 0.02 \geq 0.0
 - 5
 - 0 \geq 0.02
 - Hand Trench (2014)

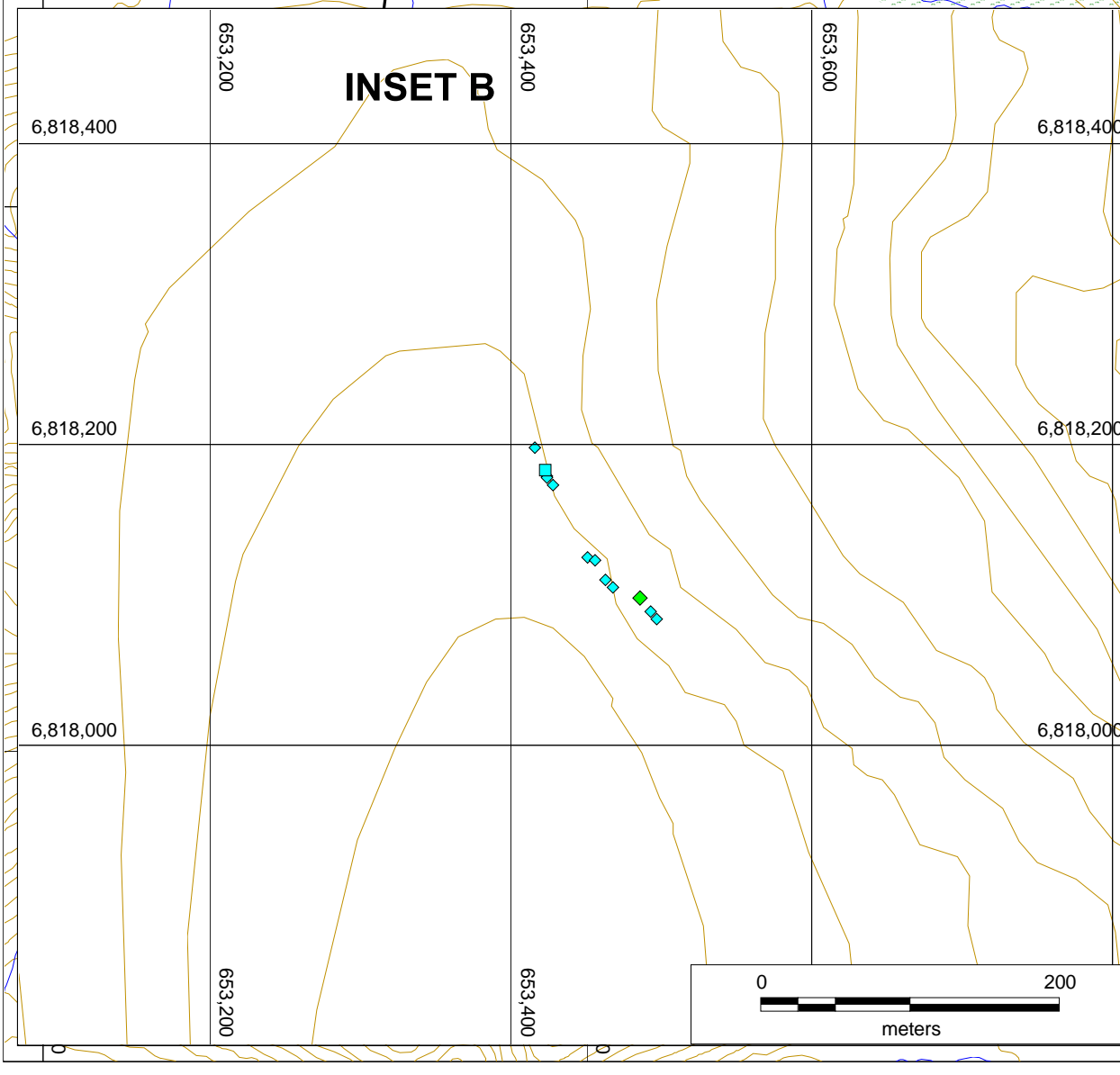
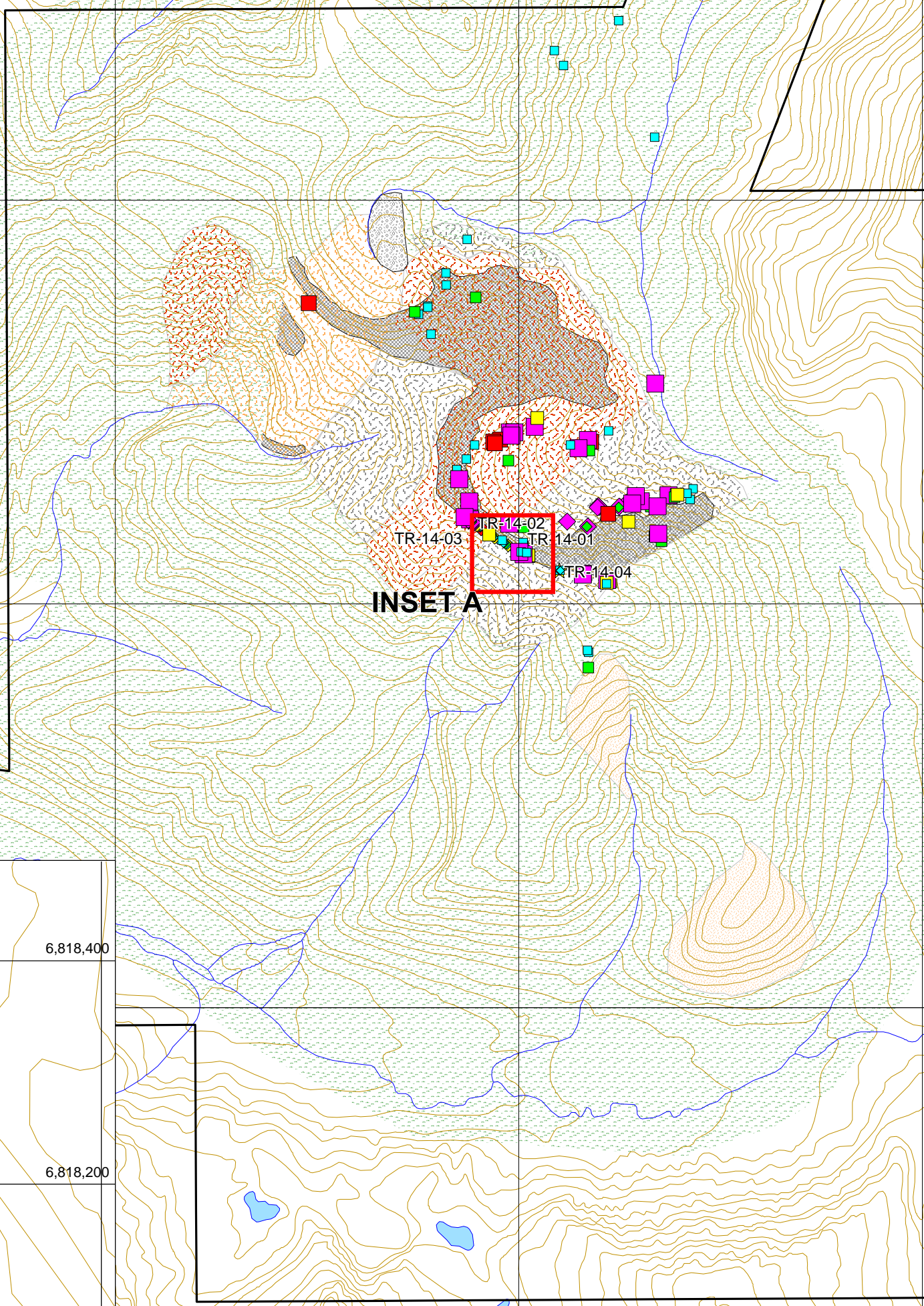
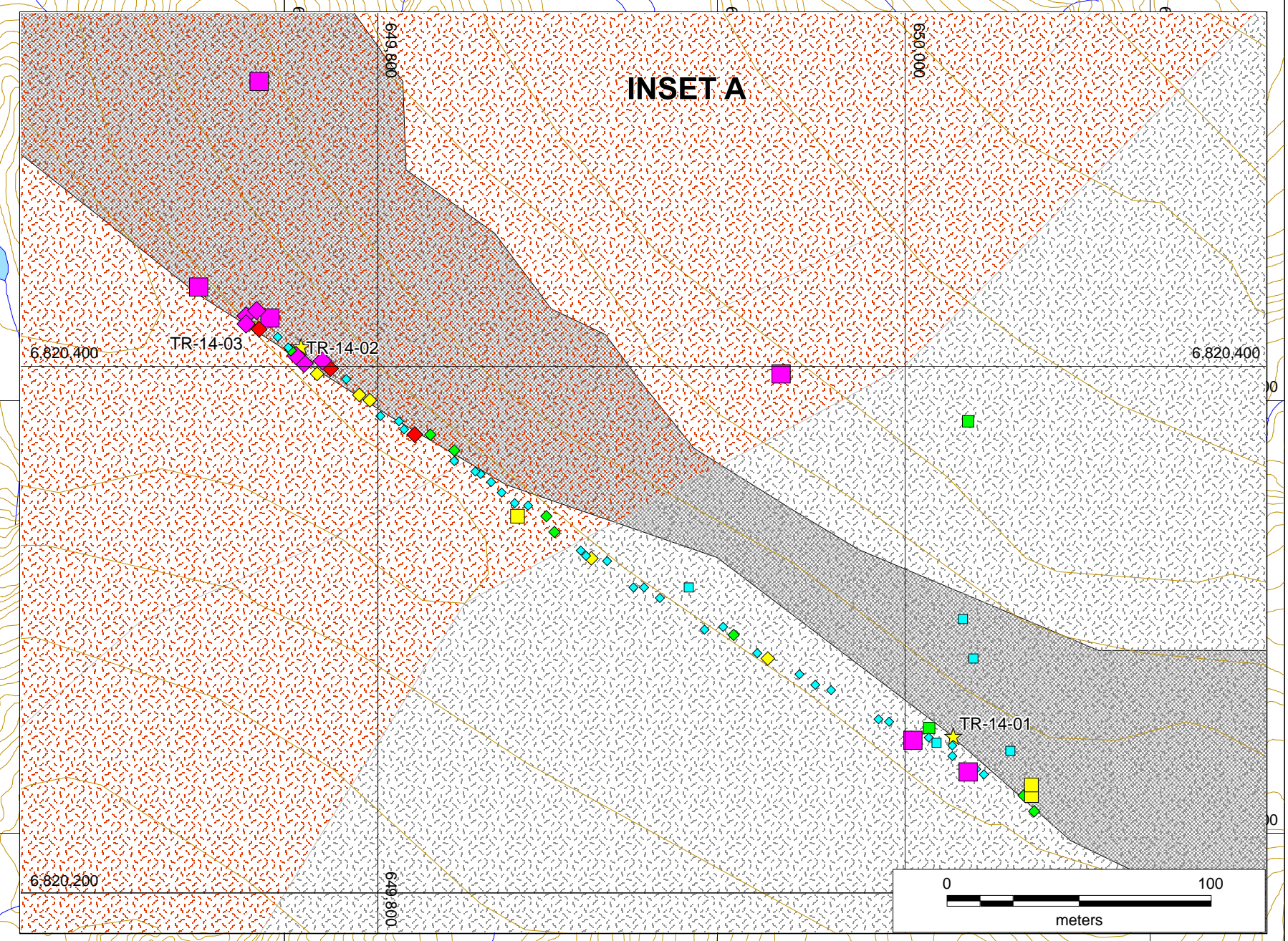
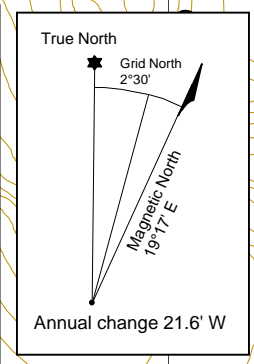
STRATEGIC METALS LTD.

FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**GOLD ROCK GEOCHEMISTRY
AND AIR PHOTO INTERPRETATION**
MELOY PROPERTY

UTM ZONE 7, NAD 83, 115G/08 & 09
FILE: ..2017 DATE: MAY 2018



- Outcrop
- Rusty talus and outcrop
- Grey talus and outcrop
- Tan talus and outcrop
- Grass cover with minor talus
- Quaternary overburden

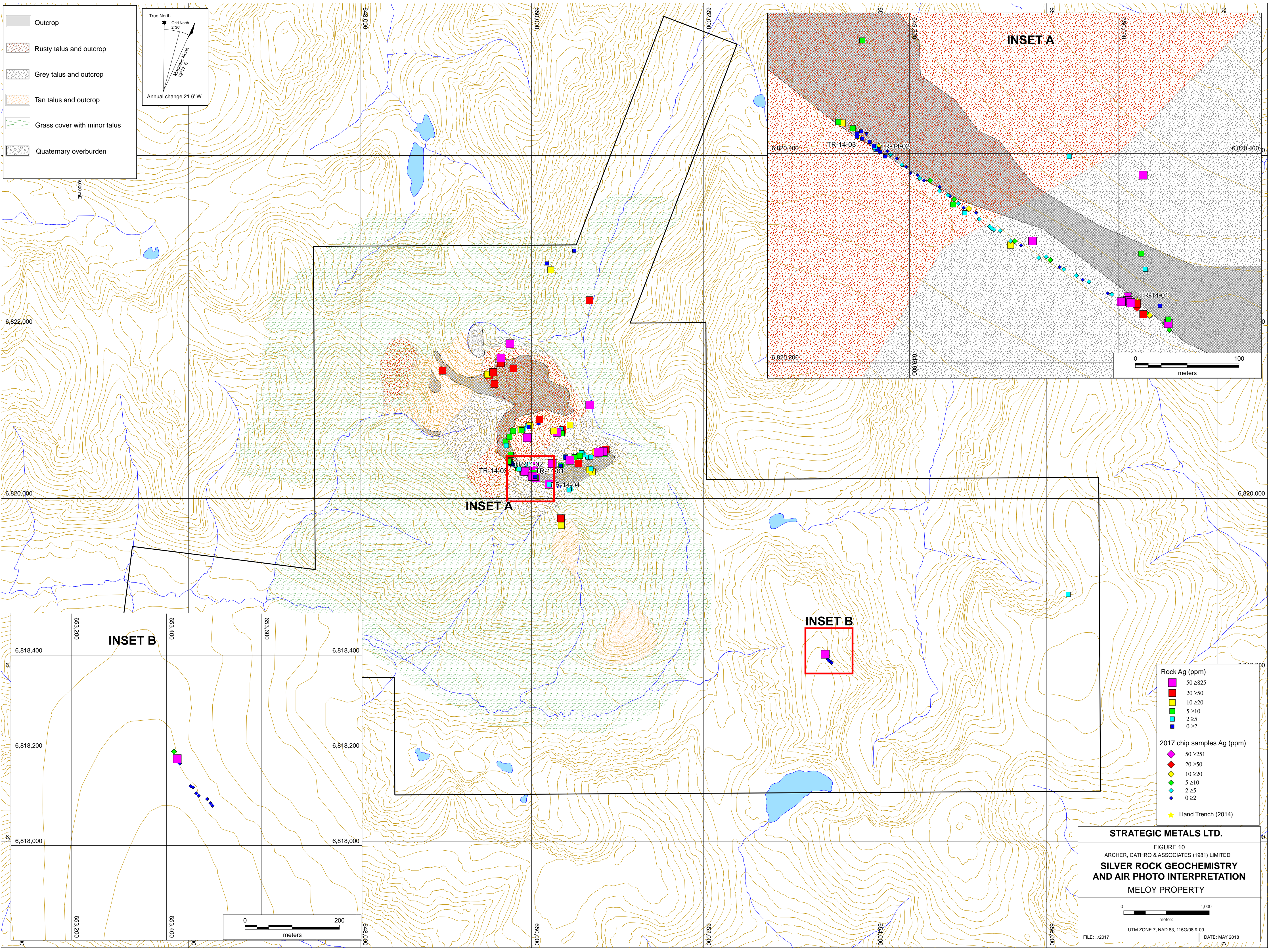


- Rock Mo (ppm)**
- 200 ≥ 39,400
- 100 ≥ 200
- 50 ≥ 100
- 20 ≥ 50
- 0 ≥ 20
- 2017 chip samples (ppm)**
- 200 ≥ 7,140
- 100 ≥ 200
- 50 ≥ 100
- 20 ≥ 50
- 0 ≥ 20
- Hand Trench (2014)

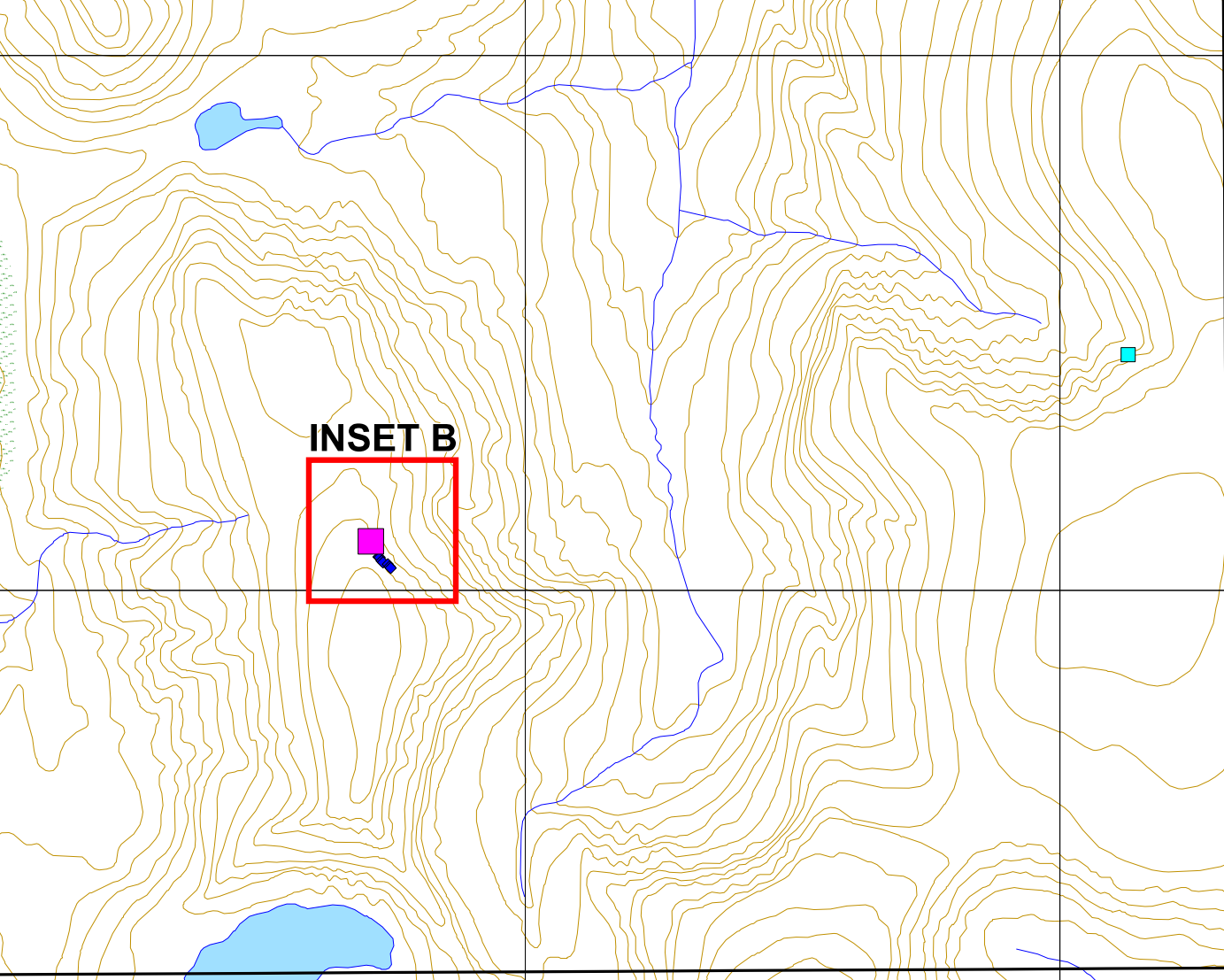
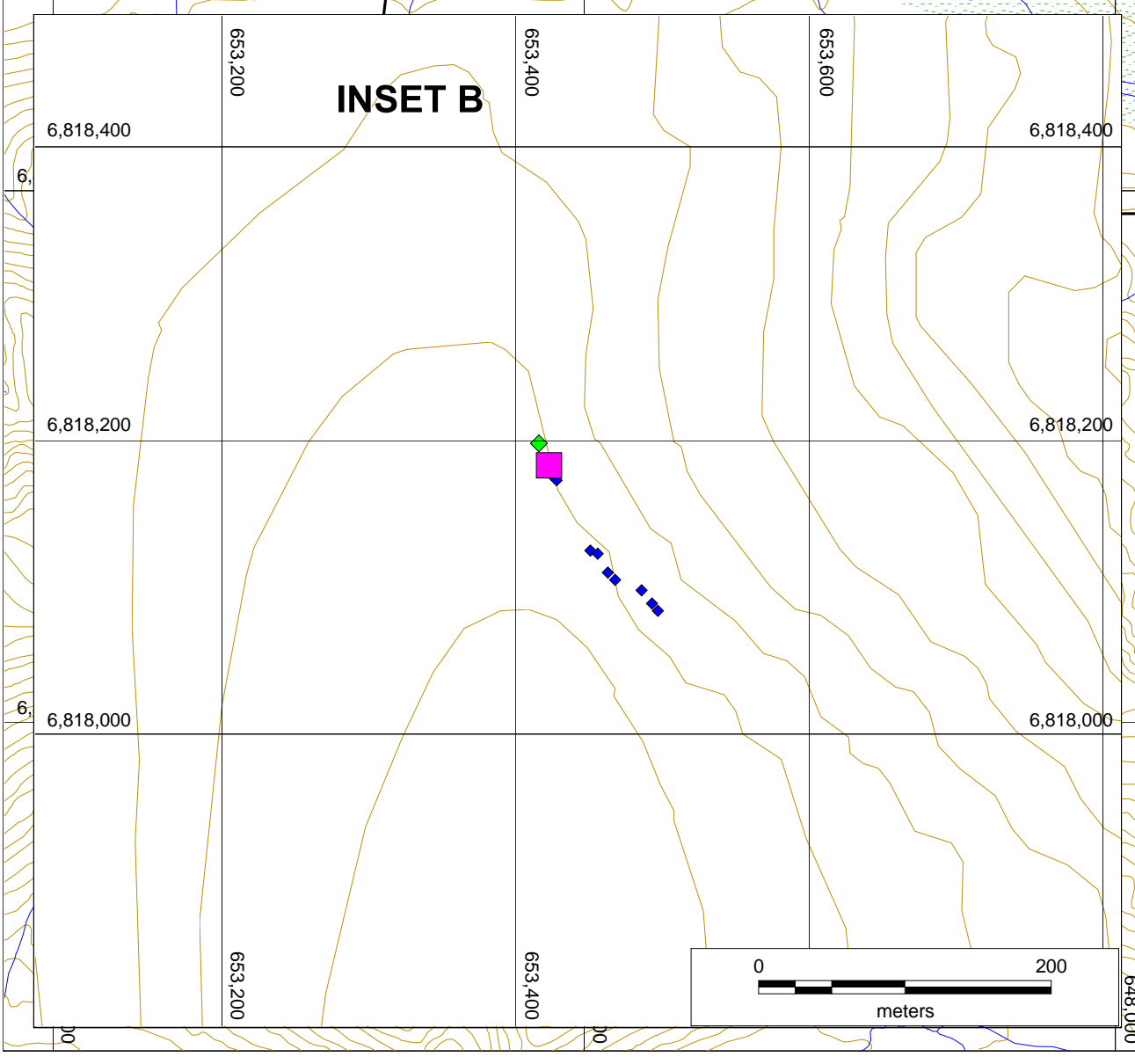
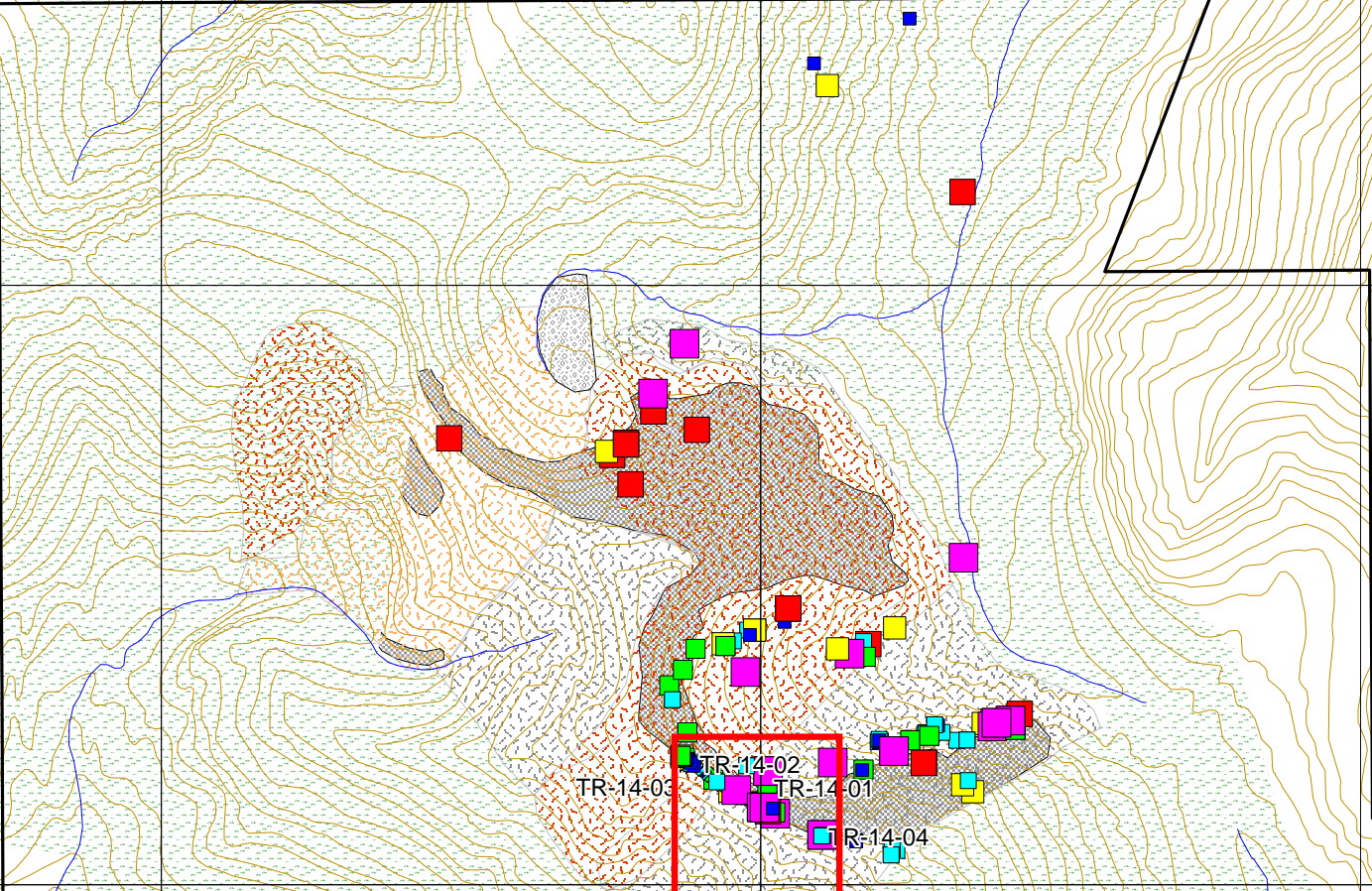
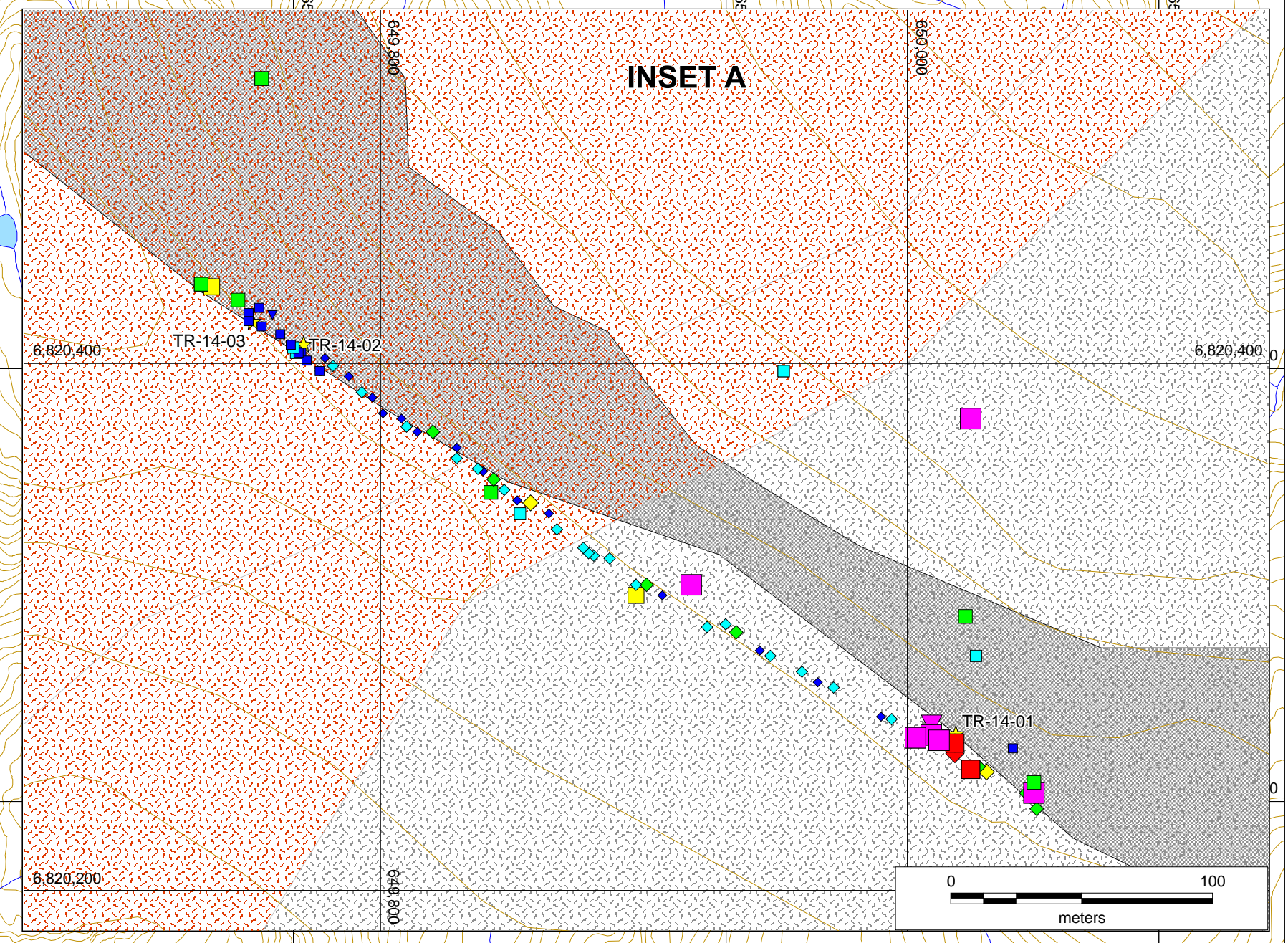
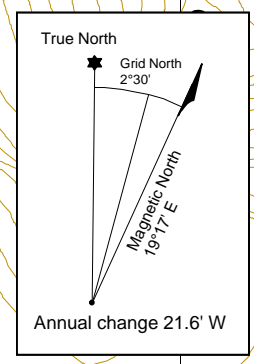
STRATEGIC METALS LTD.
 FIGURE 9
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**MOLYBDENUM ROCK GEOCHEMISTRY
 AND AIR PHOTO INTERPRETATION**
 MELOY PROPERTY

0 1000
meters

UTM ZONE 7, NAD 83, 115G/08 & 09
 FILE: ..2017 DATE: MAY 2018



- Outcrop
- Rusty talus and outcrop
- Grey talus and outcrop
- Tan talus and outcrop
- Grass cover with minor talus
- Quaternary overburden



- Rock Ag (ppm)**
- 50 ≥ 25
 - 20 ≥ 20
 - 10 ≥ 20
 - 5 ≥ 10
 - 2 ≥ 5
 - 0 ≥ 2
- 2017 chip samples Ag (ppm)**
- 50 ≥ 25
 - 20 ≥ 20
 - 10 ≥ 20
 - 5 ≥ 10
 - 2 ≥ 5
 - 0 ≥ 2
- Hand Trench (2014)

STRATEGIC METALS LTD.

FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
**SILVER ROCK GEOCHEMISTRY
AND AIR PHOTO INTERPRETATION**
MELOY PROPERTY

UTM ZONE 7, NAD 83, 115G/08 & 09
FILE: ./2017 DATE: MAY 2018

Main Ridge

The Main Ridge area comprises the arcuate ridge system that surrounds the Main Cirque. The geochemical signature along the Main Ridge is notably enriched in copper, silver, molybdenum and tungsten. Rock samples have returned strongly anomalous values for elements of interest from quartz veins, stockwork veinlets or high-density rusty fractures within Ruby Range suite rocks. Veining associated with grey weathering, potassic altered granodiorite from the Main Ridge has returned values up to 12.15% copper, 0.797 g/t gold, 270 g/t silver, 39,400 ppm molybdenum, 34.6 ppm tungsten, 2140 ppm zinc and 500.5 ppm tin.

Hand trenching and chip sampling conducted on the Main Ridge in 2017 identified strongly mineralized quartz veining within densely fractured and rusty weathering Ruby Range granodiorite. A chip sample taken along a relatively flat lying (006°/19W) 20 to 30 cm thick quartz vein located within TR-14-01, which is heavily mineralized with bornite, chalcopyrite and encrusting malachite, graded 4.47% copper, 0.208 g/t gold and 296 g/t silver over 10 m. A similar vein was discovered in 2017 roughly 100 m lower on the cirque wall; but, in most areas this flat lying vein set is obscured by talus. Highlights from systematic sampling across weathered outcrop along the ridge crest include 1525 ppm copper and 45.5 ppm silver over four metres (TR17-03), and 154.4 ppm molybdenum over four metres (TR17-23).

Main Cirque

The Main Cirque is dominated by distinct areas of rusty weathered and grey weathered granodiorite. Mineralization consists of chalcopyrite, molybdenite, pyrite and bornite, which occur in quartz-sulphide veins and as fracture fillings. Mineralized fractures and veins are often oxidized at surface and, where present, sulphide minerals are usually encapsulated in quartz. Chalcopyrite also appears as minor disseminations in the wallrocks. Bladed wolframite crystals up to 1.5 cm long are hosted in quartz veins, while rosettes of molybdenite are found within fractures. Chalcopyrite ± bornite ± molybdenum rich veins generally strike 150 to 195° and dip shallowly (<30°) and steeply (>65°) to the west. Malachite and azurite are associated with weathered quartz veins, fracture planes, and local diabase dykes. Rock samples at the Main Cirque have returned peak values of greater than 10,000 ppm copper, 1.06 g/t gold, 110 g/t silver, 16,700 ppm molybdenum, 2040 ppm tungsten and greater than 10,000 ppm zinc.

North Cirque

The North Cirque is located approximately 650 m to the north of the Main Cirque. Previous prospecting on the flank of a shared arête between these cirques returned up to 2.76% copper, 480 ppm tin, 2040 ppm tungsten and 2140 ppm zinc, with background values in gold and molybdenum from a silicified diabase dyke. In 2018, seven rock samples were collected from around the North Cirque. The best rock samples, collected from quartz veining along the selvages of mafic diabase dykes, returned 4.21% copper, 0.139 g/t gold, 825 g/t silver, 8510 ppm zinc, 1850 ppm tin and greater than 10,000 ppm arsenic.

Rockslide

The Rockslide occurrence is characterized by a large gossanous zone in the eastern part of the property. Mineralization at Rockslide consists of chalcopyrite and pyrite with varying amounts of molybdenite, bornite and wolframite, found proximal to the contact of the alaskite porphyry stock. Near mineralization, quartz flooding, chlorite and drusy quartz are common. The

northern portion of Rockslide is increasingly molybdenite-rich, with roughly equal amounts copper sulphides to molybdenite. Arsenopyrite and scorodite are found locally along with trace sphalerite and galena. A historical rock sample from this area returned 9840 ppm copper, 1.31 g/t gold, 265 g/t silver, greater than 10,000 ppm arsenic and 2160 ppm zinc.

In 2018, two rock samples were collected near the eastern edge of the property, roughly 3500 m east of the Rockslide occurrence. A sample of coarse grained granodiorite hosting bladed wolframite and minor malachite staining returned 791 ppm copper and 3840 ppm tungsten.

SOIL GEOCHEMISTRY

A reconnaissance-scale stream sediment survey conducted in the 1980s by the GSC identified strongly anomalous results from samples taken from streams draining the Meloy property. Soil geochemical surveys have been intermittently conducted on the property since 1970. Anomalous thresholds and peak values for metals of interest are listed in Table IV.

Table IV – Anomalous Soil Thresholds

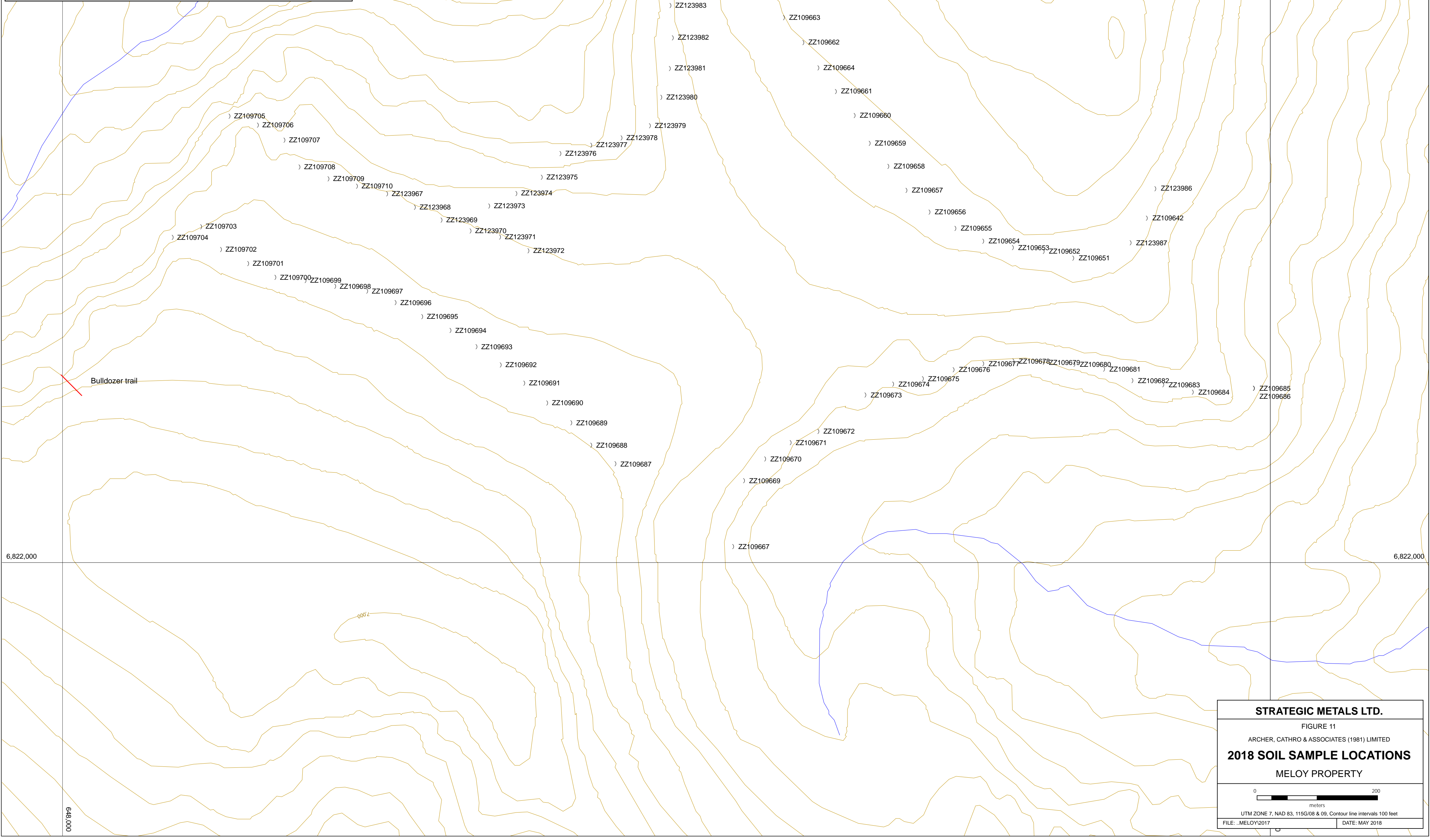
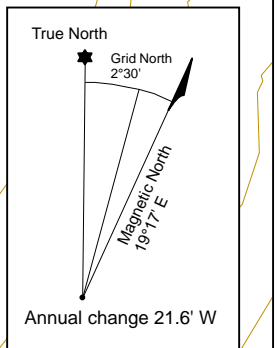
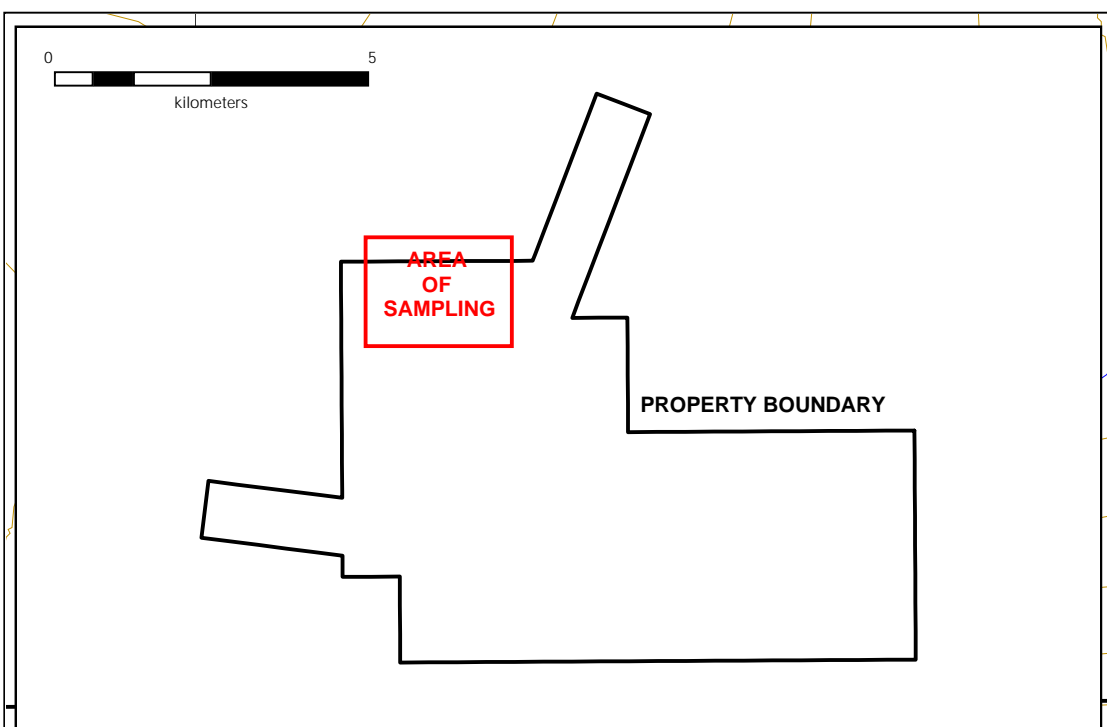
Element	Weak		Moderate		Strong	Peak
Copper (ppm)	>100	≤200	>200	≤500	>500	4520
Gold (ppb)	>20	≤50	>50	≤100	>100	673
Silver (ppm)	>2	≤5	>5	≤10	>10	19
Molybdenum (ppm)	>5	≤10	>10	≤50	>50	595
Tungsten (ppm)	>10	≤20	>20	≤50	>50	356
Tin (ppm)	>10	≤25	>25	≤50	>50	217
Zinc (ppm)	>200	≤500	>500	≤1000	>1000	2090

In 2018, 82 soil samples were collected from the northern part of the Meloy property, near the North Cirque (Figure 11). Thematic results from all work programs for copper are illustrated on Figure 12, while results for gold, molybdenum and silver are located on Figures 13 to 15 respectively. Certificates of Analysis are copied in Appendix IV. Soil development is poor in most areas of the property because the Ruby Range suite weathers into talus fines not soil.

Results from the 2018 program returned up to 680 ppm copper and 1220 ppm zinc, with subdued values for other elements of interest.

Since 2008, soil geochemical surveys have delineated two main copper-in-soil anomalies, one centred on the Main Cirque and the other centred at the Rockslide prospect.

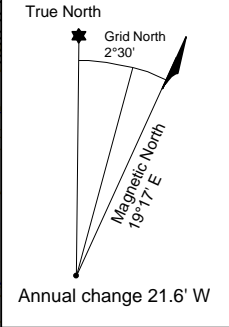
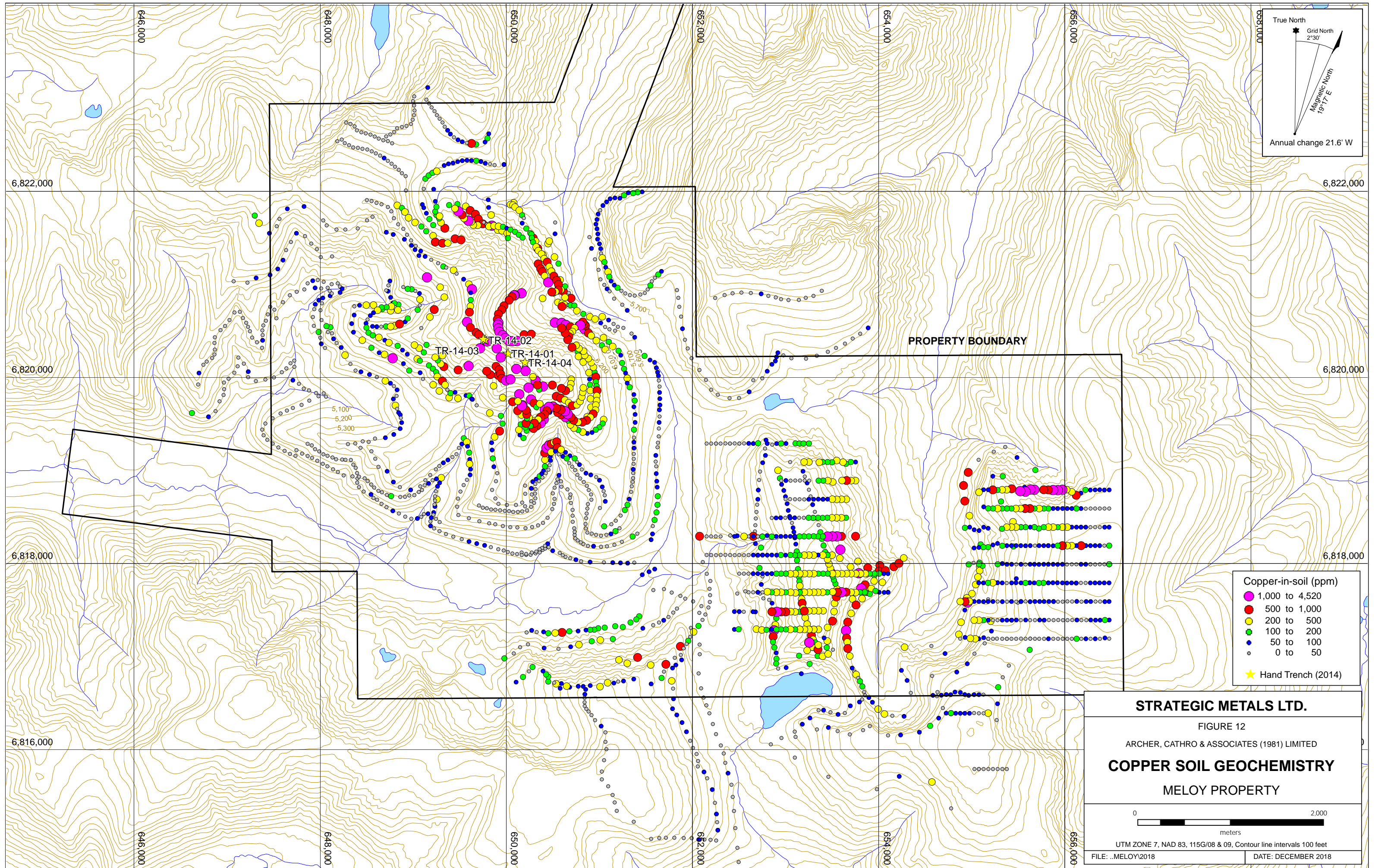
The Main Cirque anomaly is a 3000 m by 3000 m area of elevated copper, gold, silver and molybdenum values, with a strongly anomalous, 1000 m in diameter core. Peak values include 4520 ppm copper, 673 ppb gold, 19 ppm silver, 595 ppm molybdenum, 356 ppm tungsten, 217 ppm tin and 2090 ppm zinc.



STRATEGIC METALS LTD.

FIGURE 11
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
2018 SOIL SAMPLE LOCATIONS
 MELOY PROPERTY

UTM ZONE 7, NAD 83, 115G/08 & 09, Contour line intervals 100 feet
 FILE: ..MELOY\2017 DATE: MAY 2018



PROPERTY BOUNDARY

TR-14-02
 TR-14-01
 TR-14-04
 TR-14-03

- Copper-in-soil (ppm)
- 1,000 to 4,520
 - 500 to 1,000
 - 200 to 500
 - 100 to 200
 - 50 to 100
 - 0 to 50
 - ★ Hand Trench (2014)

STRATEGIC METALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

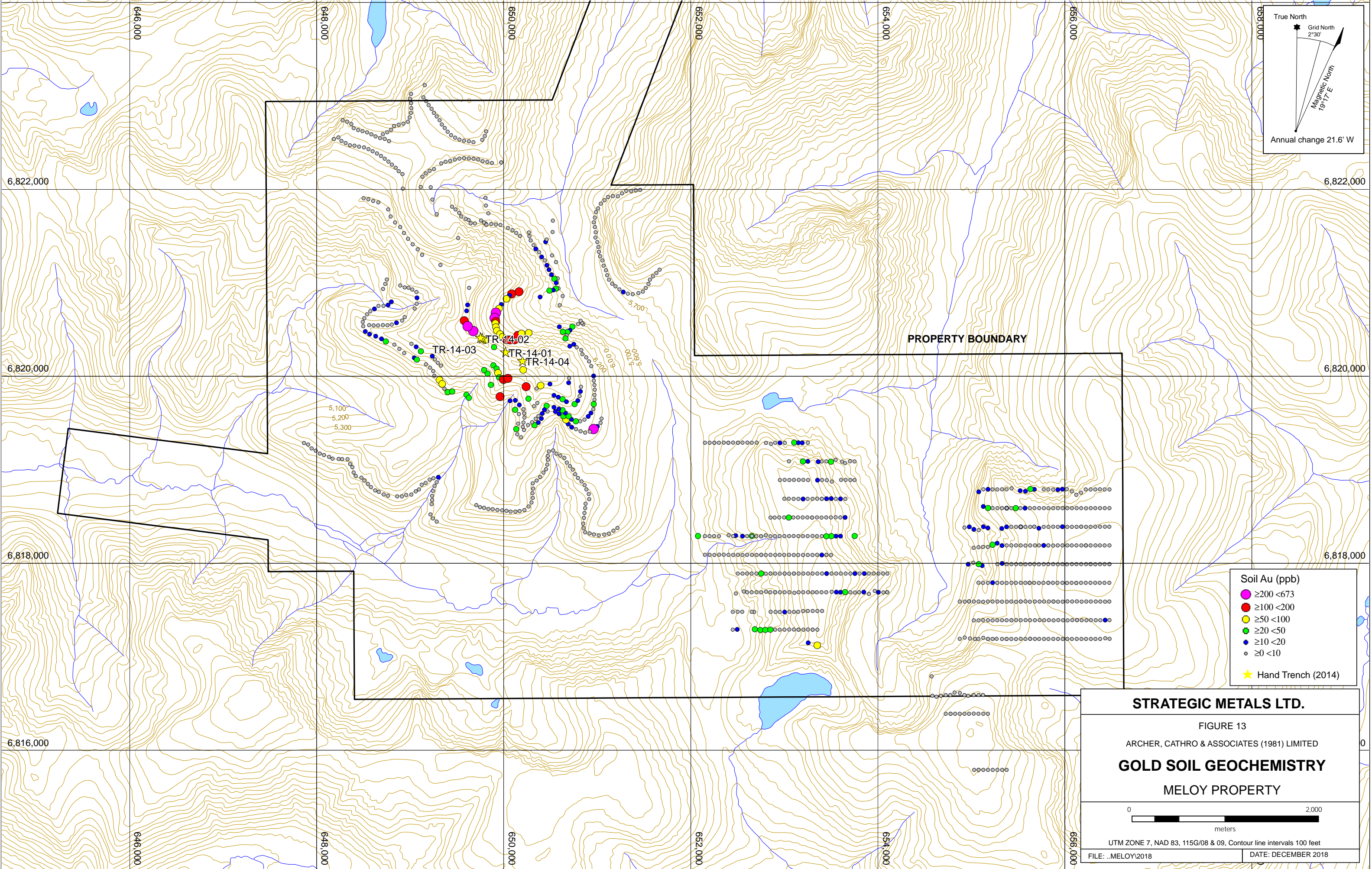
COPPER SOIL GEOCHEMISTRY

MELOY PROPERTY

0 2,000
 meters

UTM ZONE 7, NAD 83, 115G/08 & 09, Contour line intervals 100 feet

FILE: ..MELOY2018 DATE: DECEMBER 2018



Soil Au (ppb)	
●	≥200 <673
●	≥100 <200
●	≥50 <100
●	≥20 <50
●	≥10 <20
○	≥0 <10
★	Hand Trench (2014)

STRATEGIC METALS LTD.

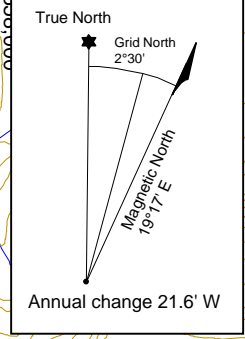
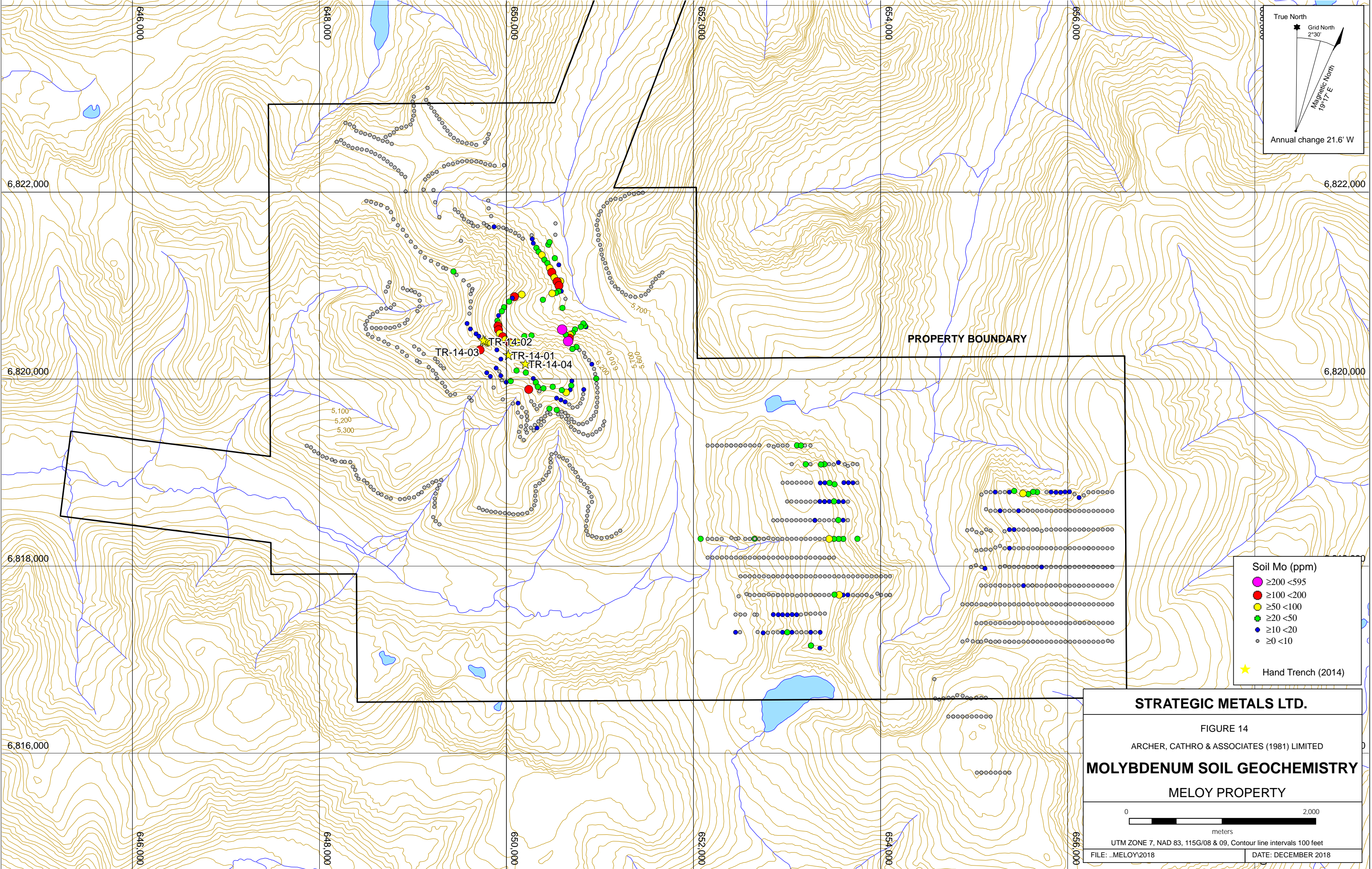
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY
MELOY PROPERTY

0 2,000
meters

UTM ZONE 7, NAD 83, 115G/08 & 09, Contour line intervals 100 feet

FILE: ..MELOY2018	DATE: DECEMBER 2018
-------------------	---------------------



Soil Mo (ppm)

- $\geq 200 < 595$
- $\geq 100 < 200$
- $\geq 50 < 100$
- $\geq 20 < 50$
- $\geq 10 < 20$
- $\geq 0 < 10$

★ Hand Trench (2014)

STRATEGIC METALS LTD.

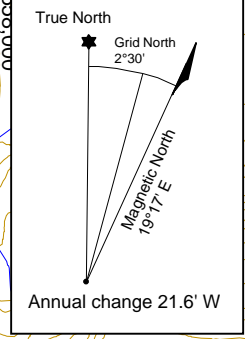
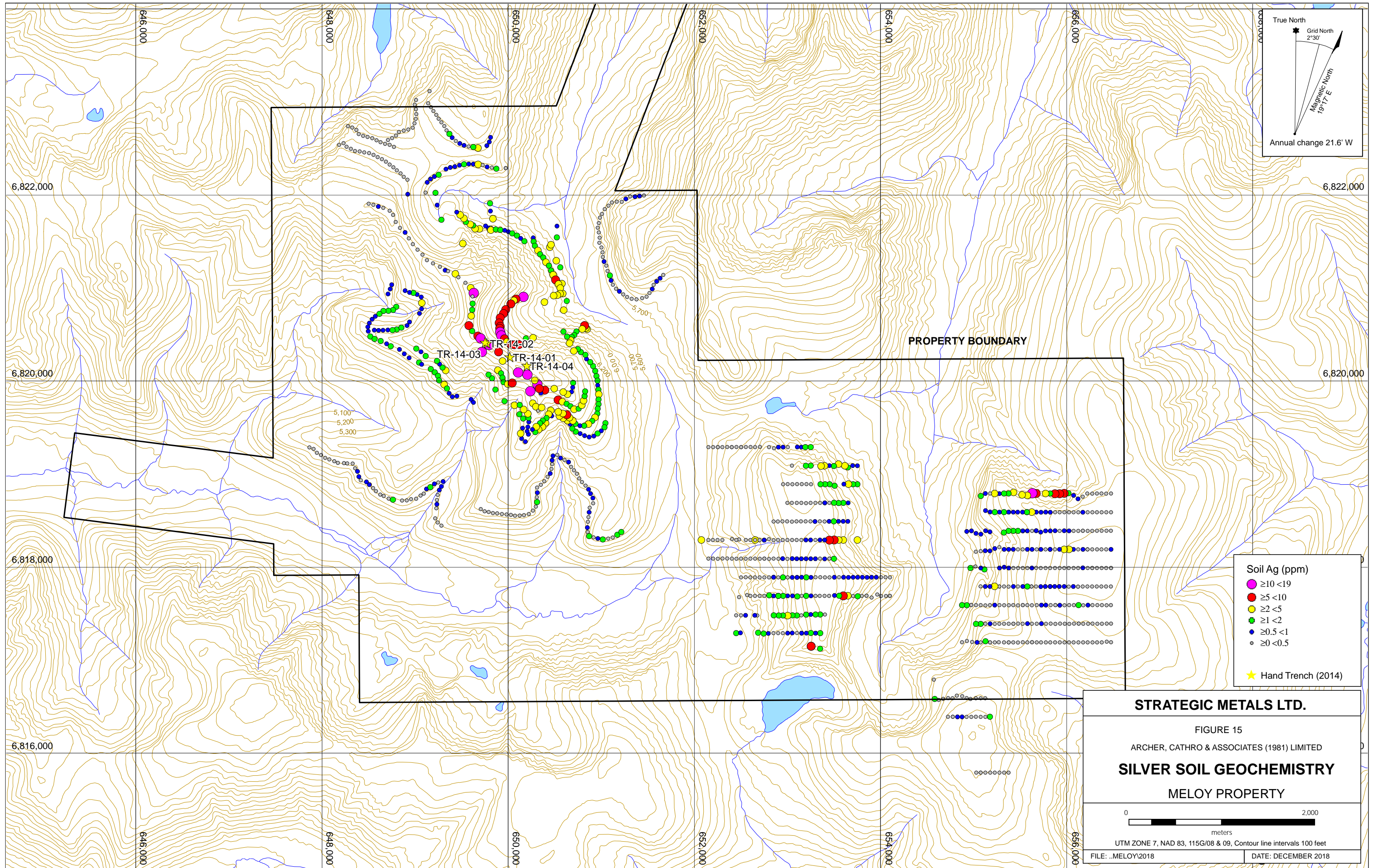
FIGURE 14
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MOLYBDENUM SOIL GEOCHEMISTRY
 MELOY PROPERTY

0 2,000
 meters

UTM ZONE 7, NAD 83, 115G/08 & 09, Contour line intervals 100 feet

FILE: ..MELOY2018 DATE: DECEMBER 2018



Soil Ag (ppm)	
●	≥10 <19
●	≥5 <10
●	≥2 <5
●	≥1 <2
●	≥0.5 <1
○	≥0 <0.5
★	Hand Trench (2014)

STRATEGIC METALS LTD.

FIGURE 15
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER SOIL GEOCHEMISTRY
 MELOY PROPERTY

0 ————— 2,000
 meters

UTM ZONE 7, NAD 83, 115G/08 & 09, Contour line intervals 100 feet

FILE: ..MELOY2018 DATE: DECEMBER 2018

The Rockslide prospect is marked by anomalous copper, silver, bismuth, arsenic, molybdenum, tungsten, zinc and gold values, which cover a 2000 m by 3000 m area. This prospect yielded peak values of 1900 ppm copper, 14.9 ppm silver, 53 ppm bismuth, 451 ppm arsenic, 67.8 ppm molybdenum, 31.3 ppm tungsten, 851 ppm zinc and 55 ppb gold. The Rockslide prospect is divided by glacial deposits within the Talbot Creek valley.

A third copper-in-soil geochemical anomaly was identified in the south-central part of the property by Phelps Dodge in 1970; however, follow up work revealed that this anomaly was the result of minor chalcopyrite, molybdenite and bornite hosted in widely spaced joints and shears within steep rock faces. The host rock was fresh, coarse grained granodiorite (Smith, 1971).

Smaller clusters of anomalous results occur elsewhere on the property. These clusters comprise samples with moderately elevated values for copper, zinc, tungsten and tin. No follow up work has been done in any of these areas.

GEOPHYSICS

In 2010, airborne magnetics and radiometric surveys were contracted to New-Sense Geophysics Ltd. of Markham, Ontario. Interpretation of the data collected was completed by Condor Consulting Inc. of Lakewood, Colorado. The full report from this survey can be found in Smith, 2011.

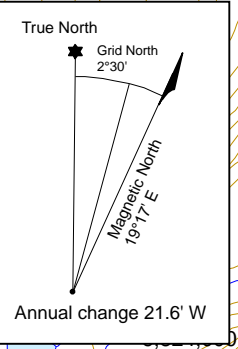
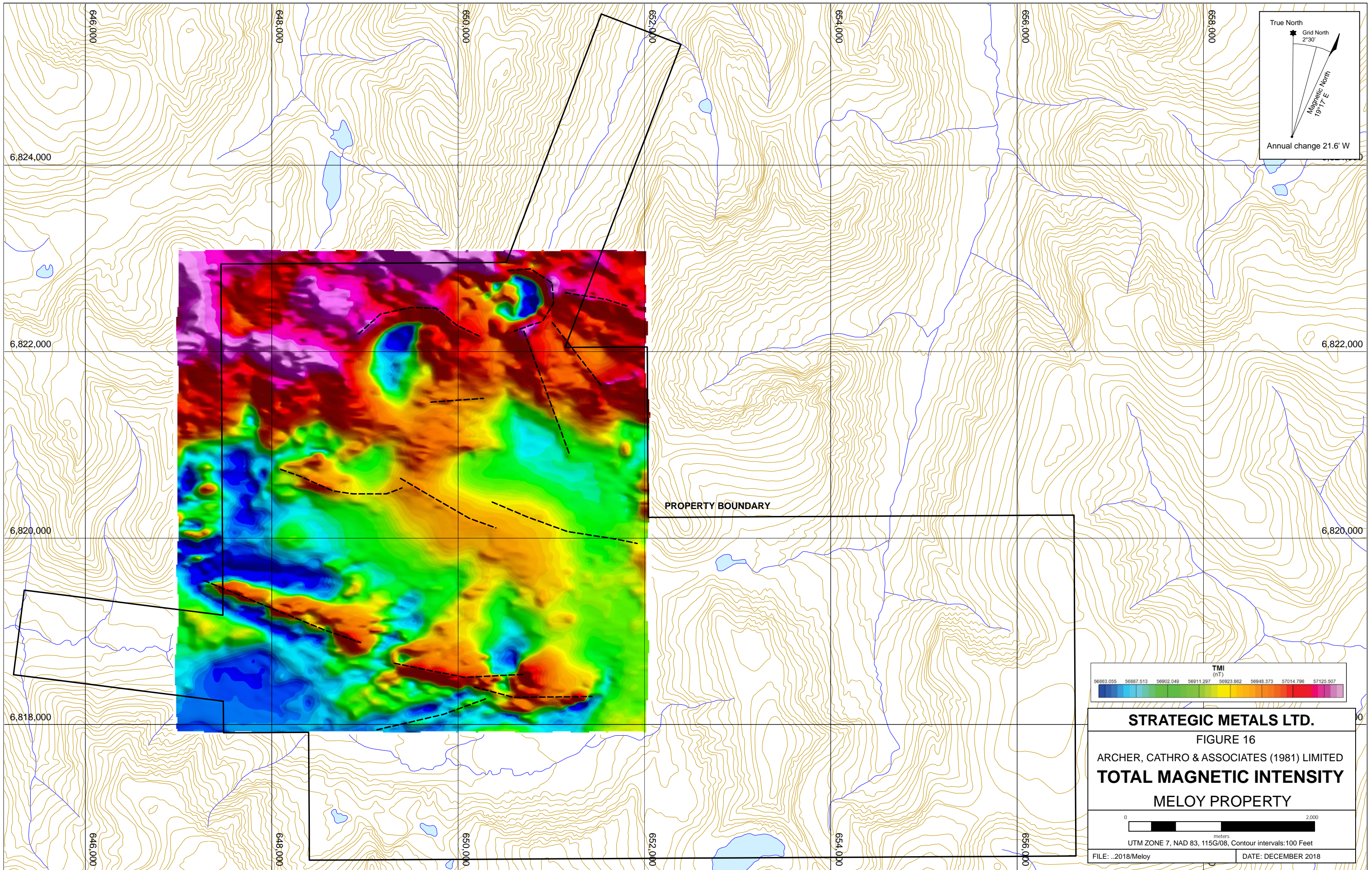
A total of 293 line kilometres were flown over the Meloy property in a north-south direction with east-west tie lines at an average altitude of 39 m with 100 m line spacings and 1 km spaced tie lines (Yakovenko, 2010).

Two circular magnetic lows, within the North Cirque and further north along Alaskite Creek, were distinguished. The magnetic low at the North Cirque is located in an area of unaltered Ruby Range suite granodiorite to tonalite, while the magnetic low along Alaskite Creek is in an area of unaltered granodiorite belonging to the Long Lake suite. Figure 16 illustrates total field magnetics field along with linear magnetic highs interpreted by Condor.

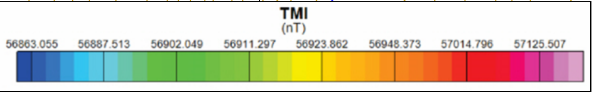
DISCUSSION AND CONCLUSIONS

The Meloy property hosts large, multi-element geochemical anomalies believed to be related to atypical porphyry-style mineralization. Strongly anomalous rock and soil values for copper, gold, silver, molybdenum, tungsten, tin and zinc have been obtained from samples taken across the property. Mineralization is best developed within fractures, quartz veins and mafic dykes cutting rusty and grey weathering rocks of the Ruby Range suite.

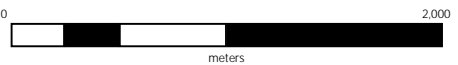
Mineralization is closely associated with northerly-trending, steeply dipping linears, which are apparent along the Main Ridge. The extent and average grade of mineralization is difficult to determine because surficial rocks are strongly weathered and most of the area is covered by thick talus. Metal leaching may have occurred in highly fractured and weathered areas, because the ridge tops are believed to have been nunatoks during the latest glacial event.



PROPERTY BOUNDARY



STRATEGIC METALS LTD.
 FIGURE 16
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TOTAL MAGNETIC INTENSITY
 MELOY PROPERTY



UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2018/Meloy DATE: DECEMBER 2018

Geological mapping in 2018 covered two geophysical anomalies in the northern part of the property, at the North Cirque and along Alaskite Creek. Mapping confirmed the widespread presence of unaltered Ruby Range suite granodiorite at the North Cirque and Jurassic aged granite to quartz monzonite along Alaskite Creek. These unaltered units do not explain the magnetic lows.

Prospecting in 2018 identified high-grade copper, silver, tin and arsenic values associated with quartz veining proximal and distal to diabase dykes cutting Ruby Range granodiorite. These dykes are present in the North Cirque and Main Cirque, and follow the dominant northeasterly trending fracture orientation.

Future work on the Meloy property is warranted and should consist of the following:

- 1) Geological mapping at the Rockslide area and follow up mapping on various parts of the property to further constrain intrusion phases and identify areas of intense fracturing and strong alteration.
- 2) Induced Polarization surveys in the Main Ridge and Rockslide areas to assess depth of weathering, sulphide distribution and alteration zonation.
- 3) Prospecting should follow up unexplained strongly anomalous soil geochemical values;
- 4) Soil geochemical sampling to expand coverage outside of the main anomaly; and,
- 5) After evaluating results of the surface program, diamond drilling should be done to test mineralization at depth in the Main Ridge and Main Cirque areas.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc., GIT

REFERENCES

- Burrell, H.
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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 2016 with a B.Sc in Earth and Environmental Sciences.
2. From 2015 to present, I have been actively engaged in mineral exploration in the Yukon Territory and British Columbia.
3. I am registered and active as a geologist in training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
4. I have interpreted all data resulting from work described in this report.



K. Willms, B.Sc., GIT.

APPENDIX II
STATEMENT OF EXPENDITURES

Statment of Expenditures
Meloy Property
January 23, 2019

Labour

Employee	Job Description	Hours	Time Period	Rate/hr	Total
Andrew Carne	Engineer	16	April 3 - December 31	\$ 94.00	\$ 1,504.00
Doug Eaton	Sr. Geologist	16	April 3 - December 31	\$ 120.00	\$ 1,920.00
Dillon Blackjack	Field Labour	4	April 3 - December 31	\$ 49.00	\$ 196.00
Heather Burrell	Sr. Geologist	48	April 3 - December 31	\$ 111.00	\$ 5,328.00
Kelson Willms	Geologist	80	April 3 - December 31	\$ 71.00	\$ 5,680.00
Liz Smith	Logistics & Office & Field Labour	30	April 3 - December 31	\$ 83.00	\$ 2,490.00
Lorna Corbett	Logistics & Office	7	April 3 - December 31	\$ 83.00	\$ 581.00
Meggie Laverge	Field Labour	80	April 3 - December 31	\$ 55.00	\$ 4,400.00
Scott Newman	Office & Mapping	18	April 3 - December 31	\$ 69.00	\$ 1,242.00
Shawn Slipetz	Expediting	22	April 3 - December 31	\$ 69.00	\$ 1,518.00
Steve Israel	Sr. Geologist	51	April 3 - December 31	\$ 111.00	\$ 5,661.00
Tom Lacey	Field Labour	72	April 3 - December 31	\$ 53.00	\$ 3,816.00
Wayne Schneider	Logistics & Support	10	April 3 - December 31	\$ 98.00	\$ 980.00
					\$ 33,812.00

Expenses

Field room and board	21 Mandays	\$ 100.00 /per day	\$ 2,100.00
Whitehorse room and board	10 Mandays	\$ 180.00 /per day	\$ 1,800.00
Capital Helicopters, as attached			\$ 10,137.60
AC Provided Jet Fuel - 410L @ 1.40/L			\$ 572.33
ALS Chemex, as attached			\$ 2,759.84
			<u>\$ 17,369.77</u>

Total 2018 expenditures \$ 51,181.77

Cost per sample \$ 588.30

APPENDIX III
ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions

Property: Meloy

Sample Number: W591609 UTM: 649745 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6821805 mN

Comments: Quartz breccia vein within 4 m diabase dyke. Hosts pervasive malachite and disseminated pyrite and minor trace bornite. Talus float directly below dyke.

Sample Number: W591610 UTM: 649641 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6821579 mN

Comments: 40 cm quartz vein along diabase dyke and coarse grained granite contact. Hosts blebby molybdenum, chalcopyrite, pyrite, malachite and trace bornite (?) within quartz veins. No mineralization disseminated within dyke or granitoid. Indication of another similar sized vein on the other side of the 2 m dyke, but covered by snowfall.

Sample Number: W591611 UTM: 649640 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6821639 mN

Comments: 6 - 10 cm pinching and swelling polymetallic quartz vein hosting moly, pyrite, chalcopyrite, malachite to azurite and trace bornite (?) within tan altered (potassic) coarse grained granite. Vein feeds from nearby diabase dyke.

Sample Number: W591612 UTM: 650673 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6822311 mN

Comments: Unaltered to trace pink (potassic?) altered, medium to coarse grained granite (new phase of alaskite?). Hosts disseminated pyrite and patchy malachite throughout, with chlorite, diorite and dyke relicts (zenoliths) and chlorite stringers within. Stringers run parallel to orientation.

Sample Number: W591613 UTM: 650496 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6822889 mN

Comments: Unaltered granodiorite with stringers of epidote running throughout.

Sample Number: W591614 UTM: 650222 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6822666 mN

Comments: 10 cm vuggy crystalline quartz-carbonate vein with patchy green quartz (fluorite?) and white to pink carbonate. Vein hosts dark oxidized patches partially weathered to scorodite. Quartz carbonate veining within mafic dyke with aplite stringers throughout.

Rock Sample Descriptions

Property: Meloy

Sample Number: W591615 UTM: 650177 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6822740 mN

Comments: Massive coarse orthoclase and quartz. Unaltered

Sample Number: W591616 UTM: 656255 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6818882 mN

Comments: Unaltered fine grained tonalite (?) (fine grained quartz, plagioclase, biotite) with coarse quartz eyes and plagioclase within. Unaltered.

Sample Number: W591617 UTM: 656255 mE Nad83, Zone 7

Elevation: 6969 m UTM: 6818882 mN

Comments: Quartz vein fragments within tonalite (?) (Same as W591616). Found at toe of snow pack. Vein hosts bladed black mineral (wolframite?) and malachite.

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
 2103 Dollarton Hwy
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Page: 1
Total # Pages: 4 (A - D)
Plus Appendix Pages
Finalized Date: 10- AUG- 2018
Account: MTT

CERTIFICATE WH18177117

Project: MELOY

This report is for 82 Soil samples submitted to our lab in Whitehorse, YT, Canada on 23-JUL- 2018.

The following have access to data associated with this certificate:

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

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

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

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177117

Sample Description	Method Analyte Units LOD	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ109642		0.31	0.002	0.64	7.09	10.6	640	2.47	1.48	1.94	1.58	63.0	12.2	64	5.91	110.0
ZZ109651		0.39	0.003	2.11	7.47	9.6	610	2.94	2.28	1.50	1.80	59.7	11.1	59	6.13	166.0
ZZ109652		0.34	<0.001	1.86	9.44	4.6	560	5.35	3.25	1.34	1.38	34.7	7.5	24	11.10	680
ZZ109653		0.36	0.002	0.38	8.01	7.6	730	2.30	0.48	2.30	0.73	54.9	13.1	63	4.79	40.5
ZZ109654		0.38	<0.001	0.59	8.35	5.0	600	3.05	0.56	1.83	0.82	47.1	8.6	33	6.67	56.1
ZZ109655		0.30	<0.001	0.97	8.31	9.6	810	3.28	1.25	1.65	0.96	54.6	15.9	53	9.30	74.4
ZZ109656		0.36	<0.001	0.46	8.03	6.4	880	2.68	0.67	2.54	0.65	62.6	12.3	50	5.55	39.6
ZZ109657		0.40	<0.001	0.98	7.95	6.1	770	2.94	1.55	2.50	1.19	54.5	12.3	51	5.84	50.2
ZZ109658		0.37	<0.001	1.00	8.27	9.1	900	3.52	1.19	2.32	0.97	62.1	16.5	57	6.75	71.2
ZZ109659		0.32	<0.001	0.26	7.14	8.9	730	2.23	0.60	2.40	0.31	60.5	12.3	54	4.56	39.0
ZZ109660		0.28	<0.001	0.18	6.82	14.9	700	2.15	0.81	1.99	0.47	53.5	13.7	64	5.41	49.6
ZZ109661		0.41	0.003	0.41	8.26	6.9	840	3.79	0.67	2.97	1.06	81.9	14.7	59	5.79	43.1
ZZ109662		0.35	0.001	0.28	7.70	7.1	860	2.97	0.62	2.66	0.40	66.3	15.2	55	5.31	41.5
ZZ109663		0.33	0.001	0.17	7.28	10.0	760	2.68	0.55	2.24	0.35	64.2	13.6	65	4.98	39.1
ZZ109664		0.29	0.002	0.29	6.46	11.2	540	2.12	1.16	1.59	0.77	55.1	10.8	60	4.54	38.1
ZZ109665		0.40	<0.001	0.28	7.53	8.4	790	2.92	0.40	2.99	0.46	84.2	16.2	69	2.77	35.4
ZZ109666		0.43	<0.001	0.39	7.86	9.5	790	3.93	0.50	2.58	0.53	65.3	18.1	64	4.68	47.1
ZZ109667		0.41	<0.001	0.29	7.72	5.7	760	4.07	0.41	3.12	0.41	67.4	17.0	76	6.80	37.2
ZZ109668		0.41	<0.001	0.21	7.99	3.2	660	4.95	0.40	3.67	0.56	56.0	15.4	24	4.42	50.9
ZZ109669		0.30	<0.001	0.64	7.69	23.1	700	6.19	2.44	1.51	2.27	114.0	17.1	66	17.10	113.0
ZZ109670		0.35	<0.001	0.79	8.26	11.1	740	7.21	2.17	1.65	5.64	125.5	11.4	39	21.0	115.0
ZZ109671		0.35	<0.001	0.77	8.38	14.0	690	5.66	1.35	1.54	4.34	103.0	14.2	56	11.40	106.0
ZZ109672		0.32	0.001	1.80	8.69	16.0	790	6.45	3.84	1.63	5.27	85.5	15.9	48	18.05	219
ZZ109673		0.38	<0.001	0.84	8.82	9.5	760	5.63	1.29	2.07	3.01	61.9	13.7	44	13.00	98.0
ZZ109674		0.32	<0.001	0.60	8.55	11.9	720	4.50	1.00	1.77	2.06	58.4	13.8	57	9.24	69.6
ZZ109675		0.35	<0.001	0.78	8.04	8.3	660	3.36	0.94	1.90	2.46	55.4	11.2	49	6.84	60.2
ZZ109676		0.31	0.002	0.75	7.93	11.7	690	3.09	0.98	2.14	2.07	61.6	14.0	48	6.62	81.3
ZZ109677		0.35	<0.001	1.05	8.25	6.6	710	3.91	1.26	2.05	2.47	53.3	9.6	37	5.62	83.8
ZZ109678		0.30	<0.001	0.61	8.09	10.1	660	5.19	1.43	1.76	2.06	61.4	12.2	41	7.23	60.0
ZZ109679		0.24	0.001	0.51	8.45	6.2	580	3.14	1.17	2.45	0.81	40.4	12.2	35	5.04	60.0
ZZ109680		0.26	<0.001	3.01	9.10	6.6	570	13.35	4.07	2.13	3.96	93.3	12.6	32	8.35	179.0
ZZ109681		0.24	<0.001	0.27	8.73	9.4	510	3.24	0.87	2.93	1.08	63.7	16.6	47	4.20	50.4
ZZ109682		0.27	<0.001	0.70	8.73	9.4	480	4.02	1.47	2.55	2.68	80.2	16.8	49	5.04	51.7
ZZ109683		0.29	0.003	0.17	7.65	6.8	420	2.51	0.92	3.19	0.77	78.6	18.2	46	3.95	38.6
ZZ109684		0.24	<0.001	1.36	8.09	3.1	400	1.67	0.51	4.22	0.56	43.5	20.0	31	1.47	25.8
ZZ109685		0.34	<0.001	0.25	8.28	5.6	390	3.80	0.89	1.42	1.78	110.0	6.6	34	13.05	50.3
ZZ109686		0.43	<0.001	0.33	7.79	7.3	270	8.11	3.00	1.26	2.70	490	6.7	21	12.90	58.2
ZZ109687		0.30	0.005	0.37	7.96	9.3	400	5.72	1.72	1.75	0.83	180.5	9.3	35	8.18	42.6
ZZ109688		0.43	<0.001	0.26	7.83	8.1	480	5.55	1.07	1.63	0.70	205	9.2	39	11.85	39.2
ZZ109689		0.27	<0.001	0.22	8.64	11.1	560	4.63	1.22	1.86	0.53	119.5	13.8	42	10.25	46.5



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177117

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Units		%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOD		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
ZZ109642		4.52	21.8	0.05	2.5	0.109	1.45	30.2	25.0	1.15	881	3.01	2.08	13.8	26.8	1150
ZZ109651		3.97	22.3	0.06	2.4	0.406	1.73	27.8	28.1	0.98	1100	1.51	2.57	13.2	27.4	820
ZZ109652		2.79	30.7	<0.05	1.9	0.180	1.93	18.1	42.3	0.67	738	0.74	2.72	10.7	13.2	570
ZZ109653		4.17	20.4	0.05	1.8	0.096	1.65	23.4	33.8	1.25	877	1.06	2.45	12.2	28.4	870
ZZ109654		3.56	25.3	0.07	1.8	0.136	1.99	22.5	36.9	0.83	691	1.12	2.71	12.2	16.1	620
ZZ109655		5.00	23.6	0.06	1.7	0.145	1.78	26.2	50.0	1.24	1220	1.34	1.79	10.3	27.5	1520
ZZ109656		4.49	23.0	0.08	1.9	0.107	2.03	29.0	38.0	1.12	923	0.93	2.45	13.7	22.2	880
ZZ109657		4.58	21.5	0.07	1.9	0.087	1.95	24.5	40.2	1.15	967	0.88	2.43	12.8	23.0	1150
ZZ109658		5.32	23.3	0.07	1.9	0.102	2.30	28.4	42.5	1.17	1330	1.37	2.04	11.8	28.8	1370
ZZ109659		4.93	20.5	0.07	1.9	0.089	1.84	28.7	28.1	1.15	788	1.92	2.00	13.5	24.6	1230
ZZ109660		5.35	20.2	0.07	2.4	0.098	1.54	23.6	27.4	1.20	913	3.05	1.80	13.2	31.2	1570
ZZ109661		5.74	23.5	0.08	1.8	0.112	2.61	39.8	39.6	1.04	1200	0.99	2.17	16.4	27.4	1300
ZZ109662		5.47	21.3	0.10	2.1	0.086	2.40	30.9	37.9	1.12	1050	1.31	2.07	17.0	26.0	1090
ZZ109663		5.23	20.8	0.09	1.9	0.080	1.99	29.4	37.6	1.16	893	1.96	1.86	12.7	28.2	1210
ZZ109664		3.72	18.90	0.06	2.2	0.087	1.56	27.0	22.5	0.97	677	2.27	1.96	12.2	26.6	1670
ZZ109665		5.86	19.55	0.09	2.0	0.083	2.47	38.4	24.8	1.09	1150	1.11	2.13	13.4	30.1	1290
ZZ109666		5.56	21.0	0.06	1.9	0.084	2.57	31.5	36.2	1.13	1320	1.44	2.03	12.5	33.9	1260
ZZ109667		5.41	21.0	0.06	1.6	0.072	2.48	31.5	48.2	1.28	1320	0.92	2.25	14.9	39.1	1190
ZZ109668		5.02	21.7	0.07	1.5	0.060	2.67	26.4	25.7	0.94	1670	0.76	2.64	10.8	15.9	1240
ZZ109669		5.59	24.9	0.11	2.9	0.294	1.84	42.5	55.1	1.39	1440	4.26	1.89	30.0	38.2	1080
ZZ109670		4.77	26.9	0.14	2.5	0.303	1.93	59.2	58.0	1.10	1300	1.93	2.40	23.2	21.2	960
ZZ109671		4.75	26.0	0.10	2.2	0.315	1.80	43.3	51.4	1.22	1280	2.53	2.21	19.9	33.3	1290
ZZ109672		5.33	26.9	0.10	1.9	0.935	1.84	35.9	69.4	1.30	1560	2.38	2.01	15.6	29.8	1420
ZZ109673		4.42	23.5	0.09	1.6	0.168	1.86	28.2	62.1	1.17	1110	1.81	2.38	14.4	27.5	1060
ZZ109674		4.82	21.7	0.09	1.8	0.129	1.69	24.7	57.8	1.25	1040	1.62	2.10	13.3	30.0	1170
ZZ109675		4.24	20.8	0.08	1.8	0.146	1.75	27.9	43.4	1.02	926	1.21	2.19	12.0	21.2	850
ZZ109676		4.08	20.1	0.09	1.9	0.113	1.71	28.8	42.2	1.15	917	1.79	2.26	11.9	27.3	1180
ZZ109677		3.29	20.7	0.09	1.7	0.129	2.04	24.9	35.8	0.85	807	0.94	2.60	12.0	18.1	790
ZZ109678		3.64	21.8	0.08	1.5	0.160	1.83	28.6	49.0	0.98	1020	1.46	2.29	12.4	24.4	960
ZZ109679		3.50	21.3	0.07	1.5	0.082	1.56	19.5	32.3	1.13	771	1.32	2.44	8.9	19.0	940
ZZ109680		4.30	26.1	0.12	2.3	0.331	1.69	46.2	79.9	1.08	1200	1.41	2.68	14.4	18.7	860
ZZ109681		4.66	23.2	0.09	2.6	0.138	1.51	26.4	22.1	1.41	865	1.64	2.47	18.0	28.3	860
ZZ109682		4.65	23.4	0.13	2.2	0.190	1.48	34.0	20.7	1.38	1040	1.57	2.36	17.1	28.8	810
ZZ109683		5.51	21.2	0.11	4.7	0.159	1.17	34.1	15.8	1.58	877	1.84	2.39	22.5	24.4	850
ZZ109684		5.27	21.7	0.08	2.2	0.085	0.99	19.7	12.0	1.77	660	1.02	2.59	8.7	21.0	800
ZZ109685		2.81	23.9	0.14	4.2	0.208	2.71	45.8	21.1	0.63	659	1.09	2.10	35.5	16.9	560
ZZ109686		4.89	32.8	0.47	7.6	0.410	2.51	224	33.2	0.52	1300	3.69	2.96	79.9	11.1	540
ZZ109687		4.45	25.1	0.20	4.9	0.250	2.01	81.6	30.6	0.84	1270	2.70	2.77	35.7	17.7	710
ZZ109688		4.68	26.8	0.23	6.1	0.270	1.87	93.0	45.8	0.83	873	2.39	2.79	78.9	20.0	740
ZZ109689		5.04	26.2	0.16	3.1	0.205	1.74	52.3	48.0	1.14	1000	2.21	2.36	36.6	23.8	1130



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
ZZ109642		161.5	74.4	<0.002	0.07	1.38	14.3	<1	7.7	344	0.92	0.06	11.70	0.503	0.63	5.6
ZZ109651		60.7	81.1	<0.002	0.05	0.92	12.1	1	21.7	257	0.92	0.07	17.80	0.420	0.70	5.2
ZZ109652		65.3	125.5	<0.002	0.03	0.55	7.4	<1	12.5	313	0.69	0.08	14.00	0.269	1.12	7.6
ZZ109653		25.4	78.1	<0.002	0.03	0.71	14.5	<1	4.8	380	0.78	<0.05	10.50	0.503	0.62	3.6
ZZ109654		27.2	98.8	<0.002	0.03	0.52	9.8	1	6.4	347	0.77	0.05	13.10	0.381	0.78	4.1
ZZ109655		40.4	105.0	<0.002	0.07	0.82	14.0	1	9.2	362	0.63	0.06	11.05	0.453	0.99	5.7
ZZ109656		29.3	92.2	<0.002	0.03	0.58	13.8	1	8.6	517	0.90	<0.05	9.87	0.506	0.75	3.8
ZZ109657		84.0	91.5	<0.002	0.02	0.64	14.0	1	8.4	500	0.78	<0.05	7.76	0.518	0.79	4.4
ZZ109658		57.6	106.5	<0.002	0.05	0.81	16.0	<1	7.9	552	0.77	0.07	9.77	0.509	0.80	4.8
ZZ109659		17.5	83.1	<0.002	0.08	0.95	13.9	1	4.6	543	0.87	0.05	8.03	0.522	0.60	3.2
ZZ109660		20.3	77.6	<0.002	0.09	1.56	14.7	1	4.5	404	0.87	0.06	8.23	0.549	0.60	3.3
ZZ109661		23.7	116.5	<0.002	0.01	0.52	15.9	<1	5.5	654	1.10	0.05	12.45	0.573	0.74	4.5
ZZ109662		22.3	103.0	<0.002	0.04	0.70	15.6	1	4.1	610	1.21	<0.05	9.41	0.560	0.66	4.0
ZZ109663		19.7	89.8	<0.002	0.06	1.08	15.2	1	3.2	500	0.81	<0.05	8.37	0.547	0.62	3.3
ZZ109664		44.5	70.5	<0.002	0.10	1.19	12.5	1	3.6	265	0.76	0.05	12.15	0.408	0.57	4.5
ZZ109665		19.8	95.3	<0.002	0.02	0.74	15.3	<1	3.3	693	0.95	<0.05	16.40	0.574	0.52	5.2
ZZ109666		21.5	107.5	<0.002	0.05	0.99	17.4	1	2.8	718	0.82	<0.05	9.23	0.500	0.62	3.8
ZZ109667		20.3	107.5	<0.002	0.02	0.77	16.8	1	2.8	748	0.96	<0.05	8.19	0.591	0.70	3.4
ZZ109668		23.4	102.0	<0.002	0.02	0.73	12.4	<1	2.5	1230	0.79	0.05	10.10	0.403	0.56	41.3
ZZ109669		155.5	103.0	<0.002	0.07	1.38	13.5	<1	14.7	271	1.71	0.10	20.6	0.460	1.09	10.1
ZZ109670		176.0	123.5	<0.002	0.04	0.69	10.6	<1	23.7	309	1.27	0.07	18.00	0.438	1.44	8.7
ZZ109671		180.0	100.0	<0.002	0.05	1.15	12.9	1	17.5	271	1.15	0.08	15.55	0.437	1.11	8.5
ZZ109672		265	116.5	<0.002	0.06	0.93	13.0	<1	21.6	311	0.94	0.09	17.25	0.472	1.53	7.2
ZZ109673		133.0	103.5	<0.002	0.05	0.65	12.4	1	17.2	431	0.79	0.07	12.70	0.445	0.99	4.7
ZZ109674		91.5	91.9	<0.002	0.06	0.80	13.5	1	10.0	355	0.70	0.06	14.25	0.469	0.83	5.3
ZZ109675		65.7	87.3	<0.002	0.04	0.60	11.4	<1	9.3	377	0.71	0.05	12.75	0.434	0.66	4.1
ZZ109676		59.0	79.5	<0.002	0.05	0.73	12.3	<1	6.8	421	0.67	0.08	10.05	0.423	0.66	5.2
ZZ109677		95.2	90.8	<0.002	0.03	0.50	10.0	<1	8.4	407	0.74	0.05	18.15	0.366	0.75	4.9
ZZ109678		75.9	91.1	<0.002	0.04	0.66	10.5	1	7.9	349	0.66	0.05	13.00	0.357	0.74	6.3
ZZ109679		81.8	68.3	<0.002	0.06	0.51	10.7	1	5.4	528	0.52	0.05	8.41	0.382	0.54	4.8
ZZ109680		265	71.0	<0.002	0.04	0.49	10.6	1	14.5	467	0.79	0.06	14.40	0.426	0.64	13.0
ZZ109681		32.0	52.4	<0.002	0.05	0.70	13.5	1	5.9	603	0.89	0.06	12.25	0.491	0.41	4.9
ZZ109682		60.0	54.8	<0.002	0.05	0.72	13.1	<1	15.8	502	0.90	0.06	13.55	0.468	0.47	5.2
ZZ109683		24.2	42.8	<0.002	0.06	0.53	14.4	1	8.1	625	1.43	<0.05	13.45	0.586	0.38	4.8
ZZ109684		9.8	23.2	<0.002	0.03	0.60	15.7	<1	3.0	943	0.46	<0.05	4.32	0.602	0.18	1.7
ZZ109685		28.6	105.0	<0.002	0.02	0.40	7.3	1	14.9	163.0	1.81	<0.05	22.6	0.260	0.94	12.8
ZZ109686		88.1	124.0	0.002	0.02	0.42	7.3	<1	43.6	179.0	4.41	<0.05	46.5	0.377	1.30	21.8
ZZ109687		83.4	96.3	<0.002	0.05	0.52	9.4	1	22.6	310	2.02	<0.05	22.2	0.398	0.93	7.6
ZZ109688		38.7	108.0	<0.002	0.02	0.53	10.7	<1	13.7	239	4.69	0.06	36.6	0.449	0.95	16.0
ZZ109689		35.7	100.5	<0.002	0.06	0.65	12.0	1	9.8	338	1.94	0.07	23.0	0.474	0.87	9.0



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Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
ZZ109642		138	1.8	18.6	394	73.9
ZZ109651		112	1.4	15.7	516	67.8
ZZ109652		61	1.3	8.7	1220	44.4
ZZ109653		122	0.8	15.1	166	52.7
ZZ109654		87	0.8	11.9	202	47.7
ZZ109655		130	1.2	14.1	254	48.3
ZZ109656		131	1.1	18.9	160	46.5
ZZ109657		140	1.1	18.0	251	49.3
ZZ109658		170	1.3	19.0	233	51.6
ZZ109659		166	1.0	19.4	136	56.7
ZZ109660		169	2.0	19.5	158	74.3
ZZ109661		188	4.5	25.5	210	43.6
ZZ109662		178	1.2	25.1	141	56.2
ZZ109663		178	1.8	19.4	130	57.3
ZZ109664		115	1.4	15.8	151	66.1
ZZ109665		230	1.4	27.4	127	53.7
ZZ109666		193	1.2	22.5	168	51.9
ZZ109667		184	3.0	25.0	148	41.5
ZZ109668		184	1.0	22.8	122	30.8
ZZ109669		135	5.9	53.0	653	80.8
ZZ109670		92	3.5	49.0	967	55.1
ZZ109671		111	2.9	43.3	625	64.1
ZZ109672		125	12.4	32.2	1220	53.0
ZZ109673		108	2.2	17.7	515	49.8
ZZ109674		122	1.9	16.5	331	56.8
ZZ109675		113	4.5	14.4	453	54.0
ZZ109676		105	1.1	17.7	324	62.2
ZZ109677		86	1.1	16.1	304	49.7
ZZ109678		88	1.5	16.8	343	49.8
ZZ109679		91	0.7	14.1	252	50.6
ZZ109680		108	3.1	27.2	723	65.6
ZZ109681		129	1.5	38.2	249	76.6
ZZ109682		129	1.5	34.8	631	65.9
ZZ109683		160	1.2	29.7	235	96.7
ZZ109684		166	0.4	18.7	132	65.6
ZZ109685		58	1.0	78.7	275	87.5
ZZ109686		51	5.0	197.0	539	144.5
ZZ109687		80	2.4	58.1	335	106.0
ZZ109688		74	2.4	88.8	328	135.0
ZZ109689		103	2.4	57.0	261	85.3



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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ109690		0.32	0.005	0.18	7.63	8.5	590	3.61	0.80	2.00	0.43	131.0	11.0	43	7.47	35.5
ZZ109691		0.33	<0.001	0.19	8.04	10.2	690	5.22	0.93	1.60	0.52	148.0	12.4	45	9.41	38.0
ZZ109692		0.39	<0.001	0.17	8.11	9.6	640	3.54	0.95	1.93	0.41	107.0	11.4	49	6.78	34.8
ZZ109693		0.29	<0.001	0.28	7.72	13.9	630	4.16	1.70	1.48	0.60	143.0	12.9	52	10.10	52.5
ZZ109694		0.33	<0.001	0.33	8.12	10.0	610	3.24	0.77	2.10	0.40	157.0	12.9	42	6.79	38.0
ZZ109695		0.44	0.001	0.13	8.26	12.8	690	3.06	0.74	1.85	0.39	129.0	13.5	55	6.94	39.9
ZZ109696		0.35	<0.001	0.14	7.66	9.8	650	2.91	0.77	1.96	0.47	107.0	10.7	42	5.79	39.4
ZZ109697		0.47	<0.001	0.09	8.36	7.5	740	2.89	0.40	2.17	0.26	91.1	11.8	46	5.91	24.2
ZZ109698		0.35	<0.001	0.11	8.25	7.3	720	2.89	0.36	2.15	0.23	104.5	11.4	43	5.30	22.1
ZZ109699		0.38	<0.001	0.12	8.66	6.2	800	3.03	0.40	2.24	0.23	79.8	11.2	41	5.86	21.3
ZZ109700		0.41	<0.001	0.11	8.30	10.2	710	2.69	0.48	2.29	0.27	99.1	13.2	48	4.94	31.7
ZZ109701		0.31	0.001	0.10	8.05	9.5	670	2.22	0.43	2.16	0.20	58.2	12.6	49	4.50	29.2
ZZ109702		0.28	<0.001	0.08	8.58	4.8	820	2.63	0.25	2.27	0.14	65.0	10.0	32	4.97	17.7
ZZ109703		0.33	<0.001	0.09	8.54	4.7	830	2.61	0.26	2.45	0.16	65.7	10.0	39	4.56	16.8
ZZ109704		0.36	<0.001	0.09	8.48	4.6	930	3.01	0.31	2.33	0.20	61.2	9.9	34	6.60	14.9
ZZ109705		0.37	<0.001	0.08	8.00	6.2	940	2.70	0.34	2.33	0.30	68.7	11.3	38	7.24	23.7
ZZ109706		0.40	<0.001	0.06	8.15	9.0	910	2.51	0.35	2.17	0.40	85.8	13.8	52	6.25	29.2
ZZ109707		0.32	0.001	0.12	8.47	9.6	860	2.79	0.45	1.95	0.26	58.3	14.0	50	7.24	30.5
ZZ109708		0.29	<0.001	0.10	8.01	6.5	660	2.15	0.43	2.33	0.13	52.5	11.2	41	4.27	25.8
ZZ109709		0.32	<0.001	0.09	8.24	6.6	710	2.68	0.47	2.23	0.33	78.5	11.7	45	5.47	26.9
ZZ109710		0.31	<0.001	0.14	8.03	9.5	680	4.06	0.80	2.18	0.38	98.0	12.9	48	5.99	38.9
ZZ123967		0.32	<0.001	0.14	8.37	8.6	730	3.24	0.55	2.02	0.30	73.8	13.3	42	6.96	35.7
ZZ123968		0.31	<0.001	0.10	8.17	8.3	650	2.92	0.61	2.06	0.33	164.5	11.5	40	5.47	31.4
ZZ123969		0.32	<0.001	0.14	8.05	11.3	700	3.05	0.76	1.76	0.50	133.5	11.8	42	6.25	39.2
ZZ123970		0.36	<0.001	0.08	8.24	8.8	690	2.85	0.60	1.98	0.42	142.5	11.8	40	5.62	35.0
ZZ123971		0.32	<0.001	0.12	8.36	9.2	710	3.25	0.72	1.99	0.35	173.5	11.2	43	6.42	32.9
ZZ123972		0.29	<0.001	0.13	8.05	7.8	740	4.22	0.58	1.96	0.44	119.0	12.0	44	6.70	34.3
ZZ123973		0.32	0.004	0.15	8.14	7.8	780	3.14	0.64	2.11	0.44	106.5	11.9	41	6.42	33.1
ZZ123974		0.32	<0.001	0.15	8.23	10.4	720	3.26	0.87	1.68	0.30	95.0	13.5	52	7.71	39.4
ZZ123975		0.30	<0.001	0.14	8.30	8.1	800	3.18	0.62	2.09	0.38	126.5	12.3	44	7.02	33.7
ZZ123976		0.29	<0.001	0.11	8.43	7.2	760	3.69	0.48	2.07	0.31	113.0	11.4	44	6.05	31.7
ZZ123977		0.35	<0.001	0.13	8.23	12.2	770	3.09	0.67	2.10	0.44	91.5	14.9	58	6.78	41.9
ZZ123978		0.34	<0.001	0.11	7.68	12.8	720	2.56	0.66	1.91	0.38	77.7	14.5	64	5.85	41.8
ZZ123979		0.37	<0.001	0.31	7.99	5.9	790	2.87	0.60	2.67	0.51	76.1	12.7	48	3.97	38.1
ZZ123980		0.34	<0.001	0.15	7.75	11.8	700	2.93	0.60	2.22	0.51	64.3	17.4	58	4.06	48.9
ZZ123981		0.31	<0.001	0.17	7.61	11.9	740	2.67	0.53	2.01	0.36	58.9	14.9	74	4.19	38.7
ZZ123982		0.36	0.001	0.21	8.10	6.3	830	3.06	0.44	2.93	0.32	59.5	15.2	55	3.26	32.1
ZZ123983		0.29	<0.001	0.28	8.22	5.2	790	3.64	0.46	3.00	0.33	68.8	16.7	57	5.21	26.6
ZZ123984		0.32	0.001	0.19	8.43	5.9	750	3.93	0.41	2.66	0.37	64.1	18.0	67	8.79	39.8
ZZ123985		0.31	<0.001	0.13	7.44	11.1	610	3.63	0.72	3.03	0.35	70.8	18.2	79	6.15	43.3



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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte Units LOD	Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
ZZ109690		4.41	22.5	0.14	3.6	0.159	1.66	59.8	40.7	1.03	770	2.07	2.48	27.1	21.1	980
ZZ109691		4.47	23.3	0.17	2.9	0.181	1.76	68.6	50.9	1.02	972	2.34	2.27	25.5	22.9	1100
ZZ109692		4.36	22.2	0.13	3.7	0.157	1.81	49.7	39.6	1.05	805	1.88	2.58	33.2	24.2	1070
ZZ109693		5.05	23.2	0.16	3.6	0.193	1.66	65.8	52.2	1.09	920	3.56	2.09	31.8	26.9	1100
ZZ109694		4.57	23.0	0.16	3.6	0.153	1.67	75.4	38.1	1.08	870	2.20	2.54	27.9	22.9	1010
ZZ109695		4.74	22.9	0.13	2.8	0.139	1.71	59.9	41.6	1.17	843	2.47	2.34	32.1	28.4	1050
ZZ109696		3.95	20.7	0.12	3.0	0.129	1.67	50.6	37.3	0.94	762	2.14	2.44	25.3	22.9	1000
ZZ109697		4.16	22.0	0.11	2.6	0.091	1.72	41.5	43.9	1.11	718	1.45	2.59	19.4	23.4	1100
ZZ109698		3.98	22.2	0.12	2.5	0.094	1.69	52.2	43.6	1.05	675	1.39	2.63	18.3	22.3	980
ZZ109699		4.02	22.2	0.10	1.9	0.085	1.79	38.4	47.6	1.04	685	1.16	2.72	15.9	21.2	980
ZZ109700		4.55	21.7	0.11	2.3	0.107	1.69	46.6	36.0	1.14	765	1.86	2.54	21.8	25.1	1040
ZZ109701		4.00	20.5	0.09	1.8	0.069	1.54	29.4	36.6	1.17	651	1.41	2.39	14.5	26.1	980
ZZ109702		3.55	21.2	0.09	1.4	0.058	1.71	30.1	45.3	0.94	636	0.89	2.74	11.4	17.3	890
ZZ109703		3.58	20.6	0.09	1.7	0.064	1.72	34.0	43.8	0.97	640	0.83	2.80	11.0	18.6	1080
ZZ109704		3.61	20.8	0.10	1.4	0.069	1.80	30.9	51.5	0.95	713	0.85	2.75	13.3	15.9	1120
ZZ109705		3.92	19.70	0.09	1.6	0.075	1.66	34.1	54.7	1.10	713	1.14	2.45	15.9	19.4	900
ZZ109706		4.17	20.1	0.10	1.7	0.081	1.66	40.1	49.9	1.17	775	1.33	2.37	15.5	28.7	870
ZZ109707		4.36	21.3	0.09	1.5	0.082	1.70	28.4	54.9	1.18	828	1.56	2.26	13.4	26.8	1300
ZZ109708		3.93	18.95	0.08	2.0	0.065	1.44	25.8	34.6	1.16	617	1.26	2.38	11.4	20.5	1000
ZZ109709		3.93	21.0	0.12	2.5	0.095	1.61	38.6	43.1	1.10	686	1.22	2.49	16.2	22.7	1030
ZZ109710		4.37	21.0	0.13	2.8	0.123	1.57	47.0	42.1	1.15	773	1.76	2.41	19.8	25.1	1150
ZZ123967		4.16	22.6	0.11	2.2	0.115	1.65	34.9	49.0	1.12	773	1.48	2.36	22.8	24.5	1110
ZZ123968		4.33	24.3	0.21	3.3	0.128	1.75	76.8	34.9	1.05	760	2.28	2.62	25.5	22.9	860
ZZ123969		4.15	23.5	0.19	3.4	0.138	1.82	62.2	39.3	0.96	791	2.37	2.49	30.0	24.7	880
ZZ123970		4.11	23.7	0.20	2.4	0.131	1.85	65.6	38.7	1.02	767	1.99	2.69	21.8	25.0	780
ZZ123971		4.29	23.9	0.22	3.8	0.134	1.82	82.1	40.5	1.03	800	1.95	2.67	26.5	22.7	920
ZZ123972		4.23	22.3	0.14	2.3	0.119	1.78	56.3	46.6	1.03	842	1.65	2.51	22.7	23.8	830
ZZ123973		3.97	21.9	0.13	2.6	0.116	1.78	49.4	46.0	0.98	810	1.56	2.53	22.1	22.9	990
ZZ123974		4.56	22.4	0.11	2.5	0.149	1.70	45.3	47.6	1.12	923	2.11	2.23	21.3	25.3	1020
ZZ123975		4.54	22.6	0.14	2.7	0.120	1.77	58.8	49.0	1.07	858	1.89	2.52	20.3	23.0	930
ZZ123976		4.42	22.4	0.13	3.2	0.122	1.88	55.4	42.7	1.05	794	1.65	2.65	21.4	22.7	810
ZZ123977		4.78	22.3	0.12	2.7	0.115	1.66	42.8	46.1	1.28	891	2.17	2.31	18.7	30.2	1120
ZZ123978		4.77	21.0	0.10	2.5	0.116	1.62	37.1	37.8	1.16	830	2.44	2.07	17.8	31.2	1150
ZZ123979		4.47	19.15	0.11	1.9	0.108	2.19	38.4	29.5	1.05	790	1.04	2.12	13.5	24.4	1000
ZZ123980		4.99	19.45	0.10	1.8	0.086	1.92	29.6	35.0	1.07	1030	1.80	1.84	12.9	34.3	1290
ZZ123981		5.12	19.85	0.10	1.9	0.081	1.87	27.6	31.8	1.04	917	2.20	1.80	14.0	32.4	1360
ZZ123982		5.37	18.65	0.11	1.6	0.076	2.80	27.5	28.9	0.95	1020	0.84	2.20	14.4	26.3	1020
ZZ123983		5.52	19.85	0.11	1.8	0.080	2.59	31.6	38.3	0.95	1110	0.60	2.25	15.0	26.8	1090
ZZ123984		4.84	21.8	0.11	1.5	0.074	2.38	31.0	54.4	1.15	990	0.70	2.28	14.1	35.1	790
ZZ123985		4.92	20.3	0.10	1.9	0.090	1.74	33.5	43.1	1.14	1130	2.17	1.93	16.7	37.7	1350



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Sample Description	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	
	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
Method Analyte Units LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	
ZZ109690	29.5	82.5	<0.002	0.04	0.59	11.4	1	8.2	340	1.51	<0.05	18.70	0.467	0.72	6.5	
ZZ109691	31.9	99.3	<0.002	0.05	0.68	10.7	1	8.6	285	1.50	0.06	21.3	0.438	0.85	7.2	
ZZ109692	31.0	85.1	<0.002	0.03	0.71	11.6	1	7.1	309	1.81	<0.05	20.0	0.471	0.78	8.1	
ZZ109693	38.7	101.5	<0.002	0.07	0.95	12.4	1	9.1	247	1.82	0.07	20.5	0.486	0.90	8.6	
ZZ109694	28.4	80.2	<0.002	0.05	0.67	11.6	1	6.4	390	1.47	<0.05	18.80	0.456	0.66	7.5	
ZZ109695	29.4	81.1	<0.002	0.05	0.93	12.3	1	5.2	330	1.73	<0.05	28.2	0.482	0.70	9.9	
ZZ109696	24.2	79.2	<0.002	0.04	0.65	10.3	<1	5.5	341	1.51	<0.05	24.0	0.423	0.65	7.1	
ZZ109697	19.8	74.5	<0.002	0.02	0.66	11.2	1	3.7	389	1.15	<0.05	12.55	0.472	0.62	6.1	
ZZ109698	22.6	70.9	<0.002	0.02	0.58	10.5	<1	3.4	388	0.98	<0.05	19.70	0.447	0.61	6.4	
ZZ109699	23.1	75.6	<0.002	0.03	0.51	10.1	<1	3.7	424	0.88	<0.05	12.50	0.437	0.64	4.6	
ZZ109700	21.9	67.5	<0.002	0.04	0.76	11.7	1	4.9	428	1.28	0.05	13.95	0.486	0.56	5.2	
ZZ109701	21.3	60.8	<0.002	0.05	1.24	11.8	1	3.5	397	0.86	0.06	12.35	0.447	0.51	4.5	
ZZ109702	17.5	73.3	<0.002	0.02	0.45	9.4	1	4.4	442	0.67	<0.05	9.40	0.418	0.60	4.4	
ZZ109703	17.0	67.1	<0.002	0.02	0.47	10.5	<1	4.6	451	0.63	0.05	22.4	0.444	0.56	7.8	
ZZ109704	22.3	84.6	<0.002	0.03	0.43	9.9	1	4.9	449	0.77	<0.05	13.00	0.455	0.66	5.9	
ZZ109705	17.6	76.6	<0.002	0.04	0.49	10.3	1	3.3	453	0.84	<0.05	12.35	0.469	0.59	3.9	
ZZ109706	17.6	76.4	<0.002	0.03	0.68	12.2	1	3.5	410	0.82	0.05	10.85	0.468	0.63	3.6	
ZZ109707	21.7	83.8	<0.002	0.06	0.73	11.7	1	3.6	371	0.75	0.05	14.30	0.458	0.66	5.8	
ZZ109708	17.1	56.2	<0.002	0.06	0.59	10.4	1	3.7	470	0.65	0.05	8.38	0.438	0.48	4.0	
ZZ109709	19.8	74.8	<0.002	0.04	0.62	11.1	1	3.6	405	0.91	<0.05	12.50	0.455	0.56	4.8	
ZZ109710	23.5	76.9	<0.002	0.05	0.72	12.1	1	5.0	393	1.11	<0.05	16.95	0.479	0.59	5.9	
ZZ123967	21.8	86.0	<0.002	0.06	0.67	11.7	1	4.5	386	1.30	0.05	14.80	0.441	0.65	6.6	
ZZ123968	25.0	75.7	<0.002	0.04	0.66	11.1	1	5.1	382	1.66	<0.05	19.20	0.463	0.66	7.1	
ZZ123969	29.3	87.0	<0.002	0.05	0.77	10.6	1	5.7	333	1.83	<0.05	18.25	0.423	0.74	7.5	
ZZ123970	24.1	79.1	<0.002	0.04	0.67	10.7	<1	5.1	380	1.31	<0.05	14.75	0.441	0.70	5.0	
ZZ123971	25.0	82.4	<0.002	0.04	0.68	11.3	<1	7.1	361	1.60	<0.05	20.6	0.474	0.78	7.7	
ZZ123972	22.3	94.2	<0.002	0.04	0.61	11.4	1	8.6	355	1.27	<0.05	15.75	0.454	0.70	5.3	
ZZ123973	22.7	90.4	<0.002	0.04	0.60	11.5	1	5.2	385	1.30	<0.05	16.85	0.441	0.68	6.0	
ZZ123974	25.9	94.9	<0.002	0.06	0.77	11.7	1	6.3	307	1.16	<0.05	15.15	0.462	0.72	6.6	
ZZ123975	21.7	92.2	<0.002	0.05	0.60	11.6	1	6.6	390	1.24	<0.05	17.50	0.507	0.67	5.7	
ZZ123976	20.8	91.1	<0.002	0.04	0.54	11.2	1	5.4	371	1.29	<0.05	15.90	0.474	0.65	5.0	
ZZ123977	21.4	88.7	<0.002	0.07	0.96	13.6	1	4.9	396	1.09	0.06	16.50	0.509	0.63	5.0	
ZZ123978	21.2	83.8	<0.002	0.07	1.13	14.9	1	4.7	342	1.00	0.05	13.05	0.501	0.58	4.3	
ZZ123979	18.3	99.1	<0.002	0.05	0.56	14.3	1	6.4	588	0.82	<0.05	11.05	0.477	0.54	3.5	
ZZ123980	21.1	87.4	<0.002	0.08	0.96	14.8	1	3.7	506	0.78	0.06	9.61	0.463	0.49	3.1	
ZZ123981	18.7	83.3	<0.002	0.06	1.27	16.1	1	3.3	441	0.82	0.05	8.04	0.515	0.52	3.1	
ZZ123982	16.2	115.0	<0.002	0.03	0.62	14.4	<1	3.8	750	0.88	<0.05	17.40	0.521	0.56	3.9	
ZZ123983	20.4	112.0	<0.002	0.02	0.50	13.9	<1	4.1	695	0.89	<0.05	9.70	0.537	0.64	3.4	
ZZ123984	18.6	123.5	<0.002	0.02	0.50	15.4	1	3.7	608	0.84	<0.05	11.15	0.497	0.76	3.3	
ZZ123985	16.4	98.6	<0.002	0.07	1.26	15.7	1	3.5	491	1.01	<0.05	9.26	0.537	0.53	3.6	



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Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
ZZ109690		91	1.8	38.3	217	91.4
ZZ109691		84	1.6	40.3	236	73.6
ZZ109692		93	2.0	40.2	211	94.3
ZZ109693		105	5.1	43.3	247	96.0
ZZ109694		98	1.2	38.6	203	89.0
ZZ109695		111	1.9	38.1	192	79.8
ZZ109696		84	2.1	32.6	181	76.0
ZZ109697		95	1.1	25.5	155	69.4
ZZ109698		89	1.0	23.7	148	69.0
ZZ109699		89	0.7	19.6	129	54.0
ZZ109700		108	0.9	27.2	160	65.5
ZZ109701		105	0.7	18.2	116	59.6
ZZ109702		83	0.5	13.9	97	41.4
ZZ109703		90	0.5	14.6	95	48.9
ZZ109704		85	0.6	15.3	100	43.9
ZZ109705		88	5.1	18.2	124	42.4
ZZ109706		102	0.8	20.0	133	54.2
ZZ109707		107	1.0	16.8	132	49.3
ZZ109708		103	0.6	16.1	110	55.6
ZZ109709		93	1.0	47.6	146	65.9
ZZ109710		100	1.2	31.1	184	77.2
ZZ123967		91	2.0	29.5	164	60.2
ZZ123968		90	1.6	31.9	175	84.1
ZZ123969		88	1.5	34.9	201	90.3
ZZ123970		87	1.3	28.5	189	65.8
ZZ123971		91	1.7	33.4	182	91.1
ZZ123972		89	1.2	28.8	178	61.6
ZZ123973		87	1.6	30.7	172	66.6
ZZ123974		102	3.8	27.5	186	68.1
ZZ123975		98	1.8	28.4	168	67.7
ZZ123976		95	1.6	27.0	175	77.7
ZZ123977		123	1.9	25.2	175	79.7
ZZ123978		133	1.9	23.7	153	80.6
ZZ123979		138	1.2	23.5	153	56.4
ZZ123980		156	1.6	22.0	152	63.9
ZZ123981		177	1.2	20.8	133	66.8
ZZ123982		190	1.5	25.9	124	53.5
ZZ123983		188	1.4	25.6	125	48.6
ZZ123984		148	1.2	21.5	125	46.2
ZZ123985		150	1.6	22.9	139	63.5



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Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- MS61 Ag ppm	ME- MS61 Al %	ME- MS61 As ppm	ME- MS61 Ba ppm	ME- MS61 Be ppm	ME- MS61 Bi ppm	ME- MS61 Ca %	ME- MS61 Cd ppm	ME- MS61 Ce ppm	ME- MS61 Co ppm	ME- MS61 Cr ppm	ME- MS61 Cs ppm	ME- MS61 Cu ppm
		0.02	0.001	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
ZZ123986		0.34	<0.001	0.89	8.90	2.5	740	3.52	1.33	2.19	4.58	52.4	10.7	23	14.25	64.5
ZZ123987		0.30	<0.001	0.57	7.97	7.8	540	3.68	1.30	1.78	2.17	64.3	11.9	53	5.44	66.4



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Sample Description	Method	Analyte	Units	LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61			
					Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
					%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
					0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
ZZ123986					4.15	23.6	0.08	1.3	0.224	1.82	25.4	52.1	1.18	1100	0.29	1.91	13.0	9.2	1100
ZZ123987					3.49	20.8	0.10	2.5	0.147	1.87	30.4	29.2	0.95	841	1.07	2.61	13.6	28.1	790



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Sample Description	Method	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
ZZ123986		52.4	109.0	<0.002	0.02	0.34	12.2	1	14.4	424	0.73	<0.05	14.65	0.506	0.93	7.7
ZZ123987		32.5	90.8	<0.002	0.04	0.78	11.9	1	12.7	295	0.88	0.05	18.10	0.385	0.68	7.5



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Account: MTT

Project: MELOY

CERTIFICATE OF ANALYSIS WH18177117

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		V ppm 1	W ppm 0.1	Y ppm 0.1	Zn ppm 2	Zr ppm 0.5
ZZ123986		87	5.2	18.1	563	30.7
ZZ123987		93	1.4	19.7	273	73.1



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177117

CERTIFICATE COMMENTS	
	<p style="text-align: center;">ANALYTICAL COMMENTS</p> <p>Applies to Method: REE's may not be totally soluble in this method. ME- MS61</p>
	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada. LOG- 22 SCR- 41 WEI- 21</p> <p>Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. Au- ICP21 ME- MS61</p>



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CERTIFICATE WH18177137

Project: MELOY

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 23-JUL- 2018.

The following have access to data associated with this certificate:

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

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Ag- OG62	Ore Grade Ag - Four Acid	
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
Cu- OG62	Ore Grade Cu - Four Acid	

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

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

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177137

Sample Description	Method Analyte Units LOD	WEI- 21	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
W591609		1.56	0.018	>100	3.66	187.5	150	2.20	402	2.73	8.65	19.55	13.3	108	15.95	>10000
W591610		1.32	0.139	44.9	2.59	>10000	100	3.46	369	2.09	55.9	9.93	10.3	19	9.85	>10000
W591611		1.58	0.012	>100	5.70	>10000	260	3.69	128.0	0.32	194.5	73.5	1.7	8	10.60	>10000
W591612		2.38	<0.005	33.5	8.12	39.0	340	10.65	30.3	1.09	1.71	154.0	2.6	9	9.65	1300
W591613		1.39	<0.005	0.88	8.04	21.2	990	3.56	0.53	2.98	0.27	37.5	9.2	17	2.58	50.8
W591614		1.13	<0.005	15.05	0.72	7.6	10	5.33	55.2	3.05	5.78	4.70	3.1	13	5.51	41.5
W591615		2.78	<0.005	0.73	6.03	5.0	10	2.02	0.90	0.30	0.12	4.34	0.4	9	3.25	138.0
W591616		1.39	<0.005	0.39	6.96	16.9	110	6.16	0.63	0.24	0.41	40.4	0.3	7	4.98	63.7
W591617		1.20	<0.005	2.09	6.69	57.6	130	3.62	2.58	0.04	0.71	31.1	0.7	5	7.58	791



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177137

Sample Description	Method Analyte Units LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
		0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
W591609		2.80	10.40	0.12	0.4	7.92	3.65	8.5	137.5	0.66	337	4.56	0.10	3.6	6.8	330
W591610		6.06	10.00	0.11	0.1	21.7	1.46	4.8	167.5	0.23	433	3.22	0.06	1.4	4.0	40
W591611		4.89	19.35	0.14	1.2	49.6	3.37	33.3	164.5	0.02	502	2.25	0.90	14.0	0.7	40
W591612		2.58	24.1	0.21	1.5	0.817	4.31	76.8	46.0	0.16	3170	2.05	4.66	19.9	2.8	240
W591613		3.43	18.30	0.16	0.7	0.079	5.22	18.5	23.4	0.68	819	0.48	2.45	7.8	9.6	970
W591614		2.36	5.14	0.05	0.2	0.247	0.09	2.8	85.7	0.32	1060	9.01	0.13	1.4	2.0	10
W591615		0.56	18.10	0.12	0.7	0.199	4.40	2.5	10.6	0.01	83	0.23	2.40	4.7	0.7	10
W591616		0.87	22.8	0.22	1.5	0.053	4.36	15.7	25.7	0.03	197	5.10	2.87	25.5	0.7	60
W591617		2.25	22.7	0.22	0.8	1.165	3.68	13.2	116.0	0.03	2090	8.53	0.59	25.0	0.7	40

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



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CERTIFICATE OF ANALYSIS WH18177137

Sample Description	Method	Analyte	Units	LOD	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61			
					Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
					ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
					0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
W591609					33.0	303	<0.002	1.91	1.14	8.0	14	400	55.6	0.12	1.70	0.77	0.166	4.09	2.7
W591610					113.5	145.0	0.016	4.12	8.24	3.3	24	320	18.7	<0.05	1.48	0.21	0.018	1.99	1.1
W591611					451	224	0.002	3.80	3.28	1.4	11	>500	17.4	0.78	0.24	8.04	0.045	3.80	6.4
W591612					715	156.5	<0.002	0.09	0.15	3.0	1	180.0	319	1.23	0.09	11.80	0.153	1.72	3.7
W591613					17.5	188.0	<0.002	0.01	0.36	9.4	<1	2.7	943	0.49	<0.05	7.55	0.262	0.82	2.2
W591614					1570	8.1	<0.002	0.01	0.26	1.5	1	20.8	102.5	0.05	0.13	0.37	0.019	0.14	2.0
W591615					40.9	231	<0.002	<0.01	0.06	0.9	1	7.9	16.4	0.37	<0.05	9.37	0.023	1.51	11.0
W591616					34.2	221	<0.002	<0.01	<0.05	4.0	<1	6.0	28.8	4.03	<0.05	23.0	0.034	1.74	13.4
W591617					19.0	303	0.028	<0.01	0.21	11.7	1	95.0	13.1	1.39	<0.05	11.55	0.029	3.71	6.9



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CERTIFICATE OF ANALYSIS WH18177137

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Ag- OG62 Ag ppm 1	Cu- OG62 Cu % 0.001
W591609		46	21.2	10.3	559	15.0	372	3.98
W591610		11	2460	5.8	2250	2.7		2.75
W591611		<1	419	49.0	8510	18.2	825	4.21
W591612		35	2.8	30.8	720	28.3		
W591613		138	0.9	14.3	65	10.7		
W591614		32	1.8	4.5	593	6.4		
W591615		2	0.4	1.6	18	12.1		
W591616		2	2.2	18.0	61	25.0		
W591617		2	3840	12.3	142	15.4		



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Project: MELOY

CERTIFICATE OF ANALYSIS WH18177137

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Ag- OG62	Au- AA24	Cu- OG62	ME- MS61
ME- OG62			



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CERTIFICATE WH18287660

Project: MELOY

This report is for 1 Rock sample submitted to our lab in Whitehorse, YT, Canada on 13-NOV-2018.

The following have access to data associated with this certificate:

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

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS85	Lithium Borate Fusion - Select Elements	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: 
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH18287660

Sample Description	Method Analyte Units LOD
W591611	ME-MS85 Sn ppm 1 1850



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CERTIFICATE OF ANALYSIS WH18287660

CERTIFICATE COMMENTS

Applies to Method:	<p style="text-align: center;">LABORATORY ADDRESSES</p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada. ME-MS85</p>
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