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ASSESSMENT REPORT

describing

PROSPECTING, GEOLOGICAL MAPPING AND DIAMOND DRILLING

Field work performed from June 16 to July 25, 2019

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
March 2020

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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 wholly owned by Strategic Metals Ltd.

This report describes prospecting, geological mapping and diamond drilling that was conducted on the Meloy property between June 16 and July 25, 2019. Following the field program, the core was processed at the Yukon Geological Survey in Whitehorse from to October 21 to November 1, 2019. 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 61º29'N and longitude 138º11'W on NTS map sheets 115G/08 and 115G/09 (Figure 1). The property covers an area of approximately 4845 ha (48.45 km^2). 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.

Claim Name	Grant Number	Expiry Date*
Meloy 1-20	YC65705-YC65724	March 31, 2039
21-42	YC65745-YC65766	March 31, 2039
43-98	YD117353-YD117408	April 02, 2029
99-107	YD117109-YD117117	April 02, 2030
108-234	YD117118-YD117244	April 02, 2029

* Expiry dates include 2019 work that has been filed for assessment credit.

Daily access to the property in 2019 was provided by an AS350 B2 A-Star helicopter operated by Capital Helicopters (1995) Inc. from the Burwash airport, which is located about 45 km west of the Meloy property. Crews were housed at the Talbot Arm Motel, found in the community of Destruction Bay, which is approximately 20 km from the airport.

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 (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

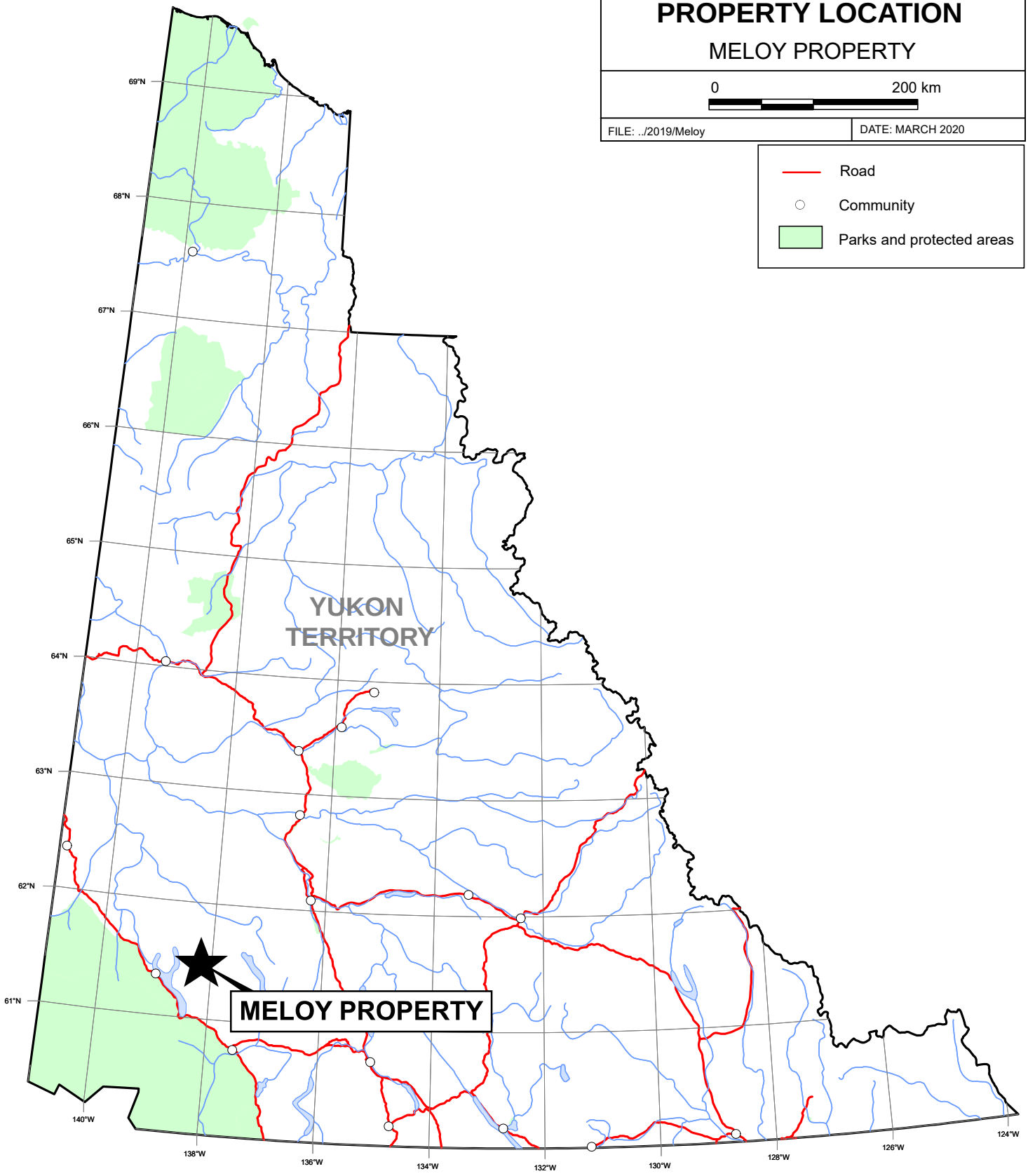
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

MELOY PROPERTY

0 200 km

FILE: ../2019/Meloy | DATE: MARCH 2020



645,000
647,500
650,000
652,500
655,000
657,500
6,825,000
6,822,500
6,820,000
6,817,500

True North
Grid North 2°28'
Magnetic North 18°38' E
Annual change 21.6' W

ALASKITE CREEK
TALBOT CREEK
ROCKSLIDE CREEK

NORTH CIRQUE
MELOY 233
MELOY 234
MELOY 231
MELOY 232
MELOY 229
MELOY 230
MELOY 227
MELOY 228
MELOY 225
MELOY 226
MELOY 223
MELOY 224
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MELOY 219
MELOY 220
MELOY 205 MELOY 207 MELOY 209 MELOY 211 MELOY 213 MELOY 215 MELOY 217
MELOY 206 MELOY 208 MELOY 210 MELOY 212 MELOY 214 MELOY 216 MELOY 218

NORTH PEAK
CENTRAL PEAK
MAIN CIRQUE
SOUTH PEAK
SOUTH CIRQUE
PLASTER RIDGE
TALBOT CIRQUE
ZIMMER TARN

MELOY 97 MELOY 98 MELOY 41 MELOY 42 MELOY 31 MELOY 32 MELOY 25 MELOY 26 MELOY 73 MELOY 74
MELOY 95 MELOY 96 MELOY 39 MELOY 40 MELOY 29 MELOY 30 MELOY 23 MELOY 24 MELOY 71 MELOY 72
MELOY 93 MELOY 94 MELOY 37 MELOY 38 MELOY 27 MELOY 28 MELOY 21 MELOY 22 MELOY 69 MELOY 70
MELOY 91 MELOY 92 MELOY 35 MELOY 36 MELOY 9 MELOY 10 MELOY 19 MELOY 20 MELOY 67 MELOY 68
MELOY 89 MELOY 90 MELOY 33 MELOY 34 MELOY 7 MELOY 8 MELOY 17 MELOY 18 MELOY 65 MELOY 66 MELOY 99 MELOY 101 MELOY 103 MELOY 105 MELOY 107 MELOY 109 MELOY 111 MELOY 113 MELOY 115 MELOY 117
MELOY 87 MELOY 88 MELOY 79 MELOY 80 MELOY 5 MELOY 6 MELOY 15 MELOY 16 MELOY 63 MELOY 64 MELOY 100 MELOY 102 MELOY 104 MELOY 106 MELOY 108 MELOY 110 MELOY 112 MELOY 114 MELOY 116 MELOY 118
MELOY 85 MELOY 86 MELOY 77 MELOY 78 MELOY 3 MELOY 4 MELOY 13 MELOY 14 MELOY 61 MELOY 62 MELOY 119 MELOY 121 MELOY 123 MELOY 125 MELOY 127 MELOY 129 MELOY 131 MELOY 133 MELOY 135 MELOY 137
MELOY 83 MELOY 84 MELOY 75 MELOY 76 MELOY 1 MELOY 2 MELOY 11 MELOY 12 MELOY 59 MELOY 60 MELOY 120 MELOY 122 MELOY 124 MELOY 126 MELOY 128 MELOY 130 MELOY 132 MELOY 134 MELOY 136 MELOY 138
MELOY 81 MELOY 82 MELOY 43 MELOY 45 MELOY 47 MELOY 49 MELOY 51 MELOY 53 MELOY 55 MELOY 57 MELOY 139 MELOY 141 MELOY 143 MELOY 145 MELOY 147 MELOY 149 MELOY 151 MELOY 153 MELOY 155 MELOY 157
MELOY 44 MELOY 46 MELOY 48 MELOY 50 MELOY 52 MELOY 54 MELOY 56 MELOY 58 MELOY 140 MELOY 142 MELOY 144 MELOY 146 MELOY 148 MELOY 150 MELOY 152 MELOY 154 MELOY 156 MELOY 158
MELOY 183 MELOY 185 MELOY 187 MELOY 189 MELOY 191 MELOY 193 MELOY 159 MELOY 161 MELOY 163 MELOY 165 MELOY 167 MELOY 169 MELOY 171 MELOY 173 MELOY 175 MELOY 177 MELOY 179 MELOY 181
MELOY 184 MELOY 186 MELOY 188 MELOY 190 MELOY 192 MELOY 194 MELOY 160 MELOY 162 MELOY 164 MELOY 166 MELOY 168 MELOY 170 MELOY 172 MELOY 174 MELOY 176 MELOY 178 MELOY 180 MELOY 182

MELOY 195 MELOY 197 MELOY 199 MELOY 201 MELOY 203
MELOY 196 MELOY 198 MELOY 200 MELOY 202 MELOY 204

Bulldozer trail

Occurrences
- Main Cirque
- Main Ridge
- South Cirque
- Northstar
- Rockslide

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

MELOY PROPERTY

0 2,000
meters
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2019/Meloy | DATE: March 2020

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 a). No reports were filed regarding any of these claims.

In 1970 and 1971, Phelps Dodge acquired a large claim block that encompassed much of the current Meloy property, and conducted a work program that included mapping, rock and soil geochemical surveys and diamond drilling (524.5 m). One diamond drill hole (66.7 m) was completed at the Main Cirque, and three diamond drill holes (457.7 m) in the Rockslide area, to the east. These holes were only partially sampled, returning weakly anomalous values for copper and molybdenum (Smith, 1971 a & b).

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 core of 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 around the Main Cirque. 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 airborne magnetic and gamma-ray spectrometric surveys over the property. A total of 293 line kilometres were flown (Smith, 2011). Condor Consulting Inc. of Lakewood, Colorado was later commissioned to assess the data sets and provide a 3D model of the magnetics.

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 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. of Whitehorse, Yukon to fly aerial photography over the Meloy property. An interpretation of the air photos was completed in spring 2014, which 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 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 along the Main Ridge 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 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 samples 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, also 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. Following this work, a petrographic analysis study by Vancouver Petrographics Ltd. was 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 staked by prospector Shawn Ryan in 2011 after a reconnaissance soil geochemical program in 2007. Follow up soil geochemical programs on the Alaskite claims 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 2018, Strategic Metals staked the Meloy 183-234 claims and conducted a program of geological mapping, prospecting and soil sampling. A total of nine rock and 82 soil samples were collected to the north of the Main Cirque, at the North Cirque. Rock samples returned up to 4.21% copper, 0.139 g/t gold, 825 g/t silver, 8510 ppm zinc and greater than 500 ppm tin from quartz veining associated with sub-vertical diabase dykes (Willms, 2018). Soil sampling in the northern portion of the North Cirque returned subdued values for all elements of interest.

GEOMORPHOLOGY

The Meloy property lies within the Ruby Range in the southern part of the Yukon Plateau. The area is made up of alpine terrain characterized by sharp peaks and high rounded ridges, which are bounded by steep-walled, glacially carved valleys with broad flat floors. Unlike typical alpine terrain, flat topped peneplain ridges are prevalent throughout the Ruby Range. Peneplain topography suggests some peaks and ridges may have escaped glaciation, but glacial features are prevalent at lower elevations (Muller, 1967). The full effects of weathering in the Ruby Range are not fully understood; however, peneplain topography is the product of prolonged weathering, which may lead to deep weathering profiles.

A large northwest-trending ridge runs through the centre of the Main Cirque area connecting three prominent peaks, which are referred to as South, Central and North peaks (Figure 2). A series of south and southwest-trending spurs extend off the South and Central peaks. Steep south-facing slopes are blanketed by boulder sized talus and sporadic vegetation. North-facing slopes are largely inaccessible because of cliffs and unstable talus. The Rockslide and Northstar areas in the eastern part of the property are dominated by a north trending ridge, referred to as Plaster Ridge, which is characterized by steep and rugged walls leading up to a wide and flat top.

The Main Cirque area is separated from the Rockslide and Northstar areas 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 approximately 1220 to 2245 m above sea level (asl). Sparse vegetation, which is mostly limited to moss and grass, is found on valley floors, south-facing slopes and 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 region was originally mapped at 1:250,000 scale by the GSC in the early 1970's (Templeman-Kluit, 1974). In 1999, Gordey and Makepeace (1999) reinterpreted the regional geology in the Meloy area as part of a Yukon-wide compilation. From 2007 to 2016, the YGS re-mapped the northern portion of map sheet 115G and the western half of 115H at 1:50,000 scale (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 northeast from the Denali Fault to the north end of Aishihik and Sekulmun lakes. Figure 4

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FIGURE 3

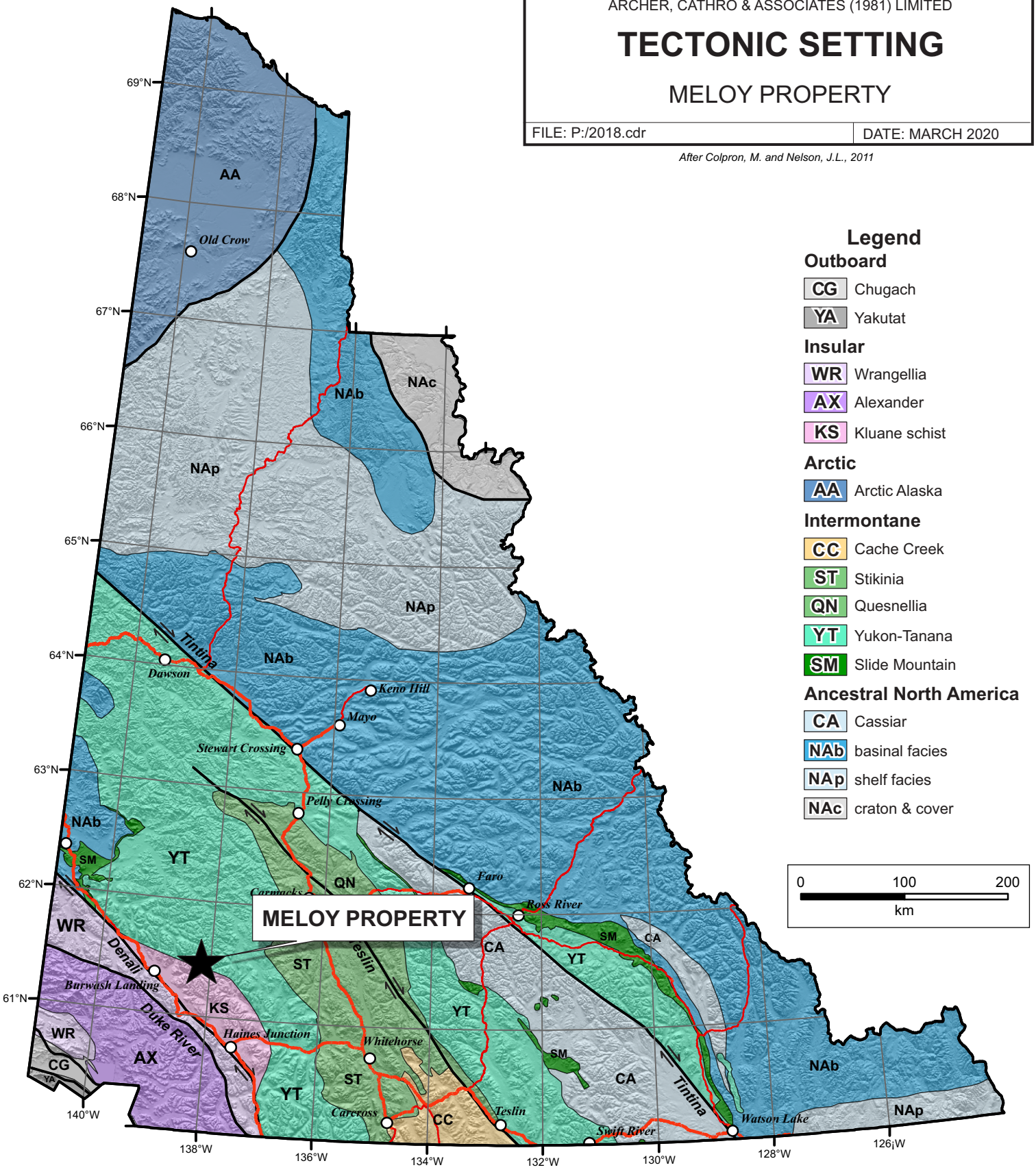
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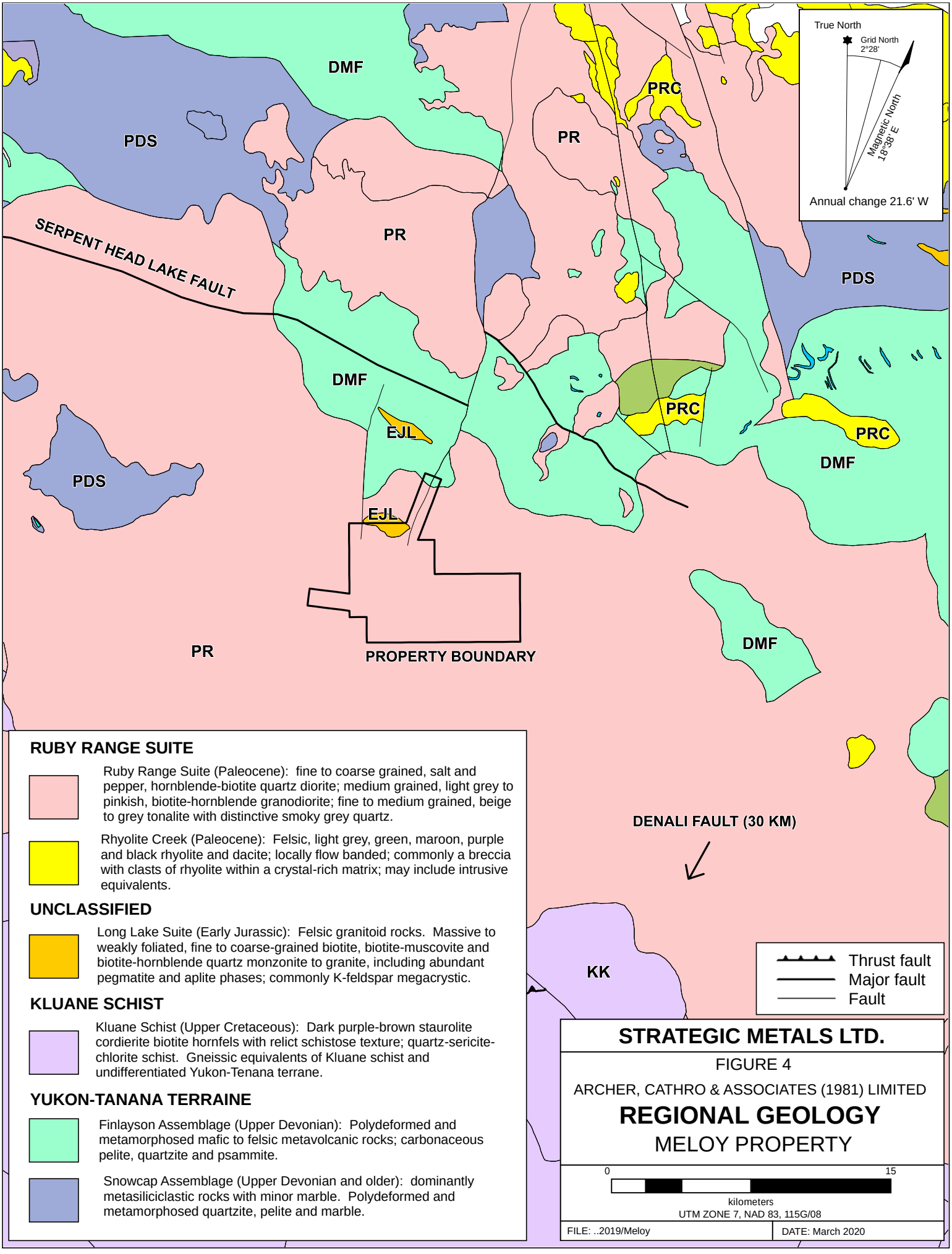
TECTONIC SETTING

MELOY PROPERTY

FILE: P:/2018.cdr | DATE: MARCH 2020

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





RUBY RANGE SUITE

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 smoky grey quartz.

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

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

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-Tenana terrane.

YUKON-TANANA TERRAINE

Finlayson Assemblage (Upper Devonian): Polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite.

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

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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

MELOY PROPERTY

0 15

kilometers

UTM ZONE 7, NAD 83, 115G/08

FILE: ..2019/Meloy

DATE: March 2020

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, listed from youngest to oldest ages.

Table I – Regional Lithological Units (*after Yukon Bedrock Geology Map, 2019)*

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.
Kluane Schist (KK)	Upper Cretaceous	Dark purplish brown staurolite cordierite biotite hornfels with relict schistose texture; qurtz-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 strongly 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, quartz monzonite and quartz-feldspar porphyry. The suite ranges in age from approximately 65 to 52 Ma. The oldest portions of the suite are found along the Kluhini 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, such as miarolitic cavities and pegmatites. The Ruby Range suite is intimately related to its extrusive equivalent, the Rhyolite Creek volcanic unit. These volcanic rocks are dominated by dacite, andesite and rhyolite with minor amounts of basalt. The Rhyolite Creek volcanics 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 schist, 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 (ca. 94 Ma upper age limit) 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 Kluhini 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 450 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 property (e.g. the Wolf porphyry prospect). Several north and northeast striking brittle structures cut intrusive rocks of the Ruby Range suite and 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, 2018 and 2019. The following descriptions are based on work completed by Strategic Metals and from compiled historical mapping programs. Overall, geological mapping in the area is hampered by difficult access to bedrock and extensive talus cover.

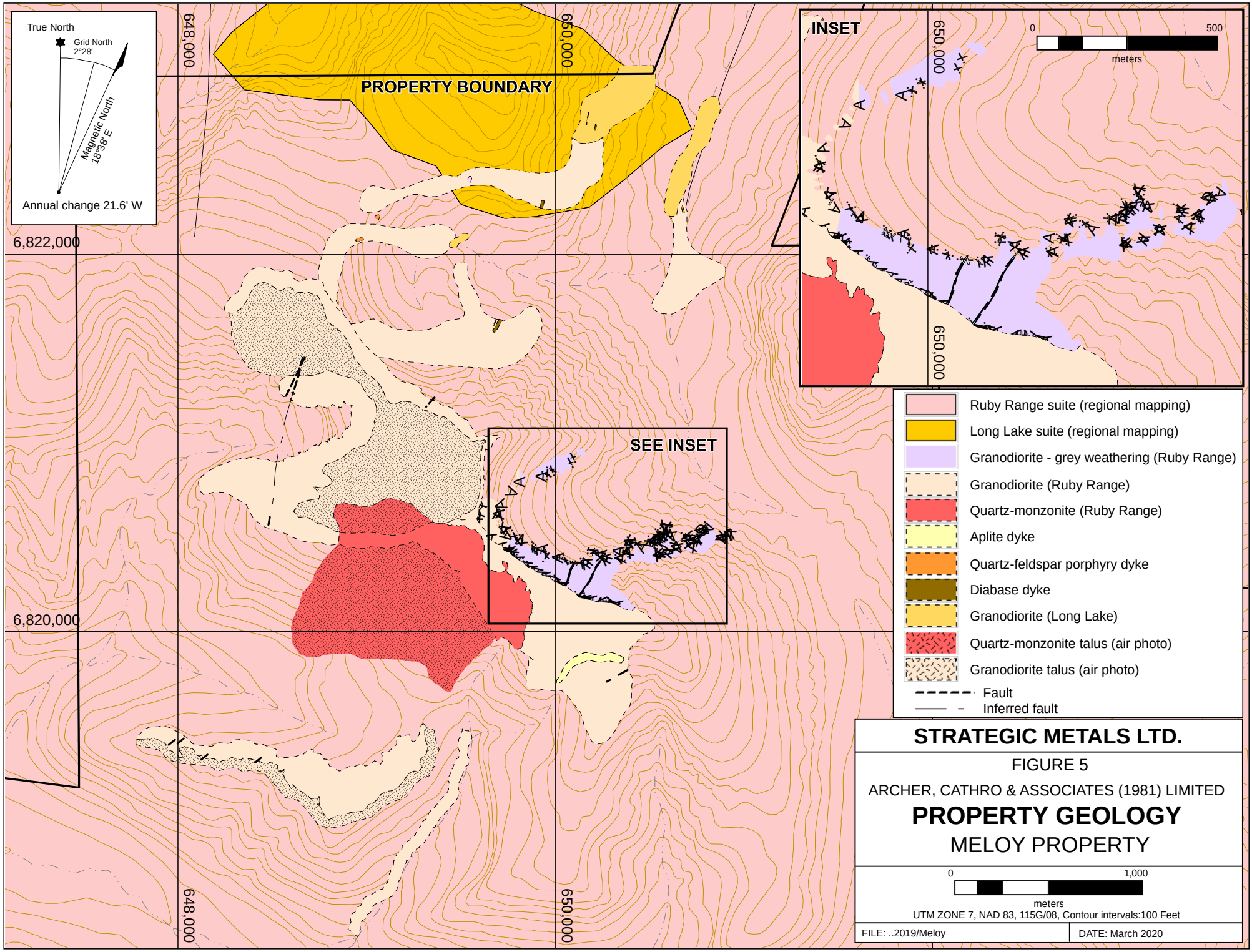
The Meloy property is dominantly underlain by Paleocene to Eocene intrusions associated with the Ruby Range suite. To date, four intrusive phases have been identified from compiled geological mapping on the property. These phases are listed, in decreasing abundance: 1) Medium to coarse-grained biotite ± hornblende granodiorite with common smoky grey quartz crystals; 2) Granite porphyry (referred to as Alaskite in previous reports); 3) Fine-grained quartz monzonite; and 4) Quartz diorite.

Ruby Range granodiorite on the property has distinctive rusty, grey or tan weathered surfaces. Rusty weathering is particularly prevalent at the Main Cirque, Main Ridge and South Cirque areas, and has been attributed to alteration (described below) and oxidation resulting from a dense network of deep seated fracture sets. Grey and tan colour variations of these rocks may also reflect alteration. The 2017 petrographic analysis identified three stages of alteration related to the colour variations seen in Ruby Range granodiorite across the property (Leitch, 2017). 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. In general, surface alteration is discrete making it difficult to readily identify in the field.

Geological mapping in 2019 outlined a stock of previously identified fine-grained, quartz monzonite that intrudes Ruby Range granodiorite approximately 150 m to the south and west of the Main Ridge (Figure 5). The full extent of this intrusive unit is unknown. Preliminary bedrock and talus mapping delineated this unit over an 800 by 250 m area; however, reinterpretation of aerial photographs suggests that quartz monzonite talus and boulders cover an area of at least 800 by 1200 m. A sample from this intrusion was sent to Vancouver Petrographic for analysis and the resulting petrographic report can be found in Appendix III (Payne, 2019). This quartz monzonite unit is interpreted to be hypabyssal, forming at a higher level than coarse-grained granodiorite wallrocks. It is likely the youngest phase of the Ruby Range suite found on the property, and regionally there is no known equivalent unit.

In the south central part of the property, minor fresh quartz diorite has been mapped in the valley floor, near the headwaters of Rockslide Creek. This unit is thought to represent the oldest phase of the Ruby Range suite (Pautler, 2018).

In the northern part of the property, along Alaskite Creek, a Jurassic aged intrusion is surrounded by Ruby Range rocks. This intrusion is a coarse-grained, hornblende ± biotite granodiorite with distinctive epidote altered plagioclase found locally. The extent of this granodiorite body is not known. Similar rocks are mapped to the north of the property, where they intrude rocks of the Yukon-Tanana terrane.


True North
Grid North
2°28'
Magnetic North
18°38' E
Annual change 21.6' W
648,000
650,000
6,822,000
6,820,000
PROPERTY BOUNDARY
SEE INSET
INSET
0
500
meters
Ruby Range suite (regional mapping)
Long Lake suite (regional mapping)
Granodiorite - grey weathering (Ruby Range)
Granodiorite (Ruby Range)
Quartz-monzonite (Ruby Range)
Aplite dyke
Quartz-feldspar porphyry dyke
Diabase dyke
Granodiorite (Long Lake)
Quartz-monzonite talus (air photo)
Granodiorite talus (air photo)
Fault
Inferred fault
STRATEGIC METALS LTD.
FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
MELOY PROPERTY
0
1,000
meters
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet
FILE: ..2019/Meloy
DATE: March 2020

Numerous dykes of variable composition are found on the property. The youngest of these are fine-grained aplite dykes, which intrude all phases of the Ruby Range suite. Fine-grained diabase and quartz-feldspar porphyry dykes are only observed to cut the granodiorite and granite porphyry phases. Where exposed, all of these dykes are narrow (up to two metres thick). In the central part of the property, easterly trending gabbro dykes have also been observed (Pautler, 2018).

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 of recessively weathering linears, trending 000 to 022°, coincide with strongly fractured dykes that contain quartz-flooded fracture swarms.
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 parallel a fault interpreted to run along Alaskite Creek. Several steeply dipping diabase dykes are also 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.

MINERALIZATION AND HAND TRENCHING

The Meloy property covers a large copper, molybdenum ± gold porphyry target and associated vein hosted silver, copper, molybdenum, tungsten, tin and zinc ± gold mineralization. Five main mineralized zones have been identified on the property: Main Ridge, Main Cirque, North Cirque, Rockslide and newly discovered South Cirque. Scattered mineralization has also been discovered in various other parts of the property. Most of the work completed by Strategic Metals has been focused on the Main Ridge and the Main Cirque areas. During the 2019 exploration program, prospecting was completed to the south and west of the Main Ridge. The following descriptions of surface mineralization, distribution and alteration are based on field observations and compiled historical data.

Most of the mineralization discovered on the property is hosted in quartz veins, veinlets and fractures. Mineralized structures are most evident within, but not limited to, grey weathering granodiorite and along diabase dyke contacts.

Since 2018, five distinct types of quartz veining have been observed from surface work on the property.

1) Narrow, cloudy grey to white, sinuous quartz veinlets that form stockwork ‘A-type’ veins. This veining has been observed in float from the Main Cirque and in rocks up two kilometres to the west.

2) Milky white quartz veins cutting Ruby Range granodiorite. These veins are up to 30 cm wide and host fine to very coarse molybdenite rosettes and flakes. These veins have distinct yellow to red colouration on weathered surfaces and slightly pocked surface textures. No other sulphide minerals are typically found within these quartz veins.

3) Fine grained, grey to smoky quartz veining has been observed across the property, typically within Ruby Range granodiorite. These veins are up to 30 cm in width and display euhedral, druse, banded and locally vuggy textures. They are associated with, but not limited to, recessive linears. The veins host pyrite, chalcopyrite, arsenopyrite, sphalerite and bladed wolframite ± bornite. They are often accompanied by secondary limonite, scorodite and/or malachite ± azurite weathering. The presence of highly elevated arsenic (greater than 1%), antimony (up to 434 ppm) and zinc (up to 2.4%) in these veins suggests they may be analogous to veins found in the upper levels of transitional porphyry to epithermal systems.

4) White quartz veins, up to 40 cm wide, are found along the selvedges of steeply dipping to sub-vertical diabase dykes. These veins host pyrite, chalcopyrite, sphalerite and arsenopyrite ± bornite with secondary chalcocite, malachite and azurite.

5) Narrow quartz veinlets, up to five centimetres wide, hosted within quartz monzonite. These veinlets host disseminated chalcopyrite and bornite with residual malachite along the vein selvedges.

Pyrite, chalcopyrite, molybdenite, bornite and wolframite are the dominant minerals of interest, often occurring in fractures and quartz veins found within boulders and talus blocks, and locally within outcrop and subcrop throughout much of the property.

In 2019, a total of 15 rock samples were collected to the south and west of the Main Ridge, in areas where no systematic prospecting had previously been conducted. Rock sample locations are found on Figure 6, while thematic results for copper, gold, silver and molybdenum are illustrated on Figures 7 to 10, respectively. Rock sample descriptions are located in Appendix IV, while Certificates of Analysis are in Appendix V.

All rock sample sites in 2019 were marked with orange or pink 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 analysed for gold by fire assay and inductively coupled plasma-mass spectroscopy finish (Au-ICP21) and for 48 other elements by four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (ME-MS61). Overlimit values were determined for copper, silver and zinc using a four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (Cu/Ag/Zn-OG62).

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); Burrell, (2014); Leitch, (2017) and Willms, (2018).

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

INSET

SEE INSET

PROPERTY BOUNDARY

K291808
K291805
K291807
K291804
K291806
K291809
K291812
K291813
K291814
K291815
K291810
K291811
K291802
K291801
K291803

True North
Grid North 2°28'
Magnetic North 18°36' E
Annual change 21.6' W

646,000
648,000
650,000
652,000
654,000
656,000
658,000
6,824,000
6,822,000
6,820,000
6,818,000

STRATEGIC METALS LTD.

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

2019 ROCK SAMPLE LOCATIONS

MELOY PROPERTY

0 2,000
meters

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

FILE: ..2019/Meloy

DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

INSET A

649,800 649,900 650,000

6,820,400

6,820,300

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

INSET B

652,000 654,000 656,000

650,000

6,824,000

6,822,000

6,820,000

6,818,000

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

INSET B

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

INSET A

PROPERTY BOUNDARY

646,000 648,000 650,000 652,000 654,000

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

2019 DDH

Historical DDH

STRATEGIC METALS LTD.

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER ROCK GEOCHEMISTRY

MELOY PROPERTY

0 200 meters

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

FILE: ../2019\Meloy | DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

INSET A

649,800 649,900 650,000

6,820,400

6,820,300

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

INSET B

652,000 654,000 656,000

650,000

6,824,000 6,822,000 6,820,000 6,818,000

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

INSET B

646,000 648,000 650,000 652,000 654,000

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

INSET A

PROPERTY BOUNDARY

Rock Au (g/t)

- 0.2 to 3.07
- 0.1 to 0.2
- 0.05 to 0.1
- 0.02 to 0.05
- 0 to 0.02

2017 chip samples Au (g/t)

- 0.2 to 3.07
- 0.1 to 0.2
- 0.05 to 0.1
- 0.02 to 0.05
- 0 to 0.02

2019 DDH

Historical DDH

STRATEGIC METALS LTD.

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD ROCK GEOCHEMISTRY

MELOY PROPERTY

0 200 meters

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

FILE: ../2019\Meloy | DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

INSET A

649,800 649,900 650,000

6,820,400

6,820,300

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

INSET B

652,000 654,000 656,000

650,000

6,824,000

6,822,000

6,820,000

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

INSET B

646,000 648,000 650,000 652,000 654,000

650,000

6,820,000

6,818,000

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

INSET A

PROPERTY BOUNDARY

Rock Mo (ppm)

200	to	39,400
100	to	200
50	to	100
20	to	50
0	to	20

2017 chip samples Mo (ppm)

200	to	39,400
100	to	200
50	to	100
20	to	50
0	to	20

2019 DDH

Historical DDH

STRATEGIC METALS LTD.

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MOLYBDENUM ROCK GEOCHEMISTRY

MELOY PROPERTY

0 200 meters

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

FILE: ../2019 DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

INSET A

TR-14-03

TR-14-02

TR-14-01

649,800

649,900

650,000

6,820,400

6,820,300

INSET B

TR-14-03

TR-14-02

TR-14-01

TR-14-04

652,000

654,000

656,000

650,000

6,824,000

6,822,000

6,820,000

6,818,000

INSET B

TR-14-03

TR-14-02

TR-14-01

TR-14-04

INSET A

PROPERTY BOUNDARY

646,000

648,000

650,000

652,000

654,000

Rock Ag (g/t)

- 50 to 825
- 20 to 50
- 10 to 20
- 5 to 10
- 2 to 5
- 0 to 2

2017 chip samples Ag (g/t)

- 50 to 825
- 20 to 50
- 10 to 20
- 5 to 10
- 2 to 5
- 0 to 2

- 2019 DDH
- Historical DDH

STRATEGIC METALS LTD.

FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER ROCK GEOCHEMISTRY

MELOY PROPERTY

0 200

meters

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

FILE: ../2019\Meloy | DATE: March 2020

Table II – Anomalous Rock Thresholds

Element	Weak (ppm)		Moderate (ppm)		Strong (ppm)	Historical Peak (ppm)	2019 Peak (ppm)
Copper	>200	≤500	>500	≤1000	>1000	121,500*	49,600
Gold	>0.2	≤0.5	>0.5	≤1.0	>1.0	1.31	3.07
Silver	>5	≤10	>10	≤20	>20	825	320
Molybdenum	>50	≤100	>100	≤500	>500	39,400	3590
Tungsten	>100	≤200	>200	≤500	>500	35,100	3840
Tin	>100	≤200	>200	≤500	>500	1950	>500**
Zinc	>500	≤1000	>1000	≤2000	>2000	10,010*	24,400

* Overlimit analyses for copper and zinc were not performed in 2010.
** Overlimit analyses for tin were not performed in 2019

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 granodiorite. Veining hosted in 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, greater than 500 ppm tin and 2140 ppm arsenic.

Hand trenching and chip sampling conducted on the Main Ridge in 2017 identified strongly mineralized quartz veining within densely fractured and rusty weathering 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 was heavily mineralized with bornite, chalcopyrite and encrusting malachite, graded 4.47% copper, 0.208 g/t gold and 296 g/t silver over a 10 m length. 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 usually oxidized at surface and, where present, sulphide minerals are normally encapsulated in quartz. Chalcopyrite also appears as minor disseminations in 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 ±molybdenite 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 2.54 % copper, 294 g/t silver, 18,550 ppm molybdenum and 2040 ppm tungsten.

South Cirque

The South Cirque is located approximately 650 m to the south of the Main Cirque, and makes up part of the southern slopes of the Main Ridge. The South Cirque area contains granodiorite talus and boulders, and isolated bedrock exposures. No prospecting was done in the area prior to 2019, when six rock samples were collected. Yellow weathered quartz vein float hosting coarse molybdenite rosettes was discovered along the western wall of the cirque, at roughly 1900 m elevation. A sample from this float returned 3.07 g/t gold, 14.35 g/t silver and 3590 ppm molybdenum. In the northern part of the cirque, from 1985 to 2050 m elevation, two distinct types of quartz vein float were discovered.

1) The first type of quartz float hosts rusty weathered semi-massive chalcopyrite and minor pyrite. Samples of this float returned up to 4.96% copper, 134 g/t silver and 1120 ppm zinc.

2) The second type of quartz float hosts chalcopyrite, pyrite, arsenopyrite, bornite and minor wolframite. This float was traced to an in-situ vein exposure approximately 100 m to the east. The vein, which can be intermittently traced for 20 m before being obscured by talus, is 20 cm wide and trends 165° and dips 75° to the east. The best rock sample from this vein returned 1.46 % copper, 0.294 g/t gold, 136 g/t silver, 3400 ppm zinc, 830 ppm tungsten and greater than 10,000 ppm arsenic.

Similar polymetallic veins associated with recessive linears related to north-trending dykes were also discovered approximately 1.2 km to the southwest of the South Cirque.

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 of gold and molybdenum from a silicified diabase dyke. In 2018, seven rock samples were collected from around the North Cirque. Samples of quartz veining found along the selvedges of 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 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 granite porphyry stock. Quartz flooding, chlorite and druse quartz are common near mineralization. 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, 2160 ppm zinc and greater than 10,000 ppm arsenic.

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 III.

Table III – 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

Thematic results from all work programs for copper are illustrated on Figure 11, while results for gold, molybdenum and silver are located on Figures 12 to 14 respectively. Soil development is poor in most areas of the property. Hillsides are typically blanked by coarse talus and patches of soil are rare. Most 'soil' samples taken are better characterized as talus fines.

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

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

The Rockslide prospect is marked by anomalous copper, silver, bismuth, arsenic, molybdenum, tungsten, zinc and gold values, which cover a 2000 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 unaltered, 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.

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

6,824,000

6,822,000

6,820,000

6,818,000

6,816,000

646,000

648,000

650,000

652,000

654,000

656,000

TR-14-03

TR-14-02

TR-14-01

TR-14-04

PROPERTY BOUNDARY

Cu-in-soil (ppm)

- 1,000 to 4,520
- 500 to 1,000
- 200 to 500
- 100 to 200
- 50 to 100
- 0 to 50

2019 DDH

Historical DDH

STRATEGIC METALS LTD.

FIGURE 11

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER SOIL GEOCHEMISTRY

MELOY PROPERTY

0 200 meters

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

FILE: ../2019/Meloy

DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

6,824,000

6,822,000

6,820,000

6,818,000

6,816,000

646,000

648,000

650,000

652,000

654,000

656,000

TR-14-02

TR-14-03

TR-14-01

TR-14-04

PROPERTY BOUNDARY

Au-in-soil (ppb)

- 200 to 673
- 100 to 200
- 50 to 100
- 20 to 50
- 10 to 20
- 0 to 10
- 2019 DDH
- Historical DDH

STRATEGIC METALS LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

GOLD SOIL GEOCHEMISTRY

MELOY PROPERTY

0 200 meters

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

FILE: ../2019/Meloy

DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

6,824,000

6,822,000

6,820,000

6,818,000

6,816,000

646,000

648,000

650,000

652,000

654,000

656,000

TR-14-03

TR-14-02

TR-14-01

TR-14-04

PROPERTY BOUNDARY

Mo-in-soil (ppm)

- 200 to 595
- 100 to 200
- 50 to 100
- 20 to 50
- 10 to 20
- 0 to 10
- 2019 DDH
- Historical DDH

STRATEGIC METALS LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MOLYBDENUM SOIL GEOCHEMISTRY

MELOY PROPERTY

0 200

meters

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

FILE: ../2019/Meloy

DATE: March 2020

True North

Grid North 2°28'

Magnetic North 18°35'E

Annual change 21.6' W

6,824,000

6,822,000

6,820,000

6,818,000

6,816,000

646,000

648,000

650,000

652,000

654,000

656,000

TR-14-02

TR-14-03

TR-14-01

TR-14-04

PROPERTY BOUNDARY

Ag-in-soil (ppm)

- 10 to 19
- 5 to 10
- 2 to 5
- 1 to 2
- 0.5 to 1
- 0 to 0.5

2019 DDH

Historical DDH

STRATEGIC METALS LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SILVER SOIL GEOCHEMISTRY

MELOY PROPERTY

0 200

meters

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

FILE: ../2019/Meloy

DATE: March 2020

GEOPHYSICS

In 2010, Strategic Metals contracted New-Sense Geophysics to conduct airborne magnetic and spectrometric surveys over the core of the Meloy property. The full report from this survey can be found in Smith, 2011. Interpretation of the data was completed by Condor Consulting.

A total of 293 line kilometres were flown over the Meloy property in a north-south direction with east-west tie line. Lines were flown 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 granodiorite, while the magnetic low along Alaskite Creek is in an area of granodiorite belonging to the Long Lake suite. Figure 15 illustrates total field magnetics along with linear magnetic highs interpreted by Condor Consulting.

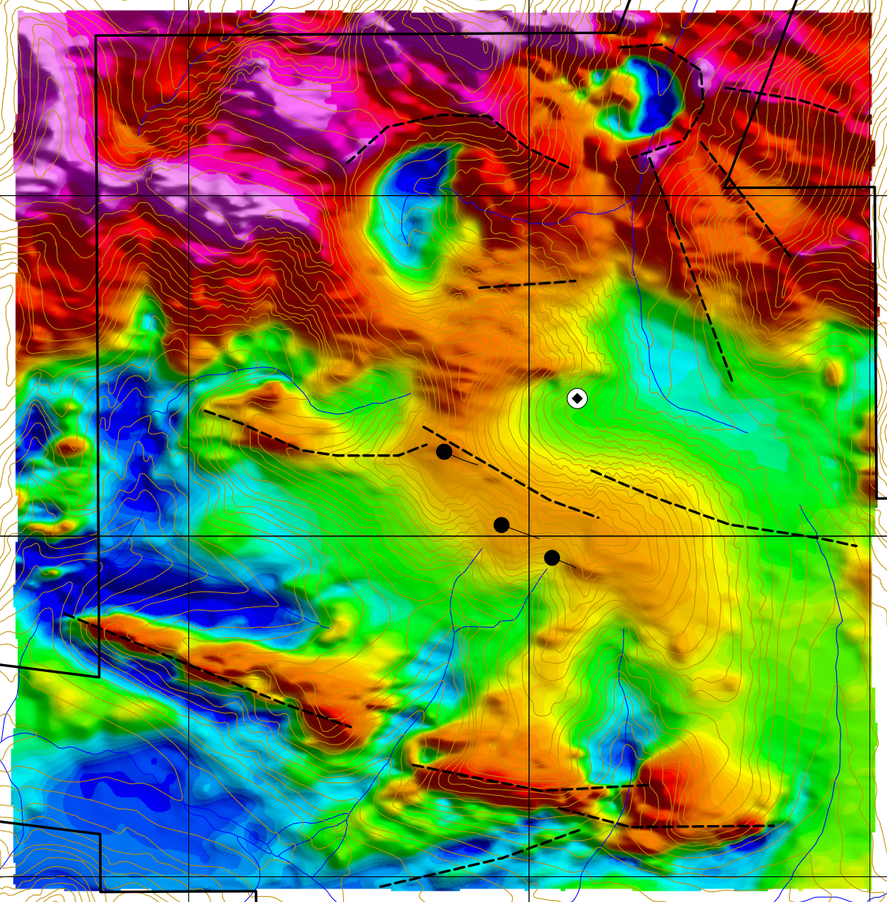
Spectrometric surveys outlined a 2800 by 2500 m, circular Potassium and Thorium high in the central part of the property. This anomaly encompasses the Main Cirque, Main Ridge, and South Cirque areas, and likely represents the outline of granodiorite and quartz monzonite stocks, which is reflected in the overall surface geology. Figures 16 and 17 illustrate Potassium (K) and Thorium (Th) data.

DIAMOND DRILLING

Prior to the 2019 work program, four diamond drill holes had been completed on the property. In 1970 and 1971, three holes (457.7 m) were drilled at the Rockslide occurrence and a single shallow drill hole (66.7 m) was drilled on the floor of the Main Cirque. Limited sampling was done on these holes, which returned weakly anomalous values for copper and molybdenum.

In 2019, a total of 953.72 m of diamond drilling was done in four holes on the property. The first hole was lost due to permafrost freezing the rods into the ground. All the holes were designed to test for porphyry mineralization to the south and west of the Main Ridge, where highly elevated copper-in-soil, and copper-, molybdenum- and gold-in-trench values have been identified within granodiorite.

Diamond drilling was performed by Superior Diamond Drilling Inc. with a helicopter portable, wireline equipped D-II diamond drill using NQ2 equipment. The drill pads were built by hand using talus boulders, and where necessary, timbers that were flown to the property. Drill hole locations are shown on Figure 18, while the 2019 diamond drill hole cross sections are shown on Figure 19. Key data concerning the 2019 drill holes are shown on Table IV.



646,000
648,000
650,000
652,000
654,000
656,000
658,000
6,824,000
6,822,000
6,820,000
6,818,000

True North
Grid North
2°30'
Magnetic North
18°38' E
Annual change 21.6' W

PROPERTY BOUNDARY

2019 DDH
Historical DDH
Interpreted lineaments

TMI
(nT)
56863.055 56887.513 56902.049 56911.297 56923.862 56948.373 57014.796 57125.507

STRATEGIC METALS LTD.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TOTAL MAGNETIC INTENSITY

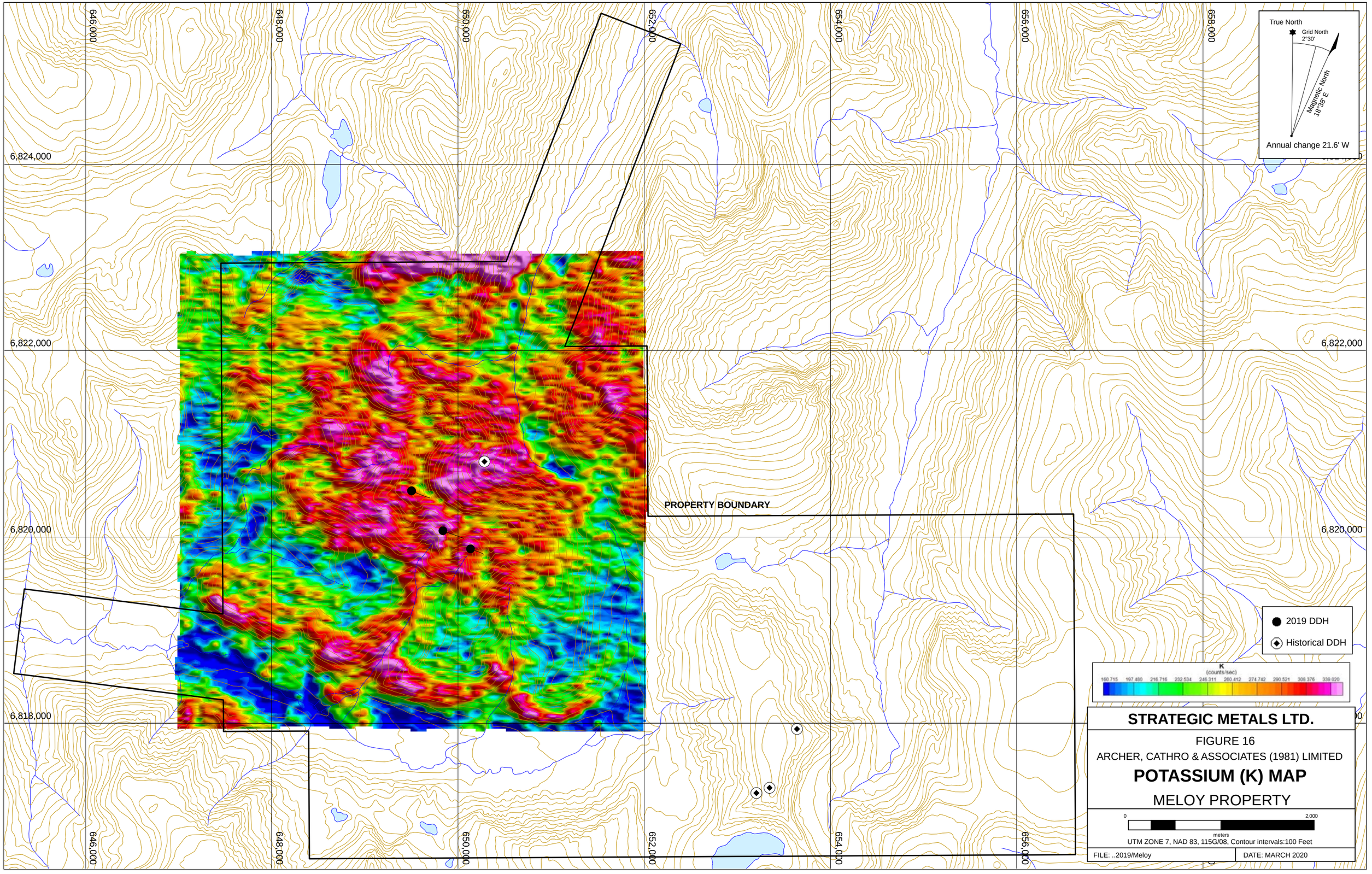
MELOY PROPERTY

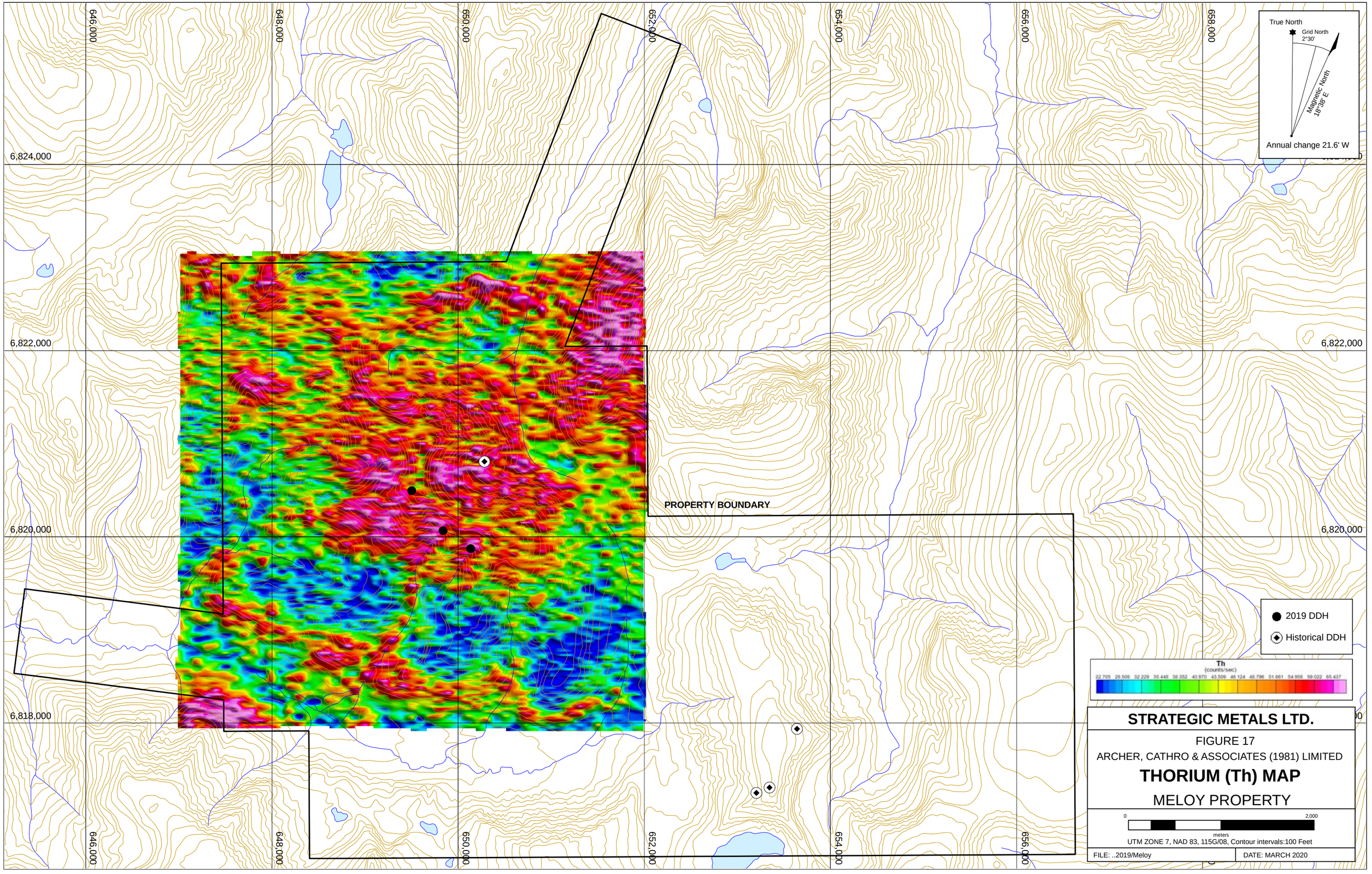
0 2,000
meters

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

FILE: ..2019/Meloy

DATE: MARCH 2020


646,000
648,000
650,000
652,000
654,000
656,000
658,000
6,824,000
6,822,000
6,820,000
6,818,000
True North
Grid North
2°30'
Magnetic North
18°38' E
Annual change 21.6' W
PROPERTY BOUNDARY
2019 DDH
Historical DDH
K
(counts/sec)
160.715 197.480 216.716 232.534 246.311 260.412 274.742 290.521 308.376 339.020
STRATEGIC METALS LTD.
FIGURE 16
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
POTASSIUM (K) MAP
MELOY PROPERTY
0
2,000
meters
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet
FILE: ..2019/Meloy
DATE: MARCH 2020


646,000
648,000
650,000
652,000
654,000
656,000
658,000
6,824,000
6,822,000
6,820,000
6,818,000
True North
Grid North
2°30'
Magnetic North
18°38' E
Annual change 21.6' W
PROPERTY BOUNDARY
2019 DDH
Historical DDH
Th
(counts/sec)
22.705 28.506 32.229 35.448 38.352 40.970 43.509 46.124 48.796 51.661 54.958 59.022 65.437
STRATEGIC METALS LTD.
FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
THORIUM (Th) MAP
MELOY PROPERTY
0
2,000
meters
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet
FILE: ..2019/Meloy
DATE: MARCH 2020

INSET

MY-19-001A
MY-19-001
12.8 m
330.71 m
MY-19-002
367.59 m
MY-19-003
242.62 m

0 500
meters

True North
Grid North
2°28'
Magnetic North
18°38' E
Annual change 21.6' W

NORTH CIRQUE
NORTH PEAK
SEE INSET
CENTRAL PEAK
MAIN CIRQUE
SOUTH PEAK
SOUTH CIRQUE
ROCKSLIDE CREEK
PLASTER RIDGE
TALBOT CIRQUE
ZIMMER TARN

645,000
647,500
650,000
652,500
655,000
6,825,000
6,822,500
6,820,000
6,817,500

2019 diamond drill hole
Historical diamond drill hole
Bulldozer trail

STRATEGIC METALS LTD.

FIGURE 18
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DIAMOND DRILL HOLE LOCATIONS
MELOY PROPERTY

0 2,000
meters
UTM ZONE 7, NAD 83, 115G/08, Contour intervals:100 Feet

FILE: ..2019/Meloy | DATE: March 2020

Table IV – 2019 Diamond Drill Hole Data

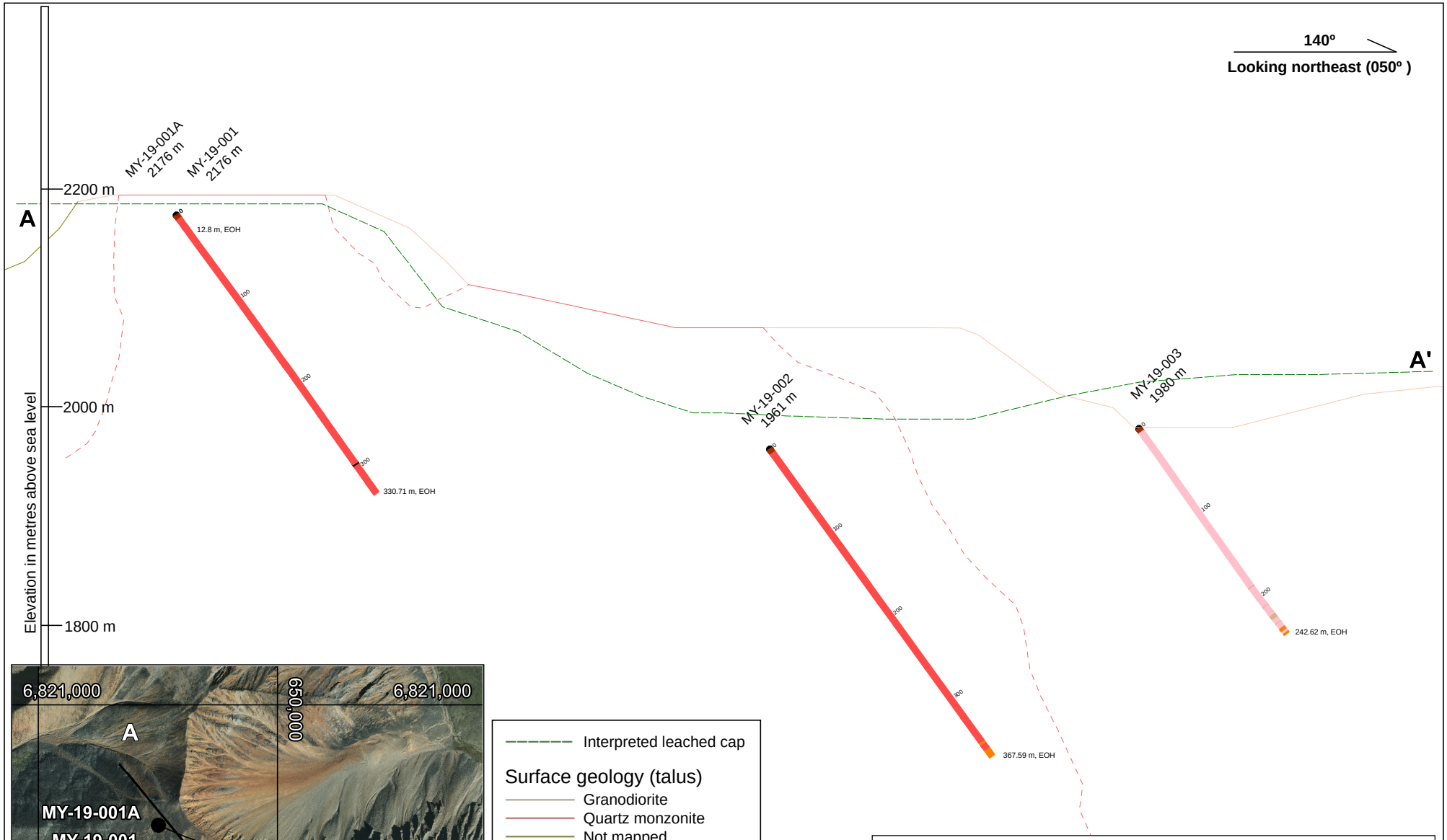
Hole	Easting (m)	Northing (m)	Elevation (m)	Azimuth	Dip	Depth (m)
MY-19-001A	649502	6820495	2176	110°	50°	12.8
MY-19-001	649502	6820495	2176	110°	50°	330.71
MY-19-002	649838	6820066	1961	110°	50°	367.59
MY-19-003	650135	6819872	1980	110°	50°	242.62

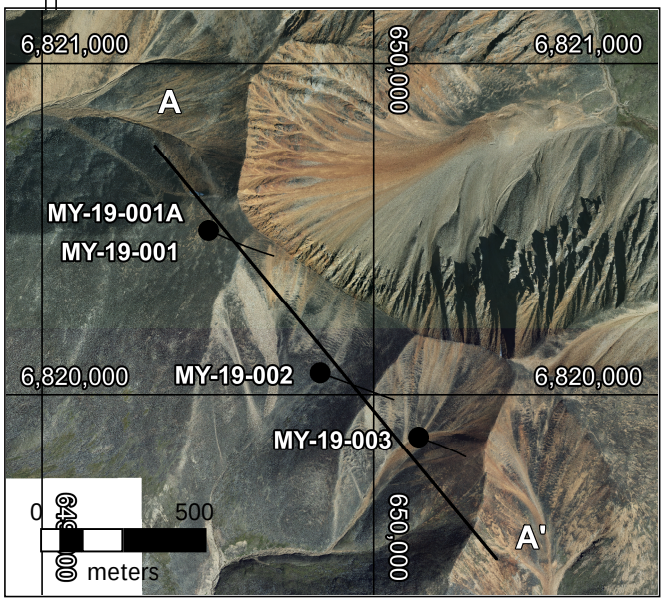
Drill core was flown from the property to the Burwash Airstrip and then transported to the Archer Cathro office, where it was logged, processed and stored. Holes MY-19-001 and MY-19-003 were sampled from top to bottom. The core was split with one-half bagged and sent for analysis and the other half returned to the core boxes. Certificates of Analysis are located in Appendix V, while Geological and Geotechnical Logs are located in Appendix VI. Holes MY-19-001A and MY-19-002 were not sampled. Drill core was processed in batches of up to 40 samples, with each batch including two standard, one blank, one duplicate and one coarse reject duplicate samples. All core samples were sent to ALS Minerals in Whitehorse, where they were crushed to 70% passing 2 mm before a 250 g split was pulverized to 85% passing 70 microns. Splits of the pulverized fractions were then sent to ALS Minerals in North Vancouver, where they were analyzed for 48 elements using four acid digestion followed by inductively coupled plasma-atomic emission spectroscopy (ME-MS61). An additional 30 g charge was further analyzed for gold by fire assay with inductively coupled plasma and atomic emission spectroscopy finish (Au-ICP21).

Hole **MY-19-001A** was collared 150 m to the west of the Main Ridge. It intersected a previously unmapped unit of fine grained Ruby Range quartz monzonite containing sporadic quartz veinlets and stringers. Due to permafrost freezing the drill rods, the hole had to be abandoned at a shallow depth.

Hole **MY-19-001** was collared immediately adjacent to MY-19-001A. It cut fine grained quartz monzonite with localized fine grained aplite and mafic dykes, up to 10 cm wide. Pegmatitic quartz-feldspar patches, up to 5 cm wide, were observed within the quartz monzonite. Based on surface mapping and assuming a steep contact, the hole was expected to pass out of quartz monzonite and into granodiorite at a depth of approximately 150 m; however, the quartz monzonite continued for the length of the hole. Fractures occurred at a density of three to five per linear metre and exhibited pervasive rusty oxidation along wallrock, starting from surface for entire length of the hole. The hole intersected varying densities of weakly mineralized grey quartz veinlets, which ranged from 1 mm to 3 cm wide, throughout the hole. Bands of disseminated molybdenite and chalcopyrite were observed within hairline quartz stringers and veinlets throughout the length of the hole. A widespread interval of molybdenite-bearing quartz veinlets graded 198 ppm molybdenum over 105.16 m, starting from surface.

Hole **MY-19-002** was collared approximately 550 m to the southeast of MY-19-001. It encountered quartz monzonite with sporadic pegmatitic quartz-feldspar patches (up to 15 cm wide). Based on nearby talus, this hole was expected to cross into granodiorite approximately 20 m below surface, but again quartz monzonite was the primary rock type for the entire length of the hole. Scattered grains of coarse biotite, rimmed by rusty oxidation were observed, increasing with depth. This biotite was locally altered to chlorite, and hosts occasional pyrrhotite. Towards





Interpreted leached cap

Surface geology (talus)
- Granodiorite
- Quartz monzonite
- Not mapped
- Inferred contact

Drillhole geology
- Overburden
- Granodiorite
- Quartz monzonite
- Granite
- Aplite dyke
- Fault

STRATEGIC METALS LTD.

FIGURE 19

2019 DIAMOND DRILL HOLE CROSS SECTION

MELOY PROPERTY

50 m section envelope

0 400

meters

FILE: ..2019/Meloy

DATE: March 2020

the bottom of the hole, fine-grained quartz monzonite intermittently alternates with bands of coarse grained, foliated, biotite rich granite, up to 9 m wide. The hole ended in this granitic phase. Aplite dykes and quartz veining were notably less frequent and only minor amounts of sporadic disseminated molybdenite and chalcopyrite were observed. A total of six different types of quartz veinlets were identified: 1) grey quartz; 2) quartz-biotite; 3) quartz-chlorite; 4) grey quartz hosting molybdenite (rare); 5) vuggy banded quartz; and 6) quartz-carbonate. All of these vein types were dominantly unmineralized. No samples were submitted for assay from this hole.

Hole **MY-19-003** was collared approximately 350 m to the southeast of MY-19-002, outside of mapped quartz monzonite talus. The hole intersected the target granodiorite, which was cut by aplite dykes throughout the hole, and was ended shortly after intersecting the same biotite-rich, foliated granitic phase seen in MY-19-002. Fractures and joints had pervasive rusty oxidized halos, up to 10 m wide, which were observed for the entire length of the hole. Quartz veinlets and stockwork veining was present throughout, but were only locally mineralized. Four different types of veins were observed: 1) quartz-biotite stringers; 2) grey quartz; 3) quartz-carbonate; 4) biotite-chlorite. Fine grained molybdenite occurs with biotite quartz veins, which are not observed at surface. Results did not return elevated values for any elements of interest.

DISCUSSION AND CONCLUSIONS

The Meloy property covers a large copper, molybdenum ± gold porphyry target and associated vein hosted silver, copper, molybdenum, tungsten, tin and zinc ± gold mineralization that may be analogous to a mixed porphyry-epithermal system. Strongly anomalous rock and soil values for copper, silver, molybdenum, tungsten, tin, zinc and arsenic have been obtained from samples taken across the property, along with locally elevated gold values. Mineralization is best developed within fractures, quartz veins, veinlets and stockwork, and mafic dykes cutting Ruby Range granodiorite. Narrow mineralized veinlets are also found within hypabyssal quartz monzonite that is presumed to be the latest phase of the Ruby Range stock.

Mineralization is typically associated with northerly-trending, steeply dipping linears, which are apparent along the Main Ridge and in other parts of the property. The extent and average grade of mineralization is difficult to determine because of extensive talus cover along slopes and strong surficial weathering. Metal leaching may have occurred in highly fractured and weathered areas, especially along ridge tops, which are believed to have been nunatuks during the latest glacial event. Peneplain topography undoubtedly contributes to the overall effects of weathering and metal leaching, but the extent of these effects is unknown.

Geological mapping in 2019 was conducted on slopes and ridges to the south and west of the Main Ridge. This mapping delineated quartz monzonite over an 800 by 250 m area, while aerial photography suggests quartz monzonite talus and boulders cover a larger area. Areas to the south and west of this unit are dominated by unaltered granodiorite. Magnetite veining and stockwork ‘A-type’ veining was locally observed along a creek bed to the south, and in talus to the west of the Main Ridge, respectively.

Prospecting in 2019 discovered vein hosted mineralization over a 2100 by 1800 m area, located to the southwest of the Main Ridge. Quartz veins exhibiting banded, and locally vuggy, comb and sugary textures, and returned strongly elevated values for arsenic, antimony and zinc, which are characteristic of higher-level quartz veins in porphyry-epithermal transition systems.

Diamond drilling in 2019 was designed to target porphyry mineralization within Ruby Range granodiorite on the southern slopes of the Main Ridge. Two of the three drill holes intersected a younger phase of quartz monzonite, while the third hole intersected the target granodiorite. Quartz veinlets and stockwork veining were present in varying densities across all three holes. These holes highlighted weakly anomalous results for molybdenum within quartz monzonite, but failed to adequately evaluate the mineralization potential in the granodiorite unit around the Main Cirque, which is known to carry widespread copper and molybdenum mineralization.

The presence of a hypabyssal quartz monzonite unit adds an important component to the geology of the area, because the emplacement of a younger intrusive phase is critical to the formation of porphyry deposits and associated vein systems. Results from surface work and diamond drilling suggests that high-grade silver, copper, molybdenum, tungsten, tin and zinc ± gold mineralization around the Main Ridge likely represents the upper portions of an epithermal to porphyry transition. Deeper diamond drilling away from the quartz monzonite will be required to properly evaluate the porphyry potential in future programs.

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

1) Additional geological mapping and prospecting in the areas outside of the Main Cirque, specifically to the south and west. The objective of this work should be to further constrain different intrusive phases, identify areas of intense fracturing and veining, and vector into richer portions of the epithermal to porphyry system.

2) Additional diamond drilling should be conducted to evaluate widespread porphyry potential. Diamond drilling should be conducted from lower elevations or valley bottoms, where there is up to 650 m of topographic relief relative to the Main Ridge, in order to effectively target a deeper porphyry system.

3) Induced Polarization surveys should be considered at the Main Ridge and Rockslide areas to assess depth of weathering, sulphide distribution and alteration zonation. The effectiveness of this survey, however, could be limited given abundant talus and boulder cover on the property.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



K. Willms, B.Sc., GIT

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 2017 with a B.Sc in Earth and Environmental Sciences.

2. From 2015 to present, I have been actively engaged in mineral exploration in the Yukon Territory and British Columbia.

3. I am registered and active as a geologist in training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).

4. I have interpreted all data resulting from work described in this report.



K.Willms, B.Sc., GIT.

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
Meloy Property
January 30, 2020

Expenses	
Superior Diamond Drilling	$ 185,022.99
Total 2019 Drilling Expenditures	$ 185,022.99

APPENDIX III

2019 PETROGRAPHIC REPORT

Vancouver Petrographics Ltd.
8080 GLOVER ROAD, LANGLEY, B.C., V1M 3S3
PHONE (604) 888-1323 • FAX (604) 888-3642
email: vanpetro@vanpetro.com
website: www.vanpetro.com

Report 190265 for:
Jack Morton,
Archer Cathro & Associates (1981), Ltd.,
41 MacDonald Road,
Whitehorse, Yukon, Y1A 4R1 **July 2019**
tel: 867-667-4415
JMorton@archercathro.com

Project: Meloy

Sample: MY-19-01 71.22-71.27

Summary:

Sample MY-19-01 71.22-71.27 is of fine to locally medium grained quartz monzonite that is dominated by K-feldspar and quartz, with lesser plagioclase, accessory biotite (in part altered to pseudomorphic chlorite-[ilmenite]), and with scattered patches of sulphides, including chalcopyrite, pyrrhotite, and lesser pyrite and sphalerite (with blebby inclusions of chalcopyrite).

Photographic Notes:

The scanned section shows the gross textural features of the sections; these features are seen much better on the digital image than on the printed image. For the photographs, sample numbers are shown in the upper left corner, photo numbers are shown in the lower left corner, and the letter in the lower right corner indicates the lighting conditions: incident light in crossed nicols (= X); reflected light in nearly crossed nicols and incident light in crossed nicols (= RX). Locations of photographs are shown on the scanned section. Descriptions of the photographs are at the end of the report.

John G. Payne, Ph.D., P.Geol.
Tel: (604)-597-1080
email: jppayne@telus.net

Sample MY-19-01 71.22-71.27 Hypabyssal Quartz Monzonite

The sample is of fine to locally medium grained quartz monzonite that is dominated by K-feldspar and quartz, with lesser plagioclase, accessory biotite (in part altered to pseudomorphic chlorite-[ilmenite]), and with scattered patches of sulphides, including chalcopyrite, pyrrhotite, and lesser pyrite and sphalerite (with blebby inclusions of chalcopyrite).

mineral	**percentage**	**main grain size range (mm)**	
K-feldspar	50-55%	0.5-1	(a few up to 1.5 mm)
plagioclase	15-17	0.1-0.5	(a few up to 1 mm)
quartz	30-35	0.1-0.5	(a few up to 1 mm)
biotite	1.5-2	0.1-0.3	(locally up to 1 mm long)
chalcopyrite	0.1	0.05-0.2	(a few 0.3-0.45 mm long)
pyrrhotite	0.1	0.02-0.05	
pyrite	minor	0.05-0.1	
sphalerite	minor	0.1-0.2	
rutile	trace	0.05-0.07	
magnetite	trace	0.07	
allanite	trace	0.1	

K-feldspar (commonly slightly perthitic) forms anhedral to subhedral prismatic grains, a few of which show simple Carlsbad twins. Grains contain moderately abundant dusty opaque/semi-opaque (probably hematite).

Quartz forms anhedral grains interstitial to feldspars; many larger quartz grains contain a few to several inclusions of anhedral feldspars (0.1-0.2 mm).

Plagioclase forms anhedral equant to subhedral prismatic grains that were altered slightly to dusty semi-opaque/hematite and locally to sericite. A few large grains show concentric growth zoning from broad cores of oligoclase to thin rims of albite/oligoclase.

Biotite forms disseminated equant to very elongate flakes and a few clusters of a few flakes with pleochroism from light to dark brown or to medium orangish brown. A few very slender flakes are up to 1 mm long. Several equant grains were altered slightly to completely to pseudomorphic chlorite and lenses of ilmenite/Ti-oxide.

Chalcopyrite, locally with minor pyrrhotite, forms disseminated equant to elongate grains.

Pyrrhotite forms disseminated grains and a few ragged clusters of grains.

Pyrite forms scattered subhedral grains, in part associated with biotite.

Sphalerite forms a few grains with 3-5% disseminated blebby inclusions of chalcopyrite (0.005-0.007 mm). Some of these are adjacent to chalcopyrite grains and some are adjacent to pyrite grains.

Rutile forms scattered anhedral equant grains.

Magnetite forms a subhedral equant grain.

Allanite forms one equant subhedral grain with pleochroism from light to medium reddish brown.

List of Photographs

Photo	Section	Description
01	MY-19-01 71.22-71.27	plagioclase (large grain zoned slightly from oligoclase core to albite/oligoclase rim; smaller grains unzoned and altered slightly to dusty semi-opaque/opaque), quartz (large grains contain irregular feldspar inclusions), lesser K-feldspar, and accessory biotite (altered slightly to pseudomorphic muscovite); one patch of chalcopyrite with minor pyrrhotite.
02	MY-19-01 71.22-71.27	intergrowth of K-feldspar (altered slightly to moderately to dusty semi-opaque quartz, and plagioclase (altered slightly to dusty semi-opaque/ opaque), with a slender grain of fresh biotite and an irregular, more equant grain of biotite (altered completely to pseudomorphic chlorite and patches of ilmenite); patch of chalcopyrite with lesser pyrrhotite and sphalerite (with minor sub-micron-sized blebs of chalcopyrite).

190265 ac block



190265 ac section



MY-19-01
71.22-71.27

pl (zoned)

pl qz

pl pl

pl bi pl

Kf Kf qz pl qz

pl Kf qz Kf

bi Kf Kf

pl pl

bi Kf pl

pl pl pl

cp Kf qz

pl bi Kf

pl qz

pl qz pl

qz Kf pl

0.5 mm

01

X

MY-19-01
71.22-71.27

Kf
Kf
Kf
qz
pl
Kf
pl
Kf
qz
Kf
Kf
pl
Kf
pl
Kf
pl
Kf
Kf
qz
pl
Kf
qz
Kf
Kf
pl
qz
br
Kf
cp
sl
qz
cl
po
pl
Kf
Kf
qz
bi
qz
pl
pl
bi
qz
Kf
pl
qz
pl
0.5 mm
02
RX

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Property: Meloy

Sample Number:	K290801	Date Collected:	6/20/2019	UTM:	649017	mE	Nad83, Zone 7
Elevation:	1761 m	Sampler:	Kelson Willms	UTM:	6818914	mN	

Comments: 2-8cm quartz vein cutting GRD. Vein found as float train but located in gully that is likely the recessive in-situ source. Hosts disseminated pyrite, arsenopyrite, chalcopyrite +-galena and malachite stain. Sphalerite may be present(?). Minor scorodite weathering and limonite present along fractures. Diabase dykes nearby.

Sample Number:	K291802	Date Collected:	6/29/2019	UTM:	648784	mE	Nad83, Zone 7
Elevation:	1741 m	Sampler:	Kelson Willms	UTM:	6819022	mN	

Comments: 10-15 cm vein zone cutting coarse GRD. Multiple splays in vein, up to 1cm. Strong surficial oxidation along veining area with minor malachite. Vein hosts trace pyrite, arsenopyrite and galena.

Sample Number:	K291803	Date Collected:	6/29/2019	UTM:	648951	mE	Nad83, Zone 7
Elevation:	1750 m	Sampler:	Kelson Willms	UTM:	6818872	mN	

Comments: similar vein as K291801, 802.

Sample Number:	K291804	Date Collected:	7/3/2019	UTM:	649617	mE	Nad83, Zone 7
Elevation:	2202 m	Sampler:	Kelson Willms	UTM:	6820759	mN	

Comments: flat lying, 5-10cm quartz vein cutting orange weathered GRD. Quartz vein has bifurcating quartz splays. Displays intense euhedral/drusy textures and quartz ranges from clear to smokey. Disseminated pyrite, galena and malachite staining present towards selvedges. Lack of in situ outcrop, but vein appears flat lying(?). Acicular, black needle like mineral (wolframite?) and scorodite present. Green alteration halo along vein selvedges.

Sample Number:	K291805	Date Collected:	7/3/2019	UTM:	649506	mE	Nad83, Zone 7
Elevation:	2175 m	Sampler:	Kelson Willms	UTM:	6821089	mN	

Comments: quartz vein hosted in coarse GRD talus along ridgeline. Vein material seems to source from nearby. Small euhedreal/drusy stringers of quartz with strong limonite infill within cavities. Minor arsenopyrite, malachite, chalcopyrite present. Deep green alteration halo. Small black stringers cut quartz vein (unknown)

Rock Sample Descriptions Property: Meloy

Sample Number:	K291806	Date Collected:	7/4/2019	UTM:	648826	mE	Nad83, Zone 7
Elevation:	1955 m	Sampler:	Kelson Willms	UTM:	6820487	mN	

Comments: Green diabase dyke (slightly porphyrytic clasts within?) hosting surficial and fracture filled malachite/azurite. Quartz veining in dyke zone up 2-15cm wide. Euhedreal/drusy quartz textures. Immense limonite staining with abundant malachite.

Sample Number:	K291807	Date Collected:	7/4/2019	UTM:	648699	mE	Nad83, Zone 7
Elevation:	1772 m	Sampler:	Kelson Willms	UTM:	6820800	mN	

Comments: orange weathered GRD in creek. Patchy zones of immense manganese stain (deep purple hue) locally altering GRD. Hosts disseminated pyrite in proximity to more mafic mineral content. Seems like fracture controlled weathering(?)

Sample Number:	K291808	Date Collected:	7/4/2019	UTM:	648926	mE	Nad83, Zone 7
Elevation:	1899 m	Sampler:	Kelson Willms	UTM:	6821195	mN	

Comments: 2m chip sample across coarse GRD. GRD has dense fracture spacing that trends 165/85 and is highly oxidized. Sample taken across most densely packed fracture area (5-8cm spacing)

Sample Number:	K291809	Date Collected:	7/9/2019	UTM:	649740	mE	Nad83, Zone 7
Elevation:	2113 m	Sampler:	Kelson Willms	UTM:	6820334	mN	

Comments: medium grey, fine grained Granite subcrop in boulder fensenmeer field. Overall rock appears unaltered. Quartz veining has dark alteration halos (biotite?), up to 4cm wide around veining. Narrow quartz veins cut granite with fine drusy textures. Veins host bornite, malachite, azurite/covellite, chalcopyrite. Veins are steeply dipping. ~5 veins (up to 1.5-2cm width) occur across ~10m area. Nearby coarse GRD has deep black biotite alteration halos around quartz. Vein trendy ~~190/80

Sample Number:	K291810	Date Collected:	7/12/2019	UTM:	649906	mE	Nad83, Zone 7
Elevation:	1907 m	Sampler:	Kelson Willms	UTM:	6819762	mN	

Comments: GRD shelf amongst talus in cirque along side of ridgeline. Milky white quartz vein (barren) present with green altered halo. Single piece of altered GRD with orange/purple weathered quartz that hosts disseminated moly.

Rock Sample Descriptions Property: Meloy

Sample Number:	K291811	Date Collected:	7/12/2019	UTM:	649917 mE	Nad83, Zone 7
Elevation:	1898 m	Sampler:	Kelson Willms	UTM:	6819755 mN	

Comments: GRD boulderfield talus slope (cirque). Boulders of rusty orange/yellow altered quartz veining cuts coarse GRD. Veins host up to 20% molybdenum in rosettes and blebs. Light green alteration around quartz veining, with halo up to 5cm along either selvedge. No other sulphides present (exclusively moly). Veins have distinct mottled/oxidized/weathered surface texture. Outcrop source very close. Veining confined to 5x7m area.

Sample Number:	K291812	Date Collected:	7/14/2019	UTM:	650177 mE	Nad83, Zone 7
Elevation:	1985 m	Sampler:	Kelson Willms	UTM:	6819874 mN	

Comments: Boulders of quartz vein found within coarse GRD (veins cut GRD). Up to 8-10cm wide with green alteration halos and euhedrea/drusy centre line along vein. Malachite encrusted, with disseminated sulphides up to blebby and semi massive chalcopyrite, pyrite, arsenopyrite.

Sample Number:	K291813	Date Collected:	7/14/2019	UTM:	650177 mE	Nad83, Zone 7
Elevation:	1985 m	Sampler:	Kelson Willms	UTM:	6819874 mN	

Comments: Boulders of quartz vein found within coarse GRD (veins cut GRD). Up to 8-10cm wide with green alteration halos and euhedrea/drusy centre line along vein. Malachite encrusted, with disseminated sulphides up to blebby and semi massive chalcopyrite, pyrite, arsenopyrite.

Sample Number:	K291814	Date Collected:	7/15/2019	UTM:	650286 mE	Nad83, Zone 7
Elevation:	2057 m	Sampler:	Kelson Willms	UTM:	6819872 mN	

Comments: outcrop as same vein seen at station KW-19-080. zone of quartz veining, 10-20cm wide within GRD, with red/purple manganese stained/altered GRD. Veins cut 347/77. Vein hosts black bladed wolframite, chalcopyrite, arsenopyrite, bornite, covellite, malachite +- pyrite. Secondary carbonate (?) growth on drusy quartz crystals. Vein traced ~20-25m before lost in talus slope.

Sample Number:	K291815	Date Collected:	7/15/2019	UTM:	650286 mE	Nad83, Zone 7
Elevation:	2067 m	Sampler:	Kelson Willms	UTM:	6819587 mN	

Comments: Continuation of K291815. Vein has noticeably more arsenopyrite content and less chalcopyrite content. Sampled because of mineralogical difference.

APPENDIX V

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE WH19290378

Project: Meloy

P.O. No.: MY19-002

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

Signature:



Saa Traxler, General Manager, North Vancouver

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CERTIFICATE OF ANALYSIS WH19290378

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
B0050501		2.92	0.70	6.58	9.5	870	3.28	2.30	0.52	1.01	62.8	0.9	7	4.45	157.0	1.53
B0050502		2.58	0.45	6.48	7.3	720	6.98	9.09	0.61	1.06	64.5	1.5	5	6.14	120.5	1.96
B0050503		6.93	0.55	6.27	2.0	790	16.20	3.95	0.71	0.40	78.4	1.4	6	6.26	122.5	2.04
B0050504		8.05	0.36	6.22	16.8	920	5.17	5.98	0.78	0.74	74.1	1.4	8	5.67	87.7	1.84
B0050505		7.84	1.01	6.72	28.8	1010	5.38	4.82	0.75	3.21	81.6	1.7	6	5.49	166.5	1.92
B0050506		7.62	0.97	7.31	22.2	700	8.36	7.71	0.87	3.04	77.4	1.7	4	4.53	187.0	2.26
B0050507		7.15	0.44	6.43	4.4	1020	3.79	3.25	0.71	0.50	76.1	1.3	5	4.25	123.5	1.90
B0050508		4.97	0.01	0.09	0.6	20	0.08	0.01	32.8	<0.02	0.94	0.5	1	<0.05	1.1	0.11
B0050509		7.39	0.69	6.53	2.8	1040	4.08	9.67	0.68	1.14	75.0	1.4	9	5.32	168.5	2.04
B0050510		7.19	1.98	6.46	3.7	990	3.54	54.3	0.76	0.94	72.5	1.2	5	6.31	257	1.91
B0050511		7.92	0.60	6.26	1.6	920	4.23	44.1	0.77	0.74	79.6	1.3	8	6.52	99.7	2.02
B0050512		7.78	0.69	6.71	2.3	930	5.61	31.1	0.85	0.44	80.2	1.5	5	5.57	133.0	2.24
B0050513		7.70	0.62	6.77	31.8	970	5.31	9.18	0.83	1.19	80.5	1.4	6	6.63	83.2	2.16
B0050514		7.74	0.20	6.60	9.2	1020	3.95	6.48	0.84	0.60	76.3	1.4	6	5.52	45.1	1.85
B0050515		7.46	0.28	6.30	5.0	990	3.04	20.9	0.77	0.61	73.5	1.3	5	5.33	35.9	1.88
B0050516		3.47	0.29	6.30	4.0	1000	3.07	25.1	0.78	0.66	78.2	1.5	5	5.33	40.6	1.90
B0050517		7.52	0.35	6.67	9.5	1050	3.68	4.80	0.86	1.98	80.6	1.3	5	6.10	65.6	1.92
B0050518		7.99	0.40	6.74	76.3	1020	3.97	13.30	0.87	0.61	83.0	1.5	7	6.48	46.5	2.09
B0050519		7.63	0.29	6.65	9.0	1070	3.37	7.73	0.82	1.41	80.1	1.3	6	5.91	70.1	1.92
B0050520		7.67	0.40	6.58	6.5	1050	3.73	11.40	0.80	0.96	82.1	1.5	6	7.47	98.8	1.86
B0050521		7.36	0.51	6.51	3.4	1050	34.4	19.20	0.81	1.69	77.8	1.4	7	6.90	93.0	1.93
B0050522		7.43	0.36	6.63	3.0	1060	3.89	6.53	0.86	1.91	80.1	1.5	6	5.69	115.0	1.84
B0050523		7.58	0.26	6.67	2.4	1040	3.73	9.04	0.88	0.37	77.6	1.6	6	5.97	80.9	1.95
B0050524		0.10	7.08	4.77	8250	1190	1.62	207	13.30	0.98	412	74.1	45	8.87	3280	8.92
B0050525		7.38	0.25	6.41	3.5	1010	11.70	14.70	0.83	0.37	79.8	1.6	5	10.80	49.4	2.35
B0050526		7.74	0.42	6.33	1.1	960	5.06	13.90	0.84	0.82	75.0	1.4	6	6.36	120.5	2.10
B0050527		7.76	0.42	6.39	5.1	1000	8.26	6.87	0.80	1.30	78.7	1.1	7	5.13	104.0	1.80
B0050528		7.75	0.69	6.17	5.8	980	20.4	16.00	0.77	1.29	73.4	1.3	6	10.60	190.5	2.22
B0050529		0.13	30.8	6.77	151.5	170	0.67	10.45	6.08	36.0	30.4	99.8	115	1.63	6770	9.48
B0050530		7.60	0.41	6.64	5.5	1050	4.10	6.37	0.81	1.13	79.1	1.3	9	6.63	82.0	1.85
B0050531		7.59	0.18	6.62	0.8	1040	4.10	5.38	0.86	0.73	78.3	1.2	6	5.74	57.7	1.86
B0050532		7.88	0.44	6.45	1.4	1020	4.67	18.65	0.82	1.34	74.7	1.2	6	6.84	115.5	2.09
B0050533		7.68	0.34	6.39	3.3	1030	4.37	13.30	0.81	0.43	75.4	1.2	5	5.61	97.5	1.87
B0050534		7.79	0.32	6.48	1.2	1050	4.75	6.09	0.84	0.40	71.5	1.3	5	6.55	73.0	1.97
B0050535		7.47	0.39	5.86	0.2	1030	6.44	5.26	0.71	0.42	70.0	1.3	6	9.42	51.2	2.48
B0050536		<0.02	0.42	5.75	1.1	1020	5.92	5.01	0.71	0.38	70.5	1.4	6	9.65	50.7	2.44
B0050537		7.21	0.26	6.54	0.6	1050	5.34	6.99	0.82	0.98	81.0	1.2	5	6.60	75.0	1.93
B0050538		7.38	0.25	6.61	1.6	1070	5.91	9.74	0.89	0.45	83.6	1.3	6	6.56	64.9	2.04
B0050539		7.89	0.25	6.62	0.2	1080	8.64	14.05	0.86	0.74	77.5	1.2	5	6.24	64.3	1.87
B0050540		8.11	0.31	6.53	1.0	1040	5.27	7.61	0.83	0.97	73.4	1.2	5	7.60	57.4	1.88

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

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Project: Meloy

Finalized Date: 3-DEC-2019
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CERTIFICATE OF ANALYSIS WH19290378

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
B0050501		24.0	0.17	1.7	0.131	3.82	30.2	21.4	0.08	233	3.75	2.63	18.0	0.7	140	22.4
B0050502		25.7	0.16	1.4	0.126	3.13	29.4	40.3	0.12	294	5.23	2.97	20.1	0.6	170	17.6
B0050503		23.9	0.16	1.1	0.124	2.85	36.6	51.3	0.12	316	4.87	2.73	18.8	0.7	180	21.8
B0050504		23.5	0.16	1.4	0.127	3.38	33.9	33.3	0.13	342	4.00	2.50	21.9	0.6	200	18.6
B0050505		25.5	0.18	1.4	0.170	3.61	36.1	37.7	0.14	368	4.12	2.80	21.1	0.7	210	30.1
B0050506		28.4	0.17	1.3	0.158	2.50	35.5	50.3	0.14	346	10.25	3.90	21.2	0.5	230	16.5
B0050507		21.1	0.17	1.2	0.135	3.58	34.2	51.7	0.13	308	5.66	2.65	19.0	0.7	210	18.6
B0050508		0.34	0.11	<0.1	<0.005	0.02	1.1	1.0	1.82	121	<0.05	0.05	0.2	0.3	60	<0.5
B0050509		20.7	0.23	1.1	0.216	3.59	35.4	92.5	0.12	328	16.80	2.41	18.0	0.5	190	20.2
B0050510		20.6	0.23	1.1	0.180	3.56	34.4	78.3	0.13	316	10.80	2.41	18.1	0.4	190	20.6
B0050511		21.1	0.21	1.2	0.188	3.33	36.9	59.6	0.12	321	19.90	2.52	18.8	0.5	190	17.1
B0050512		22.2	0.19	1.1	0.173	3.30	37.8	57.3	0.14	346	11.60	2.95	18.8	0.5	210	17.0
B0050513		22.4	0.21	1.1	0.159	3.27	38.1	45.1	0.15	407	3.97	2.97	19.3	0.5	240	26.0
B0050514		21.9	0.17	1.1	0.119	3.58	35.4	32.5	0.13	328	23.6	2.85	18.4	0.5	210	18.6
B0050515		20.6	0.15	1.1	0.124	3.55	34.5	36.6	0.13	321	40.9	2.58	15.5	0.4	190	18.9
B0050516		20.7	0.16	1.2	0.114	3.63	37.7	36.7	0.13	334	67.0	2.62	18.2	0.4	200	18.5
B0050517		21.9	0.17	1.3	0.198	3.82	37.5	31.2	0.14	357	5.15	2.77	18.9	0.4	220	23.2
B0050518		22.3	0.14	1.2	0.119	3.69	38.5	44.9	0.13	363	17.30	2.74	18.9	0.4	210	20.4
B0050519		21.4	0.16	1.2	0.135	3.88	37.7	40.0	0.13	331	13.70	2.64	17.7	0.4	210	20.7
B0050520		21.4	0.17	1.0	0.123	3.73	39.4	35.3	0.14	326	3.80	2.57	17.5	0.4	210	26.3
B0050521		21.7	0.16	1.1	0.224	3.79	36.5	50.7	0.14	361	25.7	2.54	18.3	0.4	210	25.3
B0050522		22.1	0.14	1.0	0.228	3.67	38.0	40.5	0.13	375	13.30	2.74	18.8	0.4	210	21.0
B0050523		21.9	0.17	1.2	0.126	3.75	36.3	28.6	0.14	340	10.95	2.78	19.3	0.4	210	17.3
B0050524		17.60	0.32	1.7	1.740	1.95	244	36.5	1.34	2250	14.15	0.80	8.5	37.2	920	32.5
B0050525		21.5	0.16	1.1	0.105	3.65	37.0	67.7	0.14	470	125.5	2.43	18.5	0.5	220	20.9
B0050526		21.1	0.17	1.0	0.147	3.34	34.5	56.7	0.14	373	46.1	2.66	18.8	0.4	220	19.9
B0050527		21.3	0.14	1.4	0.152	3.70	37.5	59.6	0.13	313	18.10	2.46	19.7	0.4	200	20.7
B0050528		20.7	0.12	1.0	0.271	3.69	34.3	94.0	0.13	409	102.5	1.96	18.6	0.4	180	21.6
B0050529		11.85	0.08	0.8	2.62	1.03	16.7	9.0	2.18	887	58.0	0.83	2.9	381	690	8540
B0050530		22.1	0.13	1.2	0.176	3.73	36.7	41.5	0.13	367	20.7	2.70	19.6	0.6	210	22.7
B0050531		21.4	0.14	1.2	0.141	3.70	36.9	40.5	0.13	337	15.25	2.67	18.8	0.4	200	19.9
B0050532		21.1	0.15	1.0	0.190	3.70	35.2	61.0	0.13	310	150.5	2.49	18.2	0.6	200	19.5
B0050533		21.1	0.12	1.1	0.118	3.64	35.3	52.5	0.13	312	70.7	2.58	18.1	0.5	200	19.3
B0050534		22.0	0.11	1.0	0.113	3.72	32.6	51.7	0.13	320	59.5	2.61	18.3	0.4	210	20.4
B0050535		18.55	0.09	0.9	0.110	3.59	33.3	73.5	0.12	394	162.5	2.02	16.0	0.4	180	29.6
B0050536		19.00	0.10	0.9	0.107	3.48	33.2	74.3	0.12	390	144.5	1.99	17.3	0.4	180	28.2
B0050537		22.0	0.13	0.9	0.136	3.67	38.2	61.7	0.13	342	44.7	2.66	17.1	0.4	200	18.6
B0050538		22.0	0.14	1.0	0.112	3.75	40.2	60.4	0.13	358	56.8	2.65	17.7	0.5	210	18.6
B0050539		21.7	0.13	1.0	0.105	3.68	37.5	51.6	0.14	329	25.9	2.69	18.1	0.6	210	20.8
B0050540		20.4	0.12	0.9	0.107	3.56	35.1	46.2	0.13	357	70.0	2.63	15.9	0.5	200	18.7

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290378

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
B0050501		176.0	<0.002	0.01	0.07	2.5	1	9.4	102.5	1.14	0.06	12.90	0.093	2.15	4.8	5
B0050502		174.0	<0.002	0.06	0.06	3.7	<1	8.8	104.5	1.19	0.54	12.05	0.103	2.18	4.2	6
B0050503		168.5	<0.002	0.02	0.07	3.0	1	7.7	111.5	1.17	0.20	12.85	0.110	2.36	4.5	6
B0050504		168.0	<0.002	0.05	0.15	3.4	<1	8.3	128.0	1.47	0.29	12.50	0.116	1.99	5.3	7
B0050505		173.5	<0.002	0.13	0.10	3.6	<1	10.5	135.5	1.29	0.45	14.70	0.123	1.98	5.5	7
B0050506		127.0	<0.002	0.12	0.09	3.3	<1	8.2	130.5	1.22	0.34	13.10	0.123	1.81	5.0	7
B0050507		153.5	<0.002	0.13	0.08	3.0	1	6.4	143.0	0.99	0.14	11.20	0.122	1.85	4.8	7
B0050508		0.5	0.002	<0.01	0.05	0.1	1	<0.2	77.2	<0.05	<0.05	0.07	<0.005	<0.02	0.2	1
B0050509		177.0	<0.002	0.12	0.14	2.8	<1	12.6	133.5	0.96	0.30	10.75	0.119	2.10	3.7	7
B0050510		176.0	<0.002	0.05	0.15	2.9	<1	8.7	132.5	0.96	2.02	10.55	0.119	2.23	4.0	7
B0050511		169.0	<0.002	0.05	0.19	3.0	<1	7.6	126.5	1.04	1.12	13.20	0.118	2.11	5.1	7
B0050512		163.0	<0.002	0.08	0.06	3.1	1	7.7	134.5	0.95	2.15	11.20	0.126	2.01	3.9	7
B0050513		166.0	<0.002	0.03	0.07	3.3	<1	9.2	141.0	0.99	0.50	11.35	0.134	1.99	3.7	8
B0050514		157.5	<0.002	0.04	0.06	3.0	<1	5.9	133.5	0.92	0.30	10.30	0.127	1.62	3.7	7
B0050515		159.0	<0.002	0.06	0.05	2.8	1	6.0	123.5	0.89	0.67	9.93	0.118	1.72	3.6	7
B0050516		158.0	<0.002	0.06	<0.05	2.9	1	6.7	125.0	0.96	0.73	10.15	0.126	1.75	3.9	7
B0050517		167.0	<0.002	0.04	<0.05	3.2	1	7.2	135.5	0.98	0.21	11.50	0.132	1.84	4.4	8
B0050518		177.5	<0.002	0.04	0.30	3.2	<1	8.5	132.0	0.98	0.67	10.30	0.129	2.05	3.4	7
B0050519		170.5	<0.002	0.08	0.05	3.1	<1	6.6	130.0	0.90	0.27	10.35	0.127	1.89	3.5	7
B0050520		163.5	<0.002	0.08	0.07	3.1	1	6.4	130.5	0.87	0.46	10.70	0.125	1.83	3.5	7
B0050521		177.5	<0.002	0.11	0.05	3.1	<1	10.1	130.5	0.95	0.28	9.65	0.128	2.06	3.2	7
B0050522		164.0	0.002	0.14	<0.05	3.1	<1	7.7	133.0	1.06	0.13	10.25	0.126	1.67	3.6	7
B0050523		164.5	0.002	0.16	0.05	3.2	1	5.7	133.5	1.09	0.37	11.75	0.131	1.68	4.5	7
B0050524		116.0	0.002	1.29	31.5	6.9	6	108.0	239	0.54	1.07	9.02	0.227	1.33	11.6	54
B0050525		212	0.002	0.06	0.05	3.2	1	14.8	124.5	1.00	0.44	12.55	0.133	2.68	4.4	8
B0050526		173.5	<0.002	0.12	0.05	3.2	<1	9.3	130.0	0.98	0.38	10.55	0.127	2.15	4.1	7
B0050527		176.0	<0.002	0.08	0.08	3.0	1	7.4	125.0	1.18	0.28	11.20	0.117	2.18	4.3	7
B0050528		221	<0.002	0.09	0.08	2.9	<1	16.7	110.0	1.01	0.57	10.75	0.116	2.86	3.6	7
B0050529		32.7	0.020	6.30	33.1	12.5	15	8.0	156.0	0.18	0.74	3.43	0.205	2.55	7.4	397
B0050530		163.0	0.002	0.09	0.10	3.1	<1	7.4	138.0	1.13	0.23	12.05	0.127	1.73	4.4	7
B0050531		165.0	<0.002	0.05	<0.05	2.9	<1	5.4	132.5	1.03	0.19	11.70	0.124	1.68	3.5	7
B0050532		189.5	<0.002	0.08	0.05	3.2	<1	7.0	128.0	1.00	0.74	11.35	0.126	2.25	4.2	7
B0050533		163.0	<0.002	0.09	0.05	3.1	<1	5.3	129.0	0.97	0.55	10.65	0.124	1.72	4.0	7
B0050534		180.0	<0.002	0.04	<0.05	3.1	<1	4.7	133.0	0.94	0.21	10.15	0.124	2.04	3.5	7
B0050535		215	<0.002	0.03	<0.05	3.0	<1	9.8	108.5	0.89	0.20	9.91	0.121	2.68	3.0	7
B0050536		219	0.002	0.03	<0.05	3.0	1	10.3	109.0	0.86	0.22	9.45	0.120	2.57	2.9	7
B0050537		181.0	<0.002	0.06	0.05	3.0	1	6.7	131.0	0.90	0.27	9.94	0.123	1.96	4.1	7
B0050538		173.5	0.002	0.08	0.05	3.1	1	7.0	135.0	0.96	0.46	10.45	0.125	1.97	3.3	7
B0050539		168.0	0.002	0.06	<0.05	3.2	<1	6.4	136.5	0.94	0.39	10.00	0.129	1.80	3.5	7
B0050540		164.0	<0.002	0.05	0.05	3.0	1	7.0	132.5	0.85	0.28	9.41	0.124	1.86	3.0	7

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

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290378

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
B0050501		4.6	22.3	138	36.6	0.004
B0050502		3.8	26.4	143	29.5	0.034
B0050503		2.8	20.0	120	22.2	0.005
B0050504		5.5	28.0	118	27.2	0.016
B0050505		3.3	29.3	208	28.6	0.010
B0050506		17.9	30.0	183	25.8	0.014
B0050507		2.2	27.4	117	20.8	0.004
B0050508		<0.1	2.0	3	1.4	<0.001
B0050509		5.8	21.6	138	20.5	0.014
B0050510		2.4	20.8	143	21.2	0.067
B0050511		7.0	23.6	133	21.4	0.048
B0050512		5.0	25.4	134	20.1	0.189
B0050513		1.8	28.0	167	20.7	0.020
B0050514		1.2	25.0	137	19.9	0.013
B0050515		1.5	24.2	136	20.3	0.031
B0050516		1.2	25.7	140	22.6	0.034
B0050517		1.6	25.9	178	22.9	0.010
B0050518		3.0	25.1	141	21.5	0.053
B0050519		3.1	24.0	162	21.6	0.008
B0050520		2.3	23.9	150	18.2	0.025
B0050521		39.2	23.5	174	19.3	0.013
B0050522		5.2	27.6	203	18.7	0.004
B0050523		5.3	28.5	106	21.2	0.030
B0050524		28.8	28.2	160	60.5	0.805
B0050525		2.3	19.8	138	20.4	0.013
B0050526		2.9	21.6	144	17.9	0.018
B0050527		2.5	22.6	133	23.2	0.013
B0050528		3.3	18.2	200	18.1	0.030
B0050529		5.4	13.2	8020	26.9	1.345
B0050530		1.7	28.7	153	20.0	0.006
B0050531		1.3	24.5	131	21.8	0.012
B0050532		3.3	20.3	150	18.2	0.045
B0050533		2.1	23.5	132	20.7	0.032
B0050534		1.0	21.7	123	19.8	0.013
B0050535		2.4	15.6	147	16.9	0.007
B0050536		3.8	17.0	146	17.2	0.008
B0050537		2.3	23.5	150	18.2	0.018
B0050538		2.4	24.9	144	18.7	0.026
B0050539		2.3	22.2	125	18.5	0.019
B0050540		9.1	19.9	144	18.0	0.014

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290378

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	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-ICP21	ME-MS61

ALS Canada Ltd.

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Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE WH19290384

Project: Meloy

P.O. No.: MY19-003

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

Signature:

Saa Traxler, General Manager, North Vancouver

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VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290384

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
B0050541		8.04	0.30	6.65	2.2	1050	4.13	16.30	0.86	0.80	76.7	1.3	10	5.98	76.9	1.79
B0050542		7.71	0.30	6.67	1.5	1080	4.38	5.45	0.88	2.07	82.8	1.3	13	6.03	55.7	1.92
B0050543		7.94	0.43	6.51	54.9	1040	9.70	12.55	0.83	0.75	74.1	1.5	10	5.66	65.8	1.96
B0050544		7.39	0.25	6.62	9.2	1070	5.17	6.50	0.84	0.92	75.1	1.3	8	5.87	67.3	1.91
B0050545		6.90	0.35	6.65	19.3	1080	5.17	5.12	0.84	0.99	81.1	1.4	8	6.54	115.5	2.01
B0050546		7.55	0.25	6.63	2.4	1090	4.36	4.14	0.91	0.80	76.2	1.2	10	5.36	74.5	1.82
B0050547		7.63	0.31	6.87	3.7	770	24.3	6.84	0.95	0.76	84.0	1.5	8	7.31	134.5	2.34
B0050548		4.95	<0.01	0.17	<0.2	20	0.10	0.04	33.2	0.02	1.06	0.5	1	<0.05	1.7	0.12
B0050549		7.55	0.27	6.88	1.7	1040	13.60	5.06	0.95	1.10	83.5	1.4	8	5.49	101.0	2.09
B0050550		7.48	0.68	7.25	8.5	500	58.0	12.90	1.07	1.94	74.9	1.6	6	3.89	256	2.55
B0050551		7.91	0.69	7.92	14.5	540	47.0	13.25	1.11	1.54	82.9	1.9	4	5.39	337	3.32
B0050552		7.31	0.41	7.66	4.1	780	51.9	7.64	1.15	4.98	72.6	1.7	10	4.57	182.5	2.85
B0050553		8.03	0.49	7.66	7.0	410	24.2	10.80	1.23	6.35	83.6	1.7	7	6.21	127.5	2.95
B0050554		8.34	0.34	7.76	3.4	390	17.05	13.45	1.24	2.47	81.9	1.6	5	7.91	119.0	3.15
B0050555		0.10	6.89	4.86	8430	1210	1.65	211	13.25	0.79	432	75.5	48	9.12	3320	9.08
B0050556		7.21	0.42	7.26	4.7	380	13.65	12.90	1.20	2.73	72.6	1.6	6	3.41	196.5	2.71
B0050557		7.82	0.43	6.89	4.2	1120	3.76	6.82	0.90	1.64	81.7	1.6	8	6.97	190.5	2.15
B0050558		7.68	0.40	6.59	2.9	1060	3.22	4.00	0.80	0.42	72.6	1.2	7	4.64	107.0	1.79
B0050559		7.35	0.25	6.48	1.2	1050	3.66	8.20	0.85	0.50	75.2	1.4	9	5.98	127.0	1.93
B0050560		8.04	0.20	5.64	2.2	900	3.18	12.35	0.75	0.18	64.7	1.4	11	6.10	70.6	1.75
B0050561		3.39	0.15	6.72	1.4	1120	3.01	6.31	0.90	0.28	80.6	1.2	8	6.16	44.3	1.90
B0050562		7.66	0.17	6.38	1.4	1070	2.75	4.61	0.86	0.28	77.2	1.2	9	5.05	78.3	1.66
B0050563		7.93	0.30	6.58	3.1	1100	2.75	6.55	0.91	0.58	77.4	1.5	13	6.22	122.5	1.85
B0050564		<0.02	0.32	6.76	2.9	1130	3.10	6.20	0.91	0.59	84.6	1.4	10	6.46	124.0	1.86
B0050565		7.94	0.25	6.77	1.2	1110	3.33	6.82	0.89	0.38	74.5	2.3	8	5.98	114.5	1.77
B0050566		7.80	0.25	6.71	<0.2	1120	3.77	5.38	0.90	1.15	78.5	1.5	12	5.00	129.0	1.86
B0050567		4.25	1.87	6.66	2.0	1040	3.37	12.50	0.89	1.33	84.0	1.4	9	8.06	220	2.03
B0050568		7.80	0.68	6.68	1.3	1130	2.95	4.60	0.88	0.54	81.5	1.4	11	7.77	123.5	1.87
B0050569		6.98	0.31	6.83	<0.2	1120	3.86	4.09	0.87	0.58	75.8	1.3	8	5.71	197.0	1.86
B0050570		2.61	0.27	5.98	0.9	820	3.31	3.22	0.52	1.87	49.0	0.7	12	2.47	128.5	0.98
B0050571		1.25	0.31	6.09	1.1	840	3.33	2.77	0.53	1.87	49.8	0.8	10	2.58	127.0	1.01
B0050572		5.59	0.27	6.78	1.5	1070	3.55	11.60	0.99	0.66	77.1	1.2	10	5.94	111.0	1.80
B0050573		7.99	0.25	6.95	2.5	1090	3.82	3.83	0.85	0.50	77.4	1.4	13	8.03	91.7	1.91
B0050574		0.26	30.6	6.83	143.5	130	0.61	10.20	6.03	35.2	29.4	91.3	120	1.58	6570	9.49
B0050575		7.77	0.43	6.68	1.3	1030	4.63	3.80	0.85	0.75	82.8	1.3	12	5.53	132.5	1.73
B0050576		7.85	0.46	6.77	16.4	1120	3.32	6.53	0.89	1.30	85.6	1.6	9	4.79	132.5	1.75
B0050577		7.38	0.34	6.78	4.6	1110	4.14	4.04	0.78	1.33	80.4	1.3	10	5.19	123.0	1.71
B0050578		4.14	0.59	6.62	7.1	1070	3.45	6.23	0.89	1.72	68.3	1.9	7	6.55	258	1.84
B0050579		3.46	0.41	6.71	3.7	1040	3.35	5.60	0.78	0.75	72.5	1.2	14	4.84	133.0	1.62
B0050580		7.12	3.13	6.63	5.5	1010	4.34	19.05	0.80	0.42	69.4	0.7	11	6.22	136.5	1.52

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

ALS Canada Ltd.
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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290384

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
B0050541		20.6	0.12	0.9	0.140	3.50	36.7	32.8	0.13	346	62.1	2.86	16.2	0.5	220	17.0
B0050542		21.1	0.12	0.9	0.192	3.65	38.4	39.1	0.14	360	29.8	2.73	16.1	0.5	220	17.6
B0050543		21.7	0.14	0.9	0.156	3.48	35.1	47.6	0.13	338	83.3	2.79	17.1	2.4	220	19.5
B0050544		21.8	0.13	0.8	0.215	3.56	36.2	43.4	0.14	331	37.8	2.77	17.0	0.8	210	16.6
B0050545		23.0	0.11	0.8	0.728	3.68	37.8	60.4	0.14	431	39.1	2.60	17.9	0.6	210	15.0
B0050546		21.5	0.10	0.9	0.140	3.67	37.4	30.8	0.14	361	35.7	2.83	17.2	0.6	220	18.1
B0050547		23.9	0.12	1.0	0.294	2.18	38.6	36.6	0.14	557	35.9	3.89	19.7	0.6	250	12.1
B0050548		0.64	0.16	0.1	0.005	0.04	1.1	1.2	1.89	121	0.28	0.09	0.2	0.6	60	0.6
B0050549		23.8	0.25	0.9	0.270	2.98	38.8	29.6	0.14	463	30.4	3.46	19.1	0.7	230	16.6
B0050550		26.7	0.18	1.0	0.239	0.97	34.0	41.1	0.13	458	58.3	5.01	20.1	0.8	190	10.8
B0050551		31.2	0.13	1.5	0.673	0.76	39.5	33.2	0.17	800	45.3	5.68	18.2	0.5	170	9.8
B0050552		32.4	0.12	1.8	0.715	0.80	32.1	24.7	0.13	1060	56.7	6.06	18.1	0.6	180	10.7
B0050553		29.2	0.13	1.8	1.120	0.61	38.6	19.3	0.16	1330	48.7	5.98	18.6	0.6	160	12.6
B0050554		29.0	0.11	1.9	0.895	0.74	37.6	31.3	0.14	1060	64.6	5.67	16.5	0.6	290	16.5
B0050555		18.75	0.33	1.8	1.880	1.94	251	38.0	1.37	2320	15.25	0.82	8.6	38.8	950	36.4
B0050556		27.2	0.10	1.8	0.818	0.85	32.7	22.7	0.14	812	31.6	5.25	23.0	0.5	360	13.0
B0050557		23.1	0.15	0.8	0.199	3.63	39.8	47.5	0.15	369	29.5	2.95	17.6	0.6	240	21.0
B0050558		21.5	0.13	1.0	0.123	3.75	35.1	45.3	0.12	260	43.7	2.73	16.4	0.5	200	16.9
B0050559		21.9	0.14	0.8	0.111	3.49	35.5	62.2	0.15	286	90.5	2.66	16.4	0.5	220	16.2
B0050560		18.75	0.09	0.7	0.086	3.06	31.0	62.8	0.14	283	99.6	2.20	14.5	1.2	190	14.4
B0050561		22.8	0.14	0.9	0.133	3.79	39.4	65.5	0.15	354	67.9	2.76	17.3	0.6	230	15.7
B0050562		21.6	0.14	0.9	0.095	3.54	36.7	38.7	0.14	302	50.2	2.73	17.5	0.5	220	15.5
B0050563		21.4	0.13	0.8	0.120	3.65	37.0	45.7	0.14	342	74.1	2.75	17.1	0.6	230	16.3
B0050564		22.5	0.11	0.8	0.140	3.78	40.1	45.7	0.15	333	66.6	2.80	17.8	0.6	220	16.9
B0050565		23.1	0.14	0.7	0.100	3.69	35.7	55.1	0.14	258	109.0	2.90	18.1	0.6	230	16.8
B0050566		22.2	0.12	0.7	0.177	3.55	37.4	53.6	0.15	329	87.2	2.93	17.7	0.7	230	17.3
B0050567		22.4	0.11	0.9	0.432	3.73	41.0	85.0	0.13	376	166.5	2.73	17.8	0.6	220	38.9
B0050568		22.6	0.15	0.8	0.197	3.76	38.5	61.2	0.15	329	56.7	2.88	17.8	0.5	230	26.0
B0050569		22.2	0.11	0.9	0.114	3.66	37.6	46.3	0.14	267	57.1	3.04	16.7	0.5	220	17.3
B0050570		18.50	0.10	1.6	0.079	3.98	23.4	18.5	0.02	128	21.2	2.72	12.7	0.3	50	18.3
B0050571		19.30	0.08	1.7	0.089	4.06	24.0	19.2	0.02	134	23.1	2.80	13.4	0.3	50	18.6
B0050572		22.7	0.12	0.7	0.090	3.67	36.4	62.1	0.14	279	117.0	3.00	16.5	0.5	230	17.4
B0050573		23.1	0.13	0.8	0.102	3.84	36.2	68.4	0.14	342	47.8	3.01	19.6	0.6	230	19.1
B0050574		11.45	0.09	0.8	2.65	1.02	15.0	8.7	2.17	878	57.7	0.83	2.8	374	680	8530
B0050575		22.1	0.13	0.8	0.121	3.60	40.8	58.3	0.14	252	141.0	2.92	16.9	0.7	220	22.1
B0050576		22.3	0.13	0.9	0.163	3.77	41.2	54.4	0.15	309	58.6	2.89	18.8	0.6	230	17.9
B0050577		22.2	0.15	0.9	0.135	3.74	39.1	49.2	0.15	307	55.1	2.96	18.4	0.5	230	19.9
B0050578		21.9	0.09	0.6	0.182	3.55	31.7	50.2	0.14	264	169.0	2.80	17.4	0.5	230	16.6
B0050579		20.9	0.14	0.7	0.107	3.55	33.2	52.9	0.15	279	125.5	3.06	17.5	0.7	220	18.8
B0050580		20.4	0.13	0.7	0.101	3.49	31.3	70.8	0.15	236	75.8	2.88	16.9	0.5	210	19.2

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

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290384

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
B0050541		143.0	<0.002	0.09	<0.05	3.0	<1	5.8	133.5	0.89	1.14	9.44	0.130	1.50	3.8	7
B0050542		147.5	<0.002	0.06	<0.05	3.2	<1	8.1	136.0	0.83	0.24	10.90	0.128	1.45	3.7	7
B0050543		149.5	<0.002	0.10	0.40	3.1	<1	6.9	143.5	0.91	0.47	10.40	0.127	1.58	3.7	7
B0050544		150.5	<0.002	0.09	0.11	3.2	<1	6.4	143.5	0.91	0.26	9.59	0.129	1.56	3.4	7
B0050545		175.0	<0.002	0.07	0.09	3.3	1	13.8	134.5	0.93	0.16	10.30	0.128	1.71	3.2	7
B0050546		137.5	<0.002	0.18	0.06	3.2	<1	5.7	143.5	0.86	0.16	9.30	0.133	1.30	3.4	7
B0050547		113.5	<0.002	0.16	0.11	3.4	1	10.8	165.5	1.03	0.38	10.35	0.143	1.34	3.3	7
B0050548		1.1	<0.002	<0.01	0.07	0.2	1	<0.2	77.4	<0.05	<0.05	0.16	0.007	<0.02	0.2	2
B0050549		127.0	<0.002	0.25	0.12	3.4	1	9.4	168.5	0.95	0.19	9.81	0.138	1.28	3.4	7
B0050550		67.5	<0.002	0.40	0.34	3.4	1	11.4	176.0	1.41	0.90	11.05	0.141	0.99	4.2	6
B0050551		69.9	<0.002	0.55	0.22	3.8	2	26.8	232	1.18	0.63	13.10	0.139	1.14	5.6	5
B0050552		55.9	<0.002	0.31	0.08	2.8	1	33.2	297	1.09	0.34	11.90	0.145	0.84	4.1	5
B0050553		48.6	<0.002	0.16	0.08	3.5	1	34.1	222	1.09	0.44	12.90	0.150	0.72	5.1	7
B0050554		73.6	<0.002	0.16	0.06	3.3	1	32.0	247	0.95	0.62	12.30	0.161	1.14	4.2	9
B0050555		118.5	<0.002	1.30	31.6	7.1	6	108.0	245	0.55	1.03	9.21	0.234	1.33	11.5	55
B0050556		54.0	<0.002	0.25	0.07	3.2	1	32.4	196.5	0.99	0.71	10.65	0.152	0.72	4.1	11
B0050557		168.5	<0.002	0.33	0.06	3.5	1	8.4	147.5	0.84	0.40	12.55	0.138	1.73	5.0	8
B0050558		154.5	<0.002	0.19	0.06	3.2	1	5.1	128.0	0.89	0.35	9.57	0.122	1.41	3.3	7
B0050559		168.0	<0.002	0.12	<0.05	3.3	1	4.2	128.5	0.84	0.50	10.20	0.131	1.68	3.5	8
B0050560		156.0	<0.002	0.03	0.05	2.9	1	3.5	112.5	0.80	0.32	8.07	0.117	1.49	2.4	7
B0050561		161.0	<0.002	0.08	0.08	3.3	1	5.1	143.0	0.96	0.33	9.51	0.139	1.44	3.7	8
B0050562		139.0	<0.002	0.17	0.05	3.2	<1	3.6	135.5	0.95	0.33	9.59	0.128	1.25	3.7	7
B0050563		148.5	<0.002	0.23	0.05	3.3	1	4.7	138.5	0.90	0.34	10.05	0.135	1.37	3.5	8
B0050564		154.0	<0.002	0.22	0.06	3.4	1	5.0	141.5	0.91	0.37	10.45	0.136	1.43	4.1	8
B0050565		161.0	<0.002	0.21	0.05	3.5	1	4.3	138.0	0.87	0.34	9.37	0.137	1.53	3.2	8
B0050566		142.5	<0.002	0.27	0.05	3.4	1	5.9	142.0	0.88	0.48	8.79	0.138	1.22	3.0	8
B0050567		199.0	<0.002	0.15	0.06	3.3	<1	9.0	130.5	1.00	0.52	10.70	0.131	2.22	3.7	8
B0050568		158.5	<0.002	0.21	0.05	3.5	<1	6.7	141.5	0.86	0.26	9.56	0.139	1.48	3.2	8
B0050569		157.5	<0.002	0.38	0.05	3.3	<1	4.2	139.0	0.98	0.28	8.87	0.134	1.51	3.0	8
B0050570		156.0	<0.002	0.39	0.05	2.4	1	2.2	80.2	1.00	0.26	10.60	0.041	1.62	4.3	1
B0050571		160.0	<0.002	0.41	0.05	2.5	1	2.4	82.4	1.05	0.21	10.75	0.044	1.57	4.3	1
B0050572		171.5	<0.002	0.26	0.05	3.3	<1	3.8	133.5	0.88	0.79	9.03	0.136	1.57	2.7	8
B0050573		189.5	<0.002	0.21	0.07	3.5	1	6.5	132.0	1.00	0.27	10.35	0.141	1.79	3.3	8
B0050574		33.0	0.015	6.33	29.5	12.0	13	6.9	152.0	0.20	0.72	3.22	0.200	2.22	5.4	396
B0050575		161.0	<0.002	0.33	0.06	3.2	1	5.3	130.0	0.91	0.22	10.10	0.131	1.44	3.6	8
B0050576		153.0	<0.002	0.29	0.09	3.4	1	6.7	135.5	1.04	0.52	10.80	0.139	1.39	4.0	8
B0050577		159.5	<0.002	0.33	0.08	3.3	1	6.7	132.0	0.95	0.24	10.80	0.136	1.47	3.9	8
B0050578		157.0	<0.002	0.35	0.14	3.1	1	5.1	138.5	0.84	0.52	9.35	0.132	1.40	3.7	8
B0050579		161.0	0.002	0.27	0.15	2.9	1	4.1	130.5	0.88	0.38	9.84	0.136	1.43	3.2	8
B0050580		165.0	0.002	0.15	0.12	3.1	<1	6.2	123.0	0.84	2.34	9.91	0.132	1.45	3.2	8

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VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290384

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
B0050541		5.4	24.5	133	16.9	0.031
B0050542		3.2	26.5	183	17.4	0.007
B0050543		10.5	25.7	136	15.5	0.012
B0050544		3.3	26.9	155	15.1	0.008
B0050545		2.9	26.1	214	15.7	0.007
B0050546		3.2	26.8	123	15.5	0.005
B0050547		11.8	29.4	153	23.2	0.020
B0050548		0.1	2.1	3	2.2	<0.001
B0050549		5.3	28.8	157	19.8	0.007
B0050550		12.5	31.8	204	22.6	0.081
B0050551		28.7	36.7	258	39.1	0.037
B0050552		5.9	32.3	450	48.6	0.013
B0050553		11.7	34.3	538	52.6	0.018
B0050554		37.6	33.9	281	55.7	0.032
B0050555		37.1	29.0	168	64.4	0.805
B0050556		17.1	30.1	283	53.6	0.049
B0050557		2.5	25.4	158	15.4	0.014
B0050558		1.7	23.2	97	20.1	0.011
B0050559		1.8	23.4	111	15.3	0.013
B0050560		1.2	19.1	88	13.1	0.018
B0050561		0.9	26.8	99	16.1	0.008
B0050562		1.0	25.6	83	15.1	0.013
B0050563		3.6	25.8	99	14.0	0.012
B0050564		2.5	25.8	100	14.6	0.018
B0050565		3.1	24.6	97	13.4	0.014
B0050566		1.2	27.7	136	13.4	0.027
B0050567		2.0	24.9	223	15.0	0.013
B0050568		1.1	27.2	111	14.7	0.009
B0050569		1.6	24.7	110	15.4	0.027
B0050570		1.0	17.8	106	44.0	0.016
B0050571		1.2	17.4	106	46.6	0.015
B0050572		1.9	27.4	115	13.9	0.154
B0050573		1.9	23.6	116	15.8	0.014
B0050574		6.2	12.4	8020	25.0	1.410
B0050575		1.6	26.5	118	15.0	0.013
B0050576		1.3	30.2	141	15.7	0.056
B0050577		1.8	26.9	146	15.2	0.006
B0050578		1.2	27.2	133	12.6	0.051
B0050579		2.4	25.2	127	12.0	0.012
B0050580		2.6	23.4	111	12.9	0.246

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

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VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290384

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	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-ICP21	ME-MS61

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Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE WH19290390

Project: Meloy

P.O. No.: MY19-004

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

Signature:



Saa Traxler, General Manager, North Vancouver

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290390

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
B0050581		8.68	0.38	6.72	1.2	1020	3.95	3.57	0.81	0.59	75.8	1.4	5	4.74	170.0	1.79
B0050582		7.97	0.45	6.78	1.8	1060	13.40	2.34	0.85	0.66	83.3	1.1	3	6.18	152.5	1.71
B0050583		6.26	0.39	6.59	1.6	1060	3.24	12.40	0.84	0.72	82.3	1.0	4	5.98	73.0	1.83
B0050584		5.88	0.33	6.61	2.1	1040	4.71	3.09	0.83	0.70	83.7	1.4	5	4.55	127.0	1.76
B0050585		8.38	0.28	6.58	1.7	1050	4.61	3.03	0.81	0.54	82.4	1.2	7	4.97	106.5	1.71
B0050586		5.11	0.01	0.14	<0.2	20	0.09	0.03	32.1	0.02	1.18	0.5	1	0.05	1.5	0.12
B0050587		7.61	0.22	6.36	0.3	1010	8.87	3.06	0.86	0.43	80.0	1.2	5	4.65	98.6	1.62
B0050588		5.90	0.26	6.51	1.2	1060	5.72	2.48	0.91	0.49	91.9	1.2	5	5.45	88.1	1.67
B0050589		2.74	0.40	6.58	1.7	1000	3.44	2.63	0.67	0.99	76.2	1.0	4	4.29	127.5	1.54
B0050590		6.44	0.30	6.72	1.3	1120	4.56	1.54	0.81	0.44	77.4	1.4	6	4.70	112.5	1.78
B0050591		4.58	0.29	7.04	0.8	1190	126.5	8.36	1.06	0.64	87.2	1.3	6	8.30	101.5	2.05
B0050592		6.40	0.04	6.31	1.9	700	2.15	4.32	0.44	0.03	29.4	0.4	6	3.40	3.8	0.88
B0050593		<0.02	0.03	6.25	0.5	680	2.25	4.08	0.43	0.04	27.7	0.3	4	2.99	2.2	0.86
B0050594		4.12	0.29	6.80	1.1	1100	4.10	1.10	0.93	0.49	78.8	1.3	6	5.73	134.0	1.98
B0050595		7.46	0.36	6.43	1.5	980	3.03	4.66	0.77	0.36	64.3	1.4	5	4.30	131.5	1.81
B0050596		2.45	0.41	6.67	6.5	1080	3.02	5.42	0.78	0.44	76.7	1.3	5	6.16	68.6	1.78
B0050597		7.02	0.33	6.44	0.5	600	3.78	0.15	0.47	2.36	64.1	0.2	5	3.18	51.0	0.83
B0050598		7.46	0.26	6.15	1.0	520	3.48	0.12	0.45	1.42	64.3	0.2	5	5.15	47.9	0.80
B0050599		7.84	0.45	6.33	2.4	530	3.86	0.27	0.44	2.55	59.0	0.2	6	2.55	95.9	0.86
B0050600		7.96	6.72	6.54	26.5	550	4.07	0.89	0.46	16.60	66.7	0.2	4	5.25	716	1.04
B0050601		0.10	6.94	4.89	8530	1220	1.65	215	13.15	0.80	445	75.6	45	9.21	3400	9.18
B0050602		7.82	1.31	6.34	9.3	570	2.92	0.49	0.47	3.25	68.3	0.3	5	3.73	171.0	0.87
B0050603		7.93	0.34	6.39	2.6	620	2.96	0.15	0.48	0.56	72.3	0.2	5	5.60	39.8	0.86
B0050604		7.09	0.54	6.32	2.5	590	3.84	0.27	0.46	2.79	64.6	0.2	6	5.81	77.9	0.90
B0050605		8.05	0.92	6.15	6.4	560	3.56	0.50	0.43	5.04	62.8	0.4	6	4.71	149.0	0.94
B0050606		7.59	1.12	6.24	2.6	560	3.50	0.16	0.45	1.15	71.9	0.3	6	3.41	112.0	0.90
B0050607		8.01	1.03	6.38	3.2	530	3.35	0.17	0.42	0.98	62.5	0.2	5	4.85	81.7	0.87
B0050608		3.72	2.32	6.44	4.2	540	3.40	0.22	0.43	1.16	64.6	0.3	6	4.60	158.5	0.92
B0050609		7.68	0.53	6.26	1.0	540	3.33	0.22	0.45	1.56	63.2	0.2	6	3.94	52.9	0.85
B0050610		7.68	2.28	6.32	8.6	540	2.93	2.89	0.47	0.79	67.2	0.3	6	5.00	209	0.83
B0050611		7.30	1.14	6.42	3.5	530	3.81	0.38	0.45	1.64	63.3	0.3	7	3.61	134.5	0.88
B0050612		7.80	0.90	6.25	3.9	480	3.59	0.34	0.44	3.51	60.9	0.4	7	2.80	152.5	0.89
B0050613		7.44	0.45	6.32	5.4	500	3.53	0.12	0.42	3.45	70.3	0.3	6	3.58	82.1	0.80
B0050614		7.44	11.10	6.40	14.1	520	3.47	3.35	0.41	1.47	57.9	0.3	5	3.53	579	1.02
B0050615		7.44	7.93	6.53	19.4	520	3.17	3.92	0.39	0.14	43.4	0.6	3	4.20	939	1.21
B0050616		0.13	29.8	7.51	150.0	130	0.59	10.55	6.47	36.8	28.7	97.4	122	1.77	7090	10.15
B0050617		7.94	2.69	6.65	11.1	540	3.00	0.19	0.50	3.26	63.0	0.3	6	3.88	888	0.93
B0050618		8.00	2.25	6.35	4.3	500	2.99	0.87	0.45	0.70	54.7	0.3	7	3.22	264	1.21
B0050619		8.12	0.71	6.53	1.5	470	3.14	0.23	0.45	0.58	51.8	0.3	5	3.62	75.4	1.01
B0050620		7.63	2.61	6.74	5.0	450	3.38	3.31	0.43	1.43	47.9	0.2	5	3.25	188.0	1.05

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	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
B0050581		20.9	0.16	1.0	0.083	3.73	36.5	43.8	0.13	242	96.5	2.88	16.8	0.6	200	17.0
B0050582		21.1	0.16	0.7	0.117	3.71	40.2	56.3	0.14	263	125.0	2.95	17.6	0.5	220	17.2
B0050583		20.9	0.16	0.7	0.122	3.64	39.2	42.4	0.13	323	153.5	2.88	17.8	0.4	220	15.4
B0050584		21.3	0.11	0.8	0.125	3.60	39.9	36.8	0.15	300	167.0	2.92	17.0	0.6	220	15.2
B0050585		21.6	0.13	0.7	0.070	3.74	39.6	48.8	0.14	236	89.3	2.82	17.5	0.5	220	14.5
B0050586		0.48	0.26	0.1	<0.005	0.06	1.2	1.4	1.79	122	0.73	0.06	0.2	<0.2	70	0.5
B0050587		20.4	0.24	0.8	0.073	3.52	37.4	46.3	0.14	226	88.5	2.77	16.9	0.5	210	15.1
B0050588		21.3	0.24	0.8	0.101	3.64	42.8	43.7	0.14	278	58.4	2.92	17.5	0.4	220	15.4
B0050589		20.1	0.22	1.2	0.134	3.87	37.0	44.5	0.10	213	26.7	2.84	15.3	0.4	150	14.4
B0050590		20.8	0.20	0.8	0.090	3.80	37.1	56.9	0.14	245	29.7	2.87	17.5	0.6	220	15.4
B0050591		24.1	0.22	0.9	0.145	4.01	40.8	74.7	0.14	392	34.6	2.85	19.5	0.5	230	23.0
B0050592		18.05	0.21	2.3	0.047	5.01	11.8	49.7	0.03	136	14.10	1.98	9.2	0.4	20	21.5
B0050593		17.50	0.14	1.9	0.045	4.92	10.9	47.8	0.03	132	14.15	1.98	9.1	0.2	20	20.3
B0050594		22.1	0.17	0.9	0.169	3.84	36.7	65.5	0.14	343	35.1	2.77	19.3	0.5	220	16.5
B0050595		20.0	0.15	0.9	0.072	3.87	30.8	56.2	0.12	245	70.3	2.56	15.3	0.4	180	15.6
B0050596		21.7	0.17	0.7	0.114	3.73	36.0	44.9	0.14	237	86.0	2.84	17.1	0.5	220	14.9
B0050597		19.25	0.17	2.4	0.046	4.26	31.9	21.6	0.02	203	4.57	2.60	10.8	0.3	20	22.4
B0050598		18.60	0.15	2.8	0.044	4.03	31.3	21.3	0.02	182	2.07	2.58	10.9	0.2	20	22.5
B0050599		18.70	0.16	2.4	0.078	4.12	28.8	20.0	0.02	215	3.26	2.56	11.1	0.3	20	21.6
B0050600		19.20	0.12	2.9	0.388	4.30	32.5	28.3	0.02	200	2.71	2.46	10.7	0.3	20	30.8
B0050601		18.35	0.40	1.8	1.870	1.97	250	38.0	1.38	2350	14.75	0.82	8.8	39.0	960	33.9
B0050602		17.95	0.17	2.2	0.187	4.10	32.9	22.3	0.02	193	5.40	2.55	11.0	0.3	20	23.9
B0050603		18.55	0.17	2.3	0.069	4.12	35.4	25.4	0.02	179	2.42	2.62	9.9	0.3	20	23.3
B0050604		19.40	0.13	2.7	0.133	4.10	31.2	26.1	0.02	177	2.38	2.59	12.7	0.3	20	23.7
B0050605		18.25	0.14	2.2	0.109	3.97	30.8	20.7	0.02	174	4.00	2.50	10.9	0.3	20	21.5
B0050606		18.40	0.15	2.4	0.106	4.24	35.2	21.8	0.02	231	5.27	2.52	10.8	0.3	20	20.5
B0050607		18.80	0.12	2.1	0.083	4.18	30.0	19.0	0.02	170	3.07	2.56	11.9	0.3	20	20.3
B0050608		18.75	0.13	2.2	0.102	4.28	31.3	20.2	0.02	181	2.53	2.53	11.8	0.3	20	20.3
B0050609		18.20	0.15	2.2	0.068	4.09	30.4	19.8	0.02	176	2.98	2.54	11.4	0.3	20	20.9
B0050610		17.60	0.13	1.9	0.068	4.13	32.9	26.8	0.02	172	4.95	2.53	9.9	0.4	20	21.5
B0050611		19.15	0.11	2.4	0.127	4.24	30.3	18.2	0.02	183	29.9	2.58	11.3	0.3	20	21.4
B0050612		18.35	0.13	2.5	0.138	4.10	29.5	19.0	0.02	184	6.73	2.49	11.0	0.4	20	21.2
B0050613		19.80	0.14	2.6	0.050	4.10	34.7	16.8	0.02	149	35.8	2.54	12.3	0.3	20	21.3
B0050614		18.70	0.12	2.2	0.207	4.16	28.3	18.0	0.02	161	3.08	2.35	13.0	0.3	20	21.5
B0050615		19.20	0.09	2.3	0.244	4.30	21.2	18.6	0.02	188	1.28	2.18	12.0	3.4	20	24.6
B0050616		12.05	0.11	0.8	2.44	1.10	16.6	7.7	2.36	934	59.8	0.88	3.0	399	730	9180
B0050617		19.40	0.10	2.3	0.088	4.36	30.7	13.7	0.02	178	7.90	2.59	13.7	0.4	20	25.9
B0050618		18.35	0.10	2.2	0.274	4.18	25.9	29.2	0.02	232	9.41	2.10	11.6	0.6	20	21.0
B0050619		18.80	0.10	2.3	0.108	4.23	24.8	24.3	0.02	202	0.76	2.47	11.9	0.3	20	20.1
B0050620		20.4	0.10	2.5	0.134	4.32	22.9	23.0	0.02	195	1.73	2.56	12.6	0.2	20	22.0

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
B0050581		160.5	<0.002	0.48	0.05	3.1	1	3.7	124.0	0.98	0.27	10.75	0.123	1.28	3.9	7
B0050582		160.5	<0.002	0.34	<0.05	3.2	1	4.9	132.5	0.90	0.18	11.10	0.135	1.38	3.8	8
B0050583		144.5	<0.002	0.21	0.05	3.0	<1	6.2	129.5	0.86	0.33	11.15	0.134	1.12	3.8	8
B0050584		146.5	0.002	0.44	0.06	3.2	1	5.2	129.0	0.83	0.17	10.35	0.136	1.09	3.8	8
B0050585		163.0	0.002	0.32	0.06	3.2	1	3.7	128.0	0.89	0.17	10.05	0.135	1.17	3.6	8
B0050586		1.7	<0.002	<0.01	0.07	0.2	1	<0.2	76.5	<0.05	<0.05	0.10	0.005	0.03	0.2	1
B0050587		148.0	0.002	0.34	<0.05	3.0	<1	3.7	127.0	0.80	0.13	10.15	0.127	1.10	3.5	7
B0050588		146.0	<0.002	0.27	<0.05	3.2	1	5.8	130.5	0.96	0.11	11.55	0.133	1.12	3.9	8
B0050589		161.0	<0.002	0.31	0.06	3.0	1	4.8	110.5	0.93	0.13	11.15	0.100	1.37	4.2	5
B0050590		157.5	<0.002	0.39	<0.05	3.2	1	4.1	138.0	0.88	0.12	9.72	0.135	1.30	3.6	8
B0050591		198.0	0.002	0.21	0.05	3.7	1	5.9	145.5	0.93	0.19	10.60	0.144	1.62	5.5	8
B0050592		135.0	<0.002	0.01	0.06	4.2	<1	1.5	78.4	0.91	0.11	9.94	0.047	1.14	5.1	1
B0050593		137.5	0.002	0.01	<0.05	4.1	<1	1.3	75.1	0.87	0.11	9.12	0.047	1.08	4.6	1
B0050594		162.0	<0.002	0.18	<0.05	3.5	<1	5.4	144.0	1.02	0.07	10.90	0.135	1.30	4.6	8
B0050595		145.5	<0.002	0.29	0.07	3.6	1	3.8	123.5	0.97	0.20	9.59	0.123	1.19	4.8	6
B0050596		163.0	<0.002	0.16	0.10	3.2	<1	4.4	129.5	0.89	0.32	9.97	0.128	1.31	3.7	7
B0050597		182.5	<0.002	0.03	<0.05	3.1	<1	2.6	51.0	1.17	<0.05	13.35	0.046	1.09	6.7	1
B0050598		181.0	<0.002	0.02	<0.05	3.2	1	2.2	42.7	1.18	<0.05	14.90	0.043	1.01	7.7	1
B0050599		175.0	<0.002	0.04	<0.05	3.1	<1	2.3	43.9	1.20	<0.05	14.55	0.041	0.92	7.4	1
B0050600		194.0	<0.002	0.06	0.05	3.1	<1	7.6	44.4	1.27	<0.05	15.65	0.044	1.26	7.8	1
B0050601		121.5	0.005	1.30	31.3	7.1	6	107.5	246	0.56	1.10	9.63	0.232	1.38	12.3	55
B0050602		174.0	<0.002	0.03	0.09	2.9	<1	2.9	44.7	1.10	<0.05	14.40	0.042	1.17	7.0	1
B0050603		171.5	0.002	0.01	0.13	3.0	<1	2.7	48.8	0.97	<0.05	13.05	0.044	1.07	5.6	1
B0050604		192.0	<0.002	0.02	0.12	3.4	1	3.0	47.9	1.29	<0.05	14.80	0.043	0.96	7.4	1
B0050605		173.5	<0.002	0.04	0.06	3.1	1	2.6	45.3	1.15	0.07	13.70	0.042	0.99	6.1	1
B0050606		172.0	<0.002	0.02	0.08	3.0	<1	2.3	45.4	1.16	<0.05	14.80	0.044	0.91	6.8	1
B0050607		170.0	0.003	0.01	0.06	3.1	<1	2.1	42.1	1.20	<0.05	14.70	0.041	0.93	6.0	<1
B0050608		173.0	<0.002	0.01	0.06	3.2	<1	2.2	41.8	1.23	<0.05	14.45	0.042	0.94	5.8	1
B0050609		171.5	<0.002	0.01	0.06	3.1	<1	1.9	42.8	1.12	<0.05	14.80	0.042	0.90	7.1	1
B0050610		169.5	<0.002	0.02	0.11	2.9	1	2.4	44.0	0.97	0.31	13.30	0.042	0.95	6.2	1
B0050611		184.0	<0.002	0.02	0.07	3.3	<1	2.4	45.4	1.21	<0.05	15.25	0.041	0.98	7.3	1
B0050612		168.0	<0.002	0.04	0.05	3.3	1	2.2	42.3	1.21	<0.05	15.00	0.040	1.00	8.2	1
B0050613		170.5	0.002	0.01	0.07	3.4	<1	1.8	45.3	1.28	<0.05	15.10	0.040	0.83	7.7	1
B0050614		176.5	<0.002	0.01	0.07	3.3	1	3.6	42.3	1.36	0.23	14.25	0.041	1.17	5.8	1
B0050615		181.0	<0.002	0.01	0.49	3.1	1	5.4	39.3	1.27	0.31	13.80	0.041	1.65	4.1	1
B0050616		41.0	0.017	6.72	34.6	12.8	14	7.6	159.5	0.23	0.75	3.61	0.214	2.51	5.5	421
B0050617		161.5	<0.002	0.05	0.15	3.1	1	2.5	43.2	1.35	<0.05	15.10	0.043	0.92	7.5	1
B0050618		168.5	<0.002	0.03	0.22	2.8	1	6.6	37.1	1.26	0.09	14.60	0.038	1.54	7.0	1
B0050619		166.5	<0.002	0.01	0.14	3.2	<1	2.7	41.2	1.25	<0.05	14.60	0.043	1.17	5.7	1
B0050620		178.0	<0.002	0.01	0.10	3.4	<1	3.3	39.1	1.29	0.20	15.10	0.042	1.25	6.4	1

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

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www.alsglobal.com/geochemistry

To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290390

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
B0050581		1.2	26.2	94	18.5	0.008
B0050582		1.5	28.0	112	13.3	0.008
B0050583		1.1	28.9	125	12.4	0.022
B0050584		1.4	29.8	111	13.9	0.004
B0050585		1.8	27.9	100	13.6	0.004
B0050586		<0.1	2.5	4	1.5	<0.001
B0050587		1.3	26.9	88	13.8	0.005
B0050588		8.1	28.9	108	15.2	0.004
B0050589		1.7	24.5	101	25.1	0.002
B0050590		1.2	25.7	93	13.5	0.001
B0050591		1.5	30.7	149	15.8	0.009
B0050592		0.5	13.6	46	53.1	0.008
B0050593		0.4	12.7	45	46.2	0.006
B0050594		1.1	30.1	142	16.6	0.002
B0050595		1.6	22.8	101	17.7	0.006
B0050596		1.0	27.6	118	13.6	0.036
B0050597		0.3	15.5	165	67.0	<0.001
B0050598		0.4	17.6	124	78.1	<0.001
B0050599		0.4	17.3	201	68.5	<0.001
B0050600		0.9	18.6	435	78.1	<0.001
B0050601		32.1	29.8	167	75.1	0.773
B0050602		1.8	18.0	235	62.9	<0.001
B0050603		0.6	16.5	96	68.3	<0.001
B0050604		0.7	21.4	168	80.6	<0.001
B0050605		1.2	20.3	214	59.9	0.002
B0050606		0.5	20.7	133	64.7	0.011
B0050607		0.9	21.5	160	59.4	<0.001
B0050608		1.2	22.0	146	61.0	<0.001
B0050609		0.5	22.7	120	60.4	0.019
B0050610		21.5	17.9	85	55.6	0.010
B0050611		0.7	21.2	145	66.9	<0.001
B0050612		0.6	21.0	216	67.1	<0.001
B0050613		0.6	24.2	136	71.2	<0.001
B0050614		13.9	20.0	162	62.4	0.004
B0050615		3.5	17.3	171	66.5	0.006
B0050616		6.0	13.6	8530	28.6	1.550
B0050617		0.8	22.0	154	67.1	<0.001
B0050618		1.5	19.7	167	61.3	0.001
B0050619		1.2	19.6	115	69.0	<0.001
B0050620		1.2	20.3	118	71.8	0.005

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290390

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d	
LOG-23	PUL-31	PUL-31d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-ICP21	ME-MS61

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-DEC-2019
Account: MTT

CERTIFICATE WH19290392

Project: Meloy

P.O. No.: MY19-005

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

Signature:



Saa Traxler, General Manager, North Vancouver

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Project: Meloy

Finalized Date: 5-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290392

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
B0050621		8.15	0.52	6.32	2.7	420	3.49	0.27	0.42	0.94	53.8	0.2	7	3.11	51.3	0.89
B0050622		7.33	0.41	6.41	2.3	400	3.49	0.40	0.45	0.38	53.8	0.2	9	4.50	46.2	0.90
B0050623		8.32	0.59	6.48	2.0	430	3.47	0.53	0.46	0.21	53.5	0.2	22	5.19	59.5	1.00
B0050624		7.57	0.56	6.80	2.2	470	3.85	0.27	0.45	0.27	56.0	0.2	23	3.99	56.0	1.46
B0050625		7.71	0.67	6.33	2.4	390	4.07	0.61	0.44	0.51	48.3	0.2	9	4.90	68.5	0.91
B0050626		7.38	0.88	6.26	6.5	390	3.79	20.1	0.43	0.43	47.5	0.3	10	4.18	66.8	0.92
B0050627		5.08	0.01	0.16	0.2	30	0.09	0.14	33.0	<0.02	1.08	0.7	1	<0.05	2.4	0.13
B0050628		7.64	0.77	6.45	2.4	380	3.77	1.24	0.48	0.43	54.6	0.2	8	3.35	85.2	1.03
B0050629		7.43	0.60	6.24	2.4	390	3.79	7.53	0.43	0.24	51.8	0.3	7	3.22	56.0	0.90
B0050630		7.65	0.52	6.50	20.1	410	3.86	8.14	0.44	0.26	54.0	0.2	8	4.07	53.8	0.98
B0050631		7.75	0.36	6.44	3.1	400	3.97	0.45	0.45	0.37	54.0	0.2	9	2.98	54.4	0.87
B0050632		7.76	0.41	6.36	2.2	410	3.49	0.42	0.43	0.26	52.1	0.2	8	4.38	40.6	1.01
B0050633		7.65	0.30	6.41	1.8	400	3.78	0.62	0.42	0.32	47.4	0.2	8	3.04	41.6	0.95
B0050634		7.72	0.54	6.47	8.2	410	3.96	1.26	0.42	1.04	53.5	0.3	9	3.55	40.5	0.95
B0050635		7.62	0.92	6.40	12.3	400	4.05	2.03	0.38	0.62	39.6	0.3	5	3.55	95.6	1.01
B0050636		<0.02	0.88	6.43	12.7	410	3.90	1.85	0.39	0.62	40.5	0.4	5	3.45	96.3	1.00
B0050637		7.93	0.46	6.36	2.3	400	3.43	1.12	0.41	0.32	48.2	0.1	7	2.40	50.1	0.92
B0050638		7.74	0.57	6.33	14.5	400	3.29	2.97	0.39	0.64	43.7	0.2	5	2.57	84.0	0.90
B0050639		7.88	0.48	6.57	15.1	400	3.80	2.94	0.41	0.97	44.9	0.3	5	4.03	47.2	1.20
B0050640		7.20	0.49	6.36	2.1	420	3.59	1.48	0.44	0.69	49.2	0.2	7	3.41	46.3	0.92
B0050641		7.86	0.25	6.37	1.1	410	3.79	0.99	0.45	0.09	51.8	0.2	9	3.55	23.6	0.87
B0050642		7.80	0.30	6.48	2.6	400	4.65	1.98	0.45	0.98	53.6	0.2	7	4.02	36.5	0.91
B0050643		0.10	7.28	4.99	8580	1230	1.74	217	13.30	0.80	453	75.1	50	10.25	3440	9.37
B0050644		8.25	0.41	6.40	11.0	380	4.08	1.71	0.44	0.18	51.5	0.2	6	5.46	37.0	0.91
B0050645		7.44	0.59	6.13	4.3	370	3.79	1.39	0.42	0.25	53.6	0.2	7	4.43	37.5	0.90
B0050646		7.80	0.57	6.28	2.6	390	3.49	1.64	0.44	0.77	56.6	0.2	5	5.68	21.3	0.93
B0050647		7.93	0.55	6.19	8.3	380	3.92	2.31	0.42	0.48	49.7	0.2	5	5.29	73.6	0.99
B0050648		8.29	1.69	6.34	5.3	380	3.55	55.8	0.48	0.40	53.7	0.2	6	7.78	18.1	1.23
B0050649		3.44	2.15	6.34	7.5	370	4.07	264	0.53	0.33	54.7	0.2	6	8.65	19.4	1.44
B0050650		7.80	0.22	6.29	2.9	380	3.73	1.57	0.45	0.44	54.6	0.2	7	6.11	21.5	0.87
B0050651		8.14	0.25	6.26	2.7	290	4.17	5.30	0.45	0.07	49.2	0.1	7	5.21	35.2	0.88
B0050652		7.13	0.11	6.30	2.0	270	4.26	2.51	0.44	0.07	49.8	0.2	8	6.00	12.3	0.86
B0050653		7.77	0.16	6.22	2.4	270	3.81	2.98	0.43	0.16	41.0	0.2	7	4.01	21.8	0.88
B0050654		6.79	0.20	6.20	3.7	270	3.54	2.04	0.43	0.28	38.3	0.1	6	4.38	19.2	0.88
B0050655		0.13	29.5	7.31	140.5	100	0.54	9.70	5.98	32.7	26.7	95.0	109	1.56	6640	9.52
B0050656		6.86	0.26	6.29	1.9	290	3.57	5.38	0.44	0.47	41.1	0.2	8	4.33	11.4	0.86
B0050657		8.29	0.10	6.37	1.4	270	3.58	1.55	0.44	0.49	43.3	0.1	7	5.91	10.6	0.87
B0050658		7.55	0.26	6.28	9.3	260	3.41	2.42	0.41	0.64	49.1	0.2	6	5.57	44.4	1.13
B0050659		7.49	0.91	6.21	11.7	250	3.56	5.21	0.40	2.35	31.9	0.2	4	4.80	49.8	0.83
B0050660		3.85	2.08	6.26	21.6	270	3.27	2.12	0.38	6.25	46.1	0.3	3	7.50	260	0.85

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

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290392

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
B0050621		18.20	0.07	2.1	0.068	3.94	23.5	19.3	0.02	199	1.50	2.58	10.8	0.5	20	20.4
B0050622		18.15	0.08	2.2	0.059	3.93	24.5	18.6	0.02	201	15.70	2.58	11.4	0.4	20	20.5
B0050623		18.35	0.07	1.9	0.099	4.02	23.7	23.5	0.02	214	1.13	2.52	10.9	0.6	10	20.1
B0050624		20.3	0.08	1.9	0.246	4.29	24.7	46.5	0.02	317	1.73	2.39	11.2	0.5	20	19.1
B0050625		18.60	0.07	2.2	0.078	3.99	21.2	19.9	0.02	195	0.70	2.54	11.7	0.3	20	21.1
B0050626		18.30	0.07	2.3	0.088	3.95	21.6	20.3	0.02	176	3.25	2.48	11.0	0.3	20	19.9
B0050627		0.52	0.14	0.1	0.005	0.04	1.1	0.9	2.14	125	0.05	0.09	0.2	0.7	80	<0.5
B0050628		18.85	0.17	2.6	0.103	4.12	24.5	24.9	0.02	234	0.41	2.49	11.4	0.3	20	31.3
B0050629		18.65	0.17	2.3	0.078	3.92	23.0	24.2	0.02	187	0.28	2.47	10.7	0.4	20	28.5
B0050630		18.35	0.15	2.3	0.086	4.09	24.5	25.5	0.03	235	0.72	2.53	11.3	0.4	20	36.4
B0050631		18.45	0.15	2.5	0.054	4.04	24.1	26.8	0.02	245	1.57	2.65	10.4	0.3	20	30.5
B0050632		17.80	0.16	1.9	0.115	4.11	23.4	32.3	0.02	248	3.67	2.47	10.6	0.3	20	36.8
B0050633		18.20	0.14	2.2	0.083	4.03	21.2	27.8	0.02	247	0.59	2.53	11.4	0.3	10	18.6
B0050634		18.65	0.16	2.3	0.083	4.09	25.4	27.2	0.02	247	0.24	2.45	12.0	0.3	20	20.0
B0050635		18.20	0.11	2.3	0.100	3.96	18.6	25.0	0.02	309	0.27	2.42	10.5	0.3	20	23.8
B0050636		18.45	0.14	2.2	0.096	4.09	19.0	25.0	0.02	311	0.27	2.44	9.6	0.3	20	23.0
B0050637		17.70	0.11	2.3	0.068	3.99	22.1	25.5	0.02	226	0.11	2.48	11.2	0.3	20	18.3
B0050638		18.00	0.12	2.2	0.063	3.90	20.2	24.1	0.02	279	0.25	2.31	10.7	0.3	20	23.5
B0050639		19.50	0.10	2.0	0.185	4.07	19.9	37.7	0.03	420	0.42	2.29	11.7	0.3	20	20.7
B0050640		18.15	0.12	1.9	0.057	3.99	22.1	24.8	0.02	199	1.71	2.51	10.7	0.3	10	20.9
B0050641		17.80	0.13	1.9	0.039	4.01	23.5	24.9	0.02	181	0.64	2.59	10.5	0.3	10	21.1
B0050642		18.95	0.13	2.0	0.036	4.06	23.7	27.1	0.02	186	0.42	2.62	11.5	0.3	20	23.8
B0050643		18.45	0.33	1.6	1.785	1.96	246	44.8	1.40	2400	14.65	0.84	8.3	40.6	970	34.9
B0050644		18.35	0.13	1.8	0.058	4.04	23.4	27.2	0.02	167	0.17	2.47	11.6	0.4	10	24.7
B0050645		18.10	0.11	1.5	0.070	3.81	23.9	30.9	0.02	175	0.21	2.40	11.0	0.3	10	40.4
B0050646		19.05	0.13	1.8	0.077	3.88	25.2	35.5	0.02	213	0.54	2.52	11.4	0.3	10	32.8
B0050647		18.75	0.11	1.7	0.096	3.91	22.0	34.8	0.02	187	1.72	2.43	11.5	0.3	20	35.4
B0050648		18.45	0.13	1.7	0.233	3.89	24.5	32.5	0.02	219	0.72	2.29	10.9	0.3	10	20.5
B0050649		20.1	0.11	1.7	0.399	3.76	24.0	39.7	0.03	235	3.11	2.16	11.4	0.3	10	21.6
B0050650		19.10	0.09	1.7	0.049	3.98	24.6	21.4	0.02	180	0.71	2.54	11.5	0.3	10	23.6
B0050651		19.30	0.10	3.0	0.054	3.94	20.9	21.6	0.01	173	3.55	2.56	14.1	0.3	10	21.5
B0050652		19.10	0.11	2.9	0.054	3.95	21.5	21.4	0.01	164	5.06	2.61	13.7	0.3	10	23.1
B0050653		19.05	0.19	3.3	0.053	3.87	19.9	20.7	0.01	165	4.73	2.52	13.2	1.4	10	23.4
B0050654		18.80	0.18	3.3	0.060	3.87	17.8	27.2	0.01	160	4.70	2.43	11.7	0.4	10	21.9
B0050655		11.40	0.14	0.8	2.28	1.04	13.9	8.7	2.21	887	54.1	0.83	2.6	378	680	8610
B0050656		18.40	0.20	3.6	0.041	3.88	20.0	28.9	0.02	161	5.60	2.48	14.2	0.5	10	28.1
B0050657		19.40	0.16	3.3	0.051	3.97	20.5	21.0	0.02	165	0.58	2.51	12.4	0.3	10	23.1
B0050658		19.50	0.18	3.6	0.070	3.81	24.4	29.6	0.02	235	0.50	2.22	11.0	0.4	10	30.7
B0050659		19.10	0.15	3.8	0.034	3.83	12.7	17.8	0.02	543	1.19	2.28	12.6	0.4	20	23.3
B0050660		18.70	0.14	3.5	0.073	3.94	18.1	19.7	0.04	1810	3.99	2.02	11.0	0.3	10	27.1

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 5-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290392

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
B0050621		171.0	<0.002	0.01	0.06	3.4	1	2.5	41.2	1.16	<0.05	14.00	0.040	0.95	5.1	1
B0050622		168.0	<0.002	0.01	0.10	3.4	1	2.1	38.4	1.29	<0.05	14.70	0.039	0.95	8.2	1
B0050623		180.0	0.002	0.01	0.10	3.4	1	2.7	39.5	1.19	<0.05	14.90	0.040	1.18	6.2	1
B0050624		206	<0.002	0.01	0.10	3.6	<1	6.0	39.7	1.07	<0.05	14.20	0.040	1.63	8.0	1
B0050625		179.0	0.002	<0.01	0.11	3.4	1	2.5	36.8	1.31	0.08	14.05	0.040	1.07	4.8	1
B0050626		175.5	<0.002	<0.01	0.06	3.4	1	2.4	37.7	1.19	0.28	13.70	0.039	1.04	4.3	<1
B0050627		1.1	<0.002	<0.01	0.05	0.2	1	<0.2	77.8	<0.05	<0.05	0.16	0.005	<0.02	0.2	1
B0050628		182.0	<0.002	<0.01	0.07	3.7	<1	3.0	37.1	1.30	0.06	15.25	0.039	1.23	5.5	<1
B0050629		170.0	<0.002	<0.01	0.05	3.5	1	2.1	39.6	1.13	0.59	14.40	0.039	1.03	3.6	<1
B0050630		173.0	0.002	<0.01	0.12	3.5	1	2.1	42.3	1.17	0.65	14.35	0.040	1.13	6.3	1
B0050631		168.0	0.002	0.01	0.10	3.4	<1	1.8	39.5	1.19	0.05	15.00	0.039	0.97	6.5	<1
B0050632		175.5	0.002	<0.01	0.12	3.4	1	3.7	41.8	1.12	<0.05	13.90	0.038	1.34	4.6	<1
B0050633		163.5	<0.002	<0.01	0.06	3.5	<1	2.0	39.0	1.18	<0.05	13.85	0.040	1.03	5.1	<1
B0050634		169.5	0.002	<0.01	0.07	3.4	1	2.4	43.4	1.22	0.08	14.00	0.040	1.26	3.9	<1
B0050635		170.5	<0.002	<0.01	0.06	3.3	1	2.6	39.1	1.16	0.12	14.35	0.039	1.26	3.8	<1
B0050636		170.5	<0.002	<0.01	0.06	3.3	<1	2.5	38.9	1.13	0.10	13.80	0.038	1.24	3.7	<1
B0050637		160.5	<0.002	<0.01	<0.05	3.3	1	1.9	39.9	1.21	0.09	13.85	0.038	1.05	3.8	<1
B0050638		161.0	<0.002	<0.01	0.05	3.4	1	1.9	41.2	1.16	0.26	13.70	0.039	1.10	3.8	<1
B0050639		182.0	<0.002	<0.01	0.05	3.7	<1	5.3	39.1	1.25	0.28	14.10	0.039	1.55	3.7	1
B0050640		174.5	<0.002	0.01	<0.05	3.4	1	1.5	39.5	1.08	0.12	13.20	0.039	1.23	6.1	<1
B0050641		173.5	0.002	<0.01	<0.05	3.4	1	1.1	39.6	1.14	0.13	13.80	0.040	1.21	6.5	1
B0050642		195.5	<0.002	<0.01	<0.05	3.7	1	1.3	41.8	1.29	0.15	15.30	0.039	1.30	10.3	<1
B0050643		120.5	0.002	1.34	30.4	7.6	6	106.5	249	0.56	1.04	9.54	0.232	1.34	13.3	55
B0050644		193.0	0.002	<0.01	0.06	3.6	1	1.9	39.6	1.20	0.14	14.50	0.039	1.36	3.3	<1
B0050645		188.5	<0.002	<0.01	0.05	3.4	1	3.4	38.6	1.20	0.13	14.15	0.037	1.37	3.6	<1
B0050646		191.0	<0.002	<0.01	0.08	3.6	1	5.1	40.2	1.13	0.08	14.75	0.038	1.42	4.0	<1
B0050647		188.5	<0.002	0.01	0.11	3.5	1	3.6	36.9	1.19	0.17	13.85	0.037	1.46	5.6	<1
B0050648		190.5	<0.002	<0.01	0.07	3.4	1	4.7	36.0	1.20	3.28	14.60	0.039	1.64	5.2	<1
B0050649		194.5	<0.002	<0.01	0.09	3.8	1	6.2	36.1	1.26	10.85	14.10	0.038	1.67	6.1	<1
B0050650		179.5	<0.002	<0.01	0.09	3.6	1	2.7	37.3	1.18	0.09	14.65	0.038	1.19	5.1	<1
B0050651		192.5	0.002	0.01	0.07	3.9	<1	2.0	31.4	1.54	0.37	17.55	0.036	1.28	9.0	<1
B0050652		192.5	0.002	<0.01	0.09	3.9	1	2.6	29.6	1.50	0.18	15.85	0.034	1.35	6.9	<1
B0050653		178.0	<0.002	0.01	0.25	3.6	1	2.4	28.4	1.42	0.21	16.75	0.034	1.24	9.0	<1
B0050654		176.0	<0.002	<0.01	0.10	3.5	<1	2.9	29.4	1.32	0.30	14.20	0.034	1.19	6.7	<1
B0050655		40.9	0.012	6.27	30.9	11.8	11	7.0	151.5	0.20	0.58	3.54	0.197	2.33	5.4	384
B0050656		171.5	<0.002	0.01	0.12	3.6	1	2.9	31.5	1.47	0.94	15.45	0.035	1.20	7.2	1
B0050657		180.0	<0.002	<0.01	0.12	3.6	<1	3.1	29.5	1.31	0.19	16.60	0.034	1.25	6.9	<1
B0050658		182.0	<0.002	<0.01	0.10	3.7	1	9.1	27.4	1.15	0.25	15.85	0.034	1.57	6.7	<1
B0050659		168.5	<0.002	<0.01	0.08	3.6	<1	2.2	32.8	1.31	0.44	14.80	0.034	1.23	6.7	<1
B0050660		169.5	<0.002	<0.01	0.09	3.5	1	3.9	47.2	1.16	0.15	14.25	0.036	1.27	6.7	<1

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290392

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
B0050621		0.5	19.5	108	59.8	<0.001
B0050622		0.5	20.0	74	56.8	<0.001
B0050623		4.3	19.1	81	54.9	<0.001
B0050624		1.7	19.7	139	53.7	<0.001
B0050625		0.7	19.7	89	62.6	<0.001
B0050626		29.5	19.2	149	64.1	0.003
B0050627		0.1	2.1	4	2.1	0.001
B0050628		0.7	20.9	113	71.0	0.002
B0050629		0.6	19.9	124	63.6	0.088
B0050630		0.8	21.6	119	64.8	0.047
B0050631		0.5	20.7	81	65.8	<0.001
B0050632		0.7	18.9	90	53.1	<0.001
B0050633		0.5	18.5	92	59.9	0.001
B0050634		0.9	19.1	129	58.9	0.001
B0050635		1.3	18.7	159	62.1	0.008
B0050636		1.3	18.3	160	60.1	0.011
B0050637		0.6	17.8	109	61.2	0.004
B0050638		0.8	16.5	141	59.6	0.029
B0050639		1.4	16.9	136	53.1	0.035
B0050640		0.3	15.4	70	53.5	0.012
B0050641		0.2	15.6	51	50.9	0.004
B0050642		0.3	19.4	55	52.9	0.003
B0050643		28.1	29.1	174	58.3	0.761
B0050644		0.4	16.3	75	48.8	0.002
B0050645		0.5	14.5	114	42.4	0.006
B0050646		0.6	17.5	122	49.2	<0.001
B0050647		0.6	15.6	148	47.6	0.005
B0050648		1.2	17.0	111	46.9	0.116
B0050649		1.8	19.2	131	47.7	0.521
B0050650		0.5	16.0	67	48.8	0.001
B0050651		0.5	19.7	55	78.8	0.005
B0050652		0.6	22.1	55	75.7	0.004
B0050653		0.7	20.7	59	87.5	0.004
B0050654		0.6	17.9	69	86.7	0.007
B0050655		6.0	11.8	8040	25.0	1.305
B0050656		0.9	20.4	73	89.3	0.113
B0050657		0.7	20.2	55	93.6	0.004
B0050658		1.3	14.6	219	100.5	0.011
B0050659		1.4	15.0	289	99.4	0.022
B0050660		2.2	13.7	583	85.3	0.004

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 5-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290392

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REE's may not be totally soluble in this method.

Applies to Method: ME-MS61

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
CRU-31	CRU-QC	LOG-21	LOG-21d	
LOG-23	PUL-31	PUL-31d	PUL-QC	
SPL-21	SPL-21d	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
Au-ICP21	ME-MS61		

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE WH19290393

Project: Meloy

P.O. No.: MY19-006

This report is for 14 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

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

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

Signature:



Saa Traxler, General Manager, North Vancouver

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Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290393

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
B0050661		3.42	1.67	6.66	56.7	270	3.51	3.01	0.37	4.16	38.4	0.3	3	7.99	421	1.22
B0050662		3.34	0.22	6.49	4.5	290	3.54	3.43	0.42	0.98	51.4	0.2	4	5.53	18.2	0.98
B0050663		7.58	0.17	6.46	4.3	290	3.67	2.64	0.43	1.32	37.9	0.2	5	5.97	23.5	1.05
B0050664		7.37	0.19	6.22	1.4	290	3.53	14.70	0.44	1.00	40.8	0.2	6	5.05	11.1	0.96
W597396		<0.02	0.17	6.45	1.3	300	3.75	14.80	0.46	1.02	40.8	0.2	6	5.17	11.6	0.97
B0050665		7.32	0.09	6.52	1.1	290	3.57	1.93	0.48	2.00	48.2	0.2	8	4.04	12.9	0.93
B0050666		7.42	0.08	6.53	0.9	310	3.44	2.55	0.47	0.33	43.9	0.2	8	4.25	5.3	1.10
B0050667		7.65	0.10	6.64	1.3	350	3.16	1.63	0.50	1.55	43.3	0.2	8	4.38	14.3	1.08
B0050668		7.68	0.09	6.64	0.6	250	4.37	1.02	0.47	0.68	43.5	0.2	6	5.32	12.5	1.01
B0050669		5.18	0.01	0.22	<0.2	40	0.10	0.01	33.6	0.02	1.17	1.0	2	<0.05	4.2	0.14
B0050670		8.03	0.09	6.51	0.9	210	3.72	0.99	0.50	0.35	39.8	0.2	6	6.29	6.4	0.94
B0050671		7.88	0.06	6.46	0.7	220	3.51	2.12	0.47	0.09	37.2	0.2	6	5.17	2.9	0.91
B0050672		8.10	0.05	6.41	0.5	200	3.65	1.92	0.46	0.07	37.4	0.2	7	4.69	1.6	0.97
W597395		0.10	6.24	4.89	8590	1220	1.61	206	13.20	1.10	390	76.8	49	9.55	3370	9.12

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To: **STRATEGIC METALS LTD.**
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Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290393

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
B0050661		21.3	0.09	3.2	1.335	4.02	20.4	42.0	0.03	958	2.82	1.89	12.6	0.3	20	36.9
B0050662		19.40	0.10	3.2	0.050	4.20	23.9	25.1	0.02	161	0.32	2.44	11.9	0.3	10	23.5
B0050663		19.05	0.08	3.3	0.093	4.14	17.6	36.2	0.02	229	0.72	2.33	12.3	0.3	10	23.0
B0050664		18.50	0.10	3.3	0.039	4.05	18.7	19.5	0.02	142	1.07	2.39	11.2	0.3	10	21.7
W597396		18.90	0.09	3.4	0.033	4.21	19.4	20.0	0.02	144	1.03	2.45	12.4	0.4	10	22.1
B0050665		20.2	0.11	2.9	0.033	4.16	22.2	18.0	0.02	136	8.42	2.58	11.4	0.4	10	22.3
B0050666		19.25	0.10	3.1	0.061	4.23	20.0	19.6	0.02	150	30.5	2.45	11.1	0.4	10	23.0
B0050667		19.60	0.10	2.6	0.035	4.42	20.0	19.7	0.02	161	20.9	2.50	10.9	0.4	20	20.4
B0050668		20.8	0.11	3.7	0.040	4.31	19.6	19.7	0.02	151	10.20	2.60	14.8	0.3	10	23.8
B0050669		0.62	0.09	0.1	0.007	0.05	1.1	1.1	1.99	125	0.17	0.11	0.4	1.0	110	0.6
B0050670		19.70	0.15	3.2	0.032	4.18	18.0	15.7	0.02	152	26.7	2.62	13.5	0.4	10	24.1
B0050671		19.60	0.11	4.1	0.028	4.17	16.8	17.6	0.01	118	51.9	2.59	12.6	0.3	10	23.9
B0050672		19.65	0.11	3.9	0.031	4.22	16.3	20.5	0.01	118	24.3	2.55	13.4	0.4	10	23.4
W597395		18.45	0.35	1.8	1.625	1.98	234	35.7	1.37	2360	14.45	0.83	9.6	38.9	950	34.1

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290393

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
B0050661		194.5	<0.002	<0.01	0.32	3.7	<1	66.8	38.0	1.27	0.24	14.10	0.036	1.75	7.0	1
B0050662		175.0	<0.002	<0.01	0.16	3.5	1	3.2	31.8	1.16	0.17	14.90	0.038	1.55	5.6	1
B0050663		179.0	<0.002	<0.01	0.14	3.5	1	7.3	30.5	1.29	0.18	13.55	0.037	1.62	6.0	1
B0050664		164.0	<0.002	<0.01	0.09	3.3	1	1.9	30.4	1.22	0.81	13.30	0.036	1.24	6.1	1
W597396		168.5	<0.002	<0.01	0.12	3.3	1	2.1	31.6	1.37	0.92	13.85	0.038	1.34	6.2	1
B0050665		171.0	<0.002	0.01	0.10	3.5	1	1.7	31.6	1.17	0.14	12.95	0.037	1.19	6.8	1
B0050666		176.5	<0.002	0.01	0.10	3.3	<1	2.4	31.3	1.13	0.20	12.85	0.039	1.52	6.3	<1
B0050667		154.0	<0.002	0.01	0.08	3.3	1	1.7	36.7	1.17	0.14	12.05	0.049	1.21	5.7	1
B0050668		182.5	<0.002	<0.01	0.09	4.2	1	2.3	28.3	1.55	0.06	15.60	0.042	1.40	7.8	1
B0050669		1.4	<0.002	0.02	0.08	0.7	1	<0.2	77.4	<0.05	<0.05	0.14	0.027	0.02	0.2	6
B0050670		181.0	<0.002	<0.01	0.09	3.6	1	2.6	25.2	1.52	0.06	14.40	0.034	1.31	7.6	<1
B0050671		173.0	<0.002	0.01	0.08	3.5	1	1.9	26.6	1.36	0.09	15.05	0.035	1.45	9.0	<1
B0050672		173.5	<0.002	<0.01	0.07	3.7	1	1.8	25.0	1.47	0.07	14.95	0.033	1.53	7.8	<1
W597395		116.0	0.003	1.29	33.7	7.0	6	105.5	246	0.62	1.02	9.40	0.231	1.31	12.7	56

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

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

Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290393

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
B0050661		3.1	19.4	967	89.0	0.046
B0050662		0.9	12.1	160	90.6	0.005
B0050663		1.2	13.5	211	91.4	0.009
B0050664		0.5	13.1	117	90.7	0.058
W597396		0.6	14.2	121	91.1	0.054
B0050665		0.4	13.2	77	77.7	0.021
B0050666		0.7	13.7	74	87.8	0.016
B0050667		0.7	12.0	102	72.0	0.010
B0050668		0.5	17.2	82	93.4	0.002
B0050669		0.1	2.7	5	3.7	<0.001
B0050670		0.5	18.3	50	82.8	0.002
B0050671		0.4	15.2	44	108.0	0.007
B0050672		0.5	15.0	46	101.0	0.002
W597395		32.4	27.9	165	62.6	0.779

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

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Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290393

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	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-ICP21	ME-MS61

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE WH19290397

Project: Meloy

P.O. No.: MY19-007

This report is for 8 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 15-NOV-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize up to 250g 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

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

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

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

Signature:



Saa Traxler, General Manager, North Vancouver

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1016-510 W HASTINGS ST
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Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290397

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
W597501		7.62	0.36	6.65	2.9	610	3.63	0.20	0.47	3.38	61.8	0.4	12	3.89	76.8	0.91
W597502		6.94	0.46	6.83	0.9	590	4.09	0.23	0.44	3.67	62.1	0.3	7	3.32	102.5	0.93
W597503		7.30	1.57	6.75	0.9	580	4.06	1.34	0.45	4.09	59.1	0.3	7	3.68	498	1.08
W597504		8.04	0.75	6.92	0.8	580	4.41	0.26	0.47	4.15	61.5	0.3	6	3.90	200	0.91
W597505		0.10	7.28	5.22	9070	1290	1.66	209	14.35	1.22	411	78.4	49	10.40	3590	9.73
W597506		7.43	0.30	6.87	5.6	570	3.67	0.28	0.48	6.38	57.7	0.3	10	4.19	75.7	0.91
W597507		7.78	0.30	6.88	1.2	550	3.87	0.23	0.48	6.74	63.1	0.3	8	4.44	91.9	0.93
W597508		5.15	0.01	0.07	0.3	20	0.07	0.04	34.4	0.03	1.05	0.6	1	<0.05	4.5	0.11

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

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Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290397

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	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	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	0.5
W597501		19.00	0.11	2.6	0.062	4.23	30.6	19.3	0.02	239	6.43	2.62	16.2	0.8	20	21.9
W597502		19.60	0.12	2.4	0.086	4.33	31.0	21.2	0.02	184	10.85	2.68	12.5	0.3	20	20.9
W597503		19.95	0.11	2.2	0.136	4.28	29.6	27.9	0.02	217	18.05	2.50	13.1	0.3	20	21.3
W597504		20.3	0.12	2.5	0.065	4.40	30.2	24.1	0.02	177	6.15	2.74	13.3	0.4	20	22.6
W597505		19.35	0.38	2.0	1.725	2.10	250	35.7	1.45	2460	16.60	0.88	10.1	41.0	1000	36.2
W597506		21.3	0.10	2.8	0.095	4.32	28.0	23.9	0.02	197	10.90	2.77	14.4	0.5	30	23.6
W597507		20.6	0.11	2.7	0.072	4.37	30.8	21.7	0.02	211	13.20	2.74	14.0	0.3	20	23.5
W597508		0.25	0.12	<0.1	<0.005	0.02	1.2	0.8	1.91	132	0.13	0.03	0.1	0.6	70	<0.5

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

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Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290397

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	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	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	1
W597501		166.5	<0.002	0.04	0.16	3.1	<1	2.1	44.3	1.64	<0.05	16.50	0.042	0.90	8.0	1
W597502		178.0	<0.002	0.02	0.08	3.1	1	2.6	45.7	1.31	<0.05	15.35	0.043	0.99	7.1	1
W597503		187.0	<0.002	0.08	0.08	3.2	1	6.1	45.0	1.34	<0.05	15.30	0.042	1.27	6.7	1
W597504		184.0	<0.002	0.05	0.08	3.3	<1	3.0	46.7	1.43	<0.05	16.25	0.044	1.12	8.6	1
W597505		120.0	0.002	1.38	35.9	7.3	7	110.0	260	0.63	1.12	10.70	0.242	1.42	13.7	58
W597506		187.0	<0.002	0.05	0.12	3.2	1	3.0	46.6	1.45	<0.05	17.05	0.043	1.11	9.1	1
W597507		178.0	<0.002	0.04	0.08	3.2	<1	3.3	44.3	1.43	<0.05	16.70	0.041	1.07	8.5	1
W597508		0.6	<0.002	<0.01	0.09	0.2	1	<0.2	80.9	<0.05	<0.05	0.08	0.005	<0.02	0.1	1

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

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Finalized Date: 3-DEC-2019
Account: MTT

Project: Meloy

CERTIFICATE OF ANALYSIS WH19290397

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Au-ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.1	2	0.5	0.001
W597501		0.8	22.6	282	71.8	<0.001
W597502		0.6	21.1	202	70.5	<0.001
W597503		0.9	21.2	266	66.0	<0.001
W597504		0.5	21.2	212	71.4	<0.001
W597505		33.8	29.3	179	67.3	0.821
W597506		0.5	21.2	323	80.4	<0.001
W597507		0.6	20.2	248	76.8	<0.001
W597508		<0.1	2.1	4	1.4	<0.001

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

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Meloy

Finalized Date: 3-DEC-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19290397

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	LOG-23
PUL-31	PUL-QC	SPL-21	WEI-21

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

Au-ICP21	ME-MS61

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2019
Account: MTT

CERTIFICATE WH19191829

Project: MELOY

This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-AUG-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
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	
Zn-OG62	Ore Grade Zn - 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

Finalized Date: 25-AUG-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19191829

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
K291801		2.22	0.032	>100	2.15	>10000	230	1.82	77.0	0.02	357	4.21	1.3	17	5.02	8000
K291802		1.28	0.028	78.1	5.22	6480	320	4.73	51.7	0.72	57.1	52.3	2.1	11	27.3	3440
K291803		2.06	0.015	>100	3.83	>10000	340	3.52	15.10	0.12	93.7	42.9	0.9	13	13.55	5520
K291804		1.60	0.095	37.5	2.74	>10000	240	1.40	95.4	0.03	11.25	166.0	2.0	13	2.00	1310
K291805		1.49	<0.001	37.6	2.24	1320	130	1.29	27.1	0.40	21.3	28.5	1.0	17	2.70	1245
K291806		1.72	0.327	>100	4.03	222	290	3.19	117.0	2.96	6.29	17.25	1.0	57	17.65	9010
K291807		1.41	0.004	1.05	6.35	10.9	360	2.37	1.61	0.27	1.26	61.5	0.3	12	1.46	99.5
K291808		2.89	<0.001	0.47	6.96	4.9	800	2.46	1.63	0.43	0.36	74.1	0.5	10	3.07	40.4
K291809		1.18	0.041	>100	5.01	46.0	420	1.34	194.0	0.26	4.65	53.3	0.3	14	2.21	>10000
K291810		1.00	0.002	2.08	1.38	250	100	1.34	1.93	0.11	2.97	109.5	1.0	18	4.35	254
K291811		1.10	3.07	14.35	3.09	9.0	430	2.30	1110	0.26	0.03	43.7	0.4	13	4.08	473
K291812		2.17	0.323	>100	2.37	531	200	1.20	376	0.83	18.15	25.2	2.0	14	2.97	>10000
K291813		3.19	0.044	>100	3.80	194.5	300	1.99	324	0.43	0.43	52.9	0.9	17	3.81	>10000
K291814		1.75	0.294	>100	1.21	2440	90	0.58	717	0.05	3.86	18.95	6.8	14	1.08	>10000
K291815		1.62	0.056	33.2	1.33	>10000	90	1.05	32.7	0.03	102.0	14.50	16.7	18	1.49	7170

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

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25-AUG-2019
Account: MTT

Project: MELOY

CERTIFICATE OF ANALYSIS WH19191829

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	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
K291801		3.83	9.04	0.09	0.1	17.45	1.23	1.9	66.1	0.06	814	16.90	0.19	5.0	0.5	20
K291802		2.58	19.45	0.19	0.7	4.16	2.87	21.7	278	0.19	917	3.12	0.05	20.9	0.5	210
K291803		2.52	12.45	0.13	0.3	5.84	2.04	19.3	109.0	0.10	1100	2.99	0.04	13.6	0.6	100
K291804		2.28	9.23	0.22	0.8	1.810	1.29	92.0	43.8	0.03	450	3.01	0.04	12.1	0.5	50
K291805		2.78	10.55	0.11	0.4	1.935	0.93	19.2	55.1	0.07	397	3.82	0.02	3.9	0.6	20
K291806		2.70	13.90	0.10	0.5	139.0	2.49	8.4	327	0.68	763	6.58	0.04	3.8	1.8	240
K291807		1.08	19.30	0.18	1.1	0.780	4.02	27.4	10.7	0.02	136	2.54	3.03	14.5	0.6	40
K291808		1.48	22.3	0.18	1.3	0.603	4.06	33.9	19.3	0.07	234	1.89	3.02	19.6	0.6	130
K291809		2.58	14.05	0.14	1.5	1.580	2.54	26.3	67.4	0.02	312	29.9	0.32	7.7	0.4	20
K291810		2.07	6.86	0.18	0.6	0.178	0.52	49.4	62.1	0.10	785	701	0.14	11.6	0.9	110
K291811		1.19	8.91	0.11	0.4	0.248	1.58	20.6	32.6	0.06	168	3590	0.85	10.3	0.6	110
K291812		6.67	10.05	0.12	0.4	94.8	1.08	11.6	52.5	0.04	293	23.9	0.03	7.4	0.6	40
K291813		2.48	15.15	0.14	0.7	3.53	1.79	24.3	89.4	0.07	491	23.5	0.04	12.1	0.5	80
K291814		2.40	5.79	0.07	0.2	8.89	0.54	8.6	40.9	0.02	858	41.3	0.01	0.3	0.5	20
K291815		6.14	7.41	0.12	0.3	1.675	0.67	6.2	37.4	0.04	163	5.02	0.02	3.8	0.6	20

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

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: MELOY

Finalized Date: 25-AUG-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19191829

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	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
K291801		122.5	88.1	0.006	2.82	5.81	1.0	6	>500	8.0	0.08	0.49	0.46	0.010	1.38	2.4
K291802		41.2	296	<0.002	0.16	5.06	4.6	2	165.5	218	0.68	0.25	5.27	0.153	3.67	3.8
K291803		31.6	171.5	0.011	0.27	178.5	2.4	1	>500	10.4	0.32	0.05	4.78	0.074	2.67	3.3
K291804		1065	87.3	0.009	0.45	3.69	1.3	5	91.8	35.5	0.54	0.38	7.23	0.023	1.65	29.9
K291805		382	80.6	<0.002	0.04	2.29	0.8	3	37.7	12.6	0.20	0.05	2.46	0.018	1.07	3.4
K291806		34.3	276	<0.002	0.12	0.26	6.0	6	102.5	17.2	0.21	2.92	1.54	0.154	3.20	0.9
K291807		20.2	118.0	<0.002	0.35	0.13	1.0	<1	3.7	38.9	0.81	<0.05	8.87	0.062	0.94	2.4
K291808		15.4	142.5	<0.002	0.01	0.07	2.3	<1	5.0	85.2	1.01	<0.05	10.85	0.102	1.17	4.1
K291809		12.5	158.0	<0.002	0.70	0.09	2.4	9	15.7	14.6	0.74	3.94	10.30	0.034	1.77	4.2
K291810		19.0	51.5	<0.002	0.08	0.62	1.6	1	21.9	7.1	0.68	0.13	16.10	0.091	0.66	7.1
K291811		13.2	109.0	<0.002	0.19	0.47	1.5	4	14.3	41.1	0.53	35.0	6.71	0.074	1.24	4.5
K291812		6.1	105.5	0.003	4.30	0.60	0.8	34	490	4.5	0.34	6.80	3.45	0.033	1.53	1.2
K291813		52.9	154.0	0.004	0.92	0.31	1.6	18	128.0	5.3	0.60	2.90	7.01	0.066	1.98	1.7
K291814		18.2	50.9	<0.002	1.19	0.56	1.0	7	116.0	1.7	<0.05	5.77	2.48	0.015	0.95	1.9
K291815		35.3	65.9	0.002	3.66	25.8	0.8	31	165.0	2.0	0.22	1.65	2.62	0.019	0.78	1.0

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: MELOY

Finalized Date: 25-AUG-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19191829

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Ag-OG62	Cu-OG62	Zn-OG62
	Analyte	V	W	Y	Zn	Zr	Ag	Cu	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	1	0.1	0.1	2	0.5	1	0.001	0.001
K291801		2	1790	2.4	>10000	1.0	168		2.44
K291802		10	67.0	15.8	1030	10.8			
K291803		5	2790	8.9	1130	6.6	179		
K291804		1	2050	75.6	101	18.9			
K291805		3	27.6	17.7	532	7.4			
K291806		44	384	8.3	641	17.6	114		
K291807		2	3.2	18.2	174	22.5			
K291808		5	3.3	30.1	61	23.6			
K291809		1	13.2	10.6	217	46.9	144	1.765	
K291810		6	5.3	21.6	147	11.3			
K291811		4	13.6	8.2	52	8.5			
K291812		2	730	8.9	1120	6.8	134	4.96	
K291813		3	1280	9.2	84	15.9	320	1.695	
K291814		1	830	4.3	172	3.8	136	1.460	
K291815		2	387	2.3	3400	6.3			

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Project: MELOY

Finalized Date: 25-AUG-2019
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CERTIFICATE OF ANALYSIS WH19191829

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-ICP21	Cu-OG62	ME-MS61
ME-OG62	Zn-OG62		

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Finalized Date: 24-SEP-2019
Account: MTT

CERTIFICATE WH19216449

Project: MELOY

This report is for 40 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 30-AUG-2019.

The following have access to data associated with this certificate:

HEATHER BURRELL JACK MORTON	ANDREW CARNE SCOTT NEWMAN	STEVE ISREAL

SAMPLE PREPARATION

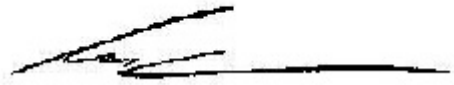
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS61	48 element four acid 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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VANCOUVER BC V6B 1L8

Project: MELOY

Finalized Date: 24-SEP-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19216449

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
W795001		6.13	<0.001	0.76	6.76	5.4	980	2.97	0.69	0.27	2.24	63.7	0.9	5	3.19	109.0
W795002		7.14	<0.001	0.76	7.33	26.7	1060	2.98	0.49	0.26	4.95	100.5	1.1	5	3.93	161.5
W795003		7.26	0.002	0.09	6.86	4.5	890	3.78	1.02	0.46	0.91	77.3	0.5	7	4.11	31.8
W795004		6.57	0.002	0.31	6.99	5.7	870	3.60	0.26	0.45	2.21	63.5	0.5	8	4.15	60.0
W795005		7.60	0.028	0.67	6.82	8.9	920	3.50	0.93	0.47	5.61	69.5	0.5	9	3.44	155.5
W795006		6.44	0.004	0.28	6.79	3.3	900	3.49	0.39	0.47	1.15	70.0	0.5	9	4.29	88.1
W795007		6.57	0.061	0.84	6.57	19.4	770	3.80	2.17	0.45	1.50	65.6	0.4	8	3.81	302
W795008		6.60	0.042	0.45	6.25	4.2	680	3.58	0.87	0.40	2.29	59.1	0.4	7	3.07	100.5
W795009		0.10	0.795	6.42	4.82	8490	1200	1.57	204	12.75	0.87	431	76.8	49	10.20	3370
W795010		6.67	0.007	0.29	6.11	7.1	670	3.05	0.49	0.41	2.25	63.6	0.4	10	2.68	73.7
W795011		6.70	0.088	0.69	6.32	4.9	670	3.70	2.12	0.42	0.99	65.3	0.3	9	2.82	69.2
W795012		4.96	<0.001	0.01	0.11	0.5	20	0.08	0.04	35.0	0.02	0.97	1.1	1	<0.05	3.6
W795013		6.61	0.107	1.78	6.35	12.5	690	3.88	2.90	0.47	5.35	71.4	0.6	8	3.02	240
W795014		7.02	0.190	1.41	6.14	12.6	660	3.92	3.01	0.39	3.42	63.8	0.6	8	3.18	332
W795015		7.37	0.031	0.84	6.37	2.6	680	3.74	1.10	0.50	3.08	65.4	0.5	11	3.32	196.5
W795016		6.84	0.078	0.92	6.39	1.3	690	3.56	1.87	0.43	2.44	65.9	0.5	10	4.13	243
W795017		7.08	0.005	0.16	6.62	0.9	710	3.82	0.23	0.46	1.04	68.9	0.4	12	5.48	37.9
W795018		3.37	0.026	0.17	6.37	1.0	690	3.44	0.67	0.44	0.81	59.7	0.5	8	4.89	33.5
W795019		6.64	0.074	0.26	6.31	2.5	690	3.46	1.20	0.43	1.31	67.0	0.4	10	4.58	48.4
W795020		6.29	0.005	0.36	6.79	4.1	730	3.52	0.27	0.46	5.47	82.2	0.4	9	4.37	84.7
W795021		6.79	<0.001	0.05	6.54	1.3	710	3.71	0.07	0.45	0.69	72.3	0.3	9	4.40	18.9
W795022		0.26	1.420	31.6	7.05	148.0	100	0.62	8.65	6.12	33.3	28.3	92.2	124	1.60	6860
W795023		6.72	<0.001	0.15	6.48	1.6	710	3.55	0.11	0.46	0.60	65.1	0.3	9	4.87	34.8
W795024		6.55	0.076	0.22	6.50	2.8	790	3.25	0.70	0.45	1.85	64.9	0.3	9	4.59	69.6
W795025		6.53	0.003	0.66	6.32	30.9	710	3.28	0.46	0.39	4.05	54.9	0.4	9	5.80	292
W795026		6.88	0.004	2.12	6.42	80.2	800	3.68	0.92	0.37	2.88	68.0	0.4	8	4.36	209
W795027		4.99	<0.001	0.01	0.12	0.4	30	0.08	0.04	33.0	0.02	1.08	1.1	1	<0.05	3.7
W795028		7.26	0.020	4.40	6.38	88.8	700	3.52	1.15	0.45	15.55	67.7	0.4	8	4.02	1030
W795029		7.75	0.011	0.28	6.10	1.5	670	3.57	0.45	0.45	0.75	62.5	0.5	10	4.57	45.8
W795030		7.66	0.035	0.16	6.18	1.5	600	3.78	0.70	0.47	0.66	65.8	0.4	10	6.10	34.8
W795031		7.71	0.006	0.18	6.27	1.2	630	3.99	0.24	0.45	0.48	66.3	0.3	12	4.45	30.8
W795032		<0.02	0.008	0.16	6.27	0.8	630	3.86	0.26	0.45	0.54	70.5	0.3	8	4.51	31.4
W795033		7.39	0.004	0.10	6.44	0.6	660	3.74	0.17	0.47	0.63	67.8	0.3	11	6.79	20.2
W795034		8.04	0.005	0.13	6.31	0.4	640	3.52	0.26	0.47	0.78	65.3	0.2	10	6.44	27.0
W795035		8.02	0.040	0.72	6.19	1.3	620	3.75	1.96	0.44	1.11	63.5	0.5	8	5.98	33.9
W795036		7.64	<0.001	0.20	6.37	1.6	610	4.19	0.12	0.45	1.48	63.6	0.3	12	6.39	33.3
W795037		7.74	<0.001	0.47	6.21	1.1	630	3.83	0.24	0.44	3.64	62.8	0.3	10	4.87	92.3
W795038		7.83	<0.001	0.16	6.40	0.5	650	4.36	0.09	0.46	0.99	70.1	0.2	8	4.14	33.7
W795039		7.41	<0.001	0.11	6.45	3.3	640	4.24	0.13	0.47	1.10	62.8	0.3	8	7.26	20.9
W795040		7.48	0.001	0.11	6.27	0.3	540	4.51	0.10	0.44	1.36	65.1	0.3	11	7.97	33.9

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Finalized Date: 24-SEP-2019
Account: MTT

Project: MELOY

CERTIFICATE OF ANALYSIS WH19216449

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	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
W795001		1.04	18.15	0.14	2.4	0.064	4.29	37.4	23.8	0.02	429	1.62	2.37	10.9	0.5	30
W795002		1.13	20.1	0.13	2.6	0.043	4.57	34.8	30.3	0.02	442	5.29	2.70	12.1	0.6	40
W795003		0.98	19.85	0.12	2.5	0.030	4.24	39.3	33.1	0.02	192	2.96	2.72	13.0	0.4	30
W795004		1.04	18.95	0.12	2.6	0.085	4.31	31.7	25.9	0.02	178	2.24	2.71	12.1	0.4	30
W795005		1.05	18.35	0.13	2.3	0.148	4.26	34.9	30.4	0.02	213	2.36	2.46	11.8	0.4	20
W795006		1.01	18.60	0.13	2.2	0.209	4.22	34.7	29.6	0.02	190	3.51	2.67	11.5	0.4	20
W795007		0.98	18.50	0.12	2.3	0.675	4.18	31.9	27.5	0.02	167	3.79	2.58	13.2	0.3	20
W795008		0.82	16.70	0.11	2.0	0.019	3.95	29.2	23.1	0.02	152	37.8	2.42	10.7	0.4	20
W795009		9.16	18.70	0.35	1.6	1.770	1.89	250	36.9	1.35	2430	12.90	0.81	9.7	40.6	960
W795010		0.74	17.70	0.13	1.8	0.028	3.93	30.9	21.1	0.02	143	34.3	2.39	12.4	0.5	20
W795011		0.80	18.25	0.12	2.0	0.026	4.02	32.4	23.6	0.02	165	9.91	2.45	11.4	0.4	20
W795012		0.09	0.36	0.09	<0.1	<0.005	0.04	1.1	1.2	1.64	108	0.10	0.05	0.2	0.4	60
W795013		0.94	18.65	0.16	2.0	0.128	4.03	35.3	24.1	0.02	181	7.53	2.39	11.7	0.5	20
W795014		1.01	18.80	0.17	2.0	0.242	3.90	31.9	23.2	0.02	168	7.69	2.30	12.1	0.5	20
W795015		0.84	18.95	0.14	2.3	0.114	4.08	31.8	23.4	0.02	153	19.85	2.51	12.1	0.4	20
W795016		0.94	19.55	0.13	2.2	0.183	4.13	31.6	26.6	0.02	174	1.28	2.50	12.2	0.4	20
W795017		0.95	19.65	0.15	2.6	0.035	4.12	32.7	26.7	0.02	181	3.89	2.70	13.4	0.5	20
W795018		0.89	18.20	0.12	2.3	0.032	4.01	28.8	25.0	0.02	173	2.60	2.58	12.4	0.3	20
W795019		0.94	19.15	0.14	2.7	0.036	4.01	32.2	26.3	0.02	176	2.98	2.54	12.5	0.5	20
W795020		0.90	19.35	0.16	2.5	0.045	4.19	40.9	27.2	0.02	173	2.57	2.65	12.1	0.9	10
W795021		0.86	18.80	0.14	2.5	0.029	4.04	35.3	27.4	0.02	162	8.27	2.62	12.7	0.4	20
W795022		9.89	11.45	0.12	0.8	2.45	1.03	15.8	8.9	2.22	930	57.7	0.85	2.7	395	710
W795023		0.89	18.85	0.12	2.7	0.041	4.08	32.1	28.7	0.02	165	5.35	2.65	12.1	0.5	20
W795024		0.90	18.65	0.12	2.4	0.057	4.05	32.1	27.1	0.02	168	8.03	2.57	11.3	0.5	20
W795025		1.01	17.45	0.10	2.5	0.108	4.01	26.2	23.0	0.02	161	2.92	2.37	10.7	0.4	20
W795026		1.26	18.85	0.12	2.4	0.327	4.04	34.0	29.9	0.02	198	4.41	2.32	11.6	0.4	30
W795027		0.13	0.40	0.08	0.1	<0.005	0.04	1.1	1.3	2.13	117	<0.05	0.06	0.2	0.4	70
W795028		1.03	18.60	0.17	2.5	0.803	4.02	33.3	31.5	0.02	227	10.90	2.34	11.1	0.4	20
W795029		0.92	19.80	0.14	3.3	0.045	4.16	30.7	31.6	0.02	179	7.41	2.58	12.3	2.8	30
W795030		0.91	20.0	0.15	3.3	0.049	4.09	32.5	35.2	0.02	177	4.93	2.61	12.5	1.5	20
W795031		0.89	20.6	0.13	2.9	0.043	4.14	33.0	33.4	0.02	175	7.10	2.65	13.1	0.7	20
W795032		0.89	20.5	0.15	2.9	0.046	4.09	35.2	33.3	0.02	177	5.89	2.64	12.7	0.4	20
W795033		0.90	20.3	0.15	2.8	0.036	4.24	33.8	33.8	0.02	216	3.29	2.74	12.3	0.4	20
W795034		0.85	20.0	0.12	2.4	0.034	4.20	32.5	33.1	0.02	210	9.46	2.66	11.5	0.3	20
W795035		0.86	19.60	0.12	2.4	0.036	4.08	31.6	31.7	0.02	176	6.90	2.60	12.0	0.5	20
W795036		0.91	20.8	0.15	2.7	0.041	4.16	32.3	32.6	0.02	172	5.62	2.71	12.7	0.5	20
W795037		0.89	21.0	0.15	2.0	0.048	4.18	31.5	32.0	0.02	183	15.90	2.62	12.5	0.4	20
W795038		0.84	20.6	0.14	2.1	0.046	4.19	35.5	31.7	0.02	180	4.97	2.71	12.9	0.3	20
W795039		0.90	20.9	0.14	2.5	0.037	4.26	31.6	36.3	0.02	184	2.67	2.76	12.1	0.3	20
W795040		0.86	21.1	0.18	2.3	0.039	4.13	31.3	33.0	0.02	196	11.75	2.70	14.0	0.4	20

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: MELOY

Finalized Date: 24-SEP-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19216449

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	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
W795001		37.8	180.5	<0.002	0.02	0.18	2.9	<1	6.8	76.0	1.10	<0.05	12.60	0.047	1.60	3.9
W795002		29.2	228	<0.002	0.01	1.69	3.1	1	5.6	86.3	1.21	<0.05	14.15	0.049	2.27	5.4
W795003		24.0	185.0	<0.002	0.05	<0.05	3.4	<1	1.8	62.2	1.31	<0.05	15.55	0.050	1.00	6.8
W795004		35.1	183.0	<0.002	0.06	<0.05	3.2	1	3.4	58.4	1.17	<0.05	14.35	0.050	1.24	6.8
W795005		63.6	174.5	<0.002	0.07	<0.05	3.1	1	7.3	58.6	1.16	0.16	13.25	0.050	1.35	6.5
W795006		42.8	174.0	<0.002	0.05	0.27	3.1	1	3.6	60.5	1.08	0.06	13.35	0.050	1.08	5.9
W795007		28.8	175.0	<0.002	0.14	<0.05	3.3	<1	5.8	53.2	1.33	0.20	15.80	0.046	1.24	6.8
W795008		29.3	161.5	<0.002	0.07	<0.05	2.8	<1	3.3	50.1	1.05	0.18	12.60	0.043	1.27	5.4
W795009		33.8	122.5	0.002	1.33	31.8	7.5	6	99.9	242	0.56	0.95	8.86	0.239	1.19	10.9
W795010		26.0	169.5	<0.002	0.07	<0.05	2.8	<1	3.8	51.7	1.15	0.07	13.00	0.042	1.30	5.7
W795011		42.2	176.5	<0.002	0.07	<0.05	3.0	1	4.4	52.8	1.16	0.42	13.90	0.043	1.39	6.1
W795012		1.0	1.3	<0.002	0.01	0.05	0.2	1	<0.2	79.1	<0.05	<0.05	0.09	0.005	0.02	0.1
W795013		43.0	180.5	<0.002	0.17	0.05	3.1	<1	8.5	51.7	1.23	0.49	14.40	0.043	1.51	6.1
W795014		33.6	182.5	<0.002	0.22	<0.05	2.9	<1	8.7	51.4	1.21	0.37	13.80	0.041	1.46	6.4
W795015		31.3	180.0	<0.002	0.11	<0.05	3.1	<1	5.0	52.1	1.21	0.10	15.25	0.042	1.41	6.6
W795016		35.3	188.0	<0.002	0.12	<0.05	3.2	<1	5.3	52.9	1.21	0.26	13.60	0.044	1.32	6.3
W795017		40.5	183.5	<0.002	0.05	<0.05	3.3	<1	2.5	53.6	1.41	<0.05	15.50	0.045	1.21	6.7
W795018		38.1	172.0	<0.002	0.05	<0.05	3.0	<1	2.3	50.6	1.27	0.14	12.85	0.043	1.09	5.9
W795019		30.8	182.0	<0.002	0.07	<0.05	3.2	<1	2.8	52.2	1.23	0.24	14.95	0.044	1.18	6.6
W795020		30.9	184.0	<0.002	0.04	0.09	3.1	<1	3.0	52.1	1.23	<0.05	14.90	0.046	1.19	6.4
W795021		22.7	179.5	<0.002	0.03	<0.05	3.1	1	1.8	51.6	1.25	<0.05	14.75	0.044	0.99	6.6
W795022		8960	29.0	0.018	6.49	31.7	12.6	13	6.6	158.5	0.20	0.61	2.99	0.218	2.27	4.8
W795023		29.8	177.5	<0.002	0.04	0.05	3.1	<1	1.8	53.1	1.23	<0.05	13.80	0.046	1.05	6.4
W795024		29.2	176.5	<0.002	0.04	<0.05	3.0	1	2.0	55.7	1.11	0.12	13.15	0.046	1.04	6.2
W795025		33.8	165.5	<0.002	0.04	0.11	2.9	<1	2.9	47.1	1.08	<0.05	12.45	0.043	1.08	6.3
W795026		53.3	185.5	<0.002	0.04	0.17	3.2	1	10.6	55.5	1.14	0.05	14.00	0.045	1.27	7.1
W795027		0.9	1.1	<0.002	0.01	0.07	0.2	1	<0.2	72.0	<0.05	<0.05	0.11	0.005	<0.02	0.4
W795028		40.5	184.5	<0.002	0.13	0.13	2.9	<1	9.0	48.4	1.09	0.08	13.55	0.044	1.20	6.7
W795029		29.9	173.5	<0.002	0.07	0.43	3.2	<1	2.5	51.9	1.32	0.08	14.90	0.045	1.14	7.3
W795030		23.3	181.0	<0.002	0.05	0.27	3.2	<1	2.6	46.5	1.46	0.16	15.80	0.042	0.95	7.6
W795031		23.4	178.5	<0.002	0.03	0.10	3.2	1	1.5	49.1	1.37	<0.05	15.65	0.044	1.00	7.2
W795032		23.1	177.5	<0.002	0.03	0.06	3.2	<1	1.6	48.1	1.38	<0.05	15.80	0.043	0.95	7.1
W795033		24.1	183.0	<0.002	0.02	0.10	3.3	<1	1.6	50.5	1.40	<0.05	15.25	0.044	1.07	7.1
W795034		24.9	174.0	<0.002	0.02	0.07	3.0	<1	2.0	48.5	1.24	<0.05	15.25	0.044	0.94	6.8
W795035		23.0	172.5	<0.002	0.02	0.11	3.2	<1	2.3	48.6	1.33	0.34	15.55	0.043	0.96	7.2
W795036		26.3	186.5	<0.002	0.03	0.11	3.3	<1	2.8	48.9	1.38	<0.05	15.95	0.042	1.01	7.6
W795037		24.5	187.5	<0.002	0.05	0.07	3.3	<1	2.8	50.4	1.27	<0.05	15.15	0.043	1.05	6.5
W795038		21.8	183.5	<0.002	0.03	0.06	3.3	1	1.8	51.3	1.41	<0.05	16.10	0.043	1.01	7.0
W795039		24.2	189.5	<0.002	0.01	0.12	3.4	<1	2.5	51.1	1.32	<0.05	15.55	0.045	1.04	7.1
W795040		22.3	197.0	<0.002	0.01	0.08	3.6	1	2.6	44.6	1.58	<0.05	16.45	0.040	1.06	7.7

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

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To: **STRATEGIC METALS LTD.**
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: MELOY

CERTIFICATE OF ANALYSIS WH19216449

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm
	LOD	1	0.1	0.1	2	0.5
W795001		2	1.7	33.2	195	75.2
W795002		1	4.0	27.7	159	82.2
W795003		1	0.5	23.7	216	83.3
W795004		1	0.5	17.6	180	84.1
W795005		1	0.9	17.0	455	72.9
W795006		1	0.5	16.5	158	71.3
W795007		1	1.1	15.6	119	72.8
W795008		1	0.6	14.4	112	61.7
W795009		55	29.6	29.6	166	62.0
W795010		1	0.6	15.8	143	54.8
W795011		1	0.5	15.0	69	61.3
W795012		1	<0.1	2.1	5	1.6
W795013		1	1.0	15.6	396	59.1
W795014		1	1.1	15.4	247	61.9
W795015		1	1.7	15.7	163	70.2
W795016		1	1.0	15.3	145	67.4
W795017		1	0.5	17.3	101	76.3
W795018		1	0.4	15.6	92	69.7
W795019		1	0.4	15.4	123	83.1
W795020		1	0.7	18.8	232	77.7
W795021		1	0.3	17.0	99	77.0
W795022		418	5.8	13.1	8240	28.4
W795023		1	0.4	16.1	92	80.2
W795024		1	0.9	15.7	126	74.0
W795025		1	1.0	13.3	189	77.8
W795026		1	5.4	15.9	392	75.6
W795027		2	<0.1	2.4	8	1.8
W795028		1	100.5	19.4	613	78.7
W795029		1	1.4	17.8	93	95.7
W795030		1	1.1	20.9	111	90.3
W795031		1	0.6	17.9	73	83.7
W795032		1	0.5	17.9	75	81.7
W795033		1	0.8	17.7	85	77.3
W795034		1	0.6	16.8	78	70.4
W795035		1	0.6	19.7	104	64.0
W795036		1	0.7	20.4	111	73.4
W795037		1	7.2	15.2	217	59.0
W795038		1	0.4	19.9	82	56.6
W795039		1	0.7	17.7	92	68.9
W795040		1	0.6	22.0	105	61.5

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To: **STRATEGIC METALS LTD.**
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: MELOY

Finalized Date: 24-SEP-2019
Account: MTT

CERTIFICATE OF ANALYSIS WH19216449

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	LOG-21d
LOG-23	PUL-31	PUL-31d	PUL-QC
SPL-21	SPL-21d	WEI-21	

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

Au-ICP21	ME-MS61

APPENDIX VI

GEOLOCICAL AND GEOTECHNICAL LOGS

Meloy - Meloy

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		649502	6820495	2176	330.71

ZONE: Main Ridge

SECTION:

HOLE: MY -19-001

CLAIM: YC65713 - Meloy 9

Contractor: Superior

Drill: 1

Core Size: NQ2

Casing Depth: 3.05m, Out

Drilling Dates: -

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.57	4.57	OVB
4.57	7.46	2.89	MNZ
7.46	14.53	7.07	MNZ
14.53	15.37	0.84	MNZ
15.37	107.79	92.42	MNZ
107.79	109.4	1.61	MNZ
109.4	110.42	1.02	APL
110.42	120.86	10.44	MNZ
120.86	148.88	28.02	MNZ
148.88	149.16	0.28	APL
149.16	149.34	0.18	MNZ
149.34	149.52	0.18	APL
149.52	151.49	1.97	MNZ
151.49	151.53	0.04	APL
151.53	152	0.47	MNZ
152	152.53	0.53	APL

SAMPLES	
Numbers:	B0050597, B0050598, B0050599 to B0050600, B0050601, B0050602, B0050603, B0050604, B0050605, B0050606, B0050607, B0050608,
Total:	126
Batch:	001, 004, 005, 006, 007
Certificates:	WH19216449, WH19290390, WH19290392, WH19290393, WH19290397

COMMENTS

Unsure of location for Reflex DDH surveys (paper)
Box 72 lost during helicopter sling load

152.53	153.09	0.56	MNZ
153.09	153.21	0.12	APL
153.21	154.68	1.47	MNZ
154.68	173.08	18.4	MNZ
173.08	178.02	4.94	MNZ
178.02	188.69	10.67	s
188.69	228.38	39.69	MNZ
228.38	237.18	8.8	MNZ
237.18	242.47	5.29	MNZ
242.47	294.54	52.07	MNZ
294.54	297.8	3.26	FLT
297.8	310.64	12.84	MNZ
310.64	317.48	6.84	MNZ
317.48	319.07	1.59	MNZ
319.07	330.71	11.64	MNZ

Box Log

MY -19-001

Meloy
Main Ridge Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.65
2	5.65	9.84
3	9.84	14.05
4	14.05	18.32
5	18.32	22.44
6	22.44	26.57
7	26.57	30.87
8	30.87	35.05
9	35.05	39.17
10	39.17	43.3
11	43.3	47.24
12	47.24	51.78
13	51.78	56.11
14	56.11	60.49
15	60.49	64.77
16	64.77	68.76
17	68.76	73.1
18	73.1	77.44
19	77.44	81.81
20	81.81	86.33
21	86.33	90.6
22	90.6	95.07
23	95.07	99.16
24	99.16	103.4
25	103.4	107.65
26	107.65	111.7
27	111.7	115.7
28	115.7	120.05
29	120.05	124.28
30	124.28	128
31	128	132.76
32	132.76	136.9
33	136.9	141.09
34	141.09	145.3
35	145.3	149.69
36	149.69	153.92
37	153.92	158.06
38	158.06	162.37
39	162.37	166.45
40	166.45	170.72
41	170.72	174.8
42	174.8	178.56
43	178.56	182.59
44	182.59	186.72
45	186.72	190.68
46	190.68	194.84
47	194.84	199.14
48	199.14	203.55
49	203.55	207.91
50	207.91	211.84
51	211.84	215.9
52	215.9	220.2
53	220.2	224.4
54	224.4	228.49
55	228.49	232.46
56	232.46	236.22
57	236.22	240.31
58	240.31	244.28
59	244.28	248.17
60	248.17	252.33
61	252.33	256.31
62	256.31	260.23
63	260.23	264.27
64	264.27	268.46
65	268.46	272.8
66	272.8	277.12
67	277.12	281.4
68	281.4	285.93
69	285.93	290.05
70	290.05	294.13
71	294.13	297.8
72	297.8	302
73	302	305.95
74	305.95	310.02
75	310.02	314.26
76	314.26	318.43
77	318.43	322.66
78	322.66	326.94
79	326.94	330.71

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	4.57	4.57	OVB	--	Overburden: tan-orange weathering fragments (up to 15 cm long) of quartz monzonite with rusty-black oxide on all fracture surfaces; feldspars weathered to clay and <1mm hairline fractures of goethite.							
4.57	7.46	2.89	MNZ	FG	Tan-orange 'bleached' and clay-altered quartz monzonite, with patchy v.f.g. black mineralization (manganese?) moderately disseminated throughout and also in <1mm wide hairline fractures; black oxide on all fracture surfaces, as well as earthy orange oxide and tan clay; no visible sulphides.							
7.46	14.53	7.07	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.A							
14.53	15.37	0.84	MNZ	FG	Medium grey, fine grained, biotite-poor quartz monzonite.							
15.37	107.79	92.42	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.							
107.79	109.40	1.61	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite.				PRO	2I		
									---	0I		
109.40	110.42	1.02	APL	VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
110.42	120.86	10.44	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
						MD	GY					
						MD	OR					
						LT	GY					
						LT	OR					
120.86	148.88	28.02	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
148.88	149.16	0.28	APL	VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.							
						MD	GY	AN				
149.16	149.34	0.18	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
149.34	149.52	0.18	APL	VF	Two fine grained, light ot medium grained aplite dykes cutting monzonite. First dyke is a 7cm undulating grey aplite dyke that has an anastomosing texture and monoznite clasts within. The second is a darker grey (medium grey) 2cm dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.52	151.49	1.97	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
151.49	151.53	0.04	APL	VF	4 cm fine grained, medium grey aplite dyke at 50 TCA cutting light grey monzonite.							
151.53	152.00	0.47	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
152.00	152.53	0.53	APL	VF	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.							
152.53	153.09	0.56	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
153.09	153.21	0.12	APL	VF	12cm, light grey very fine grained aplite dyke cutting monzonite that is slightly more biotite rich than rest of the interval. Lower margin of monzonite is darker grey representing a chilled margin(?)							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
153.21	154.68	1.47	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm.							
						LT	GY					
						LT	OR					
154.68	173.08	18.40	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite. Monzonite has alternating patchy medium to dark grey colouroatoin that is associated with secondary biotite alteration along veinns that cut through the itnerval. Patchy pale feldspara flooding zones are also present within. Fracture planes and some vein selveges show weak oxidation staining.							
173.08	178.02	4.94	MNZ	FG	Light grey to weakly orange/brown, fine grained monzonite. Interval has high fracture frequency and strong oxidation along fracture lanes throughout. Red hematite is present on fractures (all angle) within monzonite. Interval is stained brown/orange from the pervasive oxidation in this zone. Quartz veinlets cut sporadically throughout, with oxidation along selveges. Native copper present (trace)							
						MD	GY		OXI	3I		
						LT	OR		OXI	2I		
						LT	BR		OXI	1I		
178.02	188.69	10.67	s	--	Core boxes lost during helicopter move. No core.							
188.69	215.00	26.31	MNZ	FG	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
215.00	215.22	0.22	FLT	FG	strongly bleached, pale white, clay altered (powdery) monzonite fault zone that has strong slickensides along fractured planes. Fault zone is ~7cm wide with pervasive white to orange (weakly oxide stained) alteratio halo making up the rest of the unit.							
215.22	228.38	13.16	MNZ	FG	quartz monzonite							
228.38	230.55	2.17	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide. Same unit as before, but entire interval has a weak pervasive oxide overprint with minor feldspar alteration due to proximity to fractures and fault zones/							
						MD	BR		ARG	4I		
						MD	GY					
						LT	OR	FR	CLY	4I		
						LT	WH					
230.55	230.93	0.38	FLT	FG	strongly bleached, pale white, clay altered (powdery) monzonite fault zone that has strong slickensides along fractured planes. Fault zone is ~7cm wide with pervasive white to orange (weakly oxide stained) alteratio halo making up the rest of the unit.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
230.93	237.18	6.25	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide. Same unit as before, but entire interval has a weak pervasive oxide overprint with minor feldspar alteration due to proximity to fractures and fault zones/							
237.18	242.47	5.29	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide.							
						MD	GY		ARG	4I		
						LT	OR		CLY	4I		
						LT	WH		OXI	1I		
									OXI	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
242.47	294.54	52.07	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Towards end of interval (starting at ~291m), monzonite because lighter grey in colour due to proximity to bleached white fault zone.							
294.54	297.80	3.26	FLT	FG	light grey to bleached white coloured, fine grained monzonite with stringers and veinlets of black biotite and hornblende. Interval is intensely rubbly with noticeable core loss. Highly fractured zones are chalky, slightly decomosing and punky (texture of chalk powder or chalk clumps). Too fractured to record property orientation. Weak localized oxidation staining is present along rare fracture planes, but overall no oxidation is present.							
						MD	WH	RB	CLY	5I		
						LT	GY	FR	ARG	5I		
						LT	WH					
297.80	310.64	12.84	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Towards end of interval (starting at ~291m), monzonite because lighter grey in colour due to proximity to bleached white fault zone.\							
						MD	GY					
						LT	GY	FR	OXI	1I		
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
310.64	317.48	6.84	MNZ	FG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. More quartz vein dense than previous intervals. Veinlets have oxidized halos locally. No other noticeable changes to unit versus normal unaltered, medium grey monzonite seen in hole. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.							
						LT	OR		OXI	1I		
						LT	BR		OXI	2I		
317.48	319.07	1.59	MNZ	CG	medium to dark grey, medium to coarse grianed monzonite that is sporadically and pervasively flooded with pegmatitic quartz feldspar patches and bands throughout. Unit is significantly more biotite rich, with biotite grains taking on a bladed appearance (at top of the hole they show alignment) unit stays biotite rich throughout entire interval (~30% biotite) (same as biotite rich intervals seen in MY19-002). Trace to weakly pervasive oxidation staining is present in patches throughout, often associated with veining or fractures, but not limited to these structures.							
						MD	GY					
						LT	OR					
						DK	GY					
319.07	330.71	11.64	MNZ	MG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. Appears to have pervasive, intermixed pegmatitic quartz-feldspar throughout. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.							
						LT	OR		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
0.00	4.57	4.57	OVB		--	Overburden: tan-orange weathering fragments (up to 15 cm long) of quartz monzonite with rusty-black oxide on all fracture surfaces; feldspars weathered to clay and <1mm hairline fractures of goethite.
4.57	7.46	2.89	MNZ		FG	Tan-orange 'bleached' and clay-altered quartz monzonite, with patchy v.f.g. black mineralization (manganese?) moderately disseminated throughout and also in <1mm wide hairline fractures; black oxide on all fracture surfaces, as well as earthy orange oxide and tan clay; no visible sulphides.
7.46	14.53	7.07	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.A
14.53	15.37	0.84	MNZ		FG	Medium grey, fine grained, biotite-poor quartz monzonite.
15.37	107.79	92.42	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.
107.79	109.40	1.61	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite.
109.40	110.42	1.02	APL		VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.
110.42	120.86	10.44	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
120.86	148.88	28.02	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
148.88	149.16	0.28	APL		VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.
149.16	149.34	0.18	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
149.34	149.52	0.18	APL		VF	Two fine grained, light ot medium grained aplite dykes cutting monzonite. First dyke is a 7cm undulating grey aplite dyke that has an anastomosing texture and monoznite clasts within. The second is a darker grey (medium grey) 2cm dyke.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
149.52	151.49	1.97	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
151.49	151.53	0.04	APL		VF	4 cm fine grained, medium grey aplite dyke at 50 TCA cutting light grey monzonite.
151.53	152.00	0.47	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
152.00	152.53	0.53	APL		VF	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.
152.53	153.09	0.56	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.
153.09	153.21	0.12	APL		VF	12cm, light grey very fine grained aplite dyke cutting monzonite that is slightly more biotite rich than rest of the interval. Lower margin of monzonite is darker grey representing a chilled margin(?)
153.21	154.68	1.47	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm.
154.68	173.08	18.40	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite. Monzonite has alternating patchy medium to dark grey colouroatoin that is associated with secondary biotite alteration along veinns that cut through the itnerval. Patchy pale feldspara flooding zones are also present within. Fracture planes and some vein selveges show weak oxidation staining.
173.08	178.02	4.94	MNZ		FG	Light grey to weakly orange/brown, fine grained monzonite. Interval has high fracture frequency and strong oxidation along fracture lanes throughout. Red hematite is present on fractures (all angle) within monzonite. Interval is stained brown/orange from the pervasive oxidation in this zone. Quartz veinlets cut sporadically throughout, with oxidation along selveges. Native copper present (trace)
178.02	188.69	10.67	s		--	Core boxes lost during helicopter move. No core.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
188.69	215.00	26.31	MNZ		FG	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.
215.00	215.22	0.22	FLT		FG	strongly bleached, pale white, clay altered (powdery) monzonite fault zone that has strong slickensides along fractured planes. Fault zone is ~7cm wide with pervasive white to orange (weakly oxide stained) alteratio halo making up the rest of the unit.
215.22	228.38	13.16	MNZ		FG	quartz monzonite
228.38	230.55	2.17	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide. Same unit as before, but entire interval has a weak pervasive oxide overprint with minor feldspar alteration due to proximity to fractures and fault zones/
230.55	230.93	0.38	FLT		FG	strongly bleached, pale white, clay altered (powdery) monzonite fault zone that has strong slickensides along fractured planes. Fault zone is ~7cm wide with pervasive white to orange (weakly oxide stained) alteratio halo making up the rest of the unit.
230.93	237.18	6.25	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide. Same unit as before, but entire interval has a weak pervasive oxide overprint with minor feldspar alteration due to proximity to fractures and fault zones/
237.18	242.47	5.29	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
242.47	294.54	52.07	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Towards end of interval (starting at ~291m), monzonite because lighter grey in colour due to proximity to bleached white fault zone.
294.54	297.80	3.26	FLT		FG	light grey to bleached white coloured, fine grained monzonite with stringers and veinlets of black biotite and hornblende. Interval is intensely rubbly with noticeable core loss. Highly fractured zones are chalky, slightly decomosing and punky (texture of chalk powder or chalk clumps). Too fractured to record property orientation. Weak localized oxidation staining is present along rare fracture planes, but overall no oxidation is present.
297.80	310.64	12.84	MNZ		FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Towards end of interval (starting at ~291m), monzonite because lighter grey in colour due to proximity to bleached white fault zone.\
310.64	317.48	6.84	MNZ		FG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. More quartz vein dense than previous intervals. Veinlets have oxidized halos locally. No other noticeable changes to unit versus normal unaltered, medium grey monzonite seen in hole. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.
317.48	319.07	1.59	MNZ		CG	medium to dark grey, medium to coarse grianed monzonite that is sporadically and pervasively flooded with pegmatitic quartz feldspar patches and bands throughout. Unit is significantly more biotite rich, with biotite grains taking on a bladed appearance (at top of the hole they show alignment) unit stays biotite rich throughout entire interval (~30% biotite) (same as biotite rich intervals seen in MY19-002). Trace to weakly pervasive oxidation staining is present in patches throughout, often associated with veining or fractures, but not limited to these structures.
319.07	330.71	11.64	MNZ		MG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. Appears to have pervasive, intermixed pegmatitic quartz-feldspar throughout. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	4.57	4.57	OVB	--	Overburden: tan-orange weathering fragments (up to 15 cm long) of quartz monzonite with rusty-black oxide on all fracture surfaces; feldspars weathered to clay and <1mm hairline fractures of goethite.							
4.57	7.46	2.89	MNZ	FG	Tan-orange 'bleached' and clay-altered quartz monzonite, with patchy v.f.g. black mineralization (manganese?) moderately disseminated throughout and also in <1mm wide hairline fractures; black oxide on all fracture surfaces, as well as earthy orange oxide and tan clay; no visible sulphides.							
7.46	14.53	7.07	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.A							
14.53	15.37	0.84	MNZ	FG	Medium grey, fine grained, biotite-poor quartz monzonite.							
15.37	107.79	92.42	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite.							
107.79	109.40	1.61	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite.							
									PRO	2I		
									---	0I		
109.40	110.42	1.02	APL	VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
110.42	120.86	10.44	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
						LT	OR					
						MD	OR					
						MD	GY					
						LT	GY					
120.86	148.88	28.02	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
148.88	149.16	0.28	APL	VF	Pale grey, v.f.g. to aphanitic biotite aplite with banded, chilled margins.							
						MD	GY	AN				
149.16	149.34	0.18	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
149.34	149.52	0.18	APL	VF	Two fine grained, light ot medium grained aplite dykes cutting monzonite. First dyke is a 7cm undulating grey aplite dyke that has an anastomosing texture and monoznite clasts within. The second is a darker grey (medium grey) 2cm dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.52	151.49	1.97	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
151.49	151.53	0.04	APL	VF	4 cm fine grained, medium grey aplite dyke at 50 TCA cutting light grey monzonite.							
151.53	152.00	0.47	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
152.00	152.53	0.53	APL	VF	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.							
152.53	153.09	0.56	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm. Locally cut by fine grey felsic dykes up to 10cm.							
153.09	153.21	0.12	APL	VF	12cm, light grey very fine grained aplite dyke cutting monzonite that is slightly more biotite rich than rest of the interval. Lower margin of monzonite is darker grey representing a chilled margin(?)							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
153.21	154.68	1.47	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures and very rare phenocrysts of unaltered, dark green biotite. Fractures are locally oxidized, ranging from weak to intense oxidation with pervasive halos up to 15cm.							
						LT	GY					
						LT	OR					
154.68	173.08	18.40	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with very rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite. Monzonite has alternating patchy medium to dark grey colouroatoin that is associated with secondary biotite alteration along veinns that cut through the itnerval. Patchy pale feldspara flooding zones are also present within. Fracture planes and some vein selveges show weak oxidation staining.							
173.08	178.02	4.94	MNZ	FG	Light grey to weakly orange/brown, fine grained monzonite. Interval has high fracture frequency and strong oxidation along fracture lanes throughout. Red hematite is present on fractures (all angle) within monzonite. Interval is stained brown/orange from the pervasive oxidation in this zone. Quartz veinlets cut sporadically throughout, with oxidation along selveges. Native copper present (trace)							
						LT	BR		OXI	1I		
						MD	GY		OXI	3I		
						LT	OR		OXI	2I		
178.02	188.69	10.67	s	--	Core boxes lost during helicopter move. No core.							
188.69	228.38	39.69	MNZ	FG	biotite rich quartz monzonite that is intruded by light grey, very fine grained aplite dyke. Dyke is not a sharp banded intrusion, but more undulating and irregular throughout the intervavl. Hairline grey fractures crosscut and offset both dyke and monzonite. Patchy irregular dyke fragments within monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
228.38	237.18	8.80	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide. Same unit as before, but entire interval has a weak pervasive oxide overprint with minor feldspar alteration due to proximity to fractures and fault zones/							
						LT	OR	FR	CLY	4I		
						MD	BR		ARG	4I		
						LT	WH					
						MD	GY					
237.18	242.47	5.29	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Cut by narrow bleached white and intensely clay(?) (dry, powdery) altered fault zones that average 15cm wide.							
						LT	OR		CLY	4I		
						LT	WH		OXI	1I		
									OXI	2I		
									OXI	3I		
						MD	GY		ARG	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
242.47	294.54	52.07	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite with rare, incipient feldspar-flooding along fractures, with epidote and v.f.g. pyrite replacing some of the biotite locally (rare). Monzonite has alternating patchy medium to dark grey colouratoin that is associated with secondary biotite alteration along veins that cut through the interval. Fracture planes and some vein selveges show weak to strong oxidation staining. Towards end of interval (starting at ~291m), monzonite because lighter grey in colour due to proximity to bleached white fault zone.							
294.54	297.80	3.26	FLT	FG	light grey to bleached white coloured, fine grained monzonite with stringers and veinlets of black biotite and hornblende. Interval is intensely rubbly with noticeable core loss. Highly fractured zones are chalky, slightly decomosing and punky (texture of chalk powder or chalk clumps). Too fractured to record property orientation. Weak localized oxidation staining is present along rare fracture planes, but overall no oxidation is present.							
						LT	GY	FR	ARG	5I		
						MD	WH	RB	CLY	5I		
						LT	WH					
297.80	310.64	12.84	MNZ	FG	Medium grey, fine to locally medium grained biotite quartz monzonite. Monzonite has alternating patchy medium to dark grey colouration along veins that cut through the interval. Oxidation is present as a trace patchy stain along local fractures, but overall not significant or noteable.							
						LT	OR					
						MD	GY					
						LT	GY	FR	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
310.64	317.48	6.84	MNZ	FG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. More quartz vein dense than previous intervals. Veinlets have oxidized halos locally. No other noticeable changes to unit versus normal unaltered, medium grey monzonite seen in hole. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.							
						LT	OR		OXI	1I		
						LT	BR					
317.48	319.07	1.59	MNZ	CG	medium to dark grey, medium to coarse grianed monzonite that is sporadically and pervasively flooded with pegmatitic quartz feldspar patches and bands throughout. Unit is significantly more biotite rich, with biotite grains taking on a bladed appearance (at top of the hole they show alignment) unit stays biotite rich throughout entire interval (~30% biotite) (same as biotite rich intervals seen in MY19-002). Trace to weakly pervasive oxidation staining is present in patches throughout, often associated with veining or fractures, but not limited to these structures.							
						MD	GY					
						DK	GY					
						LT	OR					
319.07	330.71	11.64	MNZ	MG	quartz mozonite that is slightly more biotite rich than previous monzonite intervals in the hole. Monzonite carries a trace to weak pervasive oxidation staining throughout the entire interval, giving it a light orange to brown coloure. Appears to have pervasive, intermixed pegmatitic quartz-feldspar throughout. Rare radial grains of coarse biotite are present (similar to texture seen in MY19-002) that do not have radial oxide rimming, but are fine grained and 'shreddy' at the core of the grains.							
						LT	OR		OXI	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.57	4.57	2.75	60	1.49	33	0R	4H	4W	
4.57	7.62	3.05	3.05	100	2.91	95	0R	4H	3W	
7.62	10.67	3.05	3.05	100	2.99	98	0R	4H	2W	
10.67	13.72	3.05	3.05	100	2.81	92	0R	4H	2W	
13.72	16.76	3.04	3.04	100	2.94	97	0R	4H	2W	
16.76	19.81	3.05	3.05	100	2.92	96	0R	4H	2W	
19.81	22.86	3.05	3.05	100	3.05	100	0R	4H	2W	
22.86	25.91	3.05	3.05	100	3.00	98	0R	4H	2W	
25.91	28.96	3.05	3.05	100	3.05	100	0R	4H	2W	
28.96	32.00	3.04	3.04	100	3.04	100	0R	4H	2W	
32.00	35.05	3.05	2.96	97	2.96	97	0R	4H	2W	
35.05	38.10	3.05	3.05	100	3.05	100	0R	4H	2W	
38.10	41.15	3.05	3.05	100	3.00	98	0R	4H	2W	
41.15	44.20	3.05	3.05	100	3.05	100	0R	4H	2W	
44.20	47.24	3.04	3.04	100	3.04	100	0R	4H	2W	
47.24	50.29	3.05	3.05	100	3.05	100	0R	4H	2W	
50.29	53.34	3.05	3.05	100	3.05	100	0R	4H	2W	
53.34	56.39	3.05	3.05	100	3.05	100	0R	4H	2W	
56.39	59.44	3.05	3.05	100	3.05	100	0R	4H	2W	
59.44	62.48	3.04	3.04	100	3.04	100	0R	4H	2W	
62.48	65.53	3.05	3.05	100	3.05	100	0R	4H	2W	
65.53	68.58	3.05	3.05	100	2.58	85	0R	4H	2W	
68.58	71.63	3.05	3.05	100	2.93	96	0R	4H	2W	
71.63	74.68	3.05	3.05	100	3.05	100	0R	4H	2W	
74.68	77.72	3.04	3.04	100	3.04	100	0R	4H	2W	
77.72	80.77	3.05	3.05	100	3.05	100	0R	4H	2W	
80.77	83.82	3.05	3.05	100	3.05	100	0R	4H	2W	
83.82	86.87	3.05	3.05	100	3.05	100	0R	4H	2W	
86.87	89.92	3.05	3.05	100	3.05	100	0R	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
89.92	92.96	3.04	3.04	100	3.04	100	0R	4H	2W	
92.96	96.01	3.05	3.05	100	2.95	97	0R	4H	2W	
96.01	99.06	3.05	3.05	100	3.05	100	0R	4H	2W	
99.06	102.11	3.05	3.05	100	3.05	100	0R	4H	2W	
102.11	105.16	3.05	3.05	100	3.05	100	0R	4H	2W	
105.16	108.20	3.04	3.04	100	3.04	100	0R	4H	2W	
108.20	111.25	3.05	3.05	100	2.85	93	0R	4H	2W	
111.25	114.30	3.05	3.05	100	2.95	97	0R	4H	2W	
114.30	117.35	3.05	3.05	100	2.90	95	0R	4H	2W	
117.35	120.40	3.05	3.05	100	3.05	100	0R	4H	2W	
120.40	123.44	3.04	3.04	100	3.04	100	0R	4H	2W	
123.44	126.49	3.05	3.05	100	3.05	100	0R	4H	2W	
126.49	129.54	3.05	3.05	100	3.05	100	0R	4H	2W	No fracture frequencies or joint sets recorded from here to the end of the hole.
129.54	132.59	3.05	3.05	100	3.05	100	0R	4H	2W	
132.59	135.64	3.05	3.05	100	3.05	100	0R	4H	2W	
135.64	138.68	3.04	3.04	100	2.85	94	0R	4H	2W	
138.68	141.73	3.05	3.05	100	3.05	100	0R	4H	2W	
141.73	144.78	3.05	3.05	100	3.00	98	0R	4H	2W	
144.78	147.83	3.05	2.95	97	2.90	95	0R	4H	2W	
147.83	150.88	3.05	3.05	100	3.00	98	0R	4H	2W	
150.88	153.92	3.04	3.04	100	3.04	100	0R	4H	2W	
153.92	156.97	3.05	3.05	100	3.05	100	0R	4H	2W	
156.97	160.02	3.05	3.05	100	3.05	100	0R	4H	2W	
160.02	163.07	3.05	3.05	100	3.05	100	0R	4H	2W	
163.07	166.12	3.05	3.05	100	3.05	100	0R	4H	2W	
166.12	169.16	3.04	3.04	100	3.00	99	0R	4H	3W	
169.16	172.21	3.05	3.05	100	2.95	97	0R	4H	3W	
172.21	175.26	3.05	3.05	100	2.55	84	0R	4H	3W	
175.26	178.31	3.05	3.05	100	2.30	75	0R	4H	3W	
178.31	181.36	3.05	3.05	100	3.05	100	0R	4H	2W	
181.36	184.40	3.04	3.04	100	3.04	100	0R	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
184.40	187.45	3.05	3.05	100	3.05	100	0R	4H	2W	
187.45	190.50	3.05	3.05	100	2.80	92	0R	4H	2W	
190.50	193.55	3.05	3.05	100	3.00	98	0R	4H	2W	
193.55	196.60	3.05	3.05	100	2.95	97	0R	4H	2W	
196.60	199.64	3.04	3.04	100	2.90	95	0R	4H	2W	
199.64	202.69	3.05	3.05	100	2.95	97	0R	4H	2W	
202.69	205.74	3.05	3.05	100	3.05	100	0R	4H	2W	
205.74	208.79	3.05	3.05	100	2.80	92	0R	4H	2W	
208.79	211.84	3.05	3.05	100	2.75	90	0R	4H	2W	
211.84	214.88	3.04	3.04	100	2.95	97	0R	4H	2W	
214.88	217.93	3.05	3.05	100	2.95	97	0R	4H	3W	
217.93	220.98	3.05	3.05	100	3.00	98	0R	4H	2W	
220.98	224.03	3.05	3.05	100	3.00	98	0R	4H	2W	
224.03	227.08	3.05	3.05	100	2.85	93	0R	4H	2W	
227.08	230.12	3.04	3.04	100	2.90	95	0R	4H	3W	
230.12	233.17	3.05	3.05	100	2.65	87	0R	4H	3W	
233.17	236.22	3.05	3.05	100	2.95	97	0R	4H	2W	
236.22	239.27	3.05	3.05	100	2.25	74	0R	4H	3W	
239.27	242.32	3.05	3.05	100	2.65	87	0R	4H	3W	
242.32	245.36	3.04	2.95	97	2.65	87	0R	4H	2W	
245.36	248.41	3.05	3.05	100	3.00	98	0R	4H	2W	
248.41	251.46	3.05	3.05	100	3.05	100	0R	4H	2W	
251.46	254.51	3.05	3.05	100	2.55	84	0R	4H	3W	
254.51	257.56	3.05	3.05	100	2.80	92	0R	4H	3W	
257.56	260.60	3.04	3.04	100	2.70	89	0R	4H	2W	
260.60	263.65	3.05	3.05	100	3.05	100	0R	4H	2W	
263.65	266.70	3.05	3.05	100	3.00	98	0R	4H	2W	
266.70	269.75	3.05	3.05	100	3.05	100	0R	4H	2W	
269.75	272.80	3.05	3.05	100	3.05	100	0R	4H	2W	
272.80	275.84	3.04	3.04	100	3.04	100	0R	4H	2W	
275.84	278.89	3.05	3.05	100	3.05	100	0R	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
278.89	281.94	3.05	2.95	97	2.90	95	0R	4H	2W	
281.94	284.99	3.05	3.05	100	3.05	100	0R	4H	2W	
284.99	288.04	3.05	3.05	100	3.00	98	0R	4H	2W	
288.04	291.08	3.04	3.04	100	2.80	92	0R	4H	2W	
291.08	294.13	3.05	3.05	100	2.30	75	0R	3H	3W	
294.13	297.18	3.05	2.75	90	0.85	28	0R	3H	3W	
297.18	297.80	0.62	0.62	100	0.00	0	0R	3H	3W	
297.80	302.00	4.20	0	0	0.00	0	0R	--	--	Lost box.
302.00	303.28	1.28	1.28	100	1.15	90	0R	4H	2W	
303.28	306.32	3.04	3.04	100	2.75	90	0R	4H	2W	
306.32	309.37	3.05	3.05	100	2.95	97	0R	4H	2W	
309.37	312.42	3.05	3.05	100	3.05	100	0R	4H	2W	
312.42	315.47	3.05	3.05	100	3.05	100	0R	4H	2W	
315.47	318.52	3.05	3.05	100	3.05	100	0R	4H	2W	
318.52	321.56	3.04	3.04	100	3.04	100	0R	4H	2W	
321.56	324.61	3.05	3.05	100	3.05	100	0R	4H	2W	
324.61	327.66	3.05	3.05	100	3.05	100	0R	4H	2W	
327.66	330.71	3.05	3.05	100	3.05	100	0R	4H	2W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	B0050616	☐	MY19-004	low grade	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050627	☐	MY19-005	low grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050643	☐	MY19-005	low grade	ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050655	☐	MY19-005	low grade	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050669	☐	MY19-006	low grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W597395	☐	MY19-006	low grade	ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W597505	☐	MY19-007		ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W597508	☐	MY19-007			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W795009	☐	MY19-001		ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W795012	☐	MY19-001			☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W795022	☐	MY19-001		ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	W795027	☐	MY19-001			☑	☐	☐
0.00	4.57	4.57	-QC-	2.75	60	W795001	☐	MY19-001			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050601	☐	MY19-004	low grade	ML-2	☐	☐	☐
4.57	7.62	3.05	OVB, MNZ	3.05	100	W795002	☐	MY19-001			☐	☐	☐
7.62	10.67	3.05	MNZ	3.05	100	W795003	☐	MY19-001			☐	☐	☐
10.67	13.72	3.05	MNZ	3.05	100	W795004	☐	MY19-001			☐	☐	☐
13.72	16.76	3.04	MNZ	3.04	100	W795005	☐	MY19-001			☐	☐	☐
16.76	19.81	3.05	MNZ	3.05	100	W795006	☐	MY19-001			☐	☐	☐
19.81	22.86	3.05	MNZ	3.05	100	W795007	☐	MY19-001			☐	☐	☐
22.86	25.91	3.05	MNZ	3.05	100	W795008	☐	MY19-001			☐	☐	☐
25.91	28.96	3.05	MNZ	3.05	100	W795010	☐	MY19-001			☐	☐	☐
28.96	32.00	3.04	MNZ	3.04	100	W795011	☐	MY19-001			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
32.00	35.05	3.05	MNZ	2.96	97	W795013	☐	MY19-001			☐	☐	☐
35.05	38.10	3.05	MNZ	3.05	100	W795014	☐	MY19-001			☐	☐	☐
38.10	41.15	3.05	MNZ	3.05	100	W795015	☐	MY19-001			☐	☐	☐
41.15	44.20	3.05	MNZ	3.05	100	W795016	☐	MY19-001			☐	☐	☐
44.20	47.24	3.04	MNZ	3.04	100	W795017	☐	MY19-001			☐	☐	☐
44.20	47.24	3.04	MNZ	3.04	100	W795018	☐	MY19-001			☐	☑	☐
47.24	50.29	3.05	MNZ	3.05	100	W795019	☐	MY19-001			☐	☐	☐
50.29	53.34	3.05	MNZ	3.05	100	W795020	☐	MY19-001			☐	☐	☐
53.34	56.39	3.05	MNZ	3.05	100	W795021	☐	MY19-001			☐	☐	☐
56.39	59.44	3.05	MNZ	3.05	100	W795023	☐	MY19-001			☐	☐	☐
59.44	62.48	3.04	MNZ	3.04	100	W795024	☐	MY19-001			☐	☐	☐
62.48	65.53	3.05	MNZ	3.05	100	W795025	☐	MY19-001			☐	☐	☐
65.53	68.58	3.05	MNZ	3.05	100	W795026	☐	MY19-001			☐	☐	☐
68.58	71.63	3.05	MNZ	3.05	100	W795028	☐	MY19-001			☐	☐	☐
71.63	74.68	3.05	MNZ	3.05	100	W795029	☐	MY19-001			☐	☐	☐
74.68	77.72	3.04	MNZ	3.04	100	W795030	☐	MY19-001			☐	☐	☐
77.72	80.77	3.05	MNZ	3.05	100	W795031	☐	MY19-001			☐	☐	☐
77.72	80.77	3.05	MNZ	3.05	100	W795032	☐	MY19-001			☐	☐	☑
80.77	83.81	3.04	MNZ	3.04	100	W795033	☐	MY19-001			☐	☐	☐
83.81	86.87	3.06	MNZ	3.05	100	W795034	☐	MY19-001			☐	☐	☐
86.87	89.92	3.05	MNZ	3.05	100	W795035	☐	MY19-001			☐	☐	☐
89.92	92.96	3.04	MNZ	3.04	100	W795036	☐	MY19-001			☐	☐	☐
92.96	96.01	3.05	MNZ	3.05	100	W795037	☐	MY19-001			☐	☐	☐
96.01	99.06	3.05	MNZ	3.05	100	W795038	☐	MY19-001			☐	☐	☐
99.06	102.11	3.05	MNZ	3.05	100	W795039	☐	MY19-001			☐	☐	☐
102.11	105.16	3.05	MNZ	3.05	100	W795040	☐	MY19-001			☐	☐	☐
108.20	111.25	3.05	MNZ	3.05	100	W597501	☐	MY19-007			☐	☐	☐
111.25	114.30	3.05	MNZ	3.05	100	W597502	☐	MY19-007			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
114.30	117.35	3.05	MNZ	3.05	100	W597503	☐	MY19-007			☐	☐	☐
117.35	120.40	3.05	MNZ	3.05	100	W597504	☐	MY19-007			☐	☐	☐
120.40	123.44	3.04	MNZ	3.04	100	W597506	☐	MY19-007			☐	☐	☐
123.44	126.49	3.05	MNZ	3.05	100	W597507	☐	MY19-007			☐	☐	☐
126.49	129.54	3.05	MNZ	3.05	100	B0050597	☐	MY19-004	low grade		☐	☐	☐
129.54	132.59	3.05	MNZ	3.05	100	B0050598	☐	MY19-004	low grade		☐	☐	☐
132.59	135.64	3.05	MNZ	3.05	100	B0050599	☐	MY19-004	low grade		☐	☐	☐
135.64	138.68	3.04	MNZ	3.04	100	B0050600	☐	MY19-004	low grade		☐	☐	☐
138.68	141.73	3.05	MNZ	3.05	100	B0050602	☐	MY19-004	low grade		☐	☐	☐
141.73	144.78	3.05	MNZ	3.05	100	B0050603	☐	MY19-004	low grade		☐	☐	☐
144.78	147.83	3.05	MNZ	2.95	97	B0050604	☐	MY19-004	low grade		☐	☐	☐
147.83	150.88	3.05	MNZ	3.05	100	B0050605	☐	MY19-004	low grade		☐	☐	☐
150.88	153.92	3.04	MNZ	3.04	100	B0050606	☐	MY19-004	low grade		☐	☐	☐
153.92	156.97	3.05	MNZ	3.05	100	B0050607	☐	MY19-004	low grade		☐	☐	☐
153.92	156.97	3.05	MNZ	3.05	100	B0050608	☐	MY19-004	low grade		☐	☑	☐
156.97	160.02	3.05	MNZ	3.05	100	B0050609	☐	MY19-004	low grade		☐	☐	☐
160.02	163.07	3.05	MNZ	3.05	100	B0050610	☐	MY19-004	low grade		☐	☐	☐
163.07	166.12	3.05	MNZ	3.05	100	B0050611	☐	MY19-004	low grade		☐	☐	☐
166.12	169.16	3.04	MNZ	3.04	100	B0050612	☐	MY19-004	low grade		☐	☐	☐
169.16	172.21	3.05	MNZ	3.05	100	B0050613	☐	MY19-004	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
172.21	175.26	3.05	MNZ	3.05	100	B0050614	☐	MY19-004	low grade		☐	☐	☐
175.26	178.31	3.05	MNZ	3.05	100	B0050615	☐	MY19-004	low grade		☐	☐	☐
178.31	181.36	3.05	s	3.05	100	B0050617	☐	MY19-004	low grade		☐	☐	☐
181.36	184.40	3.04	s	3.04	100	B0050618	☐	MY19-004	low grade		☐	☐	☐
184.40	187.45	3.05	s	3.05	100	B0050619	☐	MY19-004	low grade		☐	☐	☐
187.45	190.50	3.05	s	3.05	100	B0050620	☐	MY19-004	low grade		☐	☐	☐
190.50	193.55	3.05	MNZ	3.05	100	B0050621	☐	MY19-005	low grade		☐	☐	☐
193.55	196.60	3.05	MNZ	3.05	100	B0050622	☐	MY19-005	low grade		☐	☐	☐
196.60	199.64	3.04	MNZ	3.04	100	B0050623	☐	MY19-005	low grade		☐	☐	☐
199.64	202.69	3.05	MNZ	3.05	100	B0050624	☐	MY19-005	low grade		☐	☐	☐
202.69	205.74	3.05	MNZ	3.05	100	B0050625	☐	MY19-005	low grade		☐	☐	☐
205.74	208.79	3.05	MNZ	3.05	100	B0050626	☐	MY19-005	low grade		☐	☐	☐
208.79	211.84	3.05	MNZ	3.05	100	B0050628	☐	MY19-005	low grade		☐	☐	☐
211.84	214.88	3.04	MNZ	3.04	100	B0050629	☐	MY19-005	low grade		☐	☐	☐
214.88	217.93	3.05	MNZ	3.05	100	B0050630	☐	MY19-005	low grade		☐	☐	☐
217.93	220.98	3.05	MNZ	3.05	100	B0050631	☐	MY19-005	low grade		☐	☐	☐
220.98	224.03	3.05	MNZ	3.05	100	B0050632	☐	MY19-005	low grade		☐	☐	☐
224.03	227.08	3.05	MNZ	3.05	100	B0050633	☐	MY19-005	low grade		☐	☐	☐
227.08	230.12	3.04	MNZ	3.04	100	B0050634	☐	MY19-005	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
230.12	233.17	3.05	MNZ	3.05	100	B0050635	☐	MY19-005	low grade		☐	☐	☐
230.12	233.17	3.05	MNZ	3.05	100	B0050636	☐	MY19-005	low grade		☐	☐	☑
233.17	236.22	3.05	MNZ	3.05	100	B0050637	☐	MY19-005	low grade		☐	☐	☐
236.22	239.27	3.05	MNZ	3.05	100	B0050638	☐	MY19-005	low grade		☐	☐	☐
239.27	242.32	3.05	MNZ	3.05	100	B0050639	☐	MY19-005	low grade		☐	☐	☐
242.32	245.36	3.04	MNZ	2.95	97	B0050640	☐	MY19-005	low grade		☐	☐	☐
245.36	248.41	3.05	MNZ	3.05	100	B0050641	☐	MY19-005	low grade		☐	☐	☐
248.41	251.46	3.05	MNZ	3.05	100	B0050642	☐	MY19-005	low grade		☐	☐	☐
251.46	254.51	3.05	MNZ	3.05	100	B0050644	☐	MY19-005	low grade		☐	☐	☐
254.51	257.56	3.05	MNZ	3.05	100	B0050645	☐	MY19-005	low grade		☐	☐	☐
257.56	260.60	3.04	MNZ	3.04	100	B0050646	☐	MY19-005	low grade		☐	☐	☐
260.60	263.65	3.05	MNZ	3.05	100	B0050647	☐	MY19-005	low grade		☐	☐	☐
263.65	266.70	3.05	MNZ	3.05	100	B0050648	☐	MY19-005	low grade		☐	☐	☐
263.65	266.70	3.05	MNZ	3.05	100	B0050649	☐	MY19-005	low grade		☐	☑	☐
266.70	269.75	3.05	MNZ	3.05	100	B0050650	☐	MY19-005	low grade		☐	☐	☐
269.75	272.80	3.05	MNZ	3.05	100	B0050651	☐	MY19-005	low grade		☐	☐	☐
272.80	275.84	3.04	MNZ	3.04	100	B0050652	☐	MY19-005	low grade		☐	☐	☐
275.84	278.89	3.05	MNZ	3.05	100	B0050653	☐	MY19-005	low grade		☐	☐	☐
278.89	281.94	3.05	MNZ	2.95	97	B0050654	☐	MY19-005	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
281.94	284.99	3.05	MNZ	3.05	100	B0050656	☐	MY19-005	low grade		☐	☐	☐
284.99	288.04	3.05	MNZ	3.05	100	B0050657	☐	MY19-005	low grade		☐	☐	☐
288.04	291.08	3.04	MNZ	3.04	100	B0050658	☐	MY19-005	low grade		☐	☐	☐
291.08	294.13	3.05	MNZ	3.05	100	B0050659	☐	MY19-005	low grade		☐	☐	☐
294.13	296.00	1.87	MNZ	1.87	100	B0050660	☐	MY19-005	low grade		☐	☐	☐
296.00	297.80	1.80	FLT	1.50	83	B0050661	☐	MY19-006	low grade		☐	☐	☐
302.00	303.28	1.28	MNZ	1.28	100	B0050662	☐	MY19-006	low grade		☐	☐	☐
303.28	306.32	3.04	MNZ	3.04	100	B0050663	☐	MY19-006	low grade		☐	☐	☐
306.32	309.37	3.05	MNZ	3.05	100	B0050664	☐	MY19-006	low grade		☐	☐	☐
306.32	309.37	3.05	MNZ	3.05	100	W597396	☐	MY19-006	low grade		☐	☐	☑
309.37	312.42	3.05	MNZ	3.05	100	B0050665	☐	MY19-006	low grade		☐	☐	☐
312.42	315.47	3.05	MNZ	3.05	100	B0050666	☐	MY19-006	low grade		☐	☐	☐
315.47	318.52	3.05	MNZ	3.05	100	B0050667	☐	MY19-006	low grade		☐	☐	☐
318.52	321.56	3.04	MNZ	3.04	100	B0050668	☐	MY19-006	low grade		☐	☐	☐
321.56	324.61	3.05	MNZ	3.05	100	B0050670	☐	MY19-006	low grade		☐	☐	☐
324.61	327.66	3.05	MNZ	3.05	100	B0050671	☐	MY19-006	low grade		☐	☐	☐
327.66	330.71	3.05	MNZ	3.05	100	B0050672	☐	MY19-006	low grade		☐	☐	☐

Sample Results

Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-004	B0050601	0.00	0.00	0.77	8530		31	1.4	☐	☐	☐	☑ ML-2	
MY19-004	B0050616	0.00	0.00	1.55	150		35	2.5	☐	☐	☐	☑ ME-16	
MY19-005	B0050627	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
MY19-005	B0050643	0.00	0.00	0.76	8580		30	1.3	☐	☐	☐	☑ ML-2	
MY19-005	B0050655	0.00	0.00	1.31	141		31	2.3	☐	☐	☐	☑ ME-16	
MY19-006	B0050669	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
MY19-006	W597395	0.00	0.00	0.78	8590		34	1.3	☐	☐	☐	☑ ML-2	std ML-2
MY19-007	W597505	0.00	0.00	0.82	9070		36	1.4	☐	☐	☐	☑ ML-2	ML-2 STD
MY19-007	W597508	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	blank
MY19-001	W795001	0.00	4.57	0.00	5		0	1.6	☐	☐	☐	☐	
MY19-001	W795009	0.00	0.00	0.80	8490		32	1.2	☐	☐	☐	☑ ML-2	
MY19-001	W795012	0.00	0.00	0.00	1		0	0.0	☐	☐	☑	☐	
MY19-001	W795022	0.00	0.00	1.42	148		32	2.3	☐	☐	☐	☑ ME-16	
MY19-001	W795027	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-001	W795002	4.57	7.62	0.00	27		2	2.3	☐	☐	☐	☐	
MY19-001	W795003	7.62	10.67	0.00	5		0	1.0	☐	☐	☐	☐	
MY19-001	W795004	10.67	13.72	0.00	6		0	1.2	☐	☐	☐	☐	
MY19-001	W795005	13.72	16.76	0.03	9		0	1.4	☐	☐	☐	☐	
MY19-001	W795006	16.76	19.81	0.00	3		0	1.1	☐	☐	☐	☐	
MY19-001	W795007	19.81	22.86	0.06	19		0	1.2	☐	☐	☐	☐	
MY19-001	W795008	22.86	25.91	0.04	4		0	1.3	☐	☐	☐	☐	
MY19-001	W795010	25.91	28.96	0.01	7		0	1.3	☐	☐	☐	☐	
MY19-001	W795011	28.96	32.00	0.09	5		0	1.4	☐	☐	☐	☐	
MY19-001	W795013	32.00	35.05	0.11	13		0	1.5	☐	☐	☐	☐	
MY19-001	W795014	35.05	38.10	0.19	13		0	1.5	☐	☐	☐	☐	
MY19-001	W795015	38.10	41.15	0.03	3		0	1.4	☐	☐	☐	☐	
MY19-001	W795016	41.15	44.20	0.08	1		0	1.3	☐	☐	☐	☐	
MY19-001	W795017	44.20	47.24	0.01	1		0	1.2	☐	☐	☐	☐	
MY19-001	W795018	44.20	47.24	0.03	1		0	1.1	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-001	W795019	47.24	50.29	0.07	3		0	1.2	☐	☐	☐	☐	
MY19-001	W795020	50.29	53.34	0.01	4		0	1.2	☐	☐	☐	☐	
MY19-001	W795021	53.34	56.39	0.00	1		0	1.0	☐	☐	☐	☐	
MY19-001	W795023	56.39	59.44	0.00	2		0	1.1	☐	☐	☐	☐	
MY19-001	W795024	59.44	62.48	0.08	3		0	1.0	☐	☐	☐	☐	
MY19-001	W795025	62.48	65.53	0.00	31		0	1.1	☐	☐	☐	☐	
MY19-001	W795026	65.53	68.58	0.00	80		0	1.3	☐	☐	☐	☐	
MY19-001	W795028	68.58	71.63	0.02	89		0	1.2	☐	☐	☐	☐	
MY19-001	W795029	71.63	74.68	0.01	2		0	1.1	☐	☐	☐	☐	
MY19-001	W795030	74.68	77.72	0.04	2		0	1.0	☐	☐	☐	☐	
MY19-001	W795031	77.72	80.77	0.01	1		0	1.0	☐	☐	☐	☐	
MY19-001	W795032	77.72	80.77	0.01	1		0	1.0	☐	☑	☐	☐	
MY19-001	W795033	80.77	83.81	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-001	W795034	83.81	86.87	0.01	0		0	0.9	☐	☐	☐	☐	
MY19-001	W795035	86.87	89.92	0.04	1		0	1.0	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-001	W795036	89.92	92.96	0.00	2		0	1.0	☐	☐	☐	☐	
MY19-001	W795037	92.96	96.01	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-001	W795038	96.01	99.06	0.00	1		0	1.0	☐	☐	☐	☐	
MY19-001	W795039	99.06	102.11	0.00	3		0	1.0	☐	☐	☐	☐	
MY19-001	W795040	102.11	105.16	0.00	0		0	1.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
MY19-007	W597501	108.20	111.25	0.00	3		0	0.9	☐	☐	☐	☐	
MY19-007	W597502	111.25	114.30	0.00	1		0	1.0	☐	☐	☐	☐	
MY19-007	W597503	114.30	117.35	0.00	1		0	1.3	☐	☐	☐	☐	
MY19-007	W597504	117.35	120.40	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-007	W597506	120.40	123.44	0.00	6		0	1.1	☐	☐	☐	☐	
MY19-007	W597507	123.44	126.49	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-004	B0050597	126.49	129.54	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-004	B0050598	129.54	132.59	0.00	1		0	1.0	☐	☐	☐	☐	
MY19-004	B0050599	132.59	135.64	0.00	2		0	0.9	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-004	B0050600	135.64	138.68	0.00	27		0	1.3	☐	☐	☐	☐	
MY19-004	B0050602	138.68	141.73	0.00	9		0	1.2	☐	☐	☐	☐	
MY19-004	B0050603	141.73	144.78	0.00	3		0	1.1	☐	☐	☐	☐	
MY19-004	B0050604	144.78	147.83	0.00	3		0	1.0	☐	☐	☐	☐	
MY19-004	B0050605	147.83	150.88	0.00	6		0	1.0	☐	☐	☐	☐	
MY19-004	B0050606	150.88	153.92	0.01	3		0	0.9	☐	☐	☐	☐	
MY19-004	B0050607	153.92	156.97	0.00	3		0	0.9	☐	☐	☐	☐	
MY19-004	B0050608	153.92	156.97	0.00	4		0	0.9	☑	☐	☐	☐	
MY19-004	B0050609	156.97	160.02	0.02	1		0	0.9	☐	☐	☐	☐	
MY19-004	B0050610	160.02	163.07	0.01	9		0	1.0	☐	☐	☐	☐	
MY19-004	B0050611	163.07	166.12	0.00	4		0	1.0	☐	☐	☐	☐	
MY19-004	B0050612	166.12	169.16	0.00	4		0	1.0	☐	☐	☐	☐	
MY19-004	B0050613	169.16	172.21	0.00	5		0	0.8	☐	☐	☐	☐	
MY19-004	B0050614	172.21	175.26	0.00	14		0	1.2	☐	☐	☐	☐	
MY19-004	B0050615	175.26	178.31	0.01	19		0	1.7	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-004	B0050617	178.31	181.36	0.00	11		0	0.9	☐	☐	☐	☐	
MY19-004	B0050618	181.36	184.40	0.00	4		0	1.5	☐	☐	☐	☐	
MY19-004	B0050619	184.40	187.45	0.00	2		0	1.2	☐	☐	☐	☐	
MY19-004	B0050620	187.45	190.50	0.01	5		0	1.3	☐	☐	☐	☐	
MY19-005	B0050621	190.50	193.55	0.00	3		0	1.0	☐	☐	☐	☐	
MY19-005	B0050622	193.55	196.60	0.00	2		0	1.0	☐	☐	☐	☐	
MY19-005	B0050623	196.60	199.64	0.00	2		0	1.2	☐	☐	☐	☐	
MY19-005	B0050624	199.64	202.69	0.00	2		0	1.6	☐	☐	☐	☐	
MY19-005	B0050625	202.69	205.74	0.00	2		0	1.1	☐	☐	☐	☐	
MY19-005	B0050626	205.74	208.79	0.00	7		0	1.0	☐	☐	☐	☐	
MY19-005	B0050628	208.79	211.84	0.00	2		0	1.2	☐	☐	☐	☐	
MY19-005	B0050629	211.84	214.88	0.09	2		0	1.0	☐	☐	☐	☐	
MY19-005	B0050630	214.88	217.93	0.05	20		0	1.1	☐	☐	☐	☐	
MY19-005	B0050631	217.93	220.98	0.00	3		0	1.0	☐	☐	☐	☐	
MY19-005	B0050632	220.98	224.03	0.00	2		0	1.3	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-005	B0050633	224.03	227.08	0.00	2		0	1.0	☐	☐	☐	☐	
MY19-005	B0050634	227.08	230.12	0.00	8		0	1.3	☐	☐	☐	☐	
MY19-005	B0050635	230.12	233.17	0.01	12		0	1.3	☐	☐	☐	☐	
MY19-005	B0050636	230.12	233.17	0.01	13		0	1.2	☐	☑	☐	☐	
MY19-005	B0050637	233.17	236.22	0.00	2		0	1.1	☐	☐	☐	☐	
MY19-005	B0050638	236.22	239.27	0.03	15		0	1.1	☐	☐	☐	☐	
MY19-005	B0050639	239.27	242.32	0.04	15		0	1.6	☐	☐	☐	☐	
MY19-005	B0050640	242.32	245.36	0.01	2		0	1.2	☐	☐	☐	☐	
MY19-005	B0050641	245.36	248.41	0.00	1		0	1.2	☐	☐	☐	☐	
MY19-005	B0050642	248.41	251.46	0.00	3		0	1.3	☐	☐	☐	☐	
MY19-005	B0050644	251.46	254.51	0.00	11		0	1.4	☐	☐	☐	☐	
MY19-005	B0050645	254.51	257.56	0.01	4		0	1.4	☐	☐	☐	☐	
MY19-005	B0050646	257.56	260.60	0.00	3		0	1.4	☐	☐	☐	☐	
MY19-005	B0050647	260.60	263.65	0.01	8		0	1.5	☐	☐	☐	☐	
MY19-005	B0050648	263.65	266.70	0.12	5		0	1.6	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-005	B0050649	263.65	266.70	0.52	8		0	1.7	☑	☐	☐	☐	
MY19-005	B0050650	266.70	269.75	0.00	3		0	1.2	☐	☐	☐	☐	
MY19-005	B0050651	269.75	272.80	0.01	3		0	1.3	☐	☐	☐	☐	
MY19-005	B0050652	272.80	275.84	0.00	2		0	1.4	☐	☐	☐	☐	
MY19-005	B0050653	275.84	278.89	0.00	2		0	1.2	☐	☐	☐	☐	
MY19-005	B0050654	278.89	281.94	0.01	4		0	1.2	☐	☐	☐	☐	
MY19-005	B0050656	281.94	284.99	0.11	2		0	1.2	☐	☐	☐	☐	
MY19-005	B0050657	284.99	288.04	0.00	1		0	1.3	☐	☐	☐	☐	
MY19-005	B0050658	288.04	291.08	0.01	9		0	1.6	☐	☐	☐	☐	
MY19-005	B0050659	291.08	294.13	0.02	12		0	1.2	☐	☐	☐	☐	
MY19-005	B0050660	294.13	296.00	0.00	22		0	1.3	☐	☐	☐	☐	
MY19-006	B0050661	296.00	297.80	0.05	57		0	1.8	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	Lost core box
MY19-006	B0050662	302.00	303.28	0.01	5		0	1.6	☐	☐	☐	☐	
MY19-006	B0050663	303.28	306.32	0.01	4		0	1.6	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-006	B0050664	306.32	309.37	0.06	1		0	1.2	☐	☐	☐	☐	
MY19-006	W597396	306.32	309.37	0.05	1		0	1.3	☐	☑	☐	☐	coarse dup
MY19-006	B0050665	309.37	312.42	0.02	1		0	1.2	☐	☐	☐	☐	
MY19-006	B0050666	312.42	315.47	0.02	1		0	1.5	☐	☐	☐	☐	
MY19-006	B0050667	315.47	318.52	0.01	1		0	1.2	☐	☐	☐	☐	
MY19-006	B0050668	318.52	321.56	0.00	1		0	1.4	☐	☐	☐	☐	
MY19-006	B0050670	321.56	324.61	0.00	1		0	1.3	☐	☐	☐	☐	
MY19-006	B0050671	324.61	327.66	0.01	1		0	1.5	☐	☐	☐	☐	
MY19-006	B0050672	327.66	330.71	0.00	1		0	1.5	☐	☐	☐	☐	

Meloy - Meloy

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		649838	6820066	1961	367.59

ZONE: Main Ridge

SECTION:

HOLE: MY -19-002

CLAIM: YC65712 - Meloy 8

Contractor: Superior

Drill: 1

Core Size: NQ2

Casing Depth:

Drilling Dates: -

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5	5	OVB
5	70.28	65.28	MNZ
70.28	141.66	71.38	MNZ
141.66	151	9.34	MNZ
151	196.5	45.5	MNZ
196.5	260.91	64.41	MNZ
260.91	319.7	58.79	MNZ
319.7	321.34	1.64	GRN
321.34	349.7	28.36	MNZ
349.7	353.89	4.19	GRN
353.89	358.22	4.33	MNZ
358.22	367.59	9.37	GRN

SAMPLES	
Numbers:	
Total:	0
Batch:	
Certificates:	

COMMENTS
DDH Reflex survey not useable - survey tool too close to drill rods

Box Log

MY -19-002

Meloy
Main Ridge Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
46	196.9	201.2
47	201.2	205.3
48	205.3	209.57
49	209.57	213.84
50	213.84	218.24
51	218.24	222.6
52	222.6	226.95
53	226.95	231.18
54	231.18	235.59
55	235.59	239.7
56	239.7	244
57	244	248.67
58	248.67	252.57
59	252.57	256.88
60	256.88	260.91
61	260.91	265.1
62	265.1	269
63	269	273.24
64	273.24	277.52
65	277.52	281.74
66	281.74	285.61
67	285.61	289.75
68	289.75	294
69	294	298.22
70	298.22	302.35
71	302.35	306.63
72	306.63	310.81
73	310.81	315.15
74	315.15	319.36
75	319.36	323.65
76	323.65	327.96
77	327.96	332.24
78	332.24	336.67
79	336.67	340.92
80	340.92	345.37
81	345.37	349.72
82	349.72	354
83	354	358.42
84	358.42	362.61
85	362.61	367.11
86	367.11	367.59

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	5.00	5.00	OVB	--	No recovery - top of hole.							
5.00	70.28	65.28	MNZ	FG	Light to medium grey, fine grained to locally medium grained quartz monzonite. Very homogeneous composition throughout interval. Carries mm-scale stringers of quartz throughout, but nothing with strong vein density. Fractures are present throughout that are typically planar and in instances are planar fracture that have occurred along hairline stringer veins. Moly is present along local isolated fracture planes as dissemination (along fractured quartz stringers). Sporadic patches (1 or 2, 5-20 cm wide) of medium to coarse grained biotite rich intrusive phase/intrusion present. No oxidize fractures or intervals present, indicating this hole is not influenced by 'leached cap' or oxidation from surface.							
						MD	GY					
						LT	GY	FR			mo	0.1
70.28	141.66	71.38	MNZ	FG	Light to medium grey quartz monzonite (same as above). Unit has a noticable decrease in vein frequency. Two pervasively oxidized fracture zones are present, associated with drusy white quartz veins (local rusy patches) and fractures. (seen from 70-133m). Trace moly is found dissemianted in stringers, but is rare and difficult to see unless found along a fracture vein plane. Vuggy, drusy milky white quartz is present along with barren grey quartz veining. Aleration is limited to minor halos of pale white feldspar alteration along vein selveges, typicall up to 2cm. Oxidation is present along fractures, but not notably significant.							
						MD	GY					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
141.66	149.00	7.34	MNZ	FG	light grey quartz monzonite that is flooded by patches and clasts of pegmatitic quartz-feldspar (represents cavitiesd/degassing during fluid cooling), typically occuring in 1-5cm patches, but up to 15cm. Pegmatitic monzonite carreis the same veining and secondary textures as non pegmatitic monzonite. Colouration of this unit is more creamy/tan along with light grey from the introduction of pegmatitic minerals. Coarse grains of biotite are present scattered randomly through monzonite, and is rimmed with oxidation. This is secondary biotite that is introduced and then slowly alteres or becomes replaced locally with chlorite.							
						LT	GY					
						LT	OR					
149.00	149.60	0.60	FLT	--	Bleached pale white zone of clay altered monzonite that is rubbly and fractured within. Represents fault zone.							
						LT	WH	RB	ARG	5I		
								FR	CLY	5I		
149.60	151.00	1.40	MNZ	FG	light grey quartz monzonite that is flooded by patches and clasts of pegmatitic quartz-feldspar (represents cavitiesd/degassing during fluid cooling), typically occuring in 1-5cm patches, but up to 15cm. Pegmatitic monzonite carreis the same veining and secondary textures as non pegmatitic monzonite. Colouration of this unit is more creamy/tan along with light grey from the introduction of pegmatitic minerals. Coarse grains of biotite are present scattered randomly through monzonite, and is rimmed with oxidation. This is secondary biotite that is introduced and then slowly alteres or becomes replaced locally with chlorite.							
151.00	190.80	39.80	MNZ	FG	Unaltered quartz monzonite with local pegmatitic quartz-feldspar clasts/patches throughout locally, up to 10 cm. Oxide rimmed (radial) biotite clasts are present scattered throughout, often associated with pegmatitic patches.							
						LT	GY	SP	OXI	1I		
						LT	OR	PG				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
190.80	191.00	0.20	FLT	--	bleached white, clay/argillic altered, dry powdery fractured zone that represents fault within monzonite. No orientatioin.							
191.00	196.50	5.50	MNZ	FG	Unaltered quartz monzonite with local pegmatitic quartz-feldspar clasts/patches throughout locally, up to 10 cm. Oxide rimmed (radial) biotite clasts are present scattered throughout, often associated with pegmatitic patches.							
196.50	260.91	64.41	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles							
						MD	GY	SW				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	SP	OXI	1I		
260.91	286.60	25.69	MNZ	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.							
						MD	OR	FR	OXI	2I	Po	0.1
						LT	GY	SP	OXI	1I	Po	0.1
											He	0.1
											Py	0.1
286.60	288.30	1.70	MNZ	FG	orange oxidized zone of quartz monzonite that has been introduced to clay/argillic alteration. Feldspar clasts replaced with chalky white clay. Minor clay altered breccia (5cm) present. All fractures, veins have oxidation and overall weakly to moderate pervasive oxidation is present.							
						MD	OR		OXI	1I		
						MD	GY		OXI	2I		
						LT	WH	FR	ARG	4I		
						LT	OR		CLY	4I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
288.30	311.00	22.70	MNZ	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.							
311.00	319.40	8.40	MNZ	FG	quartz monzonite with pegmatitic quartz-feldspar clasts but has increased density of radial oxide rimmed biotite grains.							
						MD	OR					
						MD	GY					
						LT	OR	SP				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
319.40	319.70	0.30	MNZ	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.							
319.70	321.34	1.64	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Upper contact with densely biotite rich intrusion is sharp and undulating, while lower contact is very gradational. Upper part of interval seems to have flow banded/ aligned biotite grians, which become scattered and unoriented with depth, and also decrease in density. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.							
						MD	GY	RX				
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
321.34	331.00	9.66	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
						MD	GY		ARG	3I		
						LT	OR		CLY	4I		
						LT	GY		OXI	1I		
331.00	331.92	0.92	FLT	--	bleached white, chalky and powdery argillic/clay altered fault zone. Too fractured for orientation.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
331.92	349.70	17.78	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
349.70	353.89	4.19	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
353.89	357.55	3.66	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
357.55	357.96	0.41	FLT	--	bleached white, storngly rubbly and clay altered fault zone with significant core loss.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
357.96	358.22	0.26	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
358.22	367.59	9.37	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite. Increased presence of pegmatitic quartz-feldspar within, indicating proximity to coarse grained granodiorite/pegmatite contact? Reduced oxidation and presence of oxide rimmed biotite grains (<1%).							
						MD	GY	SP				
						LT	OR					
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
0.00	5.00	5.00	OVB	ovb	--	No recovery - top of hole.
5.00	70.28	65.28	MNZ	monz	FG	Light to medium grey, fine grained to locally medium grained quartz monzonite. Very homogeneous composition throughout interval. Carries mm-scale stringers of quartz throughout, but nothing with strong vein density. Fractures are present throughout that are typically planar and in instances are planar fracture that have occurred along hairline stringer veins. Moly is present along local isolated fracture planes as dissemination (along fractured quartz stringers). Sporadic patches (1 or 2, 5-20 cm wide) of medium to coarse grained biotite rich intrusive phase/intrusion present. No oxidize fractures or intervals present, indicating this hole is not influenced by 'leached cap' or oxidation from surface.
70.28	141.66	71.38	MNZ	monz	FG	Light to medium grey quartz monzonite (same as above). Unit has a noticable decrease in vein frequency. Two pervasively oxidized fracture zones are present, associated with drusy white quartz veins (local rusy patches) and fractures. (seen from 70-133m). Trace moly is found dissemianted in stringers, but is rare and difficult to see unless found along a fracture vein plane. Vuggy, drusy milky white quartz is present along with barren grey quartz veining. Aleration is limited to minor halos of pale white feldspar alteration along vein selveges, typicall up to 2cm. Oxidation is present along fractures, but not notably significant.
141.66	149.00	7.34	MNZ	monz	FG	light grey quartz monzonite that is flooded by patches and clasts of pegmatitic quartz-feldspar (represents cavitiesd/degassing during fluid cooling), typically occuring in 1-5cm patches, but up to 15cm. Pegmatitic monzonite carreis the same veining and secondary textures as non pegmatitic monzonite. Colouration of this unit is more creamy/tan along with light grey from the introduction of pegmatitic minerals. Coarse grains of biotite are present scattered randomly through monzonite, and is rimmed with oxidation. This is secondary biotite that is introduced and then slowly alteres or becomes replaced locally with chlorite.
149.00	149.60	0.60	FLT	monz	--	Bleached pale white zone of clay altered monzonite that is rubbly and fractured within. Represents fault zone.
149.60	151.00	1.40	MNZ	monz	FG	light grey quartz monzonite that is flooded by patches and clasts of pegmatitic quartz-feldspar (represents cavitiesd/degassing during fluid cooling), typically occuring in 1-5cm patches, but up to 15cm. Pegmatitic monzonite carreis the same veining and secondary textures as non pegmatitic monzonite. Colouration of this unit is more creamy/tan along with light grey from the introduction of pegmatitic minerals. Coarse grains of biotite are present scattered randomly through monzonite, and is rimmed with oxidation. This is secondary biotite that is introduced and then slowly alteres or becomes replaced locally with chlorite.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
151.00	190.80	39.80	MNZ	monz	FG	Unaltered quartz monzonite with local pegmatitic quartz-feldspar clasts/patches throughout locally, up to 10 cm. Oxide rimmed (radial) biotite clasts are present scattered throughout, often associated with pegmatitic patches.
190.80	191.00	0.20	FLT	monz	--	bleached white, clay/argillic altered, dry powdery fractured zone that represents fault within monzonite. No orientatioin.
191.00	196.50	5.50	MNZ	monz	FG	Unaltered quartz monzonite with local pegmatitic quartz-feldspar clasts/patches throughout locally, up to 10 cm. Oxide rimmed (radial) biotite clasts are present scattered throughout, often associated with pegmatitic patches.
196.50	260.91	64.41	MNZ	monz	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles
260.91	286.60	25.69	MNZ	monz	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
286.60	288.30	1.70	MNZ	monz	FG	orange oxidized zone of quartz monzonite that has been introduced to clay/argillic alteration. Feldspar clasts replaced with chalky white clay. Minor clay altered breccia (5cm) present. All fractures, veins have oxidation and overall weakly to moderate pervasive oxidation is present.
288.30	311.00	22.70	MNZ	monz	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.
311.00	319.40	8.40	MNZ	monz	FG	quartz monzonite with pegmatitic quartz-feldspar clasts but has increased density of radial oxide rimmed biotite grains.
319.40	319.70	0.30	MNZ	monz	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.
319.70	321.34	1.64	GRN	granite	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Upper contact with densely biotite rich intrusion is sharp and undulating, while lower contact is very gradational. Upper part of interval seems to have flow banded/ aligned biotite grians, which become scattered and unoriented with depth, and also decrease in density. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
321.34	331.00	9.66	MNZ	monz	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.
331.00	331.92	0.92	FLT	monz	--	bleached white, chalky and powdery argillic/clay altered fault zone. Too fractured for orientation.
331.92	349.70	17.78	MNZ	monz	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
349.70	353.89	4.19	GRN	granite	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.
353.89	357.55	3.66	MNZ	monz	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.
357.55	357.96	0.41	FLT	monz	--	bleached white, storngly rubbly and clay altered fault zone with significant core loss.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
357.96	358.22	0.26	MNZ	monz	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.
358.22	367.59	9.37	GRN	granite	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite. Increased presence of pegmatitic quartz-feldspar within, indicating proximity to coarse grained granodiorite/pegmatite contact? Reduced oxidation and presence of oxide rimmed biotite grains (<1%).

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	5.00	5.00	OVB	--	No recovery - top of hole.							
5.00	70.28	65.28	MNZ	FG	Light to medium grey, fine grained to locally medium grained quartz monzonite. Very homogeneous composition throughout interval. Carries mm-scale stringers of quartz throughout, but nothing with strong vein density. Fractures are present throughout that are typically planar and in instances are planar fracture that have occurred along hairline stringer veins. Moly is present along local isolated fracture planes as dissemination (along fractured quartz stringers). Sporadic patches (1 or 2, 5-20 cm wide) of medium to coarse grained biotite rich intrusive phase/intrusion present. No oxidize fractures or intervals present, indicating this hole is not influenced by 'leached cap' or oxidation from surface.							
						LT	GY	FR			mo	0.1
						MD	GY					
70.28	141.66	71.38	MNZ	FG	Light to medium grey quartz monzonite (same as above). Unit has a noticable decrease in vein frequency. Two pervasively oxidized fracture zones are present, associated with drusy white quartz veins (local rusy patches) and fractures. (seen from 70-133m). Trace moly is found dissemianted in stringers, but is rare and difficult to see unless found along a fracture vein plane. Vuggy, drusy milky white quartz is present along with barren grey quartz veining. Aleration is limited to minor halos of pale white feldspar alteration along vein selveges, typicall up to 2cm. Oxidation is present along fractures, but not notably significant.							
						LT	GY					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
141.66	151.00	9.34	MNZ	FG	light grey quartz monzonite that is flooded by patches and clasts of pegmatitic quartz-feldspar (represents cavities/degassing during fluid cooling), typically occuring in 1-5cm patches, but up to 15cm. Pegmatitic monzonite carreis the same veining and secondary textures as non pegmatitic monzonite. Colouration of this unit is more creamy/tan along with light grey from the introduction of pegmatitic minerals. Coarse grains of biotite are present scattered randomly through monzonite, and is rimmed with oxidation. This is secondary biotite that is introduced and then slowly alteres or becomes replaced locally with chlorite. Intenseltt clay altered fault zone is present that is powdery and has minor rubble/fracture zone within.							
						LT	GY	SP	OXI	1I		
						LT	OR					
151.00	196.50	45.50	MNZ	FG	Unaltered quartz monzonite with local pegmatitic quartz-feldspar clasts/patches throughout locally, up to 10 cm. Oxide rimmed (radial) biotite clasts are present scattered throughout, often associated with pegmatitic patches. Last oxidized fracure is found at 170m.							
						LT	GY	SP	OXI	1I		
						LT	OR	PG				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
196.50	260.91	64.41	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
						MD	GY	SW				
						LT	GY	SP	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
260.91	319.70	58.79	MNZ	FG	Same as above quartz monzonite description. Quartz veinlets are dominantly unmineralized but range from quartz, quartz-biotite, quartz-chlorite, quartz-moly (rare), quartz-carbonate. Quartz-carbonate veinlets have white bands of carbonate within that are reactive to HCL, and always crosscut other vein types (latest vein phase), followed by quartz-chlorite and drusy quartz. Clasts of radial biotite rimmed with oxide are present throughout, up to 5cm, and are locally altered and replaced with pyrrhotite, pyrite +- hematite in the radial core. Oxidiation is found along fractures and quartz veinlets, often bleeding out as a weak pervasive stain into the host rock before ending abruptly against unaltered monzonite. Manganese infill locally on fractures. Pegmatitic quartz-feldspar clasts are scattered throughout the core, ranging from discrete grains gradationally mixed with quartz-monzonite to sharp xenolithic textured clasts up to 20cm. Intermittent phases of biotite-rich intrusion present within, that is defined by uniquely textured, razor blade biotite grains within that are densely packed.							
											He	0.1
						MD	OR	FR	OXI	2I	Po	0.1
											Py	0.1
						LT	GY	SP	OXI	1I	Po	0.1
319.70	321.34	1.64	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Upper contact with densely biotite rich intrusion is sharp and undulating, while lower contact is very gradational. Upper part of interval seems to have flow banded/ aligned biotite grians, which become scattered and unoriented with depth, and also decrease in density. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.							
						MD	GY	RX				
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
321.34	349.70	28.36	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
						MD	GY		ARG	3I		
						LT	OR		CLY	4I		
						LT	GY		OXI	1I		
349.70	353.89	4.19	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
353.89	358.22	4.33	MNZ	FG	fine grained light grey quartz monzonite. Monzonite is riddled with pegmatitic quartz-feldspar patches throughout that vary in size from 1-20cm in width. Interval has narrow areas of biotite rich second intrusive phase that occur as xenolithic textures (older intrusion xenoliths, or second coarse phase of quartz-monzonite) (phase change has densely packed, razor biotite blads that are very straight edged). Sporadic grains of secondary biotite (up to 2cm) are scattered throughout quartz-monzonite unit, that are rimmed radially with oxide and cored by limonitic oxide centre. Blebby oxidized biotite start to become densely packed at around 200m. Very fine grained magnetite is introduced and present in quartz monzonte (reflected by increase in mag sus readings). Alteration is confined to halos around veining (feldspar altn), with no noticeable host rock alteration present. Veining that occurs throughout entire hole is described below: 1) Grey (typically barren) quartz; 2) hairline to mm-scale grey quartz biotite (usually banded biotite along vein margins, but can be along centre-line as well); 3) quartz chlorite (milky white quartz) with chlorite along outer selveges (later stage, crosscuts all other veining); 4) drusy quartz (milky quartz that has noticeable sugary quartz and cavities) (often oxidized in patches); 5) quartz oxide (grey quartz that is oxidized along or near fracture plane). Crosscutting relations of veining are often sporadic, with no general relationship rules for vein attitudes, but in general are as follows (from oldest to youngest, youngest being crosscutting everything): 1) 40TCA; 2) 20 TCA; 3) 60 TCA; 4) quartz-chlorite and drusy quartz at various angles.							
						LT	GY	PG	OXI	1I		
						LT	OR	SP				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
358.22	367.59	9.37	GRN	CG	Very dense biotite rich (tighly clusterd) granodiorite(?) that is more coarse grained (developed quartz-feldspar grains) that is enveloped by pegmatitic quartz-monzonite with rusty biotite grains scattered throughout. Band of pegmatitic quartz feldspar marks the end of biotite rich phase and transition into fine grained quartz monzonite. Increased presence of pegmatitic quartz-feldspar within, indicating proximity to coarse grained granodiorite/pegmatite contact? Reduced oxidation and presence of oxide rimmed biotite grains (<1%).							
						LT	OR					
						MD	GY	SP				
						DK	GY					

MY -19-002

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
321.87	324.92	3.05	3.05	100	3.05	100	--	5H	1W	

Meloy - Meloy

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		650135	6819872	1980	242.62

ZONE: Main Ridge

SECTION:

HOLE: MY -19-003

CLAIM: YC65712 - Meloy 8

Contractor: Superior

Drill: 1

Core Size: NQ2

Casing Depth: 5m, In

Drilling Dates: -

Geology Logged By: K. Willms

SURVEY			
Depth (m)	Azimuth	Dip	Method
59.74	132.1	-51	Reflex
242.62	138.9	-50.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	4.3	4.3	OVB
4.3	10	5.7	GRD
10	76.85	66.85	GRD
76.85	108.21	31.36	GRD
108.21	132	23.79	GRD
132	187.59	55.59	GRD
187.59	188.57	0.98	APL
188.57	199.33	10.76	GRD
199.33	209.42	10.09	GRD
209.42	209.58	0.16	APL
209.58	210.69	1.11	GRD
210.69	211.09	0.4	APL
211.09	217.95	6.86	GRD
217.95	218	0.05	APL
218	221	3	GRD
221	225.23	4.23	APL

SAMPLES	
Numbers:	B0050501, B0050502, B0050503, B0050504, B0050505, B0050506, B0050507, B0050508, B0050509 to B0050510, B0050511, B0050512,
Total:	96
Batch:	002, 003, 004
Certificates:	WH19290378, WH19290384, WH19290390

COMMENTS
Drill pad was likely bumped during drill move - azimuth of pad is off in DDH survey

225.23	229.8	4.57	GRD
229.8	230	0.2	APL
230	230.6	0.6	GRD
230.6	230.82	0.22	APL
230.82	235.31	4.49	GRD
235.31	236.06	0.75	GRD
236.06	237.9	1.84	MNZ
237.9	241.94	4.04	GRD
241.94	242.62	0.68	MNZ

Box Log

MY -19-003

Meloy
Main Ridge Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	4.3	11.75
2	11.75	15.94
3	15.94	20.12
4	20.12	24.18
5	24.18	28.5
6	28.5	32.47
7	32.47	36.77
8	36.77	40.77
9	40.77	44.5
10	44.5	48.54
11	48.54	52.75
12	52.75	56.69
13	56.69	60.87
14	60.87	65.16
15	65.16	69.38
16	69.38	73.48
17	73.48	77.82
18	77.82	81.84
19	81.84	85.97
20	85.97	90.22
21	90.22	94.4
22	94.4	98.7
23	98.7	102.83
24	102.83	107.2
25	107.2	111.46
26	111.46	115.75
27	115.75	119.9
28	119.9	124.12
29	124.12	128.33
30	128.33	132.64

Box Number	From (m)	To (m)
40	170.42	174.6
41	174.6	178.94
42	178.94	183.37
43	183.37	187.76
44	187.76	192.13
45	192.13	196.34
46	196.34	200.61
47	200.61	204.98
48	204.98	209.09
49	209.09	213.33
50	213.33	217.67
51	217.67	221.76
52	221.76	226.03
53	226.03	230.2
54	230.2	234.4
55	234.4	238.76
56	238.76	242.62

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	4.30	4.30	OVB	--	No recovery - top of hole							
4.30	10.00	5.70	GRD	VC	Very coarse grainend pervasively oxidized (weakly to moderately) granodiorite that is highly fractured and rubbly. Represents the top of hole. Lower interval represents the contact of pervasive oxidation at top of hole.							
						MD	WH	RB				
						LT	OR	FR	OXI	2I		
10.00	17.39	7.39	GRD	CG	Ultra coarse grained quartz-feldspar-biotite-hornblende granodiorite (biotites and mafic minerals are more fine grained, unlike quartz and feldspar grains). Granodiorite is sporadically oxidized along fracture plans and as a surface stain that does not appear to be pervasive (trace at maximum). Overall the unit is competent, but is disrupted occasionaolly by low angle fractures and constrained, narrow dense fracture zones (typically 10-15 cm). Granodiorite is cut by quartz veining throughout entire interval at a spacing on average of 10cm (and average width of 0.5cm, up to 15cm), and within denser stockwork zones. TCA vein orientations see recurring veinlets at 20, 30, 40 60 TCA. Overall, steeper orientations crosscut lower angle veining. Types of veining seen: 1) grey quartz veinlets and veins, up to 15 cm; 2) quartz-biotite veinlets with bands of biotite typically along outer selveges (usually crosscuts other veining); 3) quartz-chlorite veinlets; 4) milky white drusy quartz veinlets (crosscuts all other viening). Coarse grained granodiorite is fresh (unaltered) throughout vast majority of interval.							
17.39	20.00	2.61	GRD	CG	coarse grained granodiorite with no alteration. Pervasively stained by oxidation that forms halo around veining before abruptly transitoning back to un-oxidized granodiorite. Oxidation is present throughout most of interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
20.00	76.85	56.85	GRD	CG	Ultra coarse grained quartz-feldspar-biotite-hornblende granodiorite (biotites and mafic minerals are more fine grained, unlike quartz and feldspar grains). Granodiorite is sporadically oxidized along fracture plans and as a surface stain that does not appear to be pervasive (trace at maximum). Overall the unit is competent, but is disrupted occasionaolly by low angle fractures and constrained, narrow dense fracture zones (typically 10-15 cm). Granodiorite is cut by quartz veining throughout entire interval at a spacing on average of 10cm (and average width of 0.5cm, up to 15cm), and within denser stockwork zones. TCA vein orientations see recurring veinlets at 20, 30, 40 60 TCA. Overall, steeper orientations crosscut lower angle veining. Types of veining seen: 1) grey quartz veinlets and veins, up to 15 cm; 2) quartz-biotite veinlets with bands of biotite typically along outer selveges (usually crosscuts other veining); 3) quartz-chlorite veinlets; 4) milky white drusy quartz veinlets (crosscuts all other viening). Coarse grained granodiorite is fresh (unaltered) throughout vast majority of interval.							
76.85	83.87	7.02	GRD	CG	Interval of pervasive patchy oxidation that overprints coarse grained granodiorite. Oxidation is present dominatly along fracture planes (deep seeded fractures) and quarzt veining (weak oxidation stain along selveges). Oxidation halos are wavy, undulating and end abruptly before transitioning back to unaltered granodiorite. Trace sulphide mineralization is present locally in veinlets. Quartz veining often associated with biotite and has biotite alteration halos.							
						MD	OR		OXI	1I		
						LT	OR		OXI	2I	Cp	0.1
						DK	OR		OXI	3I		
83.87	90.11	6.24	GRD	CG	Coarse grained granodiorite that is dominantly unoxidized, with only trace oxidatoin occuring in narrow intervals (up to 15cm) locally. Interval does not have as heavy vein density as previous oxidized interval.							
						LT	WH		OXI	1I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR					
90.11	108.21	18.10	GRD	CG	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones.							
						MD	OR		OXI	2I		
						LT	OR		OXI	1I	Cp	0.1
						LT	WH		OXI	3I		
						LT	GY					
108.21	132.00	23.79	GRD	VC	Interval of dominantly weak to moderately pervasively oxidized granodiroite. Fracture plans are typically strongly orange coloured. Oxidation occurs as a pervasive staining likely originating from deeply rooted fracture systems that reach surface. Interval is not as densely veined as ~80m depth, but veining composition remains dominantly grey quartz and quartz biotite. Minor biotite rich xenolithic clasts (~3-5cm on average) are present within. No sulphides observed, but may be obscured by vein density and fine grained sulphide tendency.							
						MD	OR		OXI	2I		
						LT	OR		OXI	1I		
						DK	OR		OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
132.00	137.22	5.22	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones.							
						LT	WH		OXI	1I		
						LT	OR					
						LT	GY		OXI	2I		
137.22	138.00	0.78	GRD	VC	quartz and quartz-biotite veinlet and vein zone (up to 1cm) that is enveloped by strong perasive oxidation hao that overprints granodioritie. Smaller veinlets and stringers are various orientations.							
138.00	140.00	2.00	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
140.00	141.87	1.87	GRD	VC	Granodiorite with intermittent strongly pervasive, strongly oxidized halos and staining that is related to deep seeded fractures in the granodiroite and is associated with veining.							
141.87	149.54	7.67	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
149.54	153.00	3.46	GRD	VC	Weak pervasively oxide stained granodiorite cut by quartz and quartz-biotite veinlets (up to 2cm) that have local oxidation.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
153.00	157.98	4.98	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
157.98	158.23	0.25	DYK	FG	Fine grained, light grey aphanitic dyke itrusion of possibly fine grained quartz-monzonite(?) (younger intrusion?). Contacts are sharp and no alteration is present. Lower margin has weak pervasive oxidation for 1.5m into granodiorite host rock.							
158.23	164.00	5.77	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
164.00	167.86	3.86	GRD	VC	oxidized zone of granodiorite that carries quartz to quartz-biotite stockwork zone of stringers, veinlets and veins.							
167.86	187.59	19.73	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
187.59	188.57	0.98	APL	FG	fine grained, light grey aplite dyke with small white feldspar clasts scattered throughout.							
						LT	GY	AN				
188.57	189.57	1.00	GRD	VC	Very coarse grained granodiorite that is cut by minor porphyritic stockwork veining (see previous log entry for vein descriptions). There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor moly found in centre line in larger veinlets.							
						LT	GY		OXI	1I	Cp	0.1
						LT	WH				mo	0.1
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
189.57	189.60	0.03	DYK	FG	light grey aplite dyke							
						LT	GY					
189.60	199.33	9.73	GRD	VC	Very coarse grained granodiorite that is cut by minor porphyritic stockwork veining (see previous log entry for vein descriptions). There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor moly found in centre line in larger veinlets.							
199.33	209.42	10.09	GRD	VC	Interval of alteranating light green altered (propylitic/chlorite) and orange colorued (deep seated weathering derived from fracture sets), very coarse grained granodiorite. Dense micro fracturing and stringer stockwork zone cuts host rock with larger (>1cm) quartz veins crosscutting narrow stockwork veining (grey quartz veins are late stage veins). Quartz veins host disseminated to blebby Cpy, Pyrrho (?) and minor dissemianted moly and chalcopyrite (up to 15% sulphide in individual veins/veinlets). Biotites throughout granodiorite are shredded and have 'destroyed' texture that appears to be locally replaced by chlorite. Oxidized fractures and microstringers are present throughout zone. Alteration is centred by rich moly/chalco/pyrrho quartz veining and blebs that are spatially associated with chlorite and biotite (25cm wide, from 204.05-204.30m)							
						MD	OR		PRO	3I		
						MD	GY		CHL	2I		
						LT	GN		OXI	2I	Cp	0.5
						LT	OR		PRO	2I	Po	0.2
						DK	GN		OXI	3I	mo	0.2
									CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.42	209.58	0.16	APL	FG	light grey, fine grained aplite dyke cutting coarse granodiorite. Light green alteration along hanging wall contact. Aplite dyke has coarse pegmatitic quartz stringers crosscut by chlorite filled, rehealed fractures that host minor moly.							
						LT	GY		CHL	2I	mo	0.2
209.58	210.69	1.11	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
210.69	211.09	0.40	APL	FG	light grey aplite dyke that has crosscutting mineralized quartz veinlets that host moly, chalcopyrite and sphalerite(?)							
						LT	GY				mo	0.2
											Cp	0.2
											Sp	0.2
211.09	217.95	6.86	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
						LT	OR		PRO	1I		
						LT	GN		CHL	1I	Po	0.2
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	2I		
217.95	218.00	0.05	APL	FG	fine grained aplite dyke							
218.00	221.00	3.00	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
						LT	GN		PRO	1I	mo	0.1
						LT	OR		CHL	1I	Cp	0.2
									OXI	2I	Sp	0.1
221.00	225.23	4.23	APL	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.							
						LT	GY				Cp	0.1
											mo	0.1
225.23	229.80	4.57	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
						LT	OR		CHL	1I	mo	0.2
						LT	GN		PRO	1I	Cp	0.2
									OXI	2I		
229.80	230.00	0.20	APL	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.							
						LT	GY				Cp	0.1
											mo	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
230.00	230.60	0.60	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
						LT	GN		PRO	1I	Cp	0.1
						LT	OR		CHL	1I	mo	0.1
									OXI	1I		
230.60	230.82	0.22	APL	FG	light grey aplite dyke cutting granodiorite. Dyke has rough interfingered contact. Dark grey to black dendritic textures and microfractures are present throughout dyke (Mn stain?). Microfracture and veining cuts dyke and granodiorite at 90TCA, hosting fine sulphides. Quartz, chlorite, biotite stringers are present. Orange oxidation is present along lower contact that pervasively bleeds into granodiorite.							
						LT	GY		OXI	1I	Py	0.1
						LT	OR					
230.82	235.31	4.49	GRD	VC	light green coloured, weakly (pervasive) chlorite/propylitic altered granodiorite with alternating zones of pervasive oxidation that is associated with fracture sets. Oxidation occurs as a halo or as fracture infill around fractures and veining. High concentration of quartz to quartz-biotite veining. Biotites in granodiorite are sporadically replaced by pyrrhotite/pyrite and rare chalcopyrite. Veining is typically 50 TCA.							
						LT	GN	SW	PRO	1I	Po	0.2
						LT	OR	FR	CHL	1I	Py	0.2
									OXI	1I		
									OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
235.31	236.06	0.75	GRD	--	Interval of intensely siliceous and quartz flooded granodiorite that has removed all primary textures. Flooding found along transition between coarse grained granodiorite and light grey quartz monzonite dyke (FW). Quartz zone has a very grainy texture from replacement of previous minerals. Minor sharp bladed biotite and thin chlorite stringers are present.							
						LT	GY		SIL	4I		
									SIL	5I		
236.06	237.90	1.84	MNZ	FG	fine grained quartz monzonite dyke with fine bladed biotite that is densely clustered at the top of the interval and gradually decreases in density with depth. Quartz monzonite is littered with fine pegmatitic zones, and is bound along upper and lower contact by large, ultra coarse pegmatitic quartz feldspar.							
						MD	GY					
						DK	GY					
237.90	241.94	4.04	GRD	VC	pale white to orange altered granodiorite that is cut by multiple sets of quartz veining (overall same as previous composition descriptions). Veins: 1) quartz-biotite stringers (50-60TCA); 2) grey quartz (80TCA); 3) quartz-carbonate (40-50TCA); 4) biotite-chlorite (30-40TCA). Granodiorite is strongly and pervasively stained orange due to oxidation, but mineral composition remains unchanged (no actual mineral alteration).							
						MD	OR		OXI	3I		
						MD	GY					
						LT	OR	SW	OXI	2I		
241.94	242.62	0.68	MNZ	FG	medium to dark grey, biotite rich quartz monzonite phase							

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
0.00	4.30	4.30	OVB	ovb	--	No recovery - top of hole
4.30	10.00	5.70	GRD	granodi	VC	Very coarse grainend pervasively oxidized (weakly to moderately) granodiorite that is highly fractured and rubbly. Represents the top of hole. Lower interval represents the contact of pervasive oxidation at top of hole.
10.00	17.39	7.39	GRD	granodi	CG	Ultra coarse grained quartz-feldspar-biotite-hornblende granodiorite (biotites and mafic minerals are more fine grained, unlike quartz and feldspar grains). Granodiorite is sporadically oxidized along fracture plans and as a surface stain that does not appear to be pervasive (trace at maximum). Overall the unit is competent, but is disrupted occasionaolly by low angle fractures and constrained, narrow dense fracture zones (typically 10-15 cm). Granodiorite is cut by quartz veining throughout entire interval at a spacing on average of 10cm (and average width of 0.5cm, up to 15cm), and within denser stockwork zones. TCA vein orientations see recurring veinlets at 20, 30, 40 60 TCA. Overall, steeper orientations crosscut lower angle veining. Types of veining seen: 1) grey quartz veinlets and veins, up to 15 cm; 2) quartz-biotite veinlets with bands of biotite typically along outer selveges (usually crosscuts other veining); 3) quartz-chlorite veinlets; 4) milky white drusy quartz veinlets (crosscuts all other viening). Coarse grained granodiorite is fresh (unaltered) throughout vast majority of interval.
17.39	20.00	2.61	GRD	granodi	CG	coarse grained granodiorite with no alteration. Pervasively stained by oxidation that forms halo around veining before abruptly transitoning back to un-oxidized granodiorite. Oxidation is present throughout most of interval.
20.00	76.85	56.85	GRD	granodi	CG	Ultra coarse grained quartz-feldspar-biotite-hornblende granodiorite (biotites and mafic minerals are more fine grained, unlike quartz and feldspar grains). Granodiorite is sporadically oxidized along fracture plans and as a surface stain that does not appear to be pervasive (trace at maximum). Overall the unit is competent, but is disrupted occasionaolly by low angle fractures and constrained, narrow dense fracture zones (typically 10-15 cm). Granodiorite is cut by quartz veining throughout entire interval at a spacing on average of 10cm (and average width of 0.5cm, up to 15cm), and within denser stockwork zones. TCA vein orientations see recurring veinlets at 20, 30, 40 60 TCA. Overall, steeper orientations crosscut lower angle veining. Types of veining seen: 1) grey quartz veinlets and veins, up to 15 cm; 2) quartz-biotite veinlets with bands of biotite typically along outer selveges (usually crosscuts other veining); 3) quartz-chlorite veinlets; 4) milky white drusy quartz veinlets (crosscuts all other viening). Coarse grained granodiorite is fresh (unaltered) throughout vast majority of interval.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
76.85	83.87	7.02	GRD	granodi	CG	Interval of pervasive patchy oxidation that overprints coarse grained granodiorite. Oxidation is present dominatly along fracture planes (deep seeded fractures) and quarzt veining (weak oxidation stain along selveges). Oxidation halos are wavy, undulating and end abruptly before transitioning back to unaltered granodiorite. Trace sulphide mineralization is present locally in veinlets. Quartz veining often associated with biotite and has biotite alteration halos.
83.87	90.11	6.24	GRD	granodi	CG	Coarse grained granodiorite that is dominantly unoxidized, with only trace oxidatoin occuring in narrow intervals (up to 15cm) locally. Interval does not have as heavy vein density as previous oxidized interval.
90.11	108.21	18.10	GRD	granodi	CG	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones.
108.21	132.00	23.79	GRD	granodi	VC	Interval of dominantly weak to moderately pervasively oxidized granodiroite. Fracture plans are typically strongly orange coloured. Oxidation occurs as a pervasive staining likely originating from deeply rooted fracture systems that reach surface. Interval is not as densely veined as ~80m depth, but veining composition remains dominantly grey quartz and quartz biotite. Minor biotite rich xenolithic clasts (~3-5cm on average) are present within. No sulphides observed, but may be obscured by vein density and fine grained sulphide tendency.
132.00	137.22	5.22	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones.
137.22	138.00	0.78	GRD	granodi	VC	quartz and quartz-biotite veinlet and vein zone (up to 1cm) that is enveloped by strong perasive oxidation hao that overprints granodioritie. Smaller veinlets and stringers are various orientations.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
138.00	140.00	2.00	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
140.00	141.87	1.87	GRD	granodi	VC	Granodiorite with intermittent strongly pervasive, strongly oxidized halos and staining that is related to deep seeded fractures in the granodiroite and is associated with veining.
141.87	149.54	7.67	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
149.54	153.00	3.46	GRD	granodi	VC	Weak pervasively oxide stained granodiorite cut by quartz and quartz-biotite veinlets (up to 2cm) that have local oxidation.
153.00	157.98	4.98	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
157.98	158.23	0.25	DYK	granodi	FG	Fine grained, light grey aphanitic dyke itrusion of possibly fine grained quartz-monzonite(?) (younger intrusion?). Contacts are sharp and no alteration is present. Lower margin has weak pervasive oxidation for 1.5m into granodiorite host rock.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
158.23	164.00	5.77	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
164.00	167.86	3.86	GRD	granodi	VC	oxidized zone of granodiorite that carries quartz to quartz-biotite stockwork zone of stringers, veinlets and veins.
167.86	187.59	19.73	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
187.59	188.57	0.98	APL	dyke	FG	fine grained, light grey aplite dyke with small white feldspar clasts scattered throughout.
188.57	189.57	1.00	GRD	granite	VC	Very coarse grained granodiorite that is cut by minor porphyritic stockwork veining (see previous log entry for vein descriptions). There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor moly found in centre line in larger veinlets.
189.57	189.60	0.03	DYK	granite	FG	light grey aplite dyke
189.60	199.33	9.73	GRD	granite	VC	Very coarse grained granodiorite that is cut by minor porphyritic stockwork veining (see previous log entry for vein descriptions). There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor moly found in centre line in larger veinlets.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
199.33	209.42	10.09	GRD	granodi	VC	Interval of alteranating light green altered (propylitic/chlorite) and orange colorued (deep seated weathering derived from fracture sets), very coarse grained granodiorite. Dense micro fracturing and stringer stockwork zone cuts host rock with larger (>1cm) quartz veins crosscutting narrow stockwork veining (grey quartz veins are late stage veins). Quartz veins host disseminated to blebby Cpy, Pyrrho (?) and minor dissemianted moly and chalcopyrite (up to 15% sulphide in individual veins/veinlets). Biotites throughout granodiorite are shredded and have 'destroyed' texture that appears to be locally replaced by chlorite. Oxidized fractures and microstringers are present throughout zone. Alteration is centred by rich moly/chalco/pyrrho quartz veining and blebs that are spatially associated with chlorite and biotite (25cm wide, from 204.05-204.30m)
209.42	209.58	0.16	APL	dyke	FG	light grey, fine grained aplite dyke cutting coarse granodiorite. Light green alteration along hanging wall contact. Aplite dyke has coarse pegmatitic quartz stringers crosscut by chlorite filled, rehealed fractures that host minor moly.
209.58	210.69	1.11	GRD	granodi	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.
210.69	211.09	0.40	APL	dyke	FG	light grey aplite dyke that has crosscutting mineralized quartz veinlets that host moly, chalcopyrite and sphalerite(?)
211.09	217.95	6.86	GRD	granodi	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.
217.95	218.00	0.05	APL	dyke	FG	fine grained aplite dyke
218.00	221.00	3.00	GRD	granodi	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.
221.00	225.23	4.23	APL	dyke	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.

From (m)	To (m)	Interval (m)	Rock Type	Unit Type	Grain Size	Description
225.23	229.80	4.57	GRD	granodi	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.
229.80	230.00	0.20	APL	dyke	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.
230.00	230.60	0.60	GRD	granodi	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.
230.60	230.82	0.22	APL	dyke	FG	light grey aplite dyke cutting granodiorite. Dyke has rough interfingered contact. Dark grey to black dendritic textures and microfractures are present throughout dyke (Mn stain?). Microfracture and veining cuts dyke and granodiorite at 90TCA, hosting fine sulphides. Quartz, chlorite, biotite stringers are present. Orange oxidation is present along lower contact that pervasively bleeds into granodiorite.
230.82	235.31	4.49	GRD	granodi	VC	light green coloured, weakly (pervasive) chlorite/propylitic altered granodiorite with alternating zones of pervasive oxidation that is associated with fracture sets. Oxidation occurs as a halo or as fracture infill around fractures and veining. High concentration of quartz to quartz-biotite veining. Biotites in granodiorite are sporadically replaced by pyrrhotite/pyrite and rare chalcopyrite. Veining is typically 50 TCA.
235.31	236.06	0.75	GRD	granodi	--	Interval of intensely siliceous and quartz flooded granodiorite that has removed all primary textures. Flooding found along transition between coarse grained granodiorite and light grey quartz monzonite dyke (FW). Quartz zone has a very grainy texture from replacement of previous minerals. Minor sharp bladed biotite and thin chlorite stringers are present.
236.06	237.90	1.84	MNZ	dyke	FG	fine grained quartz monzonite dyke with fine bladed biotite that is densely clustered at the top of the interval and gradually decreases in density with depth. Quartz monzonite is littered with fine pegmatitic zones, and is bound along upper and lower contact by large, ultra coarse pegmatitic quartz feldspar.
237.90	241.94	4.04	GRD	granodi	VC	pale white to orange altered granodiorite that is cut by multiple sets of quartz veining (overall same as previous composition descriptions). Veins: 1) quartz-biotite stringers (50-60TCA); 2) grey quartz (80TCA); 3) quartz-carbonate (40-50TCA); 4) biotite-chlorite (30-40TCA). Granodiorite is strongly and pervasively stained orange due to oxidation, but mineral composition remains unchanged (no actual mineral alteration).
241.94	242.62	0.68	MNZ	dyke	FG	medium to dark grey, biotite rich quartz monzonite phase

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	4.30	4.30	OVB	--	No recovery - top of hole							
4.30	10.00	5.70	GRD	VC	Very coarse grainend pervasively oxidized (weakly to moderately) granodiorite that is highly fractured and rubbly. Represents the top of hole. Lower interval represents the contact of pervasive oxidation at top of hole.							
						LT	OR	FR	OXI	2I		
						MD	WH	RB				
10.00	76.85	66.85	GRD	VC	Ultra coarse grained quartz-feldspar-biotite-hornblende granodiorite (biotites and mafic minerals are more fine grained, unlike quartz and feldspar grains). Granodiorite is sporadically oxidized along fracture plans and as a surface stain that does not appear to be pervasive (trace at maximum). Overall the unit is competent, but is disrupted occasionaolly by low angle fractures and constrained, narrow dense fracture zones (typically 10-15 cm). Granodiorite is cut by quartz veining throughout entire interval at a spacing on average of 10cm (and average width of 0.5cm, up to 15cm), and within denser stockwork zones. TCA vein orientations see recurring veinlets at 20, 30, 40 60 TCA. Overall, steeper orientations crosscut lower angle veining. Types of veining seen: 1) grey quartz veinlets and veins, up to 15 cm; 2) quartz-biotite veinlets with bands of biotite typically along outer selveges (usually crosscuts other veining); 3) quartz-chlorite veinlets; 4) milky white drusy quartz veinlets (crosscuts all other viening). Coarse grained granodiorite is fresh (unaltered) throughout vast majority of interval.							
						MD	WH	PO	OXI	1I		
						LT	GY	MA	OXI	2I		
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
76.85	108.21	31.36	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones.							
						MD	OR		OXI	3I		
						LT	OR					
						LT	GY		OXI	2I		
						LT	WH		OXI	1I	Cp	0.1
108.21	132.00	23.79	GRD	VC	Interval of dominantly moderate to strongly pervasively oxidized granodiroite. Fracture plans are typically strongly orange coloured. Oxidation occurs as a pervasive staining likely originating from deeply rooted fracture systems that reach surface. Interval is not as densely veined as ~80m depth, but veining composition remains dominantly grey quartz and quartz biotite. Minor biotite rich xenolithic clasts (~3-5cm on average) are present within. No sulphides observed, but may be obscured by vein density and fine grained sulphide tendency.							
						DK	OR		OXI	3I		
						LT	OR		OXI	1I		
						MD	OR		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
132.00	187.59	55.59	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
						LT	OR					
						LT	GY		OXI	2I	mo	0.1
						LT	WH		OXI	1I	Cp	0.1
187.59	188.57	0.98	APL	FG	fine grained, light grey aplite dyke with small white feldspar clasts scattered throughout.							
						LT	GY	AN				
188.57	199.33	10.76	GRD	VC	Very coarse grained granodiorite that is cut by minor porphyritic stockwork veining (see previous log entry for vein descriptions). There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor moly found in centre line in larger veinlets.							
						LT	GY		OXI	1I	Cp	0.1
						LT	WH				mo	0.1
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
199.33	209.42	10.09	GRD	VC	Interval of alteranating light green altered (propylitic/chlorite) and orange colorued (deep seated weathering derived from fracture sets), very coarse grained granodiorite. Dense micro fracturing and stringer stockwork zone cuts host rock with larger (>1cm) quartz veins crosscutting narrow stockwork veining (grey quartz veins are late stage veins). Quartz veins host disseminated to blebby Cpy, Pyrrho (?) and minor dissemianted moly and chalcopyrite (up to 15% sulphide in individual veins/veinlets). Biotites throughout granodiorite are shredded and have 'destroyed' texture that appears to be locally replaced by chlorite. Oxidized fractures and microstringers are present throughout zone. Alteration is centred by rich moly/chalco/pyrrho quartz veining and blebs that are spatially associated with chlorite and biotite (25cm wide, from 204.05-204.30m)							
						LT	OR		PRO	2I	Po	0.2
						LT	GN		OXI	2I	Cp	0.5
						MD	OR		PRO	3I		
						MD	GY		CHL	2I		
									CHL	3I		
						DK	GN		OXI	3I	mo	0.2
209.42	209.58	0.16	APL	FG	light grey, fine grained aplite dyke cutting coarse granodiorite. Light green alteration along hanging wall contact. Aplite dyke has coarse pegmatitic quartz stringers crosscut by chlorite filled, rehealed fractures that host minor moly and possibly sphalerite(?)							
											Sp	0.2
						LT	GY		CHL	2I	mo	0.2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.58	210.69	1.11	GRD	VC	Very coarse grained granodiorite that is cut throughout by porphyritic stockwork veining (see previous log entry for vein descriptions). Interval comprised of alternating zones of unaltered (white to grey coloured) and pervasively orange stained, oxidized granodiorite that is associated or driven by hairline fractures and quartz veining. There is no distinct association between structure/veining in rusty pervasively oxidized granodiorite and unaltered granodiorite (same apparent structure, veining). Biotite and quartz-biotite veining dominates vein genesis, with wider grey quartz veins throughout that are typically barren but still make up a component of the stockwork veining matrix. Trace (<0.1%) chalcopyrite grains are present in association with some stockwork zones. Minor sections of fine grained dyke are present. Minor moly found in centre line in larger veinlets.							
						MD	GY					
						LT	WH					
210.69	211.09	0.40	APL	FG	light grey aplite dyke that has crosscutting mineralized quartz veinlets that host moly, chalcopyrite and sphalerite(?)							
						LT	GY				mo	0.2
											Sp	0.2
											Cp	0.2
211.09	217.95	6.86	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
									OXI	1I		
						LT	OR		PRO	1I		
									OXI	2I		
						LT	GN		CHL	1I	Po	0.2
217.95	218.00	0.05	APL	FG	fine grained aplite dyke							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
218.00	221.00	3.00	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
									OXI	2I	Sp	0.1
						LT	GN		PRO	1I	mo	0.1
						LT	OR		CHL	1I	Cp	0.2
221.00	225.23	4.23	APL	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.							
											mo	0.1
						LT	GY				Cp	0.1
225.23	229.80	4.57	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							
						LT	GN		PRO	1I	Cp	0.2
						LT	OR		CHL	1I	mo	0.2
									OXI	2I		
229.80	230.00	0.20	APL	FG	light grey aplite dyke with quartz veinlets crosscutting. Trace moly and chalcopyrite present disseminated throughout veinlets and stringers.							
						LT	GY				Cp	0.1
											mo	0.1
230.00	230.60	0.60	GRD	VC	light green chlorite/propylitic altered (trace) granodiorite. Biotites in the area are fine grained and have a more speckled texture than previous intervals. Biotite is replaced by pyrrhotite locally (disseminated, found as a core within biotite grain). Chlorite/biotite veinlets and quartz veinlets are present. Granodiorite has patchy weak to moderately oxidized patches sporadically within, up to 7cm wide.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR		CHL	1I	mo	0.1
									OXI	1I		
						LT	GN		PRO	1I	Cp	0.1
230.60	230.82	0.22	APL	FG	light grey aplite dyke cutting granodiorite. Dyke has rough interfingered contact. Dark grey to black dendritic textures and microfractures are present throughout dyke (Mn stain?). Microfracture and veining cuts dyke and granodiorite at 90TCA, hosting fine sulphides. Quartz, chlorite, biotite stringers are present. Orange oxidation is present along lower contact that pervasively bleeds into granodiorite.							
						LT	OR					
						LT	GY		OXI	1I	Py	0.1
230.82	235.31	4.49	GRD	VC	light green coloured, weakly (pervasive) chlorite/propylitic altered granodiorite with alternating zones of pervasive oxidation that is associated with fracture sets. Oxidation occurs as a halo or as fracture infill around fractures and veining. High concentration of quartz to quartz-biotite veining. Biotites in granodiorite are sporadically replaced by pyrrhotite/pyrite and rare chalcopyrite. Veining is typically 50 TCA.							
									OXI	1I		
						LT	OR	FR	CHL	1I	Py	0.2
									OXI	2I		
						LT	GN	SW	PRO	1I	Po	0.2
235.31	236.06	0.75	GRD	--	Interval of intensely siliceous and quartz flooded granodiorite that has removed all primary textures. Flooding found along transition between coarse grained granodiorite and light grey quartz monzonite dyke (FW). Quartz zone has a very grainy texture from replacement of previous minerals. Minor sharp bladed biotite and thin chlorite stringers are present.							
						LT	GY		SIL	4I		
									SIL	5I		
236.06	237.90	1.84	MNZ	FG	fine grained quartz monzonite dyke with fine bladed biotite that is densely clustered at the top of the interval and gradually decreases in density with depth. Quartz monzonite is littered with fine pegmatitic zones, and is bound along upper and lower contact by large, ultra coarse pegmatitic quartz feldspar.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY					
237.90	241.94	4.04	GRD	VC	pale white to orange altered granodiorite that is cut by multiple sets of quartz veining (overall same as previous composition descriptions). Veins: 1) quartz-biotite stringers (50-60TCA); 2) grey quartz (80TCA); 3) quartz-carbonate (40-50TCA); 4) biotite-chlorite (30-40TCA). Granodiorite is strongly and pervasively stained orange due to oxidation, but mineral composition remains unchanged (no actual mineral alteration).							
						MD	GY					
						LT	OR	SW	OXI	2I		
						MD	OR		OXI	3I		
241.94	242.62	0.68	MNZ	FG	medium to dark grey, biotite rich quartz monzonite phase							

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From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.30	4.30	0	0	0.00	0	--	--	--	No recovery
4.30	4.88	0.58	0.58	100	0.00	0	0R	3H	5W	
4.88	7.92	3.04	1.9	63	0.10	3	0R	3H	4W	
7.92	10.97	3.05	2.9	95	0.10	3	0R	3H	4W	
10.97	14.02	3.05	3.05	100	2.50	82	0R	5H	3W	
14.02	17.07	3.05	3.05	100	2.70	89	0R	5H	2W	
17.07	20.12	3.05	3.05	100	2.70	89	0R	5H	2W	
20.12	23.16	3.04	3.04	100	2.90	95	0R	5H	2W	
23.16	26.21	3.05	3.05	100	2.90	95	0R	5H	2W	
26.21	29.26	3.05	3.05	100	2.95	97	0R	5H	2W	
29.26	32.31	3.05	3.05	100	3.00	98	0R	5H	2W	
32.31	35.36	3.05	3.05	100	3.05	100	0R	5H	2W	
35.36	38.40	3.04	3.04	100	3.04	100	0R	5H	2W	
38.40	41.45	3.05	3.05	100	2.80	92	0R	5H	2W	
41.45	44.50	3.05	3.05	100	3.05	100	0R	5H	2W	
44.50	47.55	3.05	3.05	100	3.00	98	0R	5H	2W	
47.55	50.60	3.05	3.05	100	3.05	100	0R	5H	2W	
50.60	53.64	3.04	3.04	100	3.04	100	0R	5H	2W	
53.64	56.69	3.05	3.05	100	3.05	100	0R	5H	2W	
56.69	59.74	3.05	3.05	100	3.00	98	0R	5H	2W	
59.74	62.79	3.05	3.05	100	3.05	100	0R	5H	2W	
62.79	65.84	3.05	3.05	100	3.05	100	0R	5H	2W	
65.84	68.88	3.04	3.04	100	3.04	100	0R	5H	2W	
68.88	71.93	3.05	3.05	100	3.05	100	0R	5H	2W	
71.93	74.98	3.05	3.05	100	3.05	100	0R	5H	2W	
74.98	78.03	3.05	3.05	100	3.05	100	0R	5H	2W	
78.03	81.08	3.05	3.05	100	2.65	87	0R	5H	2W	
81.08	84.12	3.04	3.04	100	2.90	95	0R	5H	2W	
84.12	87.17	3.05	3.05	100	3.05	100	0R	5H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.17	90.22	3.05	3.05	100	3.05	100	0R	5H	2W	
90.22	93.27	3.05	3.05	100	3.05	100	0R	5H	2W	
93.27	96.32	3.05	3.05	100	3.05	100	0R	5H	2W	
96.32	99.36	3.04	3.04	100	3.04	100	0R	5H	2W	
99.36	102.41	3.05	3.05	100	3.05	100	0R	5H	2W	
102.41	105.46	3.05	3.05	100	3.05	100	0R	5H	2W	
105.46	108.51	3.05	3.05	100	3.05	100	0R	5H	2W	
108.51	111.56	3.05	3.05	100	3.05	100	0R	5H	2W	
111.56	114.60	3.04	3.04	100	3.04	100	0R	5H	2W	
114.60	117.65	3.05	3.05	100	3.05	100	0R	5H	2W	
117.65	120.70	3.05	3.05	100	3.05	100	0R	5H	2W	
120.70	123.75	3.05	3.05	100	3.05	100	0R	5H	2W	
123.75	126.80	3.05	3.05	100	2.40	79	0R	5H	2W	
126.80	129.84	3.04	3.04	100	3.04	100	0R	5H	2W	
129.84	132.89	3.05	3.05	100	3.05	100	0R	5H	2W	
132.89	135.94	3.05	3.05	100	3.05	100	0R	5H	2W	
135.94	138.99	3.05	3.05	100	3.05	100	0R	5H	2W	
138.99	142.04	3.05	3.05	100	2.85	93	0R	5H	2W	
142.04	145.08	3.04	3.04	100	3.04	100	0R	5H	2W	
145.08	148.13	3.05	3.05	100	3.05	100	0R	5H	2W	
148.13	151.18	3.05	3.05	100	2.90	95	0R	5H	2W	
151.18	154.23	3.05	3.05	100	3.05	100	0R	5H	2W	
154.23	157.28	3.05	3.05	100	3.05	100	0R	5H	2W	
157.28	160.32	3.04	3.04	100	3.04	100	0R	5H	2W	
160.32	163.37	3.05	3.05	100	2.90	95	0R	5H	2W	
163.37	166.42	3.05	3.05	100	2.50	82	0R	5H	2W	
166.42	169.47	3.05	3.05	100	3.05	100	0R	5H	2W	
169.47	172.52	3.05	3.05	100	3.05	100	0R	5H	2W	
172.52	175.56	3.04	3.04	100	3.04	100	0R	5H	2W	
175.56	178.61	3.05	3.05	100	3.05	100	0R	5H	2W	
178.61	181.66	3.05	3.05	100	3.05	100	0R	5H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.66	184.71	3.05	3.05	100	3.05	100	0R	5H	2W	
184.71	187.76	3.05	3.05	100	3.05	100	0R	5H	2W	
187.76	190.80	3.04	3.04	100	3.04	100	0R	5H	2W	
190.80	193.85	3.05	3.05	100	3.05	100	0R	5H	3W	
193.85	196.90	3.05	3.05	100	3.05	100	0R	5H	2W	
196.90	199.95	3.05	3.05	100	3.05	100	0R	5H	3W	
199.95	203.00	3.05	2.85	93	2.85	93	0R	5H	3W	
203.00	206.04	3.04	3.04	100	3.04	100	0R	5H	3W	
206.04	209.09	3.05	3.05	100	3.05	100	0R	5H	2W	
209.09	212.14	3.05	3.05	100	3.05	100	0R	5H	2W	
212.14	215.19	3.05	3.05	100	3.05	100	0R	5H	2W	
215.19	218.24	3.05	3.05	100	3.05	100	0R	5H	3W	
218.24	221.28	3.04	3.04	100	3.04	100	0R	5H	3W	
221.28	224.33	3.05	3.05	100	3.05	100	0R	5H	2W	
224.33	227.38	3.05	3.05	100	3.05	100	0R	5H	2W	
227.38	230.43	3.05	3.05	100	3.05	100	0R	5H	2W	
230.43	233.48	3.05	3.05	100	3.05	100	0R	5H	2W	
233.48	236.52	3.04	3.04	100	3.04	100	0R	5H	2W	
236.52	239.57	3.05	3.05	100	3.05	100	0R	5H	2W	
239.57	242.62	3.05	3.05	100	3.05	100	0R	5H	2W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	B0050524	☐	MY19-002	Low grade	ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050529	☐	MY19-002	Low grade	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050548	☐	MY19-003	low grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050555	☐	MY19-003	low grade	ML-2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050574	☐	MY19-003	low grade	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050586	☐	MY19-004	low grade		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	B0050508	☐	MY19-002	Low grade		☑	☐	☐
4.30	7.92	3.62	GRD, OVB	2.48	69	B0050501	☐	MY19-002	Low grade		☐	☐	☐
7.92	10.97	3.05	GRD	2.90	95	B0050502	☐	MY19-002	Low grade		☐	☐	☐
10.97	14.02	3.05	GRD	3.05	100	B0050503	☐	MY19-002	Low grade		☐	☐	☐
14.02	17.07	3.05	GRD	3.05	100	B0050504	☐	MY19-002	Low grade		☐	☐	☐
17.07	20.12	3.05	GRD	3.05	100	B0050505	☐	MY19-002	Low grade		☐	☐	☐
20.12	23.16	3.04	GRD	3.04	100	B0050506	☐	MY19-002	Low grade		☐	☐	☐
23.16	26.21	3.05	GRD	3.05	100	B0050507	☐	MY19-002	Low grade		☐	☐	☐
26.21	29.26	3.05	GRD	3.05	100	B0050509	☐	MY19-002	Low grade		☐	☐	☐
29.26	32.31	3.05	GRD	3.05	100	B0050510	☐	MY19-002	Low grade		☐	☐	☐
32.31	35.36	3.05	GRD	3.05	100	B0050511	☐	MY19-002	Low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
35.36	38.40	3.04	GRD	3.04	100	B0050512	☐	MY19-002	Low grade		☐	☐	☐
38.40	41.45	3.05	GRD	3.05	100	B0050513	☐	MY19-002	Low grade		☐	☐	☐
41.45	44.50	3.05	GRD	3.05	100	B0050514	☐	MY19-002	Low grade		☐	☐	☐
44.50	47.55	3.05	GRD	3.05	100	B0050515	☐	MY19-002	Low grade		☐	☐	☐
44.50	47.55	3.05	GRD	3.05	100	B0050516	☐	MY19-002	Low grade		☐	☑	☐
47.55	50.60	3.05	GRD	3.05	100	B0050517	☐	MY19-002	Low grade		☐	☐	☐
50.60	53.64	3.04	GRD	3.04	100	B0050518	☐	MY19-002	Low grade		☐	☐	☐
53.64	56.69	3.05	GRD	3.05	100	B0050519	☐	MY19-002	Low grade		☐	☐	☐
56.69	59.74	3.05	GRD	3.05	100	B0050520	☐	MY19-002	Low grade		☐	☐	☐
59.74	62.79	3.05	GRD	3.05	100	B0050521	☐	MY19-002	Low grade		☐	☐	☐
62.79	65.84	3.05	GRD	3.05	100	B0050522	☐	MY19-002	Low grade		☐	☐	☐
65.84	68.88	3.04	GRD	3.04	100	B0050523	☐	MY19-002	Low grade		☐	☐	☐
68.88	71.93	3.05	GRD	3.05	100	B0050525	☐	MY19-002	Low grade		☐	☐	☐
71.93	74.98	3.05	GRD	3.05	100	B0050526	☐	MY19-002	Low grade		☐	☐	☐
74.98	78.03	3.05	GRD	3.05	100	B0050527	☐	MY19-002	Low grade		☐	☐	☐
78.03	81.08	3.05	GRD	3.05	100	B0050528	☐	MY19-002	Low grade		☐	☐	☐
81.08	84.12	3.04	GRD	3.04	100	B0050530	☐	MY19-002	Low grade		☐	☐	☐
84.12	87.17	3.05	GRD	3.05	100	B0050531	☐	MY19-002	Low grade		☐	☐	☐
87.17	90.22	3.05	GRD	3.05	100	B0050532	☐	MY19-002	Low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
90.22	93.27	3.05	GRD	3.05	100	B0050533	☐	MY19-002	Low grade		☐	☐	☐
93.27	96.32	3.05	GRD	3.05	100	B0050534	☐	MY19-002	Low grade		☐	☐	☐
96.32	99.36	3.04	GRD	3.04	100	B0050535	☐	MY19-002	Low grade		☐	☐	☐
96.32	99.36	3.04	GRD	3.04	100	B0050536	☐	MY19-002	Low grade		☐	☐	☑
99.36	102.41	3.05	GRD	3.05	100	B0050537	☐	MY19-002	Low grade		☐	☐	☐
102.41	105.46	3.05	GRD	3.05	100	B0050538	☐	MY19-002	Low grade		☐	☐	☐
105.46	108.51	3.05	GRD	3.05	100	B0050539	☐	MY19-002	Low grade		☐	☐	☐
108.51	111.56	3.05	GRD	3.05	100	B0050540	☐	MY19-002	Low grade		☐	☐	☐
111.56	114.60	3.04	GRD	3.04	100	B0050541	☐	MY19-003	low grade		☐	☐	☐
114.60	117.65	3.05	GRD	3.05	100	B0050542	☐	MY19-003	low grade		☐	☐	☐
117.65	120.70	3.05	GRD	3.05	100	B0050543	☐	MY19-003	low grade		☐	☐	☐
120.70	123.75	3.05	GRD	3.05	100	B0050544	☐	MY19-003	low grade		☐	☐	☐
123.75	126.80	3.05	GRD	3.05	100	B0050545	☐	MY19-003	low grade		☐	☐	☐
126.80	129.84	3.04	GRD	3.04	100	B0050546	☐	MY19-003	low grade		☐	☐	☐
129.84	132.89	3.05	GRD	3.05	100	B0050547	☐	MY19-003	low grade		☐	☐	☐
132.89	135.94	3.05	GRD	3.05	100	B0050549	☐	MY19-003	low grade		☐	☐	☐
135.94	138.99	3.05	GRD	3.05	100	B0050550	☐	MY19-003	low grade		☐	☐	☐
138.99	142.04	3.05	GRD	3.05	100	B0050551	☐	MY19-003	low grade		☐	☐	☐
142.04	145.08	3.04	GRD	3.04	100	B0050552	☐	MY19-003	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
145.08	148.13	3.05	GRD	3.05	100	B0050553	☐	MY19-003	low grade		☐	☐	☐
148.13	151.18	3.05	GRD	3.05	100	B0050554	☐	MY19-003	low grade		☐	☐	☐
151.18	154.23	3.05	GRD	3.05	100	B0050556	☐	MY19-003	low grade		☐	☐	☐
154.23	157.28	3.05	GRD	3.05	100	B0050557	☐	MY19-003	low grade		☐	☐	☐
157.28	160.32	3.04	GRD	3.04	100	B0050558	☐	MY19-003	low grade		☐	☐	☐
160.32	163.22	2.90	GRD	2.90	100	B0050559	☐	MY19-003	low grade		☐	☐	☐
163.22	166.42	3.20	GRD	3.20	100	B0050560	☐	MY19-003	low grade		☐	☐	☐
166.42	168.10	1.68	GRD	1.68	100	B0050567	☐	MY19-003	low grade		☐	☐	☐
168.10	169.47	1.37	GRD	1.37	100	B0050561	☐	MY19-003	low grade		☐	☐	☐
169.47	172.52	3.05	GRD	3.05	100	B0050562	☐	MY19-003	low grade		☐	☐	☐
172.52	175.56	3.04	GRD	3.04	100	B0050563	☐	MY19-003	low grade		☐	☐	☐
172.52	175.56	3.04	GRD	3.04	100	B0050564	☐	MY19-003	low grade		☐	☐	☑
175.56	178.61	3.05	GRD	3.05	100	B0050565	☐	MY19-003	low grade		☐	☐	☐
178.61	181.66	3.05	GRD	3.05	100	B0050566	☐	MY19-003	low grade		☐	☐	☐
181.66	184.71	3.05	GRD	3.05	100	B0050568	☐	MY19-003	low grade		☐	☐	☐
184.71	187.60	2.89	GRD	1.89	65	B0050569	☐	MY19-003	low grade		☐	☐	☐
187.60	188.57	0.97	APL	0.97	100	B0050570	☐	MY19-003	low grade		☐	☐	☐
187.60	188.57	0.97	APL	0.97	100	B0050571	☐	MY19-003	low grade		☐	☑	☐
188.57	190.80	2.23	APL, GRD	1.43	64	B0050572	☐	MY19-003	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
190.80	193.85	3.05	GRD	3.05	100	B0050573	☐	MY19-003	low grade		☐	☐	☐
193.85	196.90	3.05	GRD	3.05	100	B0050575	☐	MY19-003	low grade		☐	☐	☐
196.90	199.95	3.05	GRD	3.05	100	B0050576	☐	MY19-003	low grade		☐	☐	☐
199.95	203.00	3.05	GRD	2.85	93	B0050577	☐	MY19-003	low grade		☐	☐	☐
203.00	204.67	1.67	GRD	1.67	100	B0050578	☐	MY19-003	low grade		☐	☐	☐
204.67	206.04	1.37	GRD	1.37	100	B0050579	☐	MY19-003	low grade		☐	☐	☐
206.04	208.68	2.64	GRD	2.64	100	B0050580	☐	MY19-003	low grade		☐	☐	☐
208.68	212.14	3.46	GRD	3.46	100	B0050581	☐	MY19-004	low grade		☐	☐	☐
212.14	215.19	3.05	GRD	3.05	100	B0050582	☐	MY19-004	low grade		☐	☐	☐
215.19	217.67	2.48	GRD	2.48	100	B0050583	☐	MY19-004	low grade		☐	☐	☐
217.67	218.56	0.89	GRD	0.89	100	B0050596	☐	MY19-004	low grade		☐	☐	☐
218.56	221.00	2.44	GRD	1.44	59	B0050584	☐	MY19-004	low grade		☐	☐	☐
221.00	224.33	3.33	GRD, APL	3.33	100	B0050585	☐	MY19-004	low grade		☐	☐	☐
224.33	227.38	3.05	APL	3.05	100	B0050587	☐	MY19-004	low grade		☐	☐	☐
227.38	229.75	2.37	GRD	2.37	100	B0050588	☐	MY19-004	low grade		☐	☐	☐
229.75	230.81	1.06	GRD	1.06	100	B0050589	☐	MY19-004	low grade		☐	☐	☐
230.81	233.48	2.67	APL	2.57	96	B0050590	☐	MY19-004	low grade		☐	☐	☐
233.48	235.32	1.84	GRD	1.84	100	B0050591	☐	MY19-004	low grade		☐	☐	☐
235.32	237.93	2.61	GRD	2.61	100	B0050592	☐	MY19-004	low grade		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
235.32	237.93	2.61	GRD	2.61	100	B0050593	☐	MY19-004	low grade		☐	☐	☑
237.93	239.57	1.64	GRD	1.64	100	B0050594	☐	MY19-004	low grade		☐	☐	☐
239.57	242.62	3.05	GRD	3.05	100	B0050595	☐	MY19-004	low grade		☐	☐	☐

Sample Results

Archer,Cathro & Associates (1981) Limited

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	4.30						☐	☐	☐	☐	
MY19-002	B0050508	0.00	0.00	0.00	1		0	0.0	☐	☐	☑	☐	
MY19-002	B0050524	0.00	0.00	0.81	8250		32	1.3	☐	☐	☐	☑ ML-2	
MY19-002	B0050529	0.00	0.00	1.35	152		33	2.6	☐	☐	☐	☑ ME-16	
MY19-003	B0050548	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
MY19-003	B0050555	0.00	0.00	0.81	8430		32	1.3	☐	☐	☐	☑ ML-2	
MY19-003	B0050574	0.00	0.00	1.41	144		30	2.2	☐	☐	☐	☑ ME-16	
MY19-004	B0050586	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	BLANK
MY19-002	B0050501	4.30	7.92	0.00	10		0	2.2	☐	☐	☐	☐	
MY19-002	B0050502	7.92	10.97	0.03	7		0	2.2	☐	☐	☐	☐	
MY19-002	B0050503	10.97	14.02	0.01	2		0	2.4	☐	☐	☐	☐	
MY19-002	B0050504	14.02	17.07	0.02	17		0	2.0	☐	☐	☐	☐	
MY19-002	B0050505	17.07	20.12	0.01	29		0	2.0	☐	☐	☐	☐	
MY19-002	B0050506	20.12	23.16	0.01	22		0	1.8	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-002	B0050507	23.16	26.21	0.00	4		0	1.9	☐	☐	☐	☐	
MY19-002	B0050509	26.21	29.26	0.01	3		0	2.1	☐	☐	☐	☐	
MY19-002	B0050510	29.26	32.31	0.07	4		0	2.2	☐	☐	☐	☐	
MY19-002	B0050511	32.31	35.36	0.05	2		0	2.1	☐	☐	☐	☐	
MY19-002	B0050512	35.36	38.40	0.19	2		0	2.0	☐	☐	☐	☐	
MY19-002	B0050513	38.40	41.45	0.02	32		0	2.0	☐	☐	☐	☐	
MY19-002	B0050514	41.45	44.50	0.01	9		0	1.6	☐	☐	☐	☐	
MY19-002	B0050515	44.50	47.55	0.03	5		0	1.7	☐	☐	☐	☐	
MY19-002	B0050516	44.50	47.55	0.03	4		0	1.8	☑	☐	☐	☐	
MY19-002	B0050517	47.55	50.60	0.01	10		0	1.8	☐	☐	☐	☐	
MY19-002	B0050518	50.60	53.64	0.05	76		0	2.1	☐	☐	☐	☐	
MY19-002	B0050519	53.64	56.69	0.01	9		0	1.9	☐	☐	☐	☐	
MY19-002	B0050520	56.69	59.74	0.03	7		0	1.8	☐	☐	☐	☐	
MY19-002	B0050521	59.74	62.79	0.01	3		0	2.1	☐	☐	☐	☐	
MY19-002	B0050522	62.79	65.84	0.00	3		0	1.7	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-002	B0050523	65.84	68.88	0.03	2		0	1.7	☐	☐	☐	☐	
MY19-002	B0050525	68.88	71.93	0.01	4		0	2.7	☐	☐	☐	☐	
MY19-002	B0050526	71.93	74.98	0.02	1		0	2.2	☐	☐	☐	☐	
MY19-002	B0050527	74.98	78.03	0.01	5		0	2.2	☐	☐	☐	☐	
MY19-002	B0050528	78.03	81.08	0.03	6		0	2.9	☐	☐	☐	☐	
MY19-002	B0050530	81.08	84.12	0.01	6		0	1.7	☐	☐	☐	☐	
MY19-002	B0050531	84.12	87.17	0.01	1		0	1.7	☐	☐	☐	☐	
MY19-002	B0050532	87.17	90.22	0.05	1		0	2.3	☐	☐	☐	☐	
MY19-002	B0050533	90.22	93.27	0.03	3		0	1.7	☐	☐	☐	☐	
MY19-002	B0050534	93.27	96.32	0.01	1		0	2.0	☐	☐	☐	☐	
MY19-002	B0050535	96.32	99.36	0.01	0		0	2.7	☐	☐	☐	☐	
MY19-002	B0050536	96.32	99.36	0.01	1		0	2.6	☐	☑	☐	☐	
MY19-002	B0050537	99.36	102.41	0.02	1		0	2.0	☐	☐	☐	☐	
MY19-002	B0050538	102.41	105.46	0.03	2		0	2.0	☐	☐	☐	☐	
MY19-002	B0050539	105.46	108.51	0.02	0		0	1.8	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-002	B0050540	108.51	111.56	0.01	1		0	1.9	☐	☐	☐	☐	
MY19-003	B0050541	111.56	114.60	0.03	2		0	1.5	☐	☐	☐	☐	
MY19-003	B0050542	114.60	117.65	0.01	2		0	1.5	☐	☐	☐	☐	
MY19-003	B0050543	117.65	120.70	0.01	55		0	1.6	☐	☐	☐	☐	
MY19-003	B0050544	120.70	123.75	0.01	9		0	1.6	☐	☐	☐	☐	
MY19-003	B0050545	123.75	126.80	0.01	19		0	1.7	☐	☐	☐	☐	
MY19-003	B0050546	126.80	129.84	0.01	2		0	1.3	☐	☐	☐	☐	
MY19-003	B0050547	129.84	132.89	0.02	4		0	1.3	☐	☐	☐	☐	
MY19-003	B0050549	132.89	135.94	0.01	2		0	1.3	☐	☐	☐	☐	
MY19-003	B0050550	135.94	138.99	0.08	9		0	1.0	☐	☐	☐	☐	
MY19-003	B0050551	138.99	142.04	0.04	15		0	1.1	☐	☐	☐	☐	
MY19-003	B0050552	142.04	145.08	0.01	4		0	0.8	☐	☐	☐	☐	
MY19-003	B0050553	145.08	148.13	0.02	7		0	0.7	☐	☐	☐	☐	
MY19-003	B0050554	148.13	151.18	0.03	3		0	1.1	☐	☐	☐	☐	
MY19-003	B0050556	151.18	154.23	0.05	5		0	0.7	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-003	B0050557	154.23	157.28	0.01	4		0	1.7	☐	☐	☐	☐	
MY19-003	B0050558	157.28	160.32	0.01	3		0	1.4	☐	☐	☐	☐	
MY19-003	B0050559	160.32	163.22	0.01	1		0	1.7	☐	☐	☐	☐	
MY19-003	B0050560	163.22	166.42	0.02	2		0	1.5	☐	☐	☐	☐	
MY19-003	B0050567	166.42	168.10	0.01	2		0	2.2	☐	☐	☐	☐	
MY19-003	B0050561	168.10	169.47	0.01	1		0	1.4	☐	☐	☐	☐	
MY19-003	B0050562	169.47	172.52	0.01	1		0	1.3	☐	☐	☐	☐	
MY19-003	B0050563	172.52	175.56	0.01	3		0	1.4	☐	☐	☐	☐	
MY19-003	B0050564	172.52	175.56	0.02	3		0	1.4	☐	☑	☐	☐	
MY19-003	B0050565	175.56	178.61	0.01	1		0	1.5	☐	☐	☐	☐	
MY19-003	B0050566	178.61	181.66	0.03	0		0	1.2	☐	☐	☐	☐	
MY19-003	B0050568	181.66	184.71	0.01	1		0	1.5	☐	☐	☐	☐	
MY19-003	B0050569	184.71	187.60	0.03	0		0	1.5	☐	☐	☐	☐	
MY19-003	B0050570	187.60	188.57	0.02	1		0	1.6	☐	☐	☐	☐	
MY19-003	B0050571	187.60	188.57	0.02	1		0	1.6	☑	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-003	B0050572	188.57	190.80	0.15	2		0	1.6	☐	☐	☐	☐	
MY19-003	B0050573	190.80	193.85	0.01	3		0	1.8	☐	☐	☐	☐	
MY19-003	B0050575	193.85	196.90	0.01	1		0	1.4	☐	☐	☐	☐	
MY19-003	B0050576	196.90	199.95	0.06	16		0	1.4	☐	☐	☐	☐	
MY19-003	B0050577	199.95	203.00	0.01	5		0	1.5	☐	☐	☐	☐	
MY19-003	B0050578	203.00	204.67	0.05	7		0	1.4	☐	☐	☐	☐	
MY19-003	B0050579	204.67	206.04	0.01	4		0	1.4	☐	☐	☐	☐	
MY19-003	B0050580	206.04	208.68	0.25	6		0	1.5	☐	☐	☐	☐	
MY19-004	B0050581	208.68	212.14	0.01	1		0	1.3	☐	☐	☐	☐	
MY19-004	B0050582	212.14	215.19	0.01	2		0	1.4	☐	☐	☐	☐	
MY19-004	B0050583	215.19	217.67	0.02	2		0	1.1	☐	☐	☐	☐	
MY19-004	B0050596	217.67	218.56	0.04	7		0	1.3	☐	☐	☐	☐	
MY19-004	B0050584	218.56	221.00	0.00	2		0	1.1	☐	☐	☐	☐	
MY19-004	B0050585	221.00	224.33	0.00	2		0	1.2	☐	☐	☐	☐	
MY19-004	B0050587	224.33	227.38	0.01	0		0	1.1	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
MY19-004	B0050588	227.38	229.75	0.00	1		0	1.1	☐	☐	☐	☐	
MY19-004	B0050589	229.75	230.81	0.00	2		0	1.4	☐	☐	☐	☐	
MY19-004	B0050590	230.81	233.48	0.00	1		0	1.3	☐	☐	☐	☐	
MY19-004	B0050591	233.48	235.32	0.01	1		0	1.6	☐	☐	☐	☐	
MY19-004	B0050592	235.32	237.93	0.01	2		0	1.1	☐	☐	☐	☐	
MY19-004	B0050593	235.32	237.93	0.01	1		0	1.1	☐	☑	☐	☐	
MY19-004	B0050594	237.93	239.57	0.00	1		0	1.3	☐	☐	☐	☐	
MY19-004	B0050595	239.57	242.62	0.01	2		0	1.2	☐	☐	☐	☐	