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ASSESSMENT REPORT

describing

PROSPECTING, HAND TRENCHING, DIAMOND DRILLING AND PRELIMINARY METALLURGICAL TESTWORK

Field work performed from June 17 to August 20, 2015

at the

HOPPER PROPERTY

Hopper 1-20	YC41091-YC41110
21-162	YC47017-YC47158
163-168	YC65915-YC65920
170	YC47159
171-266	YD123011-YD123106
267-342	YF28607-YD28682
Gal 1-8	YC65907-YC65914
Guy 1-16	YC19466-YC19481

NTS 115H/02 & 115H/07
Latitude 61°16´N; Longitude 136°52´W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

STRATEGIC METALS LTD.

by

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March 2016

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INTRODUCTION

The Hopper property covers numerous copper-gold-silver enriched, skarn- and porphyry-style targets. The property is located in southwestern Yukon and is wholly owned by Strategic Metals Ltd.

This report describes prospecting, hand trenching and diamond drilling, which were conducted between June 17 and August 20, 2015, and preliminary metallurgical testing, which was done after the field season. Archer, Cathro & Associates (1981) Limited managed the program on behalf of Strategic Metals. The author participated in the program and interpreted the results from it, his Statement of Qualifications is provided in Appendix I. A Statement of Expenditures is located in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Hopper property is located in southwestern Yukon at latitude 61º16' north and longitude 136º52' west on NTS map sheets 115H/02 and 115H/07 (Figure 1). It comprises 365 contiguous quartz claims that cover an area of about 7400 ha (74 km^2). All of the claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

Claim Name	Grant Number	Expiry Date*
Hopper 1-20	YC41091-YC41110	February 15, 2032
21-162	YC47017-YC47158	February 15, 2030
163-168	YC65915-YC65920	February 15, 2032
170	YC47159	February 15, 2030
171-266	YD123011-YD123106	February 15, 2030
267-342	YF28607-YD28682	February 15, 2030
Gal 1-8	YC65907-YC65914	February 15, 2032
Guy 1-16	YC19466-YC19481	February 15, 2032

* Expiry dates include 2015 work that has been filed for assessment credit but not yet accepted.

The property lies along the Aishihik Lake Road, 52 km north of the Otter Falls cut-off at km 1602 on the Alaska Highway. A system of bush roads and bulldozer trails extends from the Aishihik Lake Road onto the property (Figure 2). The Aishihik Lake Road has a gravel surface and is maintained to km 41 (the Otter Falls hydrogeneration dam site) by government. Whitehorse lies 120 km southeast of the Hopper property and is the nearest, major supply centre. The community of Haines Junction is located on the Alaska Highway, approximately 35 km west of the Otter Falls cut-off.

The Hopper property is situated within the Champagne and Aishihik First Nations (CAFN) traditional territory. Neither the property nor access routes overlie first nation settlement land, but two blocks of Category “A” lands and three small parcels of Category “B” lands lie directly west of the property and its access road.

HISTORY AND PREVIOUS WORK

From 1907 to 1967, intermittent, poorly documented, cursory exploration was performed within the area now covered by the Hopper property. Since then, several better documented exploration programs were carried out over various parts of the current property by different operators (Figure 3). Table I summarizes work performed and results obtained by exploration programs conducted since 1967.

Table I – Exploration History of the Hopper Property

Year of Work (Report)	Owner/ Operator	Claims	Work Performed	Results
1968 (019089)	Mitsubishi Metal Corporation	AD	Geophysical survey, geological mapping, soil sampling, composite chip sampling	Identified strong Cu-in-soil values and 0.52% Cu over 45.72 m from a composite chip sample.
1970 (060993)	Mitsubishi Metal Corporation	ML	IP survey	Identified a large magnetic anomaly and a widespread area of polarized material likely due to pyrite, chalcopyrite and magnetite.
1976 (090147)	Mitsubishi Metal Corporation	ML	Mapping and prospecting	Rock sample with 0.124% U_3O_8. Follow up work returned <0.001% U_3O_8.
1977 (091325 and 092027)	Whitehorse Copper Mines Ltd.	Hop and Acme	Diamond drilling (1089.1 m in 11 holes)	Significant Cu, Au and Ag results from drilling, including 1.94% Cu, 0.87 g/t Au, 14.6 g/t Ag over 18.6 m.
1978 (092038)	Whitehorse Copper Mines Ltd.	Hop and Acme	Ground magnetic survey, test IP, geological mapping and diamond drilling (697.7 m in 4 holes)	Best drill intersection: 2.42% Cu, 3.051 g/t Au, 16.11 g/t Ag over 0.21 m.
1980 (work reported in 062147)	New Ridge Resources Ltd.	Hop and Acme	EM-16 and magnetometer surveys, percussion drilling (2490.2 m in 46 holes)	Percussion holes were analyzed for Cu only and not all holes were analyzed. Best intervals: 1.52% Cu over 18.3 m.
1981 (062147)	New Ridge Resources Ltd.	Hop and Acme	Review of historical work and recommendation for future work	Recommended two vertical drill holes to test the mineralized horizon.
1989 (092776)	Casau Exploration Limited	Hop and Acme	Geological mapping, magnetometer survey, bulldozer trenching and diamond drilling (376.12 m in 5 holes)	Best intersections: 1.98% Cu, 0.67 g/t Au, 14.4 g/t Ag over 7.8 m. Rock samples from trenches returned up to 0.32% Cu and 5.49 g/t Au.

2002	Private Group	Guy	No reported work	n/a
2006	Strategic Metals Ltd.	Hopper	Geological mapping, prospecting and soil geochemistry	Soil sampling outlined a 2300 by 400 m area of strong Cu-in-soil geochemistry (up to 1275 ppm). Rock sample values from 0.11 to 1.53% Cu with up to 11.6 g/t Ag.
2007	Strategic Metals Ltd.	Hopper and Gal	Excavator trenching, soil geochemistry and helicopter-borne VTEM & magnetic survey	Soil sampling returned up to 2810 ppm Cu and 95 ppm Mo. Best chip sampling result was 0.4% Cu over 13 m. Geophysical surveys identified strong mag signature over pluton and four conductors (best over skarn zone within Guy claims).
2010	Strategic Metals Ltd.	Hopper and Gal	Soil sampling	Soil sampling yielded subdued response in vicinity of drill holes on Guy claims; locally elevated Au, Cu and Mo values elsewhere on those claims.
2011	Bonaparte Resources Inc. (Strategic Metals Ltd.)	Hopper, Guy and Gal	Geochemical sampling, prospecting, geological mapping, RC drilling, diamond drilling and geophysical surveying	Geochemical sampling returned up to 2730 ppm Cu, 244 ppb Au and 83 ppm Mo. RC and diamond drilling identified numerous zones of porphyry- and skarn-type mineralization. The best RC drilling porphyry result was 0.7% Cu, 0.195 g/t Au, 4.10 g/t Ag over 10.66 m. Diamond drilling at the Hopkins South Zone returned 1.62% Cu, 0.54 g/t Au and 9.30 g/t Ag over 8.50 m.
2012	Strategic Metals Ltd.	Hopper, Guy and Gal	Geophysical survey interpretation	Both 2007 and 2011 geophysical data sets were used for interpretation and roughly outlined the Hopper Pluton (3000 by 6000 m), several small magnetic highs (satellite plutons?) and numerous northwesterly-trending moderate magnetic highs. North-northwesterly-trending electromagnetic

				(EM) conductors lie along the periphery of the Hopper Pluton and to the south of it and are interpreted as possible magnetite-rich skarn horizons.
2013	Strategic Metals Ltd.	Hopper, Guy and Gal	Air photos, access and heritage studies, geochemical sampling, prospecting, geological mapping and core re-logging	Chip sampling across copper-rich skarn exposures returned up to 0.45% Cu, 0.326 g/t Au, 2.17 g/t Ag and 2 ppm Mo over 10.4 m, while gold-rich skarn intervals included 0.18% Cu, 6.83 g/t Au, 2.83 g/t Ag and 12 ppm Mo over 3m.
2014	Strategic Metals Ltd.	Hopper, Guy and Gal	Geological mapping, prospecting, geochemical sampling, hand trenching, induced polarization surveys, petrographic studies and road construction.	Chip sampling across copper-gold-rich skarn zones from hand trenches in the south and north zones returned up to 0.22% copper, 3.63 g/t gold and 1.81 g/t silver over 2.4 m and 0.38% copper, 0.057 g/t gold and 1.55 g/t silver over 37.7 m, respectively. An induced polarization survey outlined numerous chargeability anomalies within the Hopper pluton and metasediments.

The exploration programs and highlight results are summarized in the following paragraphs, while more detailed descriptions of results are provided in the appropriate sections below.

In 1968, Mitsubishi Metal Corporation staked the AD claims to cover a copper showing (Hopkins North Zone) that was identified in the early 1900s (Kikuchi, 1968). The work program comprised geological mapping, rock and soil geochemical sampling and airborne geophysical surveys. A number of composite chip samples were taken from bedrock and/or subcrop across widths of 30.48 to 60.69 m (Figure 3). Values from these chip samples ranged from 0.18 to 0.52% copper. Soil sampling returned copper values up to 2250 ppm. Airborne EM and magnetometer surveys identified a few conductors and areas of strong magnetic response that reportedly coincide with the anomalous copper-in-soil values. No detailed explanation of the geophysical features was reported. An Induced Polarization (IP) survey and bulldozer trenching were recommended as follow-up work, but the claims were allowed to lapse before this work was done.

In 1970, Mitsubishi restaked part of the AD claims as the ML property. Although the assessment report for this work only reports an IP survey, a small bulldozer trenching program is thought to have been attempted in the vicinity of the 1968 work (Figure 3). Results from the IP survey show a widespread area of polarized material likely due to pyrite, chalcopyrite and magnetite (Norgaard, 1970). The bulldozer trenches did not reach bedrock and there is no record of samples taken.

In 1976, Mitsubishi performed mapping and prospecting on the ML property. The focus of this work was intrusive-hosted uranium. A specimen sample reportedly assayed 0.124% U_3O_8, but follow up work returned values less than 0.001% U_3O_8. The ML claims were allowed to lapse (Shimizu and Kashiwagi, 1976).

In 1977, two independent prospectors staked the Acme claims and immediately optioned them to Whitehorse Copper Mines Ltd., which in turn staked the Hop claims to surround the Acme claims. A total of 1089.1 m of diamond drilling was performed in 11 holes to test a pyrrhotite- and chalcopyrite-rich calc-silicate skarn horizon (Hopkins South Zone). Drilling successfully intersected the skarn horizon at depth, with the best hole averaging 1.94% copper, 0.87 g/t gold and 14.6 g/t silver over 18.6 m between 23.5 and 42.1 m (Tenney, 1977).

In 1978, Whitehorse Copper returned to the property to perform geological mapping, follow up diamond drilling (697.7 m in four holes) and ground magnetic and IP surveys at the Hopkins South Zone. The diamond drilling program was designed to determine whether a large tonnage copper target could extend from the area of mineralization detected in 1977. The drilling produced disappointing results with the best intersection grading 0.36% copper over 1.3 m. The magnetic survey confirmed that areas underlain by intrusions have a higher magnetic background than those underlain by schist. Strong magnetic highs were identified in the vicinity of magnetite-rich skarns. The IP survey returned low chargeability readings over the main intrusive body, but four or five times higher values over the schist country rock. Whitehorse Copper thought that the high chargeability background over the schist likely prevented detection of sulphide mineralization at depth (Ashton, 1981).

In 1980, New Ridge Resources Ltd. performed percussion drilling (2490.2 m in 46 holes) and EM-16 and magnetic geophysical surveys within Hopkins South Zone (Ashton, 1981). The most significant interval returned 1.52% copper over 18.3 m between 21.3 and 39.6 m (only analyzed for copper).

In 1989, Casau Exploration Limited performed geological mapping, magnetic surveys, bulldozer trenching and 376.12 m of diamond drilling in five holes within Hopkins South Zone (Stephen and Feulgen, 1989). The best intersection yielded 1.98% copper, 0.67 g/t gold and 14.4 g/t silver over 7.8 m between 23.1 and 30.9 m.

In 2002, a private group staked the Guy claims to cover the drilled skarn horizon in the Hopkins South Zone. No work was reported.

In 2006, Strategic Metals staked the Hopper claims north and east of the Guy claims and conducted geological mapping, prospecting and soil sampling in the vicinity of Hopkins North

Zone. Eight specimens of weakly magnetic granodiorite and diorite yielded between 0.11% and 1.53% copper with an average of 0.65%. Accompanying silver values ranged up to 11.6 g/t. Soil sampling identified numerous anomalies as discussed in the Soil Geochemistry section (Wengzynowski and Smith, 2007). Strategic Metals expanded the claim block in June 2006.

In 2007, Strategic Metals once again expanded the claim block, this time adding the Gal and four more Hopper claims to the south of the Guy claims (Figure 3). Work performed in 2007 included chip and channel sampling, excavator trenching, soil geochemical sampling and helicopter-borne versatile time domain electromagnetic (VTEM) and magnetic surveys (Jessen, 2008). Chip and sawn channel samples collected from outcrops within Hopkins North Zone returned variable results, the best of which was 0.40% copper over 13 m. Specimen sampling within the excavator trenches returned values up to 2.25% copper, but most samples yielded less than 1%. The most significant trench chip sample returned only 0.11% copper over 10 m; however, most of the trenching did not reach bedrock because of deep frozen overburden. Soil sampling better defined and expanded the known anomalies. Results of the VTEM and magnetic surveys are summarized in the Geophysical Surveys section below. In addition to the work performed by Strategic Metals, a M.Sc. Candidate from the University of Waterloo performed whole rock and sulphur isotope analyses on intrusive rocks collected from the main intrusive body, which has been informally named the Hopper Pluton. Kamber, B.S. and Ulrich, T., 2009 referenced in Blumenthal, 2010 performed U/Pb analyses, which returned Late Cretaceous ages between 76.0 ±1.1 and 83.7±1.9 Ma.

In 2008, Monster Mining Corp. acquired the Guy claims.

In 2010, Strategic Metals entered into a joint venture agreement with Monster Mining and added more claims to the south of the Hopper property. That year, Strategic Metals performed grid soil sampling on behalf of the joint venture in the vicinity of skarn mineralization outlined by percussion and diamond drilling within Hopkins South Zone (Smith, 2011). Surprisingly, results from this work were relatively subdued compared to those from elsewhere on the property, with values ranging from 1 to 109 ppb gold, 10 to 913 ppm copper and 1 to 27 ppm molybdenum. Analyses for other elements yielded background to moderately anomalous values.

In 2011, Bonaparte Resources Inc. optioned the Hopper property from the joint venture and performed an exploration program comprising reverse circulation (RC) drilling, diamond drilling, additional VTEM and magnetic surveys and soil sampling (Eaton, 2012). A total of 1730 m of RC drilling were done in 58 holes and 1309 m of diamond drilling were completed in six holes. Results from this work are described in the appropriate sections below.

In early 2012, Bonaparte terminated its option on the property.

In December 2012, Strategic Metals purchased Monster Mining's interests in the joint venture and commissioned Condor Consulting to perform detailed processing, interpretation and analysis of the 2007 and 2011 geophysical data sets.

In spring 2013, Condor Consulting completed the interpretation of total magnetic intensity and EM data. The TMI data roughly outlined the Hopper Pluton as a 3000 by 6000 m, west-northwesterly elongated, very strong magnetic high. The Hopkins South Zone appears to have a strong magnetic signature that blends into the main Hopper Pluton magnetic anomaly. A number of linear northwesterly-trending moderate magnetic highs lie south of the pluton. The Hopper Pluton features low EM response. The drilled area at the Hopkins South Zone is underlain by a strong EM conductor, while two irregularly shaped EM conductors of similar intensities lie two and four kilometres east of the Hopkins South Zone, respectively (Burrell, 2013).

In summer 2013, Strategic Metals performed air photo surveys, access and heritage studies, geochemical sampling, prospecting, geological mapping and core re-logging. Two metre contour topographic maps were also created for the property. Details of the studies can be found in Mitchell (2013), while specifics relating to property geology and geochemical results are discussed in the appropriate section below.

In 2014, several types of work were done, which relate to the property. Strategic Metals conducted a geological mapping, prospecting, hand trenching and geochemical sampling program (Burrell, 2015). SJ Geophysics Ltd. Of Delta, BC performed an induced polarization survey over the north and central parts of the property. This survey comprised a total of 21 line kilometres on seven 3000 m lines spaced 400 m apart. The complete report is found in Burrell, 2015. The Yukon Geological Survey (YGS) collected a sample of the Hopper Pluton and sent it to Boise State University for U/Pb zircon geochronology dating, which returned a weighted mean age of 78.51±0.03 Ma (Israel, pers comm, 2015). Castle Rock Enterprises of Whitehorse, Yukon performed road construction on the property. The main road was extended north to access Hopkins North Zone, while two spur roads were completed to access proposed drill holes at Hopkins South Zone (Burrell, 2015). Finally, Vancouver Petrographics Ltd. Of Langley, BC conducted a petrographic study on eight hand specimen samples. Four of these samples consisted of different intrusive phases identified by geological mapping. Details of this work are found in the appropriate sections of this report.

GEOMORPHOLOGY

The Hopper property is located within the Kluane Plateau physiographic region. The claim block lies between Hopkins Lake to the west and Long Lake to the east. Aishihik Lake is located four kilometres northwest of the property. The property is drained by creeks that flow into Hopkins and Aishihik lakes, which connect to the Pacific Ocean via the Aishihik, Dezadeash and Alsek rivers, and by creeks that flow into Long Lake, which ultimately connects to the Pacific Ocean via the Nordenskiold and Yukon rivers.

The Kluane Plateau was glaciated during the Late Pleistocene. Glacial movement arced from south to north-northwest in the Aishihik Lake area (Duk-Rodkin, 1999).

The property can be sub-divided, from west to east, into four distinct physiographic regions – lowlands, escarpment, upland plateau and mountain peaks (Figure 3). Most of the work has been done in the northwestern part of the property, which includes lowlands, escarpment and upland plateau. These regions are defined by distinct geomorphological characteristics. Lowlands are blanketed by glacial features such as eskers, kames, kettles, melt-water channels and assorted till deposits. Vegetation in this area includes dense spruce, willow, poplar and birch forest, while outcrop is limited to steep sides of melt-water channels. The escarpment comprises multiple stacked cliff bands and is vegetated with thick willow and buckbrush surrounding scattered spruce and birch. The upland plateau is mostly blanketed by glacial till deposits of varying thicknesses. Glacial till deposits typically range from fine silt to large rounded boulders, but a few truck-sized glacial erratics have been observed. Outcrop on the plateau is mostly limited to glacially scoured knolls. Tree line is at about 1500 m, and much of the plateau is lightly vegetated with buckbrush and stunted spruce thickets. Mountain peaks are found in the central and eastern parts of the property. They were nunataks during the glacial advances and are characterized by unvegetated, talus and felsenmeer.

Although the Hopper area is arid and many creeks only flow during seasonal runoff, small lakes and the larger creeks provide sufficient water for camp and drilling purposes throughout summer and fall.

REGIONAL GEOLOGY

The Hopper property is located within Yukon-Tanana Terrane (YTT), which represents a continental arc that developed along the ancient Pacific margin of North America from Late Devonian to Permian (Figure 4). The segment of YTT containing the property is bounded by the Tintina Fault, 200 km to the northeast, and the Denali-Shakwak Fault, 50 km to the southwest. Both faults are steeply dipping transcurrent structures that have seen hundreds of kilometres of dextral strike-slip offset.

In 1997, the area around the Hopper property (NTS map sheet 115H/07) was mapped at 1:50,000 scale by Johnston and Timmerman of the YGS. Gordey and Makepeace (2003) later completed a Yukon-wide geological compilation, which updated the lithological unit names in the area. In 2015, Israel and Borch mapped parts of map sheet 115H/02 and 07 at 1:50,000 scale and updated the lithological units for that area (Figure 5). Table II describes the regional map units.

Table II – Lithological Units (*after Israel and Borch, 2015*)

Map Suite	Age	Map Unit	Description
Rhyolite Creek Volcanoplutonic Complex	Paleocene	PRp	Massive, fine to medium-grained, plagioclase porphyry; fine-grained hornblende, quartz diorite to granodiorite.
Skukum Assemblage		PRv	Andesitic to dacitic volcanic breccia and subvolcanic intrusions; angular to rounded clasts of purple to grey feldspar porphyry and fine-grained intermediate volcanics within a feldspar crystal-rich, andesitic to dacitic matrix.
Ruby Range Suite		PR	Medium to coarse grained, equigranular, light grey to white biotite ± hornblende granodiorite; fine to coarse grained, salt and pepper, hornblende ± biotite, quartz diorite;

			very coarse grained biotite, muscovite K-feldspar pegmatite dykes; likely in part coeval with Rhyolite Creek volcanoplutonic complex.
Casino Suite (Hopper Pluton)	Late Cretaceous	LKc	Medium to coarse grained, hornblende, quartz-diorite, granodiorite and diorite; local coarse-grained hornblende gabbro; abundant magnetite; locally strongly altered where in contact with PDs and PDScs.
Aishihik Dikes		LKp	Fine to medium grained hornblende ± biotite, plagioclase porphyry; commonly strongly chlorite and sericite altered; weathers orange, brown where in contact with PDs and PDScs.
Long Lake Suite	Early Jurassic	EJL	Medium to coarse grained biotite, hornblende granodiorite to quartz-diorite; locally k-spar medacrystic; minor coarse grained gabbro; plagioclase, quartz ± k-spar pegmatite dikes locally common; strongly foliated near contact with metasedimentary rocks of the YTT, massive away from contact.
Finlayson Assemblage	Devonian to Mississippian	DMFc	Fine to medium grained, light grey to white weathering, banded marble, up to several tens of metres thick, locally interlayed with dark grey to black, fine-grained chert and calcareous, quartz, biotite schist.
		DMF	Fine to medium grained light to dark grey, strongly to weakly carbonaceous quartzite and psammitic schist; locally abundant layers of biotite-rich, quartz-feldspar schist; rare fine grained chlorite schist.
Snowcap Assemblage	Proterozoic to Devonian	PDSc	Fine to medium grained, grey-cream weathered, light grey to white marble occurring as lenses and thick layers (up to several tens of metres wide); common skarnification consisting of quartz, epidote, diopside and garnet occurs where intruded by LKc and LKp.
		PDScs	Fine to medium grained calcareous, quartz-muscovite schist, calc-silicate schist, and garnet, diopside and epidote skarn.
		PDS	Fine to medium grained, sugary, massive to banded and strongly folded light grey weathered quartzite, dark grey quartz-biotite-schist and quartz-feldspar-biotite schist;

			locally abundant garnet and muscovite; medium to coarse-grained augen gneiss and biotite-rich paragneiss; kyanite, staurolite and andalusite locally common.

The oldest rocks in the area comprise primarily micaceous quartzite, schist, gneiss and marble of the Proterozoic to Devonian Snowcap Assemblage. The Snowcap Assemblage is intruded by the Late Cretaceous Casino Suite “Hopper Pluton”, which was previously assigned to the Early Tertiary Ruby Range Suite. Plutons of similar age are not volumetrically abundant, but they are economically important because they are directly associated with porphyry and epithermal vein mineralization at a number of properties in the Dawson Range, including Casino, Nucleus/Revenue and Klaza (Sanchez *et al.*, 2014). A complex system of Paleocene Rhyolite Creek Volcanoplutonic and Late Cretaceous Aishihik, dykes and sills intrude all lithological units.

PROPERTY GEOLOGY

In 1989 and 2011, 1:1000 and 1:5000 scale mapping was completed in the vicinity of the Hopkins South Zone. In 1968, 1976, 2006 and 2011, property-scale mapping was performed in a broad area encompassing the Hopkins North Zone. In 2013, mapping was completed at 1:2500 scale over a 4500 m by 2500 m area that includes the Hopkins North and South zones and a third area located one kilometre further to the south. In 2014, additional mapping at 1:2500 scale was completed within the Hopkins North and South zones (Figures 6 and 7).

The following descriptions are based primarily on 1989, 2013 and 2014 observations. Regional lithologies generally correlate to property units, which are described from oldest to youngest below.

Proterozoic to Devonian – Snowcap Assemblage (PDs):

DM1: Interbedded micaceous quartzite, biotite-quartz schist to gneiss and biotite±muscovite-quartz-feldspar schist to gneiss.

- **DM1q:** Grey to black and brown micaceous quartzite consisting of biotite±muscovite and quartz.
- **DM1s:** Dark grey to black biotite-quartz schist.
- **DM1g:** Grey, greyish brown weathering biotite-quartz gneiss comprising medium to coarse grained mica between two to four millimetre thick bands of quartz and minor feldspar.
- **DM1f:** Quartz-feldspar schist to gneiss.

DMmb: Biotite-hornblende-quartz metabasite schist to gneiss.

DMm: White to light grey, recrystallized and thin bedded marble. Marble horizons range from 0.5 to 30 m thick and are often partially altered to calc-silicate, grading to skarn.

DMcs: White to green, very fine grained, thin bedded to mottled calc-silicate, which occurs in close association with marble, skarn and quartz-mica schist to gneiss. Narrow green and purple bands suggest thin beds of clastic sediment were incorporated during deposition.

DMs: Skarns are dominantly composed of pyroxene, garnet, epidote, chlorite, actinolite, tremolite, wollastonite and serpentine and may host semi-massive to massive magnetite. Sulphide minerals often partially replaces magnetite. Skarn horizons are developed in the metasedimentary units near both the northern and southern contacts of the pluton.

DMh: Grey, fine grained, rusty weathering, siliceous rock with fine disseminated pyrrhotite. Occurs in proximity to dioritic and feldspar porphyry dykes.

<u>Late Cretaceous – Casino Suite (LKc):</u>

Hopper Pluton: Locally, the Hopper Pluton exhibits four phases: 1) granodiorite; 2) gabbro; 3) monzonite; and, 4) quartz monzonite. Only a cursory attempt has been made at differentiating the four phases while field mapping, because there are relatively few bedrock exposures. Detailed descriptions of the four units are provided in the Petrographic Studies section.

<u>Paleocene – Rhyolite Creek Volcanoplutonic Complex (PRp):</u>

Tfp: Light grey to pinkish-grey, feldspar-hornblende±biotite porphyritic dykes. Dykes are generally north-trending and steeply dipping with thicknesses up to 30 m.

<u>Paleocene – Rhyolite Creek Volcanoplutonic Complex (PRv):</u>

Td: Medium grey to dark grey, fine to medium grained diorite dykes consisting of hornblende, feldspar and biotite.

Tap: Dark grey to black, fine grained, massive, nearly vertical andesite dykes. May host small phenocrysts comprising creamy or grey to white feldspar.

Tlm: Heavy, biotite rich rock with elongate clasts of marble up to 0.5 m long – possibly lamprophyre but likely enodskarn.

Ttra: Pinkish, grey or grey green, aphanitic trachyte and latite dykes.

Tb: Dark grey to black, fine grained basalt dykes commonly containing white feldspar phenocrysts and small open vesicles near their contacts. Most of the dykes have the same north strike and steep dip as feldspar porphyry dykes (Tfp); however, these sharply cross-cut the trachyte and latite dykes (Ttra). Dykes are generally one to three metres thick.

Tcb: A series of small zones of brecciation comprising chalcedonic silicification and drusy quartz veining. Open cavities are lined with small clear to white quartz crystals, and chalcedony may be finely banded. This unit may represent zones of epithermal alteration in late stage breccias.

In the lowlands and on the upland plateau, contacts between the metasediments and the pluton are generally obscured by overburden. Where contacts are observed near the transition from lowlands to escarpment, they are complex and irregular, in part because of large metasedimentary xenoliths (up to tens of metres in width) within the pluton.

Skarn and calc-silicate horizons are found up to 1000 m north and south from the Hopper Pluton and in the vicinity of dykes. A 290 m thick section of Snowcap Assemblage is exposed on the escarpment. Bedding within this section is sub-horizontal to shallowly (15^{o}) east dipping.

Calcareous horizons or their altered equivalents collectively comprise about two-thirds of the Snowcap Assemblage stratigraphic section between the southern edge of the Hopper Pluton and the Hopkins South Zone on Franklin Creek (Figure 7), as shown in Table III.

Table III – Relative Abundance and Thickness of Rock Types within the Metasedimentary Package

Rock Type	Thickness (m)	Percentage
DMcs (Calc-Silicate)	22	8
DMm (Marble)	67	23
DMs (Skarn)	98	34
DM1 (Quartz and Schist)	103	35

A number of north-striking and steeply dipping dykes intrude the Snowcap Assemblage and Hopper Pluton. The most abundant dyke sets belonging to unit Tfp.

Locally, quartz-carbonate veins with epithermal textures occur adjacent to some Tfp dykes. North- to north-northeast-trending, steeply dipping brittle faults and fractures are common on the property.

MINERALIZATION

Three types of mineralization have been observed at the Hopper property: 1) intrusive-hosted, disseminated and fracture-filling sulphides; 2) iron oxide and sulphide-bearing skarn; and 3) epigenetic veins with sulphide (Figure 8). The mineralization discovered to date is concentrated in two main zones (Hopkins North and Hopkins South), which are located in the western part of the property.

In 2015, a total of 34 rock samples were collected from the property, 27 of which were chip samples taken from hand trenches or along road cuts. Rock sample and hand trench locations are plotted on Figure 8. Hand trench and road cut sampling is discussed in the Hand Trenching section below.

The 2015 rock sample sites are marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a hand-held GPS unit. Sample preparation for 2015 rock samples was carried out by ALS Minerals in Whitehorse, where the samples were dried and fine crushed to better than 70% passing -2mm before a 250 g split was pulverized to better than 85% passing 75 micron. The fine fractions were then sent to ALS Minerals in North Vancouver, where they were analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis (Au-ICP21) and for 51 other elements using an aqua regia digestion and mass spectrometry analysis (ME-MS41). Certificates of Analysis and Rock Sample Descriptions are provided in Appendices III and IV, respectively.

HOPKINS NORTH ZONE

Hopkins North Zone encompasses the northwestern part of the Hopper Pluton and metasediments to the north and west of it. It is sub-divided into three areas – a 650 by 2000 m core of porphyry-type, metasediment- and intrusion-hosted sulphides; a 750 by 1500 m zone of mineralized skarn horizons bordering the northwest side of the porphyry core; and, a 350 by 800 m complex in the western-most part of the pluton containing large screens and xenoliths of metasedimentary rocks (Figure 6).

Granodiorite in the Hopkins North Zone and adjacent clastic metasedimentary rocks, predominantly host trace to moderately abundant chalcopyrite with lesser pyrite, pyrrhotite, magnetite and/or molybdenite, as fine interstitial disseminations, coarser aggregates and clots, and fracture fillings. The dominant mineralized fracture set strikes 140^{o} to 170^{o} and dip steeply (near vertical) to the west and east. A secondary fracture set strikes 010^{o} to 040^{o} and dips 60^{o} to 75^{o} to the east. Intense surface oxidation and leaching seen in some porphyry systems elsewhere in Yukon is not evident at the Hopper property, likely because it has been glacially scoured.

Skarn horizons and lenses in Hopkins North Zone range up to 8 m thick and are composed of pyroxene±garnet±actinolite±epidote. Semi-massive to massive magnetite is common and is often partially replaced by sulphide minerals including chalcopyrite, pyrrhotite and lesser pyrite.

The complex contact zone at the western edge of the Hopper Pluton hosts disseminated and fracture-filling chalcopyrite mineralization. This mineralization is found within metasedimentary wallrocks, metasedimentary xenoliths and screens, and the intrusion itself.

Epigenetic mineralization in the form of quartz-carbonate veining occurs mostly within the pluton. These veins typically strike 135° to 155° and dip between 45° to 65° to the northeast. The quartz is clear to white to smokey and sometimes exhibits weak banding, drusy cavities and brecciation. The carbonate weathers orange-brown and consists of amorphous to white crystalline ankerite and calcite. The veins are typically one to three metres wide and commonly contain isolated coarse blebs and clots of chalcopyrite and molybdenite.

Feldspar porphyry dykes and mafic to intermediate dykes are locally mineralized where they are cut by north-striking faults and fractures. Malachite staining is common within mineralized areas.

In 1968, Mitsubishi chip sampled 25 mineralized porphyry-type bedrock exposures. The sampled outcrops returned generally encouraging results, which are much higher than values from nearby soil samples. In 2006, 2007 and 2011, Strategic Metals collected numerous specimen, chip and channel samples of variably mineralized granodiorite, skarn, dyke and quartz-carbonate vein material near the Mitsubishi samples. Excavator trenching was attempted, but was largely unsuccessful because bedrock could not be reached due to deep, frozen overburden. The most anomalous historical samples from Hopkins North Zone are listed in Table IV.

Table IV – Significant Historical Rock and Chip Sample Results – Hopkins North Zone

Rock Type	Year	Sample Number	Sample Type (Length)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Granodiorite	1968	4	Chip (30.48 m)	0.10	NA	NA	30
Granodiorite	1968	7	Chip (45.72 m)	0.52	NA	NA	170
Granodiorite	1968	8	Chip (60.96 m)	0.25	NA	NA	200
Granodiorite	1968	10	Chip (60.96 m)	0.18	NA	NA	30
Granodiorite	1968	12	Chip (45.72 m)	0.24	NA	NA	160
Granodiorite	1968	13	Chip (30.48 m)	0.21	NA	NA	270
Granodiorite	2006	C103407	Specimen	1.37	0.084	11.3	99
Granodiorite	2006	C103411	Specimen	1.53	0.61	11.6	27
Skarn	2006	C103416	Chip (2 m)	0.93	0.096	15.1	155
Dyke	2006	C103404	Specimen	1.75	0.163	7.4	109
Dyke	2006	C103417	Specimen	0.92	0.373	12.2	6
Granodiorite	2007	B376020-023	Chip (13 m)	0.40	0.055	1.9	47
Granodiorite	2007	B376027	Chip (3 m)	0.22	0.010	1.6	5
Granodiorite	2007	B376056	Chip (3 m)	0.32	0.004	1.2	21
Granodiorite	2007	B376058	Chip (3 m)	0.54	0.005	1.1	32
Granodiorite	2007	B376533	Specimen	1.08	0.006	10.8	937
Granodiorite	2007	B376542	Specimen	2.25	0.19	12.7	19
Granodiorite	2007	B376094-095	Chip (10 m)	0.11	0.016	0.6	23
Veined granodiorite	2011	K270701	Specimen	0.91	0.010	3.2	57
Granodiorite	2011	K270702	Specimen	0.10	<0.005	0.9	7
Granodiorite	2011	K270703	Specimen	1.12	0.039	4.7	22
Granodiorite	2011	K270704	Specimen	0.08	1.06	0.7	<1
Fault	2011	J981401	Chip (5 m)	0.10	0.006	0.5	6

NA = Not analyzed

In 2015, a total of 31 rock samples were collected from Hopkins North Zone. Samples collected between 2013 and 2015 tested variably mineralized granodiorite, intermediate and felsic dyke swarms, skarn and quartz or quartz-carbonate veins (Figure 8). The best results from recent sampling are listed in Table V below.

Table V – Significant 2013, 2014 and 2015 Rock and Chip Sample Results – Hopkins North Zone

Rock Type	Sample Number	Sample Type (Length)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Metabasite	L865815	Specimen	1.51	0.052	9.82	24
Granodiorite	L865805	Specimen	2.67	0.021	18.75	25
Granodiorite	L865806	Specimen	0.12	0.018	1.30	5
Altered granodiorite	M898222	Specimen	0.998	0.01	6.75	94.2
Monzonite	M898278	Outcrop	0.211	0.028	1.27	19.3
Felsic dyke	K269149	Specimen	0.20	0.075	4.14	22
Skarn	L865804	Chip (1 m)	0.86	0.7	12.45	1
Skarn	L865809	Specimen	2.27	0.4	18.00	2
Skarn	L865726	Specimen	<0.001	0.275	0.1	2
Diopside skarn	M898285	Specimen	0.201	0.009	2.35	0.93
Diopside-actinolite skarn	M898286	Specimen	0.693	0.1	15.5	27.8
Actinolite-diopside skarn	M898287	Chip (2 m)	0.80	0.279	16.75	3.54
Marble and epidote skarn	M898289	Chip (10 cm)	0.78	0.024	22.8	0.85
Quartz vein	M898291	Specimen	2.08	0.508	16.75	966
Quartz vein	M898293	Specimen	0.303	0.002	1.23	1.65
Quartz vein	K269142	Specimen	0.27	0.006	0.52	173
Quartz-carbonate vein	L865807	Specimen	0.18	0.018	1.51	24
Quartz-carbonate-ankerite vein	M898227	Specimen	0.998	0.014	3.14	30
Quartz-carbonate vein	M898284	Outcrop	0.149	0.008	2.27	0.72
Quartz-carbonate vein	R608407	Chip (3 m)	0.551	0.004	12.9	5.4

Quartz-carbonate vein	R608429	Chip (70 cm)	0.30	0.005	1.19	34.2
Quartz-carbonate vein	R608430	Chip (60 cm)	1.48	0.032	4.64	19.7
Quartz-carbonate vein	R608431	Chip (15 cm)	5.58	0.064	14.45	1115
Quartz-carbonate vein	R608432	Chip (15 cm)	1.24	0.185	8.35	151

HOPKINS SOUTH ZONE

Hopkins South Zone covers an approximately 500 m by 2000 m area, which lies south of the Hopper Pluton, and encompasses the Discovery, JG, LV and a number of other unnamed showings (Figure 7).

Skarn horizons and lenses at the Discovery Showing exposed in outcrop are 1 to 12 m thick. The skarns mostly comprise pyroxene±actinolite±garnet±epidote±chlorite and are mineralized with chalcopyrite, pyrite, pyrrhotite and semi-massive to massive magnetite. The Discovery Showing appears to be the southern extension of the JG Showing because it is at about the same stratagraphic position and has a similar mineralogical composition. The LV Showing lies west of the Discovery Showing about 70 m deeper in the stratigraphy. It is strongly gold-enriched and comprises pyroxene-actinolite skarn with limonite- and manganese-rich surface coatings and trace malachite.

The mineralized skarn horizons strike approximately 170° and dip around 15° east. Geological mapping and drill holes have traced the mineralization over a strike length of 1000 m and up to 460 m down dip of surface.

In 1989, Casau Exploration took several specimen and chip samples from various skarn and chalcedony breccia exposures. Numerous chip samples of skarn were also collected from three bulldozer trenches, but specific lengths, grades and locations were not recorded. Many of these samples were taken from isolated exposures that lie outside the main showings and have not been re-sampled. The most anomalous historical results are listed in Table VI.

Table VI – Significant Historical Rock and Chip Sample Results – Hopkins South Zone

Rock Type	Year	Sample Type	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Skarn	1989	Specimen	1.18	0.62	NR	NA
Skarn	1989	Specimen	0.51	0.20	NR	NA
Skarn	1989	Specimen	0.74	0.14	NR	NA
Skarn	1989	Specimen	0.59	6.27	2.74	NA
Skarn	1989	Specimen	0.59	1.30	14.06	NA
Skarn	1989	Specimen	1.00	0.55	5.83	NA
Skarn	1989	Specimen	1.26	0.27	8.57	NA
Chalcedony breccia	1989	Specimen	2.07	1.03	63.08	NA
Bulldozer trench	1989	Chip Sample	0.32	0.55	NR	NA

NR = Not recorded
NA = Not analyzed

In 2015, one chip sample of tremolite-actinolite-wollastonite skarn was collected from Hopkins South Zone (Figure 8). The best results from 2013, 2014 and 2015 sampling are listed in Table VII. Chip samples collected in 2014 from 10 hand trenches excavated in this zone are discussed in the Hand Trenching section below.

Table VII – Significant 2013, 2014 and 2015 Rock and Chip Sample Results – Hopkins South Zone

<table>
<tr><th>Rock Type (year)</th><th>Sample Number</th><th>Sample Type (Length)</th><th>Cu (%)</th><th>Au (g/t)</th><th>Ag (g/t)</th><th>Mo (ppm)</th></tr>
<tr><td>Skarn (2014)</td><td>M898221</td><td>Specimen</td><td>0.45</td><td>0.039</td><td>2.5</td><td>6</td></tr>
<tr><td>Skarn (2013)</td><td>L865572</td><td>Chip (1 m)</td><td>0.14</td><td>0.847</td><td>1.13</td><td>2</td></tr>
<tr><td>Skarn (2013)</td><td>L865574</td><td>Chip (0.7 m)</td><td>0.38</td><td>0.004</td><td>2.27</td><td>25</td></tr>
<tr><td>Skarn (2013)</td><td>L865575</td><td rowspan="4">Chip (10.4 m)</td><td rowspan="4">0.45</td><td rowspan="4">0.326</td><td rowspan="4">2.17</td><td rowspan="4">2</td></tr>
<tr><td>Skarn (2013)</td><td>L865576</td></tr>
<tr><td>Skarn (2013)</td><td>L865577</td></tr>
<tr><td>Skarn (2013)</td><td>L865578</td></tr>
<tr><td>Skarn (2013)</td><td>L865579</td><td rowspan="2">Chip (3.4 m)</td><td rowspan="2">0.51</td><td rowspan="2">0.52</td><td rowspan="2">6.79</td><td rowspan="2">9</td></tr>
<tr><td>Skarn (2013)</td><td>L865580</td></tr>
<tr><td>Skarn (2013)</td><td>L865581</td><td rowspan="2">Chip (4.2 m)</td><td rowspan="2">0.33</td><td rowspan="2">0.30</td><td rowspan="2">5.87</td><td rowspan="2">12</td></tr>
<tr><td>Skarn (2013)</td><td>L865582</td></tr>
<tr><td>Skarn (2013)</td><td>L865583</td><td>Chip (1.9 m)</td><td>0.42</td><td>0.306</td><td>2.56</td><td>1</td></tr>
<tr><td>Skarn (2013)</td><td>L865590</td><td rowspan="3">Chip (8.1 m)</td><td rowspan="3">0.23</td><td rowspan="3">0.06</td><td rowspan="3">2.06</td><td rowspan="3">278</td></tr>
<tr><td>Skarn (2013)</td><td>L865591</td></tr>
<tr><td>Skarn (2013)</td><td>L865592</td></tr>
<tr><td>Skarn (2013)</td><td>L865593</td><td rowspan="2">Chip (4.5 m)</td><td rowspan="2">0.32</td><td rowspan="2">1.31</td><td rowspan="2">6.47</td><td rowspan="2">5</td></tr>
<tr><td>Skarn (2013)</td><td>L865594</td></tr>
</table>

Skarn (2013)	L865595					
Skarn (2013)	L865598	Chip (3 m)	0.18	6.83	2.83	12
Skarn (2013)	L865812	Chip (3 m)	0.96	0.7	5.51	1
Skarn (2013)	L865813	Chip (1.2 m)	0.66	0.2	5.46	7
Skarn (2013)	K269145	Specimen	0.16	0.037	1.58	3
Calc-silicate (2013)	L865596	Chip (1 m)	0.36	0.179	4.92	16
Micaceous quartzite (2013)	L865817	Specimen	0.14	0.011	0.33	466
Feldspar porphyry dyke (2013)	L865585	Chip (1.7 m)	0.13	0.031	2.5	13
Skarn (2015)	R608434	Chip (1.4 m)	0.97	0.126	12.5	1

The 2015 sample was taken from a small, isolated skarn outcrop. The upper and lower contacts of this skarn horizon are not exposed, and the projection of the horizon is covered by overburden and vegetation along strike.

SOIL GEOCHEMISTRY

In 1985, the Geological Survey of Canada performed regional stream sediment sampling across the Aishihik Lake map sheet (Hornbrook, et al., 1985). Three samples taken from creeks draining the Hopper property returned moderately anomalous copper and lead values to peaks of 51 ppm and 68 ppm respectively, which are in the 95th percentile for the survey area. Results for other elements did not exceed regional background values.

Soil geochemical surveys conducted on the Hopper property prior to 2013 include grid and contour sampling at varying sample spacings. Before 2006, soil samples were only analyzed for copper, but since then they have also been analyzed for gold and a number of other elements. Historical sample results for copper, gold, silver and molybdenum are illustrated thematically along with the 2014 results on Figures 9 to 12, respectively. No soil samples were collected in 2015. Anomalous thresholds and peak values for all soil samples are listed in Table VIII.

Table VIII – Geochemical Data for Soil Samples

Element	Weakly Anomalous	Moderately Anomalous	Strongly Anomalous	Very Strong	Peak
Copper (ppm)	≥ 50 < 100	≥ 100 < 200	≥ 200 < 500	≥ 500	26,100
Gold (ppb)	≥ 10 < 20	≥ 20 < 50	≥ 50 < 100	≥ 100	465
Silver (ppm)	≥ 0.2 < 0.5	≥ 0.5 < 1	≥ 1 < 2	≥ 2	5.5
Molybdenum (ppm)	≥ 5 < 10	≥ 10 < 20	≥ 20 < 50	≥ 50	142

Sampling has outlined a broad area (2500 m by 3600 m) defined by copper-in-soil values ranging from 500 to 26,000 ppm, which encompasses the Hopkins North and South zones (Figure 9). Scattered to well clustered, moderately to strongly elevated gold, silver and molybdenum values are also present. The anomalous area overlies the lowlands, escarpment and upland plateau and covers part of the Hopper Pluton and adjacent metasediments.

The escarpment, where residual soil predominates, exhibits the most extensive and strongest copper, gold, silver and molybdenum geochemical signatures on the property. Distributions of moderately to strongly anomalous copper, gold, silver and molybdenum values in the lowlands and on the upland plateau are spotty or loosely clustered, which is in part attributed to mixing of in situ soils with glacial and glacio-fluvial material.

Areas of moderately to very strongly anomalous gold and silver values are primarily underlain by metasedimentary rocks near the southern and northern margins of the Hopper Pluton. The southerly cluster of high precious metal values is slightly offset from a band of moderately to strongly anomalous molybdenum-in-soil values, which closely follows the contact between the pluton and metasediments.

In the eastern part of Hopkins North Zone, there is a small cluster of coincident, moderately to strongly elevated gold, silver and molybdenum values, which are underlain by the Hopper Pluton.

Soil geochemistry also identified several isolated, very strong copper, gold and silver values south of Franklin Creek, which are thought to be associated with distal skarns or vein-style mineralization. The best gold-in-soil value (1.84 g/t) on the property occurs with four other strongly anomalous spot highs in this area.

Most of the geochemically anomalous areas, including a 550 by 900 m core of very high values centred on the JG Showing, were not tested by historical drilling. However, some of these anomalies were the targets of 2015 drill holes. Surprisingly, soil geochemical response is relatively weak near the Discovery Showing.

DIAMOND DRILLING

HISTORICAL DIAMOND DRILLING

Between 1977 and 1989, a total of 2162.9 m of diamond drilling was completed in 20 holes near the Discovery Showing, within Hopkins South Zone. The holes were designed to test magnetic anomalies and skarn mineralization at depth. Only visibly mineralized drill intervals were sampled. Approximate drill hole locations are shown on Figure 3 (re-surveying of pre-2011 holes is not possible due to lack of collar markers). Drill hole data and types of mineralization found within the holes are listed in Table IX.

Table IX – Historical Diamond Drill Hole Data and Visual Results

Hole	Year	Azimuth (º)	Dip Angle (º)	Length (m)	Comments and/or Mineralization Type
TH-1	1977	060	-65	215.5	Actinolite-tremolite-diopside-garnet skarn with chalcopyrite ± pyrite ± pyrrhotite.
TH-2	1977	060	-60	77.1	Actinolite-diopside ± magnetite ± tremolite skarn with chalcopyrite + pyrrhotite.
TH-3	1977	240	-70	62.8	Dyke, hole stopped.
TH-4	1977	060	-70	77.1	Actinolite-tremolite-magnetite skarn with chalcopyrite + pyrrhotite.
TH-5	1977	060	-80	46.3	Hole lost due to fault.
TH-6	1977	240	-80	97.5	Tremolite-magnetite ± actinolite-diopside skarn with chalcopyrite + pyrrhotite.
TH-7	1977	240	-80	107.0	Actinolite-tremolite skarn pyrite + pyrrhotite + chalcopyrite.
TH-8	1977	240	-80	96.9	Tremolite-actinolite-diopside(?) skarn with pyrrhotite + magnetite + chalcopyrite.
TH-9	1977	240	-80	88.4	Carbonate-altered dyke with minor chalcopyrite.
TH-10	1977	240	-80	32.3	Dyke, hole stopped.
TH-11	1977	240	-80	188.1	Schist with minor Cu mineralization.
TH-12	1978	-	-90	194.5	Minor Cu at schist-marble contact.
TH-13	1978	-	-90	206.3	Barren magnetite-chalcopyrite + pyrite bearing skarn.
TH-14	1978	-	-90	21.9	Dyke, hole stopped.
TH-15	1978	-	-90	274.9	Schist with minor Cu mineralization.
HA-1	1989	240	-70	105.16	Diopside and actinolite skarn with chalcopyrite ± pyrrhotite.
HA-2	1989	240	-70	72.54	Magnetite ± tremolite skarn with chalcopyrite + pyrrhotite.
HA-3	1989	240	-70	65.22	Diopside and actinolite skarn with chalcopyrite ± pyrrhotite ± malachite.
HA-4	1989	240	-60	72.24	Diopside, actinolite and magnetite skarn with chalcopyrite + pyrrhotite.
HA-5	1989	-	-90	60.96	Actinolite-diopside skarn with chalcopyrite + pyrite.

Most of the holes intersected stacked, variably mineralized skarn horizons of differing widths. The primary gangue minerals include garnet, pyroxene, diopside, actinolite, tremolite, chlorite and epidote, while metallic minerals comprise magnetite, pyrrhotite, chalcopyrite and pyrite plus minor sphalerite and bornite. Disseminated to massive magnetite is the most abundant metallic mineral. Disseminated to blebby chalcopyrite, pyrrhotite and pyrite are less abundant and typically replace magnetite. Sphalerite and bornite are relatively rare and are associated with chalcopyrite. A paragenetic study carried out in 1978 (Hureau) determined that magnetite and pyrite formed first, followed by pyrrhotite, then chalcopyrite and sphalerite, and finally bornite.

Mineralized and unmineralized skarn horizons are interbedded with schist, limestone and marble. All of these units are cut by post-mineralization feldspar porphyry and intermediate to mafic dykes. The dykes appear to strike northerly and dip steeply, while bedding strikes northerly and dips shallowly to the east.

The best intervals from the historical holes are listed in Table X.

Table X – Historical Diamond Drilling Assay Highlights

Hole	From (m)	To (m)	Interval (m)	Copper (%)	Gold (g/t)	Silver (g/t)
TH-1	15.54	21.00	5.46	0.14	0.14	3.0
TH-1	115.82	119.18	3.35	0.30	0.30	2.3
TH-2	23.53	42.12	18.59	1.94	0.87	14.6
TH-4	54.89	65.32	10.43	1.25	0.65	9.7
TH-6	57.36	70.10	12.74	1.05	NR	NR
TH-7	91.84	97.72	5.88	0.17	0.15	3.7
TH-8	60.81	69.28	8.47	0.76	0.71	7.3
including	62.79	67.09	4.30	1.27	0.81	10.6
TH-9	53.34	66.96	13.62	0.42	0.30	4.8
including	64.07	65.01	0.94	3.06	0.86	20.2
TH-12	143.65	143.86	0.21	2.42	3.0	16.1
TH-12	169.62	170.08	0.46	1.38	1.8	0.8
TH-13	170.08	171.36	1.28	0.36	0.08	NR
TH-15	111.80	114.79	2.99	0.20	0.19	3.4
HA-1	52.38	53.69	1.31	2.70	0.86	35.7
HA-1	59.61	60.71	1.10	3.72	0.80	18.7
HA-1	101.24	104.18	2.94	0.45	0.32	4.4
HA-2	23.09	30.88	7.79	1.98	0.67	14.4
HA-3	14.63	17.51	2.88	0.56	0.20	7.0
HA-4	19.28	20.61	2.29	1.29	0.35	10.5
HA-4	24.95	29.96	5.01	0.62	0.33	13.6
HA-5	22.97	25.08	2.11	0.54	0.23	4.7

NR – not reported

Holes TH-3 and TH-10 were cored only in dykes, while holes TH-4 and TH-9 cut dykes where mineralization was expected (Tenney, 1977). Hole TH-5 was lost prematurely in a fault zone. Weak chalcopyrite was observed in schist and skarn in Holes TH-11 and TH-14, but no significant results were obtained.

2011 AND 2015 DIAMOND DRILLING

In 2011, a six hole diamond drill program totalling 1309.9 m was completed in the vicinity of the historical diamond drill holes at Hopkins South Zone. This program successfully confirmed the nature of the known skarn mineralization.

In 2015, a nine hole, 3227 m diamond drill program was completed at the Hopper property. The first hole was collared on June 19 and the last hole was completed on August 17, 2015. The work was contracted to Beaudoin Diamond Drilling Ltd. of Courtenay, B.C., and was done with a skid-mounted, diesel-powered JKS-300 drill using BTW equipment.

The 2015 drill program was designed to: 1) enlarge the area of copper-gold skarn mineralization in the Hopkins South Zone; 2) test for deeper, more gold-rich skarn horizons within Hopkins South Zone; 3) test skarns in the Hopkins North Zone; and 4) confirm the presence of porphyry-style mineralization within and near the Hopper Pluton.

Figures 13 to 17 illustrate historical and 2015 drill collar locations and cross-sections showing lithologies and results. Certificates of Analyses are provided in Appendix III, while Geological and Geotechnical Logs are given in Appendix V. Key data concerning the 2011 and 2015 drill holes are listed in Table XI.

Table XI – 2011 and 2015 Diamond Drill Hole Data

Hole	Easting (m)	Northing (m)	Elevation (m)	Azimuth (º)	Dip Angle (º)	Length (m)
DDH-11-01	397455	6794600	1179	250	-70	175.87
DDH-11-02	397450	6794650	1189	250	-70	160.63
DDH-11-03	397497	6794708	1200	250	-70	224.63
DDH-11-04	397618	6794768	1195	250	-70	258.16
DDH-11-05	397297	6794790	1244	250	-70	192.02
DDH-11-06	397710	6795100	1270	250	-70	297.78
DDH-15-01	397113	6795109	1235	270	-70	445.31
DDH-15-02	379355	6795484	1296	270	-60	326.14
DDH-15-03	397351	6795655	1326	270	-60	288.95
DDH-15-04	397215	6795611	1283	270	-60	501.70
DDH-15-05	397405	6797407	1362	90	-50	432.81
DDH-15-06	397127	6797527	1377	270	-70	399.29
DDH-15-07	397317	6795108	1269	270	-70	465.12
DDH-15-08*	397297	6794790	1244	250	-70	402.34
DDH-15-09°	397618	6794768	1195	250	-70	415.14

*Continuation of drill hole DDH-15-05
°Continuation of drill hole DDH-15-04

The 2015 holes were selectively sampled, based on visible mineralization. Drill core samples were processed in 36 sample batches with each batch including two standard, two 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 dissolved in a four acid solution and analyzed for 48 elements using inductively coupled plasma-mass spectroscopy and inductively coupled plasma-atomic emission spectroscopy techniques (ME-MS61). An additional 30 g charge was further analyzed for gold by fire assay with inductively coupled plasma-atomic emission spectroscopy finish (Au-ICP21). Over limit copper values were determined using aqua regia digestion with inductively coupled plasma and either atomic emission spectroscopy or atomic absorption spectroscopy (Cu-OG46).

All of the 2015 holes were drilled at azimuths of 250° or 270° at fairly steep angles to test the shallow, easterly-dipping skarn horizons, except for DDH-15-05 (Azm: 90° and Dip: -50°), which tested beneath the best percussion drill hole from 2011 (See Reverse Circulation Percussion Drilling Section – PDH-11-39). All holes intersected stacked mineralized skarn horizons. The main copper-gold skarn horizons intersected at Hopkins South Zone were traced over a 1000 strike length and 460 m down dip of surface. Deeper, gold-rich skarns were intersected in DDH-15-01 and DDH-15-08. All of the skarn horizons remain open to extension. DDH-15-04 and DDH-15-05 intersected skarns and also cut porphyry-style mineralization within intrusive rocks and adjacent metasediments.

Observations regarding sulphide/oxide mineralogy within skarns are consistent with historical descriptions (see Historical Diamond Drilling sub-section). The best 2011 and 2015 drill intersections are listed in Table XII.

Table XII – 2011 and 2015 Diamond Drilling Assay Highlights

Hole	From (m)	To (m)	Interval * (m)	Copper (%)	Gold (g/t)	Silver (g/t)	Molybdenum (ppm)
DDH-11-01	2.95	16.65	13.70	0.41	0.25	3.84	8.83
Including	9.69	12.02	2.33	1.24	0.87	12.95	2.18
	125.67	142.60	16.93	0.22	1.76	1.75	0.79
Including	125.67	133.17	7.50	0.43	3.35	3.55	1.34
Including	125.67	127.67	2.00	0.01	9.44	1.04	2.86
DDH-11-02	28.01	30.45	2.44	0.52	0.72	4.15	27.32
	36.58	39.25	2.67	1.18	0.56	11.62	4.15
DDH-11-03	58.28	66.78	8.50	1.62	0.54	9.30	1.48
	88.28	90.70	2.42	1.87	0.64	17.74	1.84
	130.00	132.45	2.45	0.72	0.18	6.79	3.48
DDH-11-04	57.39	62.53	5.15	0.95	0.84	5.64	1.54
	174.86	182.87	8.01	1.58	0.84	14.82	43.36
DDH-11-05	126.93	128.05	1.12	0.46	1.83	1.74	7.69
DDH-11-06	131.80	136.80	5.00	0.50	0.29	2.35	5.34
	276.35	278.01	1.66	0.68	0.40	5.21	2.49
	279.10	282.93	3.83	1.05	0.85	21.44	77.96
DDH-15-01	90.59	92.26	1.67	0.57	0.12	4.44	0.31
	284.29	286.94	2.65	0.95	12.15	5.45	3.24
DDH-15-02	82.07	91.09	9.02	0.24	0.12	1.55	32.15
	113.13	128.14	15.01	0.50	0.50	1.64	3.59
incl.	121.70	128.14	6.44	1.00	1.01	3.86	3.99
	136.60	138.60	2.00	0.70	0.14	4.44	2.11
	150.85	151.85	1.00	0.45	1.00	2.08	5.54

	204.90	205.90	1.00	0.79	0.723	4.24	3.78
DDH-15-03	26.92	28.91	1.99	0.31	0.11	1.37	80.70
	125.3	128.29	2.99	0.28	0.34	1.65	135.00
	266.61	276.15	9.54	0.35	1.01	1.79	45.43
DDH-15-04	39.09	52.10	13.01	0.41	0.33	1.70	6.53
	196.97	211.40	14.43	0.60	1.11	2.86	183.88
	202.52	207.44	4.48	1.03	2.40	3.98	253.12
	325.24	498.91	173.67	0.01	0.00	0.09	157.57
DDH-15-05	113.88	276.73	162.85	0.17	0.02	2.08	34.26
incl.	149.74	150.74	1.00	5.00	0.26	17.10	2730.00
and incl.	275.73	276.73	1.00	2.40	0.06	17.45	61.30
DDH-15-06	79.14	84.25	5.11	0.32	0.00	4.35	8.41
	110.73	112.15	1.42	0.36	0.02	4.08	3.44
	186.23	188.98	2.75	0.78	0.03	3.68	63.96
DDH-15-07	48.07	58.64	10.57	0.49	0.20	3.32	6.91
incl.	54.07	55.64	1.57	1.39	0.65	9.28	23.80
	60.96	70.42	9.46	0.12	0.01	2.21	3172.00
	349.17	351.98	2.81	1.25	0.08	0.23	1.76
	369.35	370.71	1.36	0.46	0.29	1.56	2.57
DDH-15-08°	336.66	337.66	1.00	0.06	43.6	1.07	53.30
	341.49	342.63	1.14	0.31	0.20	1.91	45.40
DDH-15-09°	339.33	340.33	1.00	0.67	0.17	3.93	83.70

* Interval represents the downhole intersection length and true widths are estimated to be approximately 80-90% of the interval.

°Re-entered and deepened holes DDH-11-05 and 04, respectively.

The upper mineralized horizons in the Hopkins South Zone (JG and Discovery showings) are characterized by copper-gold ratios between 1:0.5 and 1:1 with thicknesses ranging from 3 to 15 m. The deeper skarn horizons have higher gold to copper ratio, with elevated bismuth and tellurium. They range between 1 and 7 m thick.

The highest gold assays are 9.44 g/t over 2.00 m, 12.95 g/t over 2.65 m and 43.00 g/t over 1.00 m in DDH-11-01, DDH-15-01 and DDH-15-08 , respectively. The gold-rich skarns in these holes consist of: epidote-garnet skarn with thin chlorite bands; pyroxene and semi-massive magnetite (magnetite retrograding to hematite); and pyroxene-diopside-pyrrhotite, respectively. Most gold-rich intervals are spatially associated with late-stage dykes, which may be responsible for localizing gold mineralization; however, similar dykes cut the upper skarn horizons, without notable gold-enrichment.

Porphyry-style mineralization was intersected in drill holes DDH-15-04 and -05 on the south and north flanks of the Hopper Pluton, respectively. DDH-15-04 cut an intense dyke swarm within granodiorite in the bottom of the hole. The interval exhibits pervasive phyllic alteration, disseminated and fracture-hosted chalcopyrite and molybdenite, and B- (molybdenite veins with K-feldspar selvages) and D-veins (quartz-carbonate veins hosting blebby chalcopyrite± molybdenite with sericite altered halos). The interval averaged 158 ppm molybdenum over 173.67 m and bottomed in mineralization. DDH-15-05 was originally designed to test a chargeability anomaly within the intrusion; however, wet ground conditions prevented access to the proposed target and it had to be drilled further west through the metasedimentary package towards the intrusive contact to the east. A 162.85 m interval of propylitic and phyllic altered monzonite graded 0.17% copper. This interval includes a 30 m wide strongly oxidized fault zone consisting of quartz±carbonate breccia and gougy monzonite with intermittent centimetre-scale chalcopyrite and pyrite-rich breccias. A high grade interval from this fault zone grade 5.00% copper, 0.257 g/t gold, 17.10 g/t silver and 2730 ppm molybdenum over 1 m.

REVERSE CIRCULATION PERCUSSION DRILLING

HISTORICAL PERCUSSION DRILLING

In 1980, a total of 2490.2 m of percussion drilling was performed in 46 vertical holes. The percussion holes were all drilled within the Hopkins South Zone, in the same general areas as the historical diamond drill holes (Figure 3 – locations are approximate due to the poor quality of historical maps). Samples from the percussion holes were only analyzed for copper.

Of the 46 holes that were drilled, only parts of 20 holes were sampled. Of these, all but five yielded at least one interval with elevated copper values. Nine of the 46 holes were drilled entirely within dyke material and were not sampled. Old reports did not explain why the remaining 17 holes were not sampled, but some appear to have been abandoned and re-drilled. Drill hole data and the best intervals from this work are provided in Table XIII (Ashton, 1981).

Table XIII – 1980 Percussion Hole Data and Results

Hole	Azimuth (º)	Dip Angle (º)	Depth (m)	Significant Results
PH-1	-	-90	40	1.52% Cu over 18.3 m from 21.3 to 39.6 m
PH-1a	-	-90	15	NA
PH-2	-	-90	18	Dyke, NA
PH-3	-	-90	52	Dyke, NA
PH-4	-	-90	37	Dyke, NA
PH-5	-	-90	61	0.23% Cu over 3.0 m from 42.7 to 45.7 m
PH-6	-	-90	9	NA
PH-6a	-	-90	76	< 0.1% Cu
PH-7	-	-90	12	< 0.1% Cu
PH-7a	-	-90	76	NA
PH-8	-	-90	61	< 0.1% Cu
PH-9	-	-90	61	< 0.1% Cu
PH-10	-	-90	61	0.16% Cu over 3.0 m from 12.2 to 15.2 m 0.24% Cu over 15.2 m from 21.3 to 36.6 m
PH-11	-	-90	82	NA
PH-12	-	-90	82	NA
PH-13	-	-90	85	NA
PH-14	-	-90	55	NA
PH-15	-	-90	40	NA

PH-16	-	-90	82	Dyke, NA
PH-17	-	-90	61	0.61% Cu over 15.3 m from 33.5 to 48.8 m
PH-18	-	-90	82	0.73% Cu over 21.3 m from 48.8 to 70.1 m
PH-18a	-	-90	15	Dyke, NA
PH-18b	-	-90	15	Dyke, NA
PH-19	-	-90	85	NA
PH-20	-	-90	15	Dyke, NA
PH-21	-	-90	15	Dyke, NA
PH-22	-	-90	27	NA
PH-23	-	-90	15	Dyke, NA
PH-24	-	-90	73	0.60% Cu over 6.1 m from 45.7 to 51.8 m
PH-25	-	-90	64	0.29% Cu over 3.0 m from 51.8 to 54.8 m
PH-26	-	-90	61	NA
PH-27	-	-90	67	0.21% Cu over 6.1 m from 39.6 to 45.7 m
PH-28	-	-90	85	< 0.1% Cu
PH-29	-	-90	85	NA
PH-30	-	-90	79	NA
PH-31	-	-90	58	0.10% Cu over 3.1 m from 27.4 to 30.5
PH-32	-	-90	76	0.61% Cu over 9.2 m from 39.6 to 48.8 m
PH-33	-	-90	52	NA
PH-34	-	-90	67	0.20% Cu over 6.1 m from 42.7 to 48.8 m
PH-35	-	-90	73	NA
PH-36a	-	-90	49	1.49% Cu over 3.0 m from 42.7 to 45.7 m
PH-37	-	-90	27	NA
PH-38	-	-90	61	0.66% Cu over 21.3 m from 36.6 to 57.9 m
PH-39	-	-90	61	1.44% Cu over 9.2 m from 45.7 to 54.9 m
PH-40	-	-90	64	0.84% Cu over 6.1 m from 57.9 to 64.0 m
PH-41	-	-90	49	NA

NA = Not analyzed

2011 PERCUSSION DRILLING

The 2011 reverse circulation percussion drill program was designed to identify near surface areas with potential for copper-gold porphyry mineralization within and adjacent to the Hopkins North Zone. Surface showings and geochemical anomalies were discovered in this area by previous operators, but they were never drill tested. A total of 1729.74 m was drilled in 58 vertical holes, which were mostly spaced 200 m apart and typically tested to depths between 30 to 61 m below surface. The holes are located along seven parallel section lines oriented due north. The work was contracted to Thorman Drilling Ltd. of Nelson, B.C., and was done with a self-propelled, track-mounted reverse circulation drill. The drill was operated by a three person crew on a single 12 hour per day shift.

All holes were sampled continuously from top to bottom. Pulverized cuttings from the holes were automatically split at the collar, resulting in samples containing 12.5% of the cuttings from each 1.52 m interval. The entire sample was sent for analysis, and representative chips from intervals were collected for logging purposes. Key data concerning the 2011 drill holes are listed in Table XIV.

Table XIV – 2011 Percussion Drill Hole Data

Hole	Easting (m)	Northing (m)	Elevation (m)	Azimuth (º)	Dip Angle (º)	Length (m)
PDH-11-01	397303	6795300	1280	-	-90	30.48
PDH-11-02	397301	6795501	1312	-	-90	32.00
PDH-11-03	397299	6795700	1308	-	-90	30.48
PDH-11-04	397298	6795899	1325	-	-90	19.81
PDH-11-05	397303	6796101	1356	-	-90	22.86
PDH-11-06	397302	6796301	1374	-	-90	16.76
PDH-11-07	397312	6796496	1371	-	-90	30.48
PDH-11-08	397301	6796701	1366	-	-90	15.24
PDH-11-09	397298	6796900	1358	-	-90	16.76
PDH-11-10	397297	6797099	1357	-	-90	25.91
PDH-11-11	397299	6797301	1355	-	-90	30.48
PDH-11-12	397304	6797502	1350	-	-90	39.62
PDH-11-13	397298	6797699	1341	-	-90	36.58
PDH-11-14	397302	6797900	1329	-	-90	30.48
PDH-11-15	397102	6797905	1330	-	-90	50.29
PDH-11-16	397101	6797699	1341	-	-90	35.05
PDH-11-17	397132	6797503	1386	-	-90	38.10
PDH-11-18	397099	6797290	1374	-	-90	42.67
PDH-11-19	397094	6797103	1371	-	-90	33.53
PDH-11-20	397104	6796898	1353	-	-90	41.15
PDH-11-21	396912	6796695	1335	-	-90	48.77
PDH-11-22	396937	6796905	1341	-	-90	60.96
PDH-11-23	396922	6797063	1332	-	-90	60.96
PDH-11-24	397098	6796698	1343	-	-90	24.38
PDH-11-25	397097	6796501	1342	-	-90	19.81
PDH-11-26	397097	6796298	1352	-	-90	21.34
PDH-11-27	397105	6796097	1338	-	-90	28.96
PDH-11-28	397502	6795099	1280	-	-90	24.38
PDH-11-29	397503	6795301	1289	-	-90	24.38
PDH-11-30	397498	6795502	1301	-	-90	18.29
PDH-11-31	397502	6795699	1313	-	-90	21.34
PDH-11-32	397498	6795904	1314	-	-90	19.81
PDH-11-33	397500	6796104	1342	-	-90	18.29
PDH-11-34	397498	6796302	1365	-	-90	21.34
PDH-11-35	397502	6796504	1371	-	-90	18.29
PDH-11-36	397501	6796703	1365	-	-90	21.34
PDH-11-37	397502	6796901	1353	-	-90	18.29

PDH-11-38	397504	6797102	1341	-	-90	30.48
PDH-11-39	397502	6797304	1345	-	-90	39.62
PDH-11-40	397501	6797503	1347	-	-90	30.48
PDH-11-41	397499	6797702	1340	-	-90	22.86
PDH-11-42	397702	6797704	1338	-	-90	30.48
PDH-11-43	397699	6797502	1341	-	-90	30.48
PDH-11-44	397902	6797504	1371	-	-90	30.48
PDH-11-45	398102	6797501	1402	-	-90	30.48
PDH-11-46	398099	6797302	1435	-	-90	30.48
PDH-11-47	398102	6797101	1432	-	-90	30.48
PDH-11-48	397703	6797104	1389	-	-90	30.48
PDH-11-49	397699	6796903	1400	-	-90	30.48
PDH-11-50	397702	6796704	1375	-	-90	30.48
PDH-11-51	397699	6796500	1347	-	-90	30.48
PDH-11-52	397698	6796302	1356	-	-90	30.48
PDH-11-53	397703	6796102	1347	-	-90	30.48
PDH-11-54	397702	6795901	1325	-	-90	30.48
PDH-11-55	397701	6795702	1303	-	-90	30.48
PDH-11-56	397698	6795499	1310	-	-90	30.48
PDH-11-57	397701	6795302	1295	-	-90	30.48
PDH-11-58	397702	6795104	1278	-	-90	30.48

Chip samples from all of the 2011 percussion drill holes were examined under a hand lens and later an optical microscope. The chips comprise metasedimentary units (primarily quartz-biotite schist and phyllitic quartzite), skarn horizons (including diopside, epidote and actinolite with trace to minor pyrite and chalcopyrite) and intrusive units (weakly to moderately argillic and propylitic altered, magnetic granodiorite and minor diorite). The observed lithologies within the percussion holes generally support surface geological mapping.

Most of the holes returned background values or sporadic, short intervals of weakly elevated copper, gold and/or silver values. Six holes in the northern part of the percussion drill area yielded moderately to strongly anomalous intervals. These holes largely fall within the area of known surface mineralization within the Hopkins North Zone. The elevated values were obtained from weakly mineralized phyllitic quartzite (PDH-11-13 and -17); weakly magnetite-, pyrite- and chalcopyrite-bearing skarn (PDH-11-17); and weakly altered granodiorite with trace pyrite ± chalcopyrite (PDH-11-19, -23, -39 and -47). The best intervals from these holes are provided in Table XV.

Table XV – 2011 Percussion Drilling Assay Highlights

Hole	From (m)	To (m)	Interval (m)	Copper (%)	Gold (g/t)	Silver (g/t)
PDH-11-13	33.53	EOH	3.05	0.54	0.278	3.85
PDH-11-17	21.34	EOH	16.76	0.16	0.009	1.27
PDH-11-19	19.81	28.96	9.15	0.36	0.007	2.32
PDH-11-23	42.67	44.20	1.53	0.33	0.005	0.70
PDH-11-39	0	EOH	39.62	0.24	0.055	1.37
Including	28.96	EOH	10.66	0.70	0.195	4.10
PDH-11-47	0	7.62	7.62	0.18	0.018	2.04

*Interval represents the downhole intersection length and true widths are unknown at this time.

Four of the holes listed in Table XV bottomed in mineralization. Two additional holes (PDH-11-45 and -46) in the northern part of the drill area bottomed in weak mineralization (0.10% Cu over 1.52 m in both holes, with background gold and silver).

One or more samples from all percussion holes drilled within the molybdenum-in-soil anomaly near the southern contact between the Hopper Pluton and metasediments (PDH-11-02, -03, -31, -32 and -55) yielded elevated molybdenum. The best interval averaged 93.6 ppm molybdenum over 10.67 m between 15.24 and 25.91 m in PDH-11-03.

HAND TRENCHING

In 2014, 11 hand trenches were dug on the Hopper property in, or along strike of, areas where skarn mineralization has previously been identified (Figure 8). A total of 83 chip samples were collected from the trenches.

In 2015, TR-14-11 was extended 6.5 and 26 m to the east and west, respectively. A 4.5 m section from the eastern part of the trench and an 8 m interval within the western extension of the trench did not reach bedrock. The trench was continuously chip sampled across all exposed bedrock. A cross-section of TR-14-11 is shown on Figure 18. Results from this sampling are described in the following paragraphs. The chip samples were processed using the same preparation and analytical techniques described above for rock samples in the Mineralization section. Certificates of Analysis are located in Appendix III and Table XVI below provides details for each trench.

Table XVI – 2014 and 2015 Hand Trenching Details

Target	Trench ID	Easting	Northing	Length (m)	Samples
LV Zone	TR-14-01	396952	6795099	2.4	M898208-M898212
		396956	6795105		
LV Zone	TR-14-02	396947	6795091	16.15	M898201-M898207
		396960	6795092		
LV Zone	TR-14-03	396947	6795074	20.6	M898213-M898219

		396956	6795078		
LV Zone	TR-14-04	396948	6795058	17.5	M898239-M898244
		396962	6795062		
LV Zone	TR-14-05	396949	6795043	13	M898245-M898248
		396960	6795038		
LV Zone	TR-14-06	396948	6795005	19	M898249-M898259
		396965	6795006		
Molybdenum Vein	TR-14-07	397144	6795765	6.5	M898229-M898232
		397138	6795765		
Molybdenum Vein	TR-14-08	397127	6795749	6	M898233-M898235
		397121	6795753		
Exoskarn north of JG Zone	TR-14-09	397115	6795665	24	M898236-M898264
		397095	6795657		
Exoskarn north of JG Zone	TR-14-10	397137	6795650	40	M898265-M898277
		397101	6795642		
West of Hopkins North Zone	TR-14-11	396480	6797451	65.3	M898294-M898299, M896201-M896209, R608419-R608426, R608433
		396400	6797433		

Six trenches were excavated at the LV Showing along a 110 m strike length. This trenching was challenging because of large trees, thick vegetation and frozen organics; however, at least part of the showing was exposed and sampled in each trench. The sample length was sometimes determined by physical barriers (vegetation, frozen organics, etc.) and not geology. The best intervals from each of the six trenches were: 0.22% copper, 3.63 g/t gold and 1.81 g/t silver over 2.4 m (TR-14-01); 0.05% copper, 1.64 g/t gold and 0.84 g/t silver over 16.15 m (TR-14-02); 0.13% copper, 1.63 g/t gold and 1.31 g/t silver over 2.9 m (TR-14-03); 0.01% copper, 0.11 g/t gold and 0.06 g/t silver over 2.5 m (TR-14-04); 0.18% copper, 0.083 g/t gold and 0.29 g/t silver over 4 m (Tr-14-05); and, 0.13% copper, 0.712 g/t gold and 4.28 g/t silver over 1.5 m (TR-14-06).

Two trenches (TR-14-07 and TR-14-08) were completed within the Hopper Pluton near its southern contact with the Snow Cap Assemblage metasedimentary package. These trenches tested molybdenum-bearing quartz veins. A 1.0 m chip sample across a molybdenum-rich quartz vein in TR-14-07 returned 8670 ppm molybdenum with low values for gold, silver and copper, while a 2.5 m chip sample of decomposed granodiorite and gouge in TR-14-08 returned 242 ppm molybdenum and 0.20% copper with low gold and silver values.

Trenches TR-14-09 and TR-14-10 lie about 40 m apart within the metasedimentary package about 30 m south of the Hopper Pluton contact. TR-14-09 returned 0.56% copper, 1.571 g/t gold and 3.35 g/t silver over 19 m (true width is approximately 4.9 m), while TR-14-10 yielded 0.36% copper, 0.767 g/t gold and 2.18 g/t silver over 37 m (true width is about 9.6 m). The mineralized intervals remain open to extension at both ends of both trenches and along strike.

TR-14-11 was dug across a knoll that lies in the lowlands, on the western edge of the Hopper North Zone. This trench tested a large screen/xenolith comprised of alternating vertical bands of mineralized diopside skarn and quartz-carbonate veining. Sampling across a 51.3 m length of the trench averaged 0.43% copper, 0.06 g/t gold and 1.83 g/t silver. Due to the vertical orientation of the beds, sampled thickness approximately equals true thickness.

GEOPHYSICAL SURVEYS

In 2007, Strategic Metals contracted Geotech Ltd. of Aurora, Ontario to fly VTEM and magnetic surveys across a 6000 by 6000 m grid in the central part of the current Hopper property, and in late 2011 Bonaparte contracted Geotech Ltd. to expand the VTEM and magnetic surveys. Combined, the 2007 and 2011 surveys cover a 110 km^2 area. In December 2012, Condor Consulting was commissioned to perform detailed processing, interpretation and analysis of the entire data set.

The magnetic data from both surveys was reduced to pole and filtered in preparation for interpretation. Figure 19 illustrates Total Magnetic Intensity (TMI). The EM data was more difficult to interpret due to the fact that different transmitter pulse lengths and channels were used during the 2007 and 2011 surveys. This discrepancy meant that the data sets could not be directly merged; however, Condor Consulting was able to find ‘medium-late’ channels from both surveys (1151 µs and 1161 µs) that averaged 1156 µs and were considered close enough to merge (Irvine and Woodhead, 2013). Figure 20 shows the EM response.

The TMI data roughly outlines the Hopper Pluton as a 3000 by 6000 m, west-northwesterly elongated, very strong magnetic high. North of the pluton, the magnetic signature is subdued with the exception of two small moderate highs, which may represent buried plugs. South of the pluton, the magnetic signature is more complex. The Hopkins South Zone has a strong magnetic signature that blends into the main Hopper Pluton magnetic anomaly. Southeast of the Hopkins South Zone, there are two small circular magnetic highs that are thought to be intrusive plugs. A number of linear northwesterly-trending moderate magnetic highs lie south of the pluton. These features likely represent magnetite-rich horizons within the metasedimentary package.

The Hopper Pluton exhibits low EM response, but it is flanked by a number of well-defined north-northwesterly trending large-scale conductors. In most cases these large-scale EM features are associated with single and/or double peak responses identified by Condor Consulting that are thought to be related to stratigraphy and not mineralization. There are three strong, irregularly shaped conductors on the south side of the Hopper Pluton. The drilled area at the Hopkins South Zone underlies one of these conductors, which features a strong double peak response and numerous weaker single and double peak responses. The other two irregularly shaped EM conductors lie two and four kilometres east of this zone and exhibit similar signatures.

About two kilometres south of the Hopkins South Zone, there is a strong linear EM anomaly with a subtle moderate conductor immediately to its west. This target is considered to be highly prospective for skarn mineralization.

In 2014, SJ Geophysics Ltd. conducted a Volterra Distributed Acquisition System 3D IP survey over the central part of the Hopper plateau. A total of 21 line kilometres was completed on seven 3000 m lines spaced 400 m apart. The survey lines were oriented at 000°, the cross-dipoles were spaced every 400 m along receiver lines and the stations were positioned every 100 m (inline) and 250 m (diamond). There were four transceiver lines and three receiver lines. The SJ Geophysical crew collected survey location information using handheld Garmin GPSMAP 62s units in UTM projection NAD 83, Zone 8N.

The distributed nature of the Volterra 3D IP system allows for highly customizable array and survey configurations. The 3D IP is superior to 2D IP because it allows current injections to be performed sequentially at fixed increments (25, 50, 100 or 200 m) along current lines. By injecting current at multiple locations along the current lines adjacent to receiver arrays, data acquisition rates are significantly improved over conventional surveys. Additionally, the cross-line receiver dipoles are used to increase near-surface resolution (Chen, 2014). Figures 21 and 22 illustrate thematic copper-in-soil geochemistry underlain by chargeability and resistivity at 150 m depth.

PETROGRAPHIC STUDIES

Eight hand specimen samples from the Hopper property were sent to Vancouver Petrographics Ltd. for examination in July 2014. Two specimens of each of the four intrusive phases identified during 2014 mapping were submitted for analysis. According to Vancouver Petrographics' report, the four rock types present are granodiorite, gabbro, monzonite and quartz monzonite (Colombo, 2014). Descriptions of individual samples are provided in Table XVII.

Table XVII – Hopper Pluton Intrusive Suites

Suite (in order of abundance)	Magnetic Susceptibility ($x10^{-8}$ SI Units)	Mineral Assemblage	Alteration	Location (Easting, Northing)
Granodiorite (78.5±0.03 Ma)	16.1 to 22.8	Subhedral plagioclase, quartz, potassium feldspar, lesser biotite and amphibole	Weak chlorite, epidote, actinolite and white clay/mica.	397138, 6795769
Gabbro	12.6 to 14.4	Euhedral plagioclase with interstitial spaces occupied by biotite, amphibole and magnetite. Minor hornblende overprinting	Hornblende and actinolite. Minor potassium feldspar alteration in foliation sub-parallel veinlets.	397551, 6797226
Monzonite	3.67 to 7.47	Plagioclase, hornblende, biotite, magnetite, potassium feldspar and lesser quartz.	Plagioclase replaced by clay and calcite.	396888, 6797336
Quartz-Monzonite	26.6 to 28.0	Plagioclase, potassium feldspar, quartz.	Clay, chlorite, epidote and	396199, 6797506

			actinolite.	

METALURGICAL TESTWORK

Preliminary metallurgical testwork was conducted on 10 coarse assay reject samples of core comprising mineralized skarn. These samples were sent to Blue Coast Research metallurgical testwork facility, where they were combined into a single Master Composite. The metallurgical flowsheet development focused on conventional froth flotation followed by cyanidation of the flotation tails as means to increase overall gold recovery.

The Master Composite assayed 0.86% copper and 1.02 g/t gold and produced a copper concentrate grading 29% copper and 26 g/t gold with recoveries of 84% and 49%, respectively. A 24 hour bottle roll test of the combined flotation tailings yielded an additional recovery of about 32%, which suggests that cyanidation of the flotation tails may be an economically viable option of increasing overall gold recovery to 76% (44.5% gold recovery to flotation concentrate and an additional 31.5% from cyanidation of the flotation tails) – Middleditch, 2016.

Preliminary magnetic separation testwork produced a magnetic concentrate grading 50% iron with a recovery of 73%. Although 50% iron grade is sub-economic, the flowsheet used in this preliminary test was relatively simple and may be upgraded with a more robust flowsheet design.

Appendix VI contains Blue Coast's report describing the preliminary metallurgical testwork.

DEPOSIT MODEL

The Hopper property lies at the southern end of the Dawson Range Gold Belt (DRGB) and 120 km west-northwest of the Whitehorse Copper Belt (WCB). The DRGB encompasses several significant precious metal enriched, porphyry and vein deposits (including Casino, Coffee, Nucleus/Revenue and Mt. Nansen/Klaza), while the WCB hosts numerous copper±gold±silver skarn deposits, some of which have been successfully mined. The porphyry-style mineralization at the Hopper property may be analogous to Western Copper and Gold Corporation's Casino Deposit, which is located 190 km to the north-northwest. The Casino Deposit hosts gold-copper-molybdenum porphyry-style mineralization and has a measured and indicated mineral reserve of 946 million tonnes (with a copper equivalent cut-off of 0.30%) of 0.21% copper, 0.25 g/t gold, 0.024% molybdenum and 1.77 g/t silver (Corman, 2010).

Age dating of the Hopper Pluton performed by Blumenthal (2010) and Israel (2015) returned Late Cretaceous ages that place it in the same metallogenic episode as the Patton Porphyry, the mineralizing pluton at the Casino property. Geology on the Casino property consists of granitic rocks of the Mid Cretaceous Whitehorse Suite, which has been intruded by the Patton Porphyry. Mineralization found at the Casino Deposit occurs in fractures and breccia pipes. The deposit area is unglaciated so the mineralization is deeply weathered. Ore grade values are reported within leached cap, supergene oxide, supergene sulphide and hypogene zones.

Skarn mineralization at the Hopper property is similar to skarn deposits that were mined in the WCB. Skarns within the WCB were developed during the emplacement of the Early to Mid-

Cretaceous Whitehorse Batholith. The WCB encompasses a 30 km long trend that hosts several copper-rich skarn deposits that have collectively produced more than 10 million tonnes grading 1.5% copper with significant gold and silver credits (Watson, 1984).

DISCUSSION AND CONCLUSIONS

The Hopper property covers an extensive system of copper±gold±silver±molybdenum mineralization, which is favourably situated in an area with excellent infrastructure at the southern end of a belt of important gold and copper-gold deposits. Isotopic dating of the Hopper Pluton indicates that it is the same age as the mineralizing pluton at the Casino Deposit, the largest deposit recognized to date within this belt.

Geological mapping has identified four phases within the bounds of the Hopper Pluton. Multi-phase or multi-pulse intrusive bodies create favourable formational environments for porphyry style mineralization and thus, future work should attempt to determine the distribution of the different phases and their cross-cutting relationships.

Diamond drilling conducted in 2015 at Hopkins South Zone expanded known skarn mineralization over a 1000 strike length and up to 460 m down dip of surface. The program identified two main types of skarn mineralization, an upper package with copper and gold, and a deeper package that is more gold-rich.

Diamond drilling performed at Hopkins North Zone intersected porphyry-style mineralization with encouraging grades (0.17% copper over 162.85 m) as well as favourable skarn stratigraphy within the northern stratigraphic package.

Future work on the Hopper property should continue to evaluate the Hopkins North and South zones and test other undrilled areas where anomalous geochemical or geophysical results have been obtained. Besides drilling, future work programs should include additional soil sampling, continued geological mapping, prospecting, hand trenching and 3D magnetic inversion interpretation.

Soil sampling should be performed on a low priority basis in the northern and eastern parts of the property where soil sample coverage is low. Geological mapping, prospecting and hand trenching should be done in the northern and eastern parts of the property where coincident soil geochemical and chargeability anomalies have been identified.

The 3D magnetic inversion interpretation completed by Condor in 2013 should be revisited to include new geochemical, geophysical and geological data, which provides a further understanding of the main structures likely facilitating emplacement of a porphyry centre. Once the interpretation is complete, it should be superimposed with the chargeability anomalies to determine if they are associated with a porphyry core (both magnetic and chargeability highs) or pyrite halo (magnetic low and chargeability high).

Diamond drilling should test a number of targets on the property. Closely spaced diamond drilling should focus on areas with higher grade gold-copper skarn mineralization at Hopkins

South Zone to determine the extent of mineralization and assess the controls (dykes?) for localizing ore. A few deep holes collared below the western escarpment at Hopkins South and North zones should be done to explore for prospective horizons deeper in the stratigraphic section, including the area of mineralized screens and xenoliths exposed in trench TR-11-14. Some holes should also evaluate porphyry copper potential, especially in areas with coincident magnetic and chargeability highs and/or within a favourable structural setting.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Mitchell, B.Sc. GIT

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Andrew Mitchell, geoscientist in training, 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 2010 with a B.Sc. in Earth and Environmental Sciences.

2. From 2010 to present, I have been actively engaged in mineral exploration in Yukon Territory.

3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia.

4. I have personally participated in the fieldwork reported herein and have interpreted all data resulting from this work.

A. Mitchell

A. Mitchell, B.Sc. GIT

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
Gal 1-8, Guy 1-16, Hopper 1-168 and 170-342 Mineral Claims
January 8, 2016

Contract Diamond Drilling

Beaudoin Diamond Drilling Ltd.	$270,805.06

1,186 drill core samples at $270,805.06 = 228.33/sample

APPENDIX III

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 26-JUL-2014
Account: MTT

CERTIFICATE VA14108197

Project: Hopper

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 14-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2014
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS VA14108197

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01
Intrusive 1		0.40	67.6	15.45	3.57	3.65	1.75	4.19	3.26	0.01	0.37	0.06	0.13	0.07	0.20	1.44
Intrusive 2		1.04	53.5	18.10	8.36	6.78	4.21	4.05	2.71	<0.01	0.87	0.10	0.49	0.15	0.16	1.76
Intrusive 3		0.36	64.0	12.90	3.57	5.35	2.31	1.01	2.51	0.01	0.31	0.06	0.11	0.05	0.10	9.69
Intrusive 4		0.18	57.8	15.30	6.42	6.00	4.09	3.88	1.78	0.03	0.72	0.10	0.34	0.06	0.10	3.66

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

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2014
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS VA14108197

Sample Description	Method Analyte Units LOR	TOT-ICP06 Total % 0.01
Intrusive 1		101.75
Intrusive 2		101.24
Intrusive 3		101.98
Intrusive 4		100.28

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

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VANCOUVER BC V6B 1L8

Finalized Date: 26-JUL-2014
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS VA14108197

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:				
	CRU-31	LOG-22	ME-ICP06	OA-GRA05
	PUL-31	SPL-21	TOT-ICP06	WEI-21

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

CERTIFICATE WH14092126

Project: HOPPER

This report is for 20 Rock samples submitted to our lab in Whitehorse, YT, Canada on 17-JUN-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14092126

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M898201		1.06	<0.001	0.05	0.90	3.5	<0.2	<10	40	0.22	0.18	1.28	0.08	14.10	2.1	5
M898202		1.29	0.002	0.05	1.10	1.7	<0.2	<10	40	0.22	0.22	3.88	0.02	10.90	2.8	6
M898203		4.64	0.698	0.71	0.25	5.6	0.6	<10	<10	<0.05	20.1	2.04	0.09	1.66	16.2	2
M898204		3.52	4.73	1.24	0.52	30.3	4.1	<10	20	0.17	94.9	0.71	0.14	5.23	16.4	52
M898205		1.32	0.026	0.06	1.73	2.9	<0.2	<10	40	0.18	0.77	1.32	0.21	8.39	11.7	111
M898206		2.06	0.874	0.72	0.23	3.8	0.8	<10	10	<0.05	13.50	1.15	0.06	1.46	7.0	12
M898207		1.85	1.830	1.33	0.14	5.8	1.5	<10	10	0.05	48.7	0.71	0.06	3.11	12.4	3
M898208		3.44	0.144	0.86	0.31	6.3	<0.2	<10	30	<0.05	7.08	1.92	0.06	22.4	10.3	3
M898209		2.40	0.020	0.18	0.56	2.4	<0.2	<10	50	0.06	0.70	1.09	0.09	9.09	4.7	2
M898210		1.70	0.544	1.58	0.02	26.4	0.5	10	10	<0.05	15.25	0.54	0.07	0.46	28.7	1
M898211		4.23	5.32	1.93	0.09	6.4	5.0	<10	20	0.08	73.9	0.87	0.27	0.46	37.9	2
M898212		2.79	0.036	0.28	0.48	7.2	<0.2	<10	40	0.17	1.14	1.08	0.14	7.04	10.4	3
M898213		1.56	0.015	0.15	1.65	14.3	<0.2	<10	90	0.36	0.91	1.76	0.24	15.35	9.0	43
M898214		3.04	0.006	0.06	1.29	1.6	<0.2	<10	80	0.34	0.22	1.04	0.10	24.6	5.0	20
M898215		1.75	0.043	0.10	1.62	2.2	<0.2	<10	170	0.47	0.96	0.56	0.08	22.0	11.5	97
M898216		2.99	0.048	0.04	1.51	1.2	<0.2	<10	50	0.20	1.10	1.26	0.07	9.68	7.1	63
M898217		4.85	1.630	1.31	0.28	6.6	1.4	<10	20	0.08	30.7	1.41	0.15	2.73	23.5	6
M898218		1.85	0.010	0.07	0.66	1.6	<0.2	<10	20	0.07	0.56	2.08	0.03	10.75	1.5	3
M898219		2.64	0.011	0.10	1.10	2.1	<0.2	<10	620	0.21	0.37	1.40	0.08	11.25	6.2	7
M898220		2.06	0.047	0.51	2.27	1.8	<0.2	<10	30	0.50	14.20	2.36	0.14	17.55	20.2	148

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14092126

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
M898201		0.77	29.0	0.84	4.16	0.16	0.19	<0.01	0.261	0.09	7.2	2.5	0.19	191	0.21	0.07
M898202		0.37	25.4	2.68	5.06	0.48	0.23	<0.01	0.213	0.06	6.4	3.7	0.27	827	2.06	0.05
M898203		0.19	757	3.98	2.56	0.63	0.02	<0.01	0.361	0.05	0.8	2.2	0.85	352	1.37	0.01
M898204		0.54	655	6.45	3.08	0.23	0.04	<0.01	0.062	0.07	2.9	4.5	0.42	246	4.47	0.01
M898205		0.50	248	1.69	6.19	0.15	0.43	<0.01	0.045	0.09	4.1	13.6	1.23	218	1.02	0.08
M898206		0.21	325	2.07	1.70	0.38	0.04	<0.01	0.198	0.03	0.8	1.8	0.48	227	1.17	0.01
M898207		0.15	601	4.31	1.12	0.34	<0.02	<0.01	0.108	0.03	2.4	1.5	0.50	196	2.70	0.01
M898208		0.46	510	7.97	4.98	0.64	0.07	<0.01	0.384	0.08	18.9	3.2	0.53	361	1.71	0.01
M898209		0.61	215	1.55	2.08	0.17	0.18	<0.01	0.068	0.12	5.9	7.8	0.85	308	3.16	0.03
M898210		0.14	1900	8.37	1.10	0.58	<0.02	<0.01	0.199	0.04	0.3	2.1	1.73	175	3.25	<0.01
M898211		0.20	2300	11.40	1.38	0.74	<0.02	<0.01	0.306	0.02	0.3	2.1	0.82	207	6.66	0.01
M898212		0.55	294	1.75	2.72	0.27	0.12	<0.01	0.098	0.06	3.9	3.3	0.44	274	1.58	0.06
M898213		0.90	265	1.84	5.91	0.10	0.26	<0.01	0.052	0.15	7.8	12.2	0.73	339	2.06	0.07
M898214		1.10	81.0	1.42	4.47	0.07	0.25	<0.01	0.028	0.23	14.1	13.2	0.76	340	0.56	0.06
M898215		2.83	235	2.19	6.93	0.06	0.11	<0.01	0.024	0.43	11.2	15.8	1.07	229	0.95	0.08
M898216		0.38	93.0	1.10	4.14	0.10	0.28	<0.01	0.020	0.09	4.7	12.7	0.87	222	0.36	0.10
M898217		0.28	1255	9.10	4.69	0.60	0.03	<0.01	0.477	0.03	1.3	3.3	0.92	361	1.03	0.01
M898218		0.37	54.1	1.35	2.47	0.23	0.18	<0.01	0.127	0.04	7.8	5.3	0.72	351	0.10	0.05
M898219		1.52	85.6	1.94	4.71	0.17	0.15	<0.01	0.040	0.19	4.8	4.9	0.38	386	0.57	0.12
M898220		0.20	436	6.45	9.05	0.15	0.63	0.01	0.177	0.28	8.5	11.5	1.37	377	1.14	0.12

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

ALS Minerals

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To: ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14092126

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M898201		0.78	4.0	510	4.6	6.9	<0.001	0.02	0.49	1.6	0.7	4.4	42.9	0.01	0.06	1.2
M898202		0.92	6.1	740	5.6	5.3	0.001	0.01	0.31	3.7	0.6	6.6	12.4	0.01	0.05	1.3
M898203		0.08	3.6	540	3.5	0.9	0.001	0.93	0.60	0.3	2.9	4.4	3.1	<0.01	4.27	0.2
M898204		0.08	22.8	370	3.9	3.9	0.001	0.45	4.05	3.5	5.8	0.3	7.7	<0.01	8.62	1.6
M898205		0.18	27.5	590	2.1	4.9	<0.001	0.04	0.31	6.1	0.6	0.4	25.5	<0.01	0.12	2.3
M898206		0.11	4.2	480	2.9	1.9	<0.001	0.12	0.35	0.8	1.8	0.9	5.3	<0.01	2.35	0.3
M898207		0.07	2.4	240	3.5	1.1	<0.001	0.22	0.49	0.5	4.3	0.7	3.4	<0.01	8.29	<0.2
M898208		0.26	3.2	410	2.3	6.8	0.001	0.10	0.48	0.6	1.0	3.0	7.7	<0.01	1.12	0.4
M898209		0.37	3.9	510	3.6	11.8	<0.001	0.03	0.18	1.3	0.4	1.3	8.6	<0.01	0.16	0.8
M898210		<0.05	2.2	250	2.4	0.9	<0.001	1.19	1.88	0.3	8.6	0.4	3.4	<0.01	3.19	<0.2
M898211		<0.05	6.1	440	3.3	1.0	0.001	1.45	1.17	0.4	6.9	1.1	4.2	<0.01	10.90	<0.2
M898212		0.68	6.8	620	6.4	5.4	0.001	0.13	0.26	2.1	1.6	1.6	16.1	<0.01	0.35	1.3
M898213		0.35	29.2	500	6.1	11.2	<0.001	0.02	1.18	4.5	0.7	0.9	29.4	<0.01	0.32	2.8
M898214		0.35	13.5	470	5.3	16.9	<0.001	0.01	0.20	3.1	0.3	1.1	20.5	<0.01	0.06	2.9
M898215		0.68	43.5	410	3.5	38.1	0.001	0.03	0.24	6.1	0.5	0.5	30.7	<0.01	0.23	4.5
M898216		0.15	20.9	620	2.0	6.2	<0.001	0.04	0.24	3.9	0.4	0.4	47.6	<0.01	0.14	2.0
M898217		0.12	11.4	380	4.1	2.2	<0.001	1.34	0.68	0.5	4.3	3.1	5.3	<0.01	4.14	0.8
M898218		0.50	3.1	1080	3.0	4.4	<0.001	0.01	0.22	0.9	<0.2	2.3	14.7	<0.01	0.20	0.5
M898219		0.72	9.1	690	5.7	12.5	<0.001	0.07	0.35	5.3	0.8	1.2	87.6	<0.01	0.09	1.3
M898220		2.26	130.5	2550	10.9	3.9	<0.001	0.26	0.28	5.3	1.7	2.6	44.1	0.01	4.56	1.1

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

ALS Canada Ltd.

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To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14092126

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
M898201		0.141	0.03	20.8	23	0.58	17.85	15	6.0
M898202		0.196	0.02	1.72	29	1.85	16.30	23	8.5
M898203		<0.005	0.03	2.05	4	118.0	7.07	20	1.0
M898204		0.005	0.03	0.56	32	39.6	3.40	23	1.3
M898205		0.147	0.02	0.55	51	1.49	4.84	20	14.8
M898206		0.018	0.03	0.42	8	21.1	1.51	15	1.7
M898207		0.006	0.04	0.57	4	67.2	1.25	16	0.6
M898208		0.052	0.06	1.14	13	71.5	4.21	19	2.3
M898209		0.111	0.05	1.29	15	5.61	7.26	23	5.2
M898210		<0.005	0.03	0.93	1	8.05	1.42	19	<0.5
M898211		<0.005	0.05	0.79	3	156.0	1.45	36	<0.5
M898212		0.135	0.03	2.91	19	11.80	10.75	27	3.4
M898213		0.103	0.07	1.26	42	12.30	9.44	25	11.3
M898214		0.129	0.09	1.13	23	4.49	9.23	25	8.1
M898215		0.142	0.22	0.76	63	2.01	6.94	19	4.2
M898216		0.104	0.03	0.69	30	6.34	4.38	13	10.9
M898217		0.014	0.04	1.22	11	16.80	2.89	26	1.1
M898218		0.111	0.03	1.64	6	2.75	5.29	14	5.6
M898219		0.200	0.08	0.83	46	0.73	12.90	24	4.3
M898220		0.380	0.05	0.48	73	6.28	5.44	40	25.5

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

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28-JUN-2014
Account: F

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14092126

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME-MS41

LABORATORY ADDRESSES

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

Applies to Method:	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

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

Applies to Method:	Au-ICP21	ME-MS41

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 5-JUL-2014
Account: MTT

CERTIFICATE WH14095622

Project: HOPPER

This report is for 7 Rock samples submitted to our lab in Whitehorse, YT, Canada on 21-JUN-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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To: **STRATEGIC METALS LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 5-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14095622

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M898221		1.54	0.039	2.50	0.29	6.5	<0.2	<10	20	0.44	0.47	11.05	0.74	12.65	11.7	13
M898222		1.36	0.010	6.75	0.82	0.8	<0.2	<10	330	0.15	6.71	0.40	0.11	19.25	9.2	30
M898223		1.14	<0.001	0.04	0.70	0.8	<0.2	<10	420	0.31	0.03	1.28	0.02	18.60	6.3	30
M898224		1.23	<0.001	0.04	0.67	0.4	<0.2	<10	50	0.44	0.06	3.77	0.05	26.3	7.4	17
M898225		0.87	<0.001	0.01	0.80	0.4	<0.2	<10	380	0.44	0.02	1.42	0.02	20.3	7.1	33
M898226		2.64	0.004	0.11	2.84	0.8	<0.2	<10	660	0.26	0.02	1.57	0.03	27.6	29.6	38
M898227		1.69	0.014	3.14	0.20	9.3	<0.2	<10	500	0.31	43.0	0.49	0.08	4.65	6.1	8

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Finalized Date: 5-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14095622

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
M898221		0.14	4500	11.10	16.15	2.47	0.05	0.09	1.370	0.01	4.3	1.5	0.17	1140	5.98	0.01
M898222		0.60	9980	2.66	4.55	0.06	0.14	0.13	0.109	0.23	10.3	10.4	0.63	166	94.2	0.06
M898223		1.95	48.5	1.66	3.61	0.05	0.28	0.01	0.014	0.11	9.3	8.0	0.65	211	2.53	0.06
M898224		0.75	103.0	1.83	1.77	<0.05	0.10	0.01	0.014	0.10	14.1	5.1	1.18	422	15.15	0.01
M898225		2.27	11.9	1.88	3.69	<0.05	0.32	0.01	0.014	0.13	10.4	8.7	0.70	226	3.36	0.06
M898226		3.94	346	5.88	9.67	0.09	0.09	0.01	0.011	0.96	13.0	18.6	1.60	338	28.9	0.42
M898227		0.75	9980	2.58	1.08	<0.05	0.02	0.03	0.119	0.13	3.4	0.6	0.03	219	30.0	0.01

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CERTIFICATE OF ANALYSIS WH14095622

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
M898221		0.08	4.1	170	2.2	0.9	0.001	0.05	0.23	0.8	1.3	25.8	2.6	<0.01	0.13	0.4
M898222		0.40	8.4	450	9.4	16.0	0.003	0.72	0.16	3.2	1.3	0.6	23.3	<0.01	0.60	6.9
M898223		0.13	13.0	540	2.3	5.6	<0.001	0.01	0.20	4.2	<0.2	0.3	101.5	<0.01	<0.01	5.5
M898224		<0.05	9.6	490	5.4	4.8	<0.001	<0.01	0.14	5.6	0.2	<0.2	344	<0.01	<0.01	5.9
M898225		0.08	15.1	580	2.4	7.1	<0.001	0.01	0.24	5.3	0.2	0.3	117.5	<0.01	<0.01	5.6
M898226		0.10	20.5	2120	2.4	58.6	0.007	0.21	0.06	4.2	0.5	0.4	355	<0.01	0.02	4.8
M898227		<0.05	5.0	270	53.7	6.5	0.002	0.05	11.50	1.9	0.9	0.2	17.5	<0.01	0.17	1.1

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 5-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14095622

Sample Description	Method Analyte Units LOR	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5
M898221		0.007	0.02	6.66	15	146.5	11.35	80	2.4
M898222		0.039	0.09	4.98	41	113.0	4.98	23	2.7
M898223		0.045	0.02	1.54	38	0.62	6.02	16	7.6
M898224		<0.005	0.02	1.21	38	0.56	8.73	17	2.9
M898225		0.029	0.03	1.42	41	0.73	6.47	18	8.9
M898226		0.308	0.30	1.71	240	0.85	5.85	50	2.2
M898227		<0.005	0.06	5.99	10	2.93	3.37	44	0.6

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

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Finalized Date: 5-JUL-2014
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Project: HOPPER

CERTIFICATE OF ANALYSIS WH14095622

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME-MS41

LABORATORY ADDRESSES

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

Applies to Method:				
	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

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

Applies to Method:		
	Au-ICP21	ME-MS41

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: 16-JUL-2014
Account: MTT

CERTIFICATE WH14099480

Project: HOPPER

This report is for 56 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26-JUN-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS41	51 anal. aqua regia ICPMS	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **STRATEGIC METALS LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
Method / Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M898228	1.81	0.004	0.10	0.57	4.7	<0.2	<10	100	0.26	0.06	0.58	0.06	35.5	6.0	10
M898229	2.97	0.003	0.04	0.75	1.6	<0.2	<10	310	0.24	0.11	0.28	0.01	26.3	5.1	19
M898230	3.25	0.007	0.14	0.60	4.6	<0.2	<10	580	0.51	0.16	0.24	0.04	33.0	5.1	13
M898231	2.27	0.003	0.08	0.35	7.4	<0.2	70	90	0.22	0.22	0.49	<0.01	20.9	2.3	12
M898232	1.58	0.005	0.09	0.54	0.7	<0.2	<10	210	0.18	0.08	0.26	<0.01	23.3	5.3	15
M898233	2.15	0.006	0.09	0.71	2.8	<0.2	<10	750	0.31	0.11	0.27	0.01	28.2	6.1	17
M898234	5.49	0.024	1.02	0.48	12.1	<0.2	<10	620	0.58	1.15	0.30	0.01	29.8	8.0	9
M898235	2.78	0.002	0.07	1.05	0.7	<0.2	<10	580	0.24	0.06	0.54	0.02	18.90	10.2	81
M898236	3.56	0.548	1.45	0.52	2.2	0.5	30	50	0.33	1.74	0.39	0.05	13.60	25.5	20
M898237	5.90	6.31	8.35	1.63	6.3	5.3	20	100	0.55	33.4	1.02	0.20	15.65	40.2	20
M898238	5.05	1.380	3.53	0.14	5.3	1.3	10	60	0.40	11.15	2.04	0.19	2.66	18.8	9
M898239	2.90	0.014	0.05	1.11	1.8	<0.2	<10	20	0.11	0.31	5.82	0.02	9.68	3.6	21
M898240	1.90	0.012	0.04	2.32	1.4	<0.2	10	40	0.26	0.22	2.07	0.06	5.96	1.4	56
M898241	4.21	0.059	4.31	0.48	16.9	<0.2	<10	30	0.10	4.12	1.12	0.27	1.71	12.0	11
M898242	3.53	0.034	0.06	1.14	4.4	<0.2	<10	90	0.31	1.24	1.48	0.07	14.55	8.7	65
M898243	2.79	0.024	0.03	1.67	2.4	<0.2	<10	180	0.63	0.56	0.33	0.03	27.6	8.2	67
M898244	2.22	0.110	0.06	1.33	3.5	<0.2	<10	170	0.32	2.81	1.15	0.07	19.15	9.2	109
M898245	3.36	0.083	0.29	0.60	65.8	<0.2	<10	830	0.62	2.36	0.80	0.58	23.4	41.4	40
M898246	4.46	0.800	1.24	0.17	9.1	0.6	10	20	0.07	20.4	1.31	0.21	0.81	19.2	4
M898247	4.01	0.009	0.05	0.70	4.7	<0.2	<10	20	0.21	0.39	3.69	0.06	9.31	2.3	11
M898248	2.85	0.016	0.04	1.04	5.1	<0.2	<10	30	0.27	0.32	2.68	0.07	5.99	3.7	54
M898249	2.68	0.014	0.49	0.65	7.7	<0.2	<10	30	0.18	0.50	2.90	0.11	4.32	5.7	30
M898250	1.64	0.004	0.01	1.91	1.6	<0.2	<10	60	0.17	0.14	1.52	0.05	8.80	8.5	163
M898251	1.88	0.035	0.53	0.18	101.0	<0.2	<10	70	2.10	0.29	10.80	0.20	18.65	13.0	16
M898252	3.98	0.043	0.43	0.10	5.9	<0.2	<10	10	0.10	0.92	0.96	0.09	14.25	8.1	2
M898253	2.01	0.007	0.16	0.72	1.8	<0.2	<10	40	0.39	0.29	2.40	0.09	3.99	11.1	3
M898254	2.25	0.162	0.20	0.39	6.7	0.2	<10	10	0.16	7.61	4.55	0.10	5.57	14.4	4
M898255	1.33	0.004	0.06	2.74	0.7	<0.2	<10	80	0.66	0.14	1.65	0.22	69.7	15.9	3
M898256	2.49	0.712	4.28	0.06	10.2	1.0	20	10	0.08	19.35	0.83	0.27	0.67	30.3	2
M898257	1.81	0.412	0.39	0.44	5.0	0.3	30	20	0.14	5.97	14.40	0.41	10.50	13.1	2
M898258	1.73	0.007	0.13	2.46	0.6	<0.2	<10	140	0.74	0.10	2.92	0.50	69.9	25.4	3
M898259	1.27	0.021	0.23	1.34	6.2	<0.2	<10	120	0.54	1.51	0.16	0.23	27.7	17.5	72
M898260	2.81	0.729	3.02	0.04	12.2	0.6	<10	20	0.58	18.30	3.52	0.15	1.64	15.2	5
M898261	3.53	0.679	3.09	0.07	1.2	0.6	10	40	0.17	7.33	0.53	0.31	1.55	19.5	4
M898262	4.57	0.532	2.25	0.14	2.6	0.5	20	20	0.10	4.43	0.25	0.06	1.40	34.5	7
M898263	3.09	0.072	0.95	0.38	1.5	<0.2	<10	670	0.30	0.28	0.76	0.15	11.70	5.1	13
M898264	3.55	0.023	0.14	0.50	1.0	<0.2	<10	320	0.26	0.09	0.79	0.04	27.8	4.4	12
M898265	2.60	0.398	1.31	0.78	2.2	0.6	<10	410	0.41	0.64	0.35	0.12	19.10	9.8	26
M898266	2.22	0.332	1.31	0.28	17.6	0.3	<10	130	0.46	0.40	2.38	0.23	23.5	7.6	13
M898267	0.93	0.010	0.05	0.80	0.8	<0.2	<10	280	0.26	0.06	0.51	0.02	24.6	7.4	14

***** 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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
M898228		1.40	83.8	1.93	3.19	0.06	0.16	0.01	0.009	0.21	17.6	6.6	0.47	138	1.78	0.09
M898229		1.20	104.0	1.81	3.78	0.06	0.09	<0.01	0.007	0.24	13.9	8.3	0.44	167	54.3	0.06
M898230		1.36	709	1.63	2.23	0.05	0.05	<0.01	0.013	0.16	15.3	4.8	0.21	179	111.5	0.02
M898231		0.39	140.5	0.71	0.81	<0.05	0.05	<0.01	0.013	0.04	9.3	2.4	0.03	134	8670	<0.01
M898232		1.22	181.0	1.62	2.84	0.06	0.14	<0.01	0.007	0.20	11.9	6.6	0.32	133	66.9	0.06
M898233		1.30	183.5	1.89	3.62	0.05	0.11	<0.01	0.008	0.23	15.2	7.0	0.37	173	26.1	0.05
M898234		1.91	2030	1.88	1.40	<0.05	0.05	0.02	0.034	0.16	16.2	2.4	0.14	285	242	0.01
M898235		0.99	113.0	2.03	4.65	0.07	0.39	<0.01	0.008	0.22	8.6	11.8	0.92	200	3.57	0.09
M898236		2.42	1985	18.30	10.10	0.66	0.08	<0.01	0.277	0.24	6.6	8.1	5.30	649	4.71	0.02
M898237		9.68	>10000	14.85	8.80	0.70	0.30	0.01	0.526	0.86	8.1	29.5	7.58	1040	8.50	0.05
M898238		1.05	9930	15.85	9.51	0.57	0.04	<0.01	0.560	0.06	1.3	11.3	3.44	863	3.85	0.01
M898239		0.25	77.8	4.90	6.38	0.73	0.23	<0.01	0.348	0.03	6.2	3.0	0.50	1070	1.07	0.01
M898240		0.77	38.1	0.46	4.55	0.08	0.33	<0.01	0.009	0.11	2.6	9.7	0.43	119	0.42	0.20
M898241		0.29	2470	2.34	1.89	0.12	0.04	0.01	0.259	0.05	1.0	3.6	0.68	172	3.78	0.06
M898242		0.84	129.0	1.41	4.19	0.05	0.12	<0.01	0.017	0.14	6.5	10.3	0.60	243	7.00	0.11
M898243		4.19	76.9	2.35	7.99	0.08	0.04	<0.01	0.012	0.78	13.9	15.1	0.88	233	3.67	0.05
M898244		2.08	108.5	2.01	7.29	0.07	0.15	<0.01	0.026	0.39	10.0	11.1	0.84	351	2.42	0.04
M898245		1.34	1840	2.37	3.50	0.05	0.05	<0.01	0.052	0.19	11.3	5.1	0.48	499	5.83	0.02
M898246		0.39	1280	8.64	4.51	0.70	0.05	<0.01	0.228	0.03	0.5	3.0	1.84	416	3.13	<0.01
M898247		0.31	35.4	2.66	3.79	0.41	0.19	<0.01	0.232	0.04	5.4	3.1	0.29	722	1.08	0.03
M898248		0.67	13.6	1.43	2.56	0.05	0.16	<0.01	0.044	0.05	3.0	6.7	0.83	463	0.69	0.13
M898249		0.43	307	2.91	3.67	0.37	0.18	<0.01	0.189	0.04	2.5	3.8	0.41	675	0.41	0.01
M898250		0.52	15.3	1.43	5.21	0.10	0.31	<0.01	0.012	0.11	4.4	21.8	1.25	254	0.35	0.16
M898251		0.43	195.5	6.20	0.91	0.06	0.05	<0.01	0.298	0.04	13.7	2.0	2.37	2340	1.05	0.01
M898252		0.13	351	2.84	1.10	0.22	0.02	<0.01	0.100	0.02	10.0	1.3	0.39	410	0.52	0.01
M898253		0.30	199.0	2.15	4.73	0.46	0.21	<0.01	0.179	0.09	1.5	4.2	0.30	725	21.3	0.03
M898254		0.15	343	6.39	6.41	1.05	0.13	<0.01	0.623	0.01	3.3	1.9	0.40	799	1.89	0.01
M898255		1.33	83.8	5.79	13.70	0.28	1.09	<0.01	0.073	0.13	31.7	35.8	2.39	1320	1.47	0.05
M898256		0.19	1260	15.95	6.91	1.05	<0.02	<0.01	0.358	0.03	0.4	5.5	2.67	495	0.83	0.01
M898257		0.58	818	5.36	3.74	0.22	0.03	<0.01	0.242	0.05	5.6	6.5	5.37	590	0.39	0.02
M898258		2.27	904	5.70	9.76	0.12	0.19	0.02	0.066	0.12	31.0	19.3	1.22	939	1.65	0.14
M898259		2.72	627	2.75	8.17	0.07	<0.02	<0.01	0.021	0.36	12.8	9.0	0.85	355	1.06	0.02
M898260		0.26	3290	6.99	4.15	0.27	0.03	0.01	0.272	0.01	1.0	9.1	4.22	684	2.50	0.01
M898261		0.33	3880	10.85	6.72	0.68	0.03	<0.01	0.320	0.02	0.8	11.8	4.59	1000	46.2	0.01
M898262		0.90	4210	27.0	13.40	0.73	0.03	<0.01	0.290	0.06	0.8	7.5	4.00	1240	114.0	0.01
M898263		0.61	1815	2.11	3.07	0.08	0.10	<0.01	0.050	0.08	5.8	4.1	0.25	171	18.10	0.04
M898264		0.71	258	1.38	2.32	0.07	0.21	0.01	0.026	0.09	14.8	6.2	0.27	165	5.63	0.03
M898265		3.57	4550	1.67	8.81	0.08	0.04	<0.01	0.058	0.46	9.6	8.5	0.80	103	5.44	0.02
M898266		1.81	5440	2.27	2.35	0.06	0.02	<0.01	0.069	0.11	11.8	3.5	0.89	278	5.36	0.01
M898267		0.96	119.0	2.63	4.61	0.07	0.24	<0.01	0.011	0.17	12.8	13.5	0.61	167	8.22	0.08

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

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VANCOUVER BC V6B 1L8

Finalized Date: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
M898228		0.44	4.9	1090	7.6	15.3	<0.001	0.05	0.25	2.4	0.4	0.7	38.8	<0.01	0.01	15.6
M898229		0.70	4.6	490	3.1	20.9	0.003	<0.01	0.12	2.5	0.5	0.5	26.2	<0.01	<0.01	12.9
M898230		0.35	4.7	480	3.9	13.5	0.012	0.02	0.47	4.2	0.4	0.2	26.7	<0.01	<0.01	16.0
M898231		<0.05	3.8	310	3.9	2.5	3.04	0.57	0.51	3.3	5.0	<0.2	9.4	<0.01	0.13	7.0
M898232		0.50	4.5	520	2.5	16.8	0.010	0.01	0.08	2.1	0.4	0.4	22.4	<0.01	<0.01	12.5
M898233		0.69	5.1	470	3.3	20.1	0.003	0.03	0.22	2.4	0.3	0.4	31.4	<0.01	<0.01	15.0
M898234		0.14	5.9	420	7.3	9.4	0.052	0.04	0.98	4.9	1.2	0.2	23.1	<0.01	0.08	15.5
M898235		0.20	30.6	590	1.9	14.6	<0.001	0.03	0.08	3.3	0.2	0.4	38.8	<0.01	<0.01	6.0
M898236		0.14	18.8	330	1.2	33.9	<0.001	0.06	0.11	0.8	4.7	2.8	8.6	<0.01	1.15	2.7
M898237		0.16	14.4	1520	0.8	142.5	0.002	0.58	0.27	10.7	12.7	5.8	19.0	<0.01	8.34	1.0
M898238		<0.05	7.2	220	0.6	9.5	<0.001	0.42	0.54	0.4	12.3	2.6	105.5	<0.01	4.42	0.4
M898239		0.36	7.0	350	2.6	2.9	0.001	<0.01	0.11	1.8	0.3	8.8	6.1	0.01	0.08	0.9
M898240		0.21	10.0	540	4.3	7.3	<0.001	<0.01	0.18	2.0	<0.2	0.4	128.5	<0.01	0.03	1.3
M898241		0.06	14.0	240	5.2	1.4	0.001	0.27	0.81	0.4	2.7	0.2	31.3	<0.01	1.66	0.3
M898242		0.62	24.6	380	4.2	9.1	0.001	0.04	0.30	3.3	0.4	0.6	62.1	<0.01	0.39	3.1
M898243		0.90	29.1	640	2.7	64.0	0.001	0.04	0.14	6.1	1.0	0.4	19.4	<0.01	0.16	5.6
M898244		0.71	26.2	350	4.6	30.4	0.002	0.07	0.16	5.4	1.4	1.0	24.8	<0.01	0.98	4.8
M898245		0.59	33.3	520	3.2	14.2	0.001	0.08	0.75	3.4	0.9	0.3	41.5	<0.01	0.48	4.0
M898246		0.07	4.2	210	2.4	1.8	0.001	0.20	0.84	0.4	2.3	3.8	7.8	<0.01	3.87	0.2
M898247		0.61	6.6	500	3.6	3.4	<0.001	<0.01	0.23	1.7	0.3	2.9	15.4	0.01	0.04	1.6
M898248		0.25	19.7	370	3.1	4.1	<0.001	<0.01	0.27	1.7	0.3	0.4	101.0	<0.01	0.05	0.9
M898249		0.69	18.9	330	5.3	3.9	<0.001	0.01	0.30	1.6	0.7	3.3	13.4	0.01	0.16	0.7
M898250		0.11	49.4	530	2.5	6.0	<0.001	<0.01	0.15	4.5	0.2	0.3	57.6	<0.01	0.02	2.2
M898251		0.07	24.9	360	4.5	2.5	0.002	0.13	2.84	3.2	0.9	1.2	397	<0.01	0.07	0.6
M898252		<0.05	4.3	430	2.6	1.2	<0.001	0.02	0.38	0.4	0.5	0.6	4.6	<0.01	0.44	0.5
M898253		0.72	7.6	640	5.7	5.5	0.003	<0.01	0.34	3.4	0.2	3.3	15.7	<0.01	0.07	1.2
M898254		0.23	6.7	670	2.6	0.6	<0.001	<0.01	0.38	1.7	0.5	7.8	6.0	<0.01	3.01	0.9
M898255		0.55	2.3	2090	6.5	4.6	<0.001	0.07	0.10	14.3	0.9	1.6	37.8	0.01	0.02	2.9
M898256		<0.05	3.7	130	7.1	0.9	<0.001	0.09	0.95	0.2	4.3	3.4	4.3	<0.01	4.15	<0.2
M898257		0.06	4.6	510	1.7	3.3	<0.001	0.04	0.27	2.2	0.9	2.7	98.2	<0.01	1.56	0.5
M898258		0.06	2.5	2250	3.6	7.1	<0.001	0.12	0.15	12.4	0.6	1.0	175.5	<0.01	0.01	2.9
M898259		0.24	49.7	160	2.3	29.7	<0.001	0.05	0.32	6.0	1.3	0.3	8.3	<0.01	0.56	4.3
M898260		<0.05	3.7	240	1.2	1.0	0.001	0.17	11.70	0.4	5.1	0.9	220	<0.01	2.03	0.2
M898261		<0.05	4.7	170	1.5	2.1	0.021	0.19	0.14	0.3	3.5	1.3	5.7	<0.01	0.75	<0.2
M898262		<0.05	12.2	190	2.5	8.3	0.024	0.09	0.19	0.2	4.1	2.5	12.1	<0.01	0.94	0.3
M898263		0.27	11.7	670	2.3	4.4	0.008	0.10	0.22	4.3	1.0	1.0	28.0	<0.01	0.08	1.4
M898264		0.21	7.5	580	3.4	4.9	<0.001	0.03	0.18	3.7	0.6	0.4	26.6	<0.01	0.03	8.2
M898265		0.66	43.5	620	3.4	59.5	0.001	0.15	0.42	3.6	4.2	0.7	21.3	<0.01	0.87	6.4
M898266		0.37	22.2	600	4.6	8.9	0.001	0.41	1.73	3.4	5.4	0.6	85.8	<0.01	0.50	6.0
M898267		0.30	6.7	870	2.3	12.3	0.001	0.02	0.12	3.6	0.4	0.4	37.0	<0.01	0.02	6.0

***** 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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Cu-OG46 Cu % 0.001
M898228		0.144	0.07	3.55	82	2.09	6.74	17	2.8	
M898229		0.107	0.11	1.92	58	8.34	5.12	11	1.5	
M898230		0.029	0.08	3.86	37	34.0	5.70	10	1.3	
M898231		<0.005	0.03	1.07	11	1.39	5.36	7	1.9	
M898232		0.086	0.09	1.85	47	9.39	4.56	9	3.8	
M898233		0.095	0.10	2.00	54	37.8	5.17	10	2.0	
M898234		0.005	0.11	3.28	19	7.49	8.05	11	1.6	
M898235		0.126	0.08	1.19	57	1.77	4.71	18	14.5	
M898236		0.039	0.11	2.52	34	1.91	4.46	36	1.8	
M898237		0.262	0.38	5.84	89	17.70	11.90	55	10.3	1.180
M898238		0.009	0.05	1.54	16	2.72	3.03	30	1.2	
M898239		0.063	<0.02	2.35	27	10.45	22.6	11	9.9	
M898240		0.107	0.03	0.59	18	9.24	4.64	8	11.8	
M898241		0.014	0.03	0.57	6	8.08	1.21	29	1.6	
M898242		0.083	0.06	0.89	53	0.55	7.49	13	4.3	
M898243		0.136	0.37	1.13	87	0.49	6.36	16	1.4	
M898244		0.126	0.20	1.19	90	58.6	7.03	19	3.9	
M898245		0.044	0.10	1.28	46	2.89	9.06	45	1.8	
M898246		0.009	0.09	2.54	3	290	1.87	30	1.7	
M898247		0.093	0.02	2.49	18	52.0	10.45	14	5.7	
M898248		0.070	0.02	0.76	17	2.18	4.59	14	5.8	
M898249		0.061	0.02	2.08	19	2.79	11.15	22	7.1	
M898250		0.134	0.03	0.58	46	0.62	4.09	18	10.7	
M898251		0.005	0.03	1.48	17	0.67	13.55	62	2.4	
M898252		0.008	<0.02	0.54	5	0.61	1.42	20	0.7	
M898253		0.150	0.02	1.54	29	2.30	8.67	20	7.2	
M898254		0.034	0.02	7.56	15	55.7	8.13	15	4.9	
M898255		0.556	0.02	0.78	116	2.24	26.0	102	28.3	
M898256		<0.005	0.12	1.33	3	60.8	0.94	38	<0.5	
M898257		0.013	0.03	0.76	15	3.97	8.21	50	1.2	
M898258		0.028	0.06	0.64	91	0.06	27.3	128	5.3	
M898259		0.051	0.20	0.64	94	2.28	4.94	34	0.5	
M898260		<0.005	<0.02	0.59	8	1.58	2.50	33	1.0	
M898261		<0.005	0.02	0.69	20	9.32	1.81	82	1.1	
M898262		0.008	0.04	1.65	56	3.79	1.53	51	0.9	
M898263		0.087	0.02	1.46	47	30.1	9.64	23	2.1	
M898264		0.035	0.02	1.57	32	8.92	7.78	14	6.1	
M898265		0.052	0.18	1.20	47	1.64	6.57	17	0.9	
M898266		0.011	0.05	0.71	20	0.98	9.55	25	0.7	
M898267		0.088	0.05	1.28	72	6.28	6.20	11	6.3	

***** 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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M898268		2.84	0.344	1.70	0.76	1.6	0.3	<10	100	0.32	0.50	0.40	0.05	27.1	5.1	28
M898269		2.81	0.241	0.94	1.00	0.9	<0.2	<10	290	0.47	0.19	0.38	0.05	27.2	5.8	38
M898270		3.85	0.594	1.02	0.38	1.5	0.3	30	70	0.21	1.77	0.36	0.08	7.04	24.7	18
M898271		3.74	3.61	4.27	0.28	4.5	1.5	50	30	0.15	30.0	0.30	0.09	3.30	32.0	19
M898272		2.68	0.510	3.44	0.06	5.2	9.9	20	10	0.13	3.52	0.49	0.17	2.54	24.5	5
M898273		4.28	0.647	1.59	0.23	3.2	0.5	30	20	0.11	8.15	0.18	0.09	4.07	41.6	11
M898274		5.36	1.135	3.49	0.11	1.7	4.3	50	10	0.10	7.85	0.04	0.03	0.65	44.8	6
M898275		4.75	0.759	4.50	0.20	1.7	0.7	10	20	0.11	9.45	0.28	0.09	2.92	24.3	7
M898276		2.46	0.228	0.99	0.27	1.0	0.2	<10	60	0.19	0.56	0.33	0.08	11.30	4.7	15
M898277		2.34	0.049	0.40	0.40	0.7	<0.2	<10	230	0.15	0.16	0.32	0.05	14.80	3.7	14
M898278		2.24	0.028	1.27	0.63	0.4	<0.2	<10	120	0.15	0.12	0.33	0.07	21.7	7.9	17
M898279		1.61	0.001	0.04	0.74	0.9	<0.2	<10	210	0.23	0.16	0.90	0.04	29.5	7.3	15
M898280		0.62	0.001	0.18	0.33	1.6	<0.2	<10	10	0.07	0.10	1.17	0.03	0.66	4.2	3
M898281		2.96	0.055	0.80	0.22	2.1	<0.2	<10	10	0.09	2.23	1.45	0.02	3.95	4.9	8
M898282		1.16	0.006	1.13	0.02	0.7	<0.2	<10	10	0.09	0.25	0.65	0.03	1.12	1.5	1
M898283		1.45	0.013	1.60	0.19	5.8	<0.2	<10	10	<0.05	2.33	1.20	0.06	4.13	13.4	6

***** 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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOR	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
M898268		1.23	2760	1.27	4.34	0.07	0.04	<0.01	0.049	0.19	14.4	7.1	0.41	98	10.90	0.04
M898269		1.77	2540	1.33	5.37	0.06	0.03	<0.01	0.024	0.29	14.2	12.8	0.56	118	10.80	0.04
M898270		1.86	2690	19.05	14.75	0.66	0.09	<0.01	0.377	0.15	3.8	9.7	5.15	839	7.19	0.02
M898271		3.01	5310	18.35	7.55	1.25	0.05	<0.01	0.947	0.22	1.7	4.3	10.25	1220	3.52	0.01
M898272		0.33	5050	10.40	4.87	0.93	0.02	<0.01	0.327	0.02	1.1	4.2	5.56	858	0.79	0.01
M898273		0.51	3340	18.60	5.71	0.55	0.04	<0.01	0.371	0.04	2.2	2.1	7.71	1040	5.47	0.01
M898274		0.35	2780	15.20	3.63	0.62	0.04	<0.01	0.671	0.03	0.4	0.9	13.75	1230	8.11	0.01
M898275		0.61	4670	18.75	12.30	0.55	0.03	<0.01	0.328	0.05	1.7	4.1	3.09	649	22.8	0.02
M898276		0.41	2300	3.43	4.24	0.11	0.08	<0.01	0.043	0.08	6.2	2.2	0.17	105	7.23	0.04
M898277		0.43	914	1.52	2.88	0.08	0.07	<0.01	0.024	0.12	7.6	4.7	0.30	122	1.91	0.04
M898278		0.51	2110	1.74	3.46	0.08	0.10	<0.01	0.030	0.27	12.9	8.1	0.50	122	19.30	0.06
M898279		0.96	27.3	1.86	3.78	0.07	0.36	<0.01	0.013	0.14	15.4	5.3	0.55	185	1.92	0.07
M898280		0.27	38.9	1.02	1.78	0.13	<0.02	<0.01	0.013	0.03	0.4	5.1	1.16	130	0.61	0.01
M898281		0.31	255	10.35	3.35	0.25	0.05	<0.01	0.180	0.03	2.4	0.6	0.11	285	3.78	0.02
M898282		0.26	226	2.45	0.24	0.06	<0.02	<0.01	0.031	0.01	0.6	0.6	0.33	90	0.21	0.02
M898283		0.37	866	4.42	1.44	0.17	0.07	<0.01	0.084	<0.01	2.6	0.8	0.12	290	4.05	0.01

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

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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
M898268		0.37	19.5	520	3.5	21.1	0.001	0.04	0.57	3.0	1.7	0.5	18.2	<0.01	0.35	7.1
M898269		0.34	19.9	500	3.6	29.1	0.001	0.09	0.14	3.7	0.8	0.5	22.6	<0.01	0.19	7.1
M898270		0.05	13.2	330	1.2	22.0	0.001	0.16	0.10	0.6	3.5	2.1	7.0	<0.01	0.80	2.1
M898271		<0.05	11.6	810	1.4	33.5	<0.001	0.13	0.11	0.9	6.0	3.6	2.1	<0.01	3.46	0.5
M898272		<0.05	6.3	270	0.8	3.3	<0.001	0.43	0.13	0.3	3.7	1.7	1.6	<0.01	0.71	0.2
M898273		<0.05	16.7	220	2.5	5.3	0.001	0.14	0.10	0.9	2.0	2.3	6.4	<0.01	0.80	1.0
M898274		<0.05	9.6	80	1.7	4.4	<0.001	0.05	0.08	0.6	1.3	1.8	1.5	<0.01	1.00	<0.2
M898275		0.07	16.2	260	2.1	4.5	0.005	0.17	0.12	0.6	9.7	2.4	4.4	<0.01	2.37	0.6
M898276		0.35	16.5	580	3.1	3.7	0.001	0.03	0.10	1.8	1.4	0.7	12.0	<0.01	0.18	4.1
M898277		0.54	9.0	410	2.7	7.4	<0.001	0.01	0.11	2.9	0.8	0.7	14.8	<0.01	0.07	2.2
M898278		0.55	4.1	510	1.9	20.2	0.001	0.25	0.07	1.9	1.4	0.5	26.7	<0.01	0.03	13.1
M898279		0.24	4.7	590	4.7	7.1	<0.001	0.32	0.14	3.5	0.3	0.3	53.6	<0.01	0.01	9.0
M898280		<0.05	19.0	560	2.7	1.4	<0.001	0.02	0.23	0.1	0.3	<0.2	6.0	<0.01	0.04	<0.2
M898281		0.43	5.3	300	4.4	1.2	0.003	0.67	0.49	0.5	5.5	1.7	4.3	<0.01	2.84	0.5
M898282		0.05	1.7	60	1.7	0.6	0.001	0.21	0.18	0.1	0.9	<0.2	2.4	<0.01	0.11	0.3
M898283		0.47	11.7	540	3.4	0.5	0.002	2.62	0.26	0.3	4.1	1.1	3.9	<0.01	0.66	0.3

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

ALS Minerals

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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: 16-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14099480

Sample Description	Method / Analyte / Units / LOR	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Cu-OG46 Cu % 0.001
M898268		0.060	0.08	2.04	35	2.09	6.24	14	1.0	
M898269		0.062	0.12	1.48	43	2.45	5.90	18	0.8	
M898270		0.027	0.08	3.48	35	3.17	3.33	43	2.3	
M898271		0.015	0.10	6.46	16	2.35	3.16	54	1.5	
M898272		0.006	0.02	0.97	6	1.91	1.70	42	0.7	
M898273		0.017	0.04	0.74	16	1.85	2.27	51	1.4	
M898274		0.007	0.02	0.58	9	2.13	2.18	42	1.3	
M898275		0.021	0.02	0.97	36	4.06	2.34	37	0.8	
M898276		0.081	0.02	2.01	58	17.35	7.06	17	1.6	
M898277		0.110	0.03	0.98	41	3.91	9.32	17	1.6	
M898278		0.121	0.09	2.54	47	13.95	4.07	15	1.8	
M898279		0.069	0.03	1.90	38	0.44	6.11	16	10.7	
M898280		<0.005	0.02	0.10	2	0.11	0.53	11	<0.5	
M898281		0.038	0.04	0.38	15	1.15	4.25	9	1.5	
M898282		<0.005	<0.02	<0.05	2	0.05	0.75	5	<0.5	
M898283		0.032	0.08	0.59	10	14.35	7.25	8	1.5	

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

ALS Canada Ltd.
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Finalized Date: 16-JUL-2014
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CERTIFICATE OF ANALYSIS WH14099480

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME-MS41

LABORATORY ADDRESSES

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

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

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

Applies to Method:	Au-ICP21	Cu-OG46	ME-MS41	ME-OG46
	PUL-31	PUL-QC		

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

Finalized Date: 22-JUL-2014
Account: MTT

CERTIFICATE WH14103094

Project: HOPPER

This report is for 27 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

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
PUL-31	Pulverize split to 85% <75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Cu-OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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VANCOUVER BC V6B 1L8

Finalized Date: 22-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103094

Sample Description	Method	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
M898290		1.63	0.003	0.13	1.16	0.9	<0.2	<10	250	0.25	0.08	0.79	0.07	31.1	12.7	15
M898291		1.61	0.508	16.75	0.70	621	0.5	10	20	0.20	0.72	0.05	1.32	2.46	25.8	15
M898292		1.10	0.002	0.07	0.09	2.2	<0.2	<10	30	<0.05	0.01	12.40	0.19	2.24	0.5	5
M898293		1.62	0.002	1.23	0.17	3.3	<0.2	<10	590	0.11	0.02	0.27	0.03	2.28	2.1	15
M898294		2.58	0.008	0.54	1.35	10.3	<0.2	<10	1030	1.06	0.15	5.49	0.13	32.6	23.8	27
M898295		2.60	0.003	0.21	3.49	2.4	<0.2	<10	1680	0.30	0.13	4.95	0.11	3.91	65.1	90
M898296		1.85	0.014	2.55	0.66	26.1	<0.2	<10	510	0.59	3.02	6.11	0.22	8.68	28.2	33
M898297		2.21	0.018	1.26	0.79	1.5	<0.2	<10	470	0.20	0.35	1.14	0.15	9.01	30.1	50
M898298		3.24	0.034	3.64	1.07	46.3	<0.2	<10	240	1.69	0.96	8.57	0.67	12.60	70.5	94
M898299		1.96	0.009	1.24	1.59	42.7	<0.2	<10	70	1.42	0.23	6.50	0.26	28.7	48.8	83
M896201		4.09	0.042	1.38	0.98	23.2	<0.2	<10	240	0.66	0.58	3.93	0.21	13.80	39.3	117
M896202		4.57	0.179	3.82	0.62	8.3	0.2	<10	110	0.57	0.28	2.98	0.38	7.70	48.9	112
M896203		4.10	0.115	2.01	0.68	16.5	0.2	<10	80	0.91	0.29	5.55	0.32	16.60	37.8	115
M896204		4.17	0.169	1.18	0.71	7.3	<0.2	<10	110	0.42	0.14	2.19	0.22	13.20	27.3	82
M896205		3.68	0.029	0.99	0.62	9.8	<0.2	<10	90	0.53	0.16	3.62	0.20	10.60	26.1	94
M896206		4.69	0.013	0.43	0.70	19.4	<0.2	<10	110	0.67	0.07	5.08	0.10	12.45	24.0	81
M896207		5.03	0.012	0.47	0.71	35.4	<0.2	<10	60	0.81	0.09	5.53	0.14	15.30	33.0	98
M896208		4.11	0.010	0.55	0.73	43.8	<0.2	<10	60	1.34	0.14	9.27	0.23	21.0	39.2	166
M896209		3.95	0.089	2.52	0.70	5.5	<0.2	<10	90	0.25	0.27	1.42	0.30	10.40	31.7	76
M896210		2.03	0.003	0.14	1.34	0.8	<0.2	<10	400	0.22	0.07	0.97	0.02	20.1	9.1	53
M896211		0.97	0.006	0.19	1.06	1.4	<0.2	<10	530	0.25	0.32	0.80	0.06	19.95	10.0	38
M898284		1.12	0.008	2.27	1.98	11.9	<0.2	<10	390	0.62	3.88	8.65	1.13	7.52	67.2	152
M898285		1.04	0.009	2.35	0.06	10.4	<0.2	<10	10	1.10	1.93	6.15	1.15	0.27	43.4	2
M898286		1.44	0.100	15.50	0.04	1.1	<0.2	<10	20	0.76	3.00	1.03	1.86	0.35	25.6	2
M898287		1.79	0.279	16.75	0.22	1.3	<0.2	<10	20	0.32	7.67	9.41	0.69	6.10	25.0	6
M898288		1.41	0.025	0.39	0.22	83.3	<0.2	<10	30	0.92	0.54	7.91	0.22	5.66	5.2	8
M898289		0.62	0.024	22.8	0.10	17.3	<0.2	<10	<10	0.07	75.1	>25.0	5.07	32.0	27.7	<1

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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: 22-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103094

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
M898290		1.24	108.5	3.43	5.80	0.09	0.16	<0.01	0.014	0.56	16.0	12.4	0.86	356	3.10	0.18
M898291		0.62	>10000	5.98	2.30	0.06	0.03	<0.01	0.621	0.06	1.2	6.4	0.29	64	966	<0.01
M898292		0.23	54.3	0.15	0.34	<0.05	<0.02	<0.01	<0.005	0.06	2.8	3.1	0.30	72	4.32	<0.01
M898293		0.26	3030	1.29	0.51	<0.05	0.02	<0.01	0.008	0.10	1.2	1.1	0.09	130	1.65	<0.01
M898294		2.23	1115	4.27	3.72	<0.05	0.06	0.02	0.041	0.38	16.6	9.2	2.28	809	74.6	0.02
M898295		6.34	425	6.86	8.33	0.11	0.08	<0.01	0.029	2.72	1.5	22.3	6.56	904	8.04	0.04
M898296		2.62	4230	5.18	2.81	<0.05	0.06	0.01	0.075	0.30	4.4	3.6	2.69	764	210	0.01
M898297		0.84	3230	3.32	3.50	0.10	0.17	0.01	0.027	0.22	4.0	7.3	1.26	300	294	0.07
M898298		2.77	7380	7.46	3.12	0.05	0.06	0.11	0.098	0.16	5.4	10.4	3.10	1120	111.5	0.02
M898299		2.41	2750	5.73	4.37	0.05	0.04	0.03	0.067	0.24	13.1	17.1	2.38	1080	55.6	0.05
M896201		0.71	4200	4.43	3.69	0.08	0.10	<0.01	0.049	0.27	6.8	10.0	2.24	668	52.4	0.05
M896202		1.22	8410	4.74	2.47	0.09	0.09	0.03	0.090	0.16	3.4	5.4	1.56	532	53.5	0.04
M896203		1.49	5360	4.81	3.06	0.06	0.11	0.01	0.068	0.13	7.6	5.4	2.32	800	52.8	0.03
M896204		0.71	2730	2.82	3.13	0.09	0.09	<0.01	0.035	0.15	6.9	6.4	1.47	366	50.0	0.04
M896205		0.61	2510	3.37	2.79	0.07	0.08	0.02	0.038	0.12	4.8	4.9	1.71	571	11.85	0.04
M896206		1.02	877	3.88	2.77	0.07	0.09	<0.01	0.024	0.17	5.8	5.2	2.20	588	21.4	0.04
M896207		0.97	916	3.92	2.60	<0.05	0.09	0.07	0.036	0.12	7.3	6.2	2.21	669	7.22	0.02
M896208		1.44	1290	5.91	2.98	<0.05	0.07	0.04	0.062	0.10	9.6	6.5	3.11	1210	42.2	0.02
M896209		0.62	3280	2.91	3.05	0.09	0.11	<0.01	0.060	0.15	5.3	6.2	1.33	261	3.83	0.05
M896210		0.60	500	2.60	5.89	0.06	0.14	<0.01	0.014	0.43	10.3	13.4	0.88	272	34.5	0.16
M896211		1.38	1870	2.44	5.00	0.05	0.16	<0.01	0.038	0.46	10.3	10.8	0.88	296	7.62	0.14
M898284		2.37	1490	5.66	5.96	0.07	0.08	0.01	0.084	1.19	3.4	26.1	3.67	1030	0.72	0.03
M898285		0.56	2010	3.49	0.68	0.11	<0.02	<0.01	0.171	0.01	0.2	2.7	1.75	708	0.93	0.01
M898286		0.19	6930	2.38	0.46	0.12	<0.02	0.01	0.575	0.01	0.3	6.7	1.02	314	27.8	0.02
M898287		0.19	8000	2.98	1.25	0.10	0.04	0.01	0.672	0.03	3.5	2.2	1.27	517	3.54	0.01
M898288		0.39	148.5	8.17	1.34	0.07	0.03	0.03	0.205	0.02	3.2	1.5	0.44	3290	23.9	0.01
M898289		<0.05	7800	2.13	0.63	0.08	0.03	0.01	0.788	<0.01	12.6	1.5	0.19	3320	0.85	0.01

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

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ALS Minerals

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

Finalized Date: 22-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103094

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
M898290		0.39	6.7	1020	4.6	38.0	<0.001	0.04	0.10	4.1	0.4	0.6	62.8	<0.01	<0.01	11.4
M898291		<0.05	12.1	130	7.7	3.4	0.010	4.18	1.54	1.9	16.5	1.7	5.7	<0.01	0.48	0.5
M898292		0.07	3.2	100	1.3	3.7	0.001	0.03	<0.05	0.3	0.3	<0.2	127.5	<0.01	<0.01	0.2
M898293		<0.05	2.6	60	1.8	4.1	<0.001	0.34	9.81	0.8	0.8	<0.2	35.6	<0.01	<0.01	1.0
M898294		0.08	18.1	1300	3.7	20.5	0.003	0.21	1.27	19.1	1.3	0.2	263	<0.01	0.01	4.1
M898295		0.05	23.4	370	0.6	154.0	<0.001	0.16	0.24	32.8	0.6	0.4	272	<0.01	0.01	0.2
M898296		0.08	22.8	430	11.2	27.0	0.007	0.28	14.80	21.4	1.1	0.3	306	<0.01	0.07	1.1
M898297		0.26	42.7	430	1.4	12.7	0.013	0.28	0.21	8.5	1.5	0.4	73.4	<0.01	0.04	2.1
M898298		0.07	112.0	880	2.5	9.6	0.002	0.70	2.22	37.2	2.9	0.6	467	<0.01	0.09	0.4
M898299		0.15	111.5	860	4.0	11.7	0.002	0.21	2.21	22.6	2.3	0.4	286	<0.01	0.02	2.0
M896201		0.37	94.3	920	1.9	15.9	0.004	0.54	0.75	22.5	3.4	0.5	173.5	<0.01	0.09	1.6
M896202		0.20	145.0	350	1.9	9.7	0.004	1.11	0.61	19.8	6.3	0.5	117.5	<0.01	0.38	1.1
M896203		0.28	77.0	700	2.8	7.6	0.004	0.54	1.23	32.5	4.9	0.8	261	<0.01	0.14	2.8
M896204		0.49	56.7	720	1.6	8.0	0.003	0.37	0.24	15.3	2.8	0.5	81.7	<0.01	0.09	2.6
M896205		0.37	40.4	560	2.0	7.1	0.001	0.15	0.40	21.4	2.0	0.5	106.5	<0.01	0.07	1.6
M896206		0.32	39.0	770	1.6	9.4	0.001	0.19	1.74	22.5	2.1	0.4	227	<0.01	0.06	1.1
M896207		0.27	64.5	660	1.9	7.8	0.001	0.36	1.92	28.3	2.0	0.4	219	<0.01	0.05	1.9
M896208		0.25	58.9	690	3.1	6.2	0.002	0.23	1.92	53.4	1.4	0.8	387	<0.01	0.03	2.8
M896209		0.24	56.1	570	3.3	8.8	0.001	0.68	0.24	10.9	3.3	0.5	38.0	<0.01	0.21	2.3
M896210		0.47	16.4	790	1.3	23.6	0.001	0.07	0.07	3.1	0.8	0.4	58.3	<0.01	0.01	4.3
M896211		0.52	13.4	640	1.5	27.8	<0.001	0.19	0.14	4.9	1.8	0.5	53.5	<0.01	0.05	5.6
M898284		0.07	34.0	350	19.8	73.5	<0.001	0.59	3.28	32.3	1.9	1.1	312	<0.01	0.11	0.2
M898285		<0.05	40.5	240	4.3	0.8	0.001	1.44	1.24	0.4	1.9	0.3	118.5	<0.01	0.90	<0.2
M898286		<0.05	45.0	80	2.7	0.4	0.008	0.67	0.47	0.2	1.8	<0.2	3.6	<0.01	1.46	0.2
M898287		0.20	4.9	270	1.7	2.4	0.005	0.80	0.33	1.1	3.4	0.5	63.7	<0.01	4.11	1.1
M898288		0.10	6.5	180	12.2	1.1	0.009	0.41	2.02	1.1	0.4	0.7	153.5	<0.01	0.04	0.3
M898289		<0.05	66.3	10	163.0	0.2	0.001	1.33	0.37	8.0	8.1	<0.2	513	0.01	1.52	<0.2

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

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: 22-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103094

Sample Description	Method Analyte Units LOR	ME-MS41 Ti % 0.005	ME-MS41 Tl ppm 0.02	ME-MS41 U ppm 0.05	ME-MS41 V ppm 1	ME-MS41 W ppm 0.05	ME-MS41 Y ppm 0.05	ME-MS41 Zn ppm 2	ME-MS41 Zr ppm 0.5	Cu-OG46 Cu % 0.001
M898290		0.251	0.14	3.64	127	0.32	6.87	40	3.1	
M898291		<0.005	0.04	0.70	22	211	1.18	117	0.7	2.08
M898292		<0.005	0.02	0.69	2	0.34	7.81	4	<0.5	
M898293		<0.005	0.03	0.29	5	0.32	0.85	5	0.5	
M898294		0.017	0.14	1.69	75	0.98	11.05	42	1.5	
M898295		0.480	0.73	0.25	300	0.85	2.93	62	2.0	
M898296		0.022	0.25	2.36	93	260	4.32	49	2.0	
M898297		0.128	0.07	0.90	88	8.66	3.16	30	5.0	
M898298		0.043	0.13	1.88	166	5.42	6.85	81	1.5	
M898299		0.006	0.13	1.43	91	1.26	11.35	74	1.6	
M896201		0.137	0.10	0.99	121	14.20	5.27	43	2.4	
M896202		0.071	0.09	0.74	81	22.2	3.39	57	2.1	
M896203		0.059	0.05	1.33	116	8.59	7.94	65	2.3	
M896204		0.117	0.07	1.00	75	12.60	4.19	37	2.3	
M896205		0.083	0.05	0.75	92	3.80	5.48	41	2.0	
M896206		0.089	0.09	0.51	91	1.30	5.36	30	2.1	
M896207		0.052	0.12	0.59	95	1.18	7.92	38	3.1	
M896208		0.032	0.10	1.59	151	10.05	11.65	62	1.5	
M896209		0.122	0.10	0.80	70	30.0	3.77	39	2.8	
M896210		0.211	0.12	1.27	77	0.18	5.20	24	2.6	
M896211		0.160	0.14	2.30	66	85.5	6.32	22	2.6	
M898284		0.228	0.31	0.29	173	2.30	4.33	72	1.8	
M898285		<0.005	0.07	0.57	8	23.7	1.89	95	<0.5	
M898286		<0.005	0.09	0.24	8	1.83	0.74	184	<0.5	
M898287		0.020	0.10	1.71	10	64.0	8.43	100	1.2	
M898288		0.009	0.04	1.69	8	3.01	8.46	63	1.3	
M898289		<0.005	<0.02	0.21	4	1.67	119.5	310	<0.5	

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 22-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103094

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

Applies to Method: ME-MS41

LABORATORY ADDRESSES

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

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

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

Applies to Method:	Au-ICP21	Cu-OG46	ME-MS41	ME-OG46
	PUL-31	PUL-QC		

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 19-JUL-2014
Account: MTT

CERTIFICATE WH14103095

Project: HOPPER

This report is for 5 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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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: 19-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103095

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ68570		0.31	0.001	<0.2	1.52	6	<10	140	<0.5	<2	0.54	<0.5	9	33	20	2.95
ZZ68571		0.32	0.002	<0.2	2.31	7	<10	160	0.6	3	0.28	<0.5	13	50	29	3.31
ZZ68572		0.35	0.006	<0.2	1.21	5	<10	130	<0.5	2	0.49	<0.5	7	29	19	2.07
ZZ68573		0.25	0.002	<0.2	2.65	4	<10	210	0.7	2	0.78	<0.5	15	49	36	3.27
ZZ68574		0.35	0.002	<0.2	1.91	8	<10	160	0.5	3	0.63	<0.5	13	49	60	3.09

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

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

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

Finalized Date: 19-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103095

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
ZZ68570		10	<1	0.28	10	0.74	266	<1	0.02	19	730	8	0.01	<2	4	29
ZZ68571		10	<1	0.24	20	0.89	359	<1	0.01	32	410	11	<0.01	<2	5	17
ZZ68572		<10	<1	0.12	10	0.56	230	<1	0.01	17	890	5	<0.01	<2	4	27
ZZ68573		10	<1	0.63	30	1.15	397	<1	0.03	44	890	9	0.02	<2	7	55
ZZ68574		10	<1	0.44	20	1.05	460	<1	0.03	28	1100	7	<0.01	<2	6	33

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

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: 19-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103095

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
ZZ68570		<20	0.15	<10	<10	53	<10	58
ZZ68571		<20	0.16	<10	<10	54	<10	65
ZZ68572		<20	0.10	<10	<10	43	<10	40
ZZ68573		<20	0.18	<10	<10	57	<10	88
ZZ68574		<20	0.17	<10	<10	69	<10	55

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

ALS Minerals
ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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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: 19-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103095

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	LOG-22	SCR-41	WEI-21

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

Applies to Method:	Au-ICP21	ME-ICP41

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 15-JUL-2014
Account: MTT

CERTIFICATE WH14103099

Project: HOPPER

This report is for 69 Soil samples submitted to our lab in Whitehorse, YT, Canada on 1-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description / Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ68501	0.28	0.027	0.9	1.53	17	<10	180	0.7	<2	0.82	<0.5	15	39	508	3.68
ZZ68502	0.26	0.015	<0.2	1.50	11	<10	230	<0.5	<2	0.52	<0.5	13	35	210	3.13
ZZ68503	0.26	0.059	<0.2	1.84	12	<10	110	0.5	<2	0.31	<0.5	16	39	152	3.59
ZZ68504	0.26	0.027	0.2	1.79	13	<10	170	0.5	<2	0.40	<0.5	15	39	302	3.25
ZZ68505	0.26	0.009	<0.2	1.52	10	<10	140	<0.5	<2	0.69	<0.5	9	28	85	2.78
ZZ68506	0.18	0.008	<0.2	1.34	17	<10	130	<0.5	<2	0.89	<0.5	12	36	130	3.10
ZZ68507	0.26	0.010	0.2	2.00	8	<10	360	0.6	<2	0.50	<0.5	13	41	238	3.16
ZZ68508	0.33	0.015	<0.2	1.02	119	<10	110	0.9	<2	0.65	<0.5	15	23	70	4.43
ZZ68509	0.15	0.005	<0.2	1.68	20	<10	170	0.8	<2	1.84	<0.5	15	40	123	2.75
ZZ68510	0.26	0.012	0.2	1.60	41	<10	110	1.2	2	2.40	<0.5	18	47	226	4.32
ZZ68511	0.29	0.010	0.2	1.57	6	<10	210	0.6	<2	0.78	<0.5	12	35	318	3.23
ZZ68512	0.19	0.013	0.4	0.96	17	<10	260	0.8	<2	1.14	<0.5	11	20	664	2.88
ZZ68513	0.19	0.008	0.2	1.25	6	<10	420	0.6	<2	2.13	<0.5	11	25	359	2.49
ZZ68514	0.18	0.009	0.3	1.12	7	<10	330	0.7	<2	1.39	<0.5	12	22	927	2.79
ZZ68515	0.19	0.004	0.2	1.44	10	<10	240	0.6	<2	1.03	<0.5	12	27	253	3.26
ZZ68516	0.14	0.013	0.4	1.66	9	<10	260	0.7	<2	1.25	<0.5	14	38	943	3.02
ZZ68517	0.24	0.007	0.2	1.34	27	<10	220	0.8	<2	1.88	<0.5	16	19	297	2.90
ZZ68518	0.23	0.003	<0.2	1.89	6	<10	160	0.5	<2	0.44	<0.5	11	37	93	2.91
ZZ68519	0.14	0.005	<0.2	3.21	27	<10	580	0.7	3	0.93	0.5	51	144	177	7.51
ZZ68520	0.24	0.009	<0.2	1.49	11	<10	240	0.5	<2	0.97	<0.5	16	42	117	2.98
ZZ68521	0.22	0.005	<0.2	0.36	<2	<10	30	<0.5	<2	0.25	<0.5	3	7	14	0.85
ZZ68522	0.25	0.003	<0.2	1.04	6	<10	100	<0.5	<2	0.51	<0.5	8	20	52	1.91
ZZ68523	0.33	0.027	<0.2	1.91	13	<10	210	0.6	<2	0.90	<0.5	15	46	129	3.45
ZZ68524	0.18	0.005	0.2	2.09	9	<10	140	0.6	<2	0.47	<0.5	25	55	197	4.05
ZZ68525	0.29	0.014	<0.2	2.12	19	<10	120	0.7	<2	0.30	<0.5	12	44	200	3.80
ZZ68526	0.26	0.043	<0.2	2.56	15	<10	120	0.8	<2	0.32	<0.5	13	48	158	3.81
ZZ68527	0.40	0.064	<0.2	1.72	22	<10	150	0.6	<2	0.82	<0.5	19	50	226	5.35
ZZ68528	0.32	0.016	0.2	1.36	10	<10	170	0.5	<2	0.74	<0.5	13	32	177	2.92
ZZ68529	0.29	0.002	<0.2	1.45	<2	<10	220	<0.5	<2	0.46	<0.5	9	31	53	2.26
ZZ68530	0.11	0.007	0.2	1.10	3	<10	190	<0.5	<2	1.05	<0.5	7	32	546	2.12
ZZ68531	0.39	0.007	0.2	1.22	2	<10	150	<0.5	<2	0.81	<0.5	8	26	57	2.04
ZZ68532	0.24	0.002	<0.2	0.90	<2	<10	190	<0.5	<2	0.41	<0.5	6	15	96	1.44
ZZ68533	0.25	0.002	<0.2	1.33	3	<10	130	0.5	<2	0.39	<0.5	11	30	113	2.69
ZZ68534	0.20	0.008	0.2	1.33	6	<10	250	<0.5	2	0.96	<0.5	10	27	652	2.32
ZZ68535	0.19	0.002	0.3	1.08	<2	<10	180	<0.5	2	0.45	<0.5	7	19	108	1.59
ZZ68536	0.25	0.002	<0.2	0.88	<2	<10	110	<0.5	2	0.38	<0.5	6	16	40	1.43
ZZ68537	0.29	0.005	<0.2	1.86	2	<10	170	<0.5	<2	0.55	<0.5	12	35	202	2.76
ZZ68538	0.35	0.002	<0.2	1.94	4	<10	120	0.5	<2	0.51	<0.5	11	39	127	2.72
ZZ68539	0.29	0.002	0.2	2.01	3	<10	220	0.6	<2	0.49	<0.5	12	34	127	2.87
ZZ68540	0.36	0.005	0.2	1.26	7	<10	180	0.6	<2	0.64	<0.5	9	25	416	2.77

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

ALS Canada Ltd.
2103 Dollarton Hwy
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ALS Minerals

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ68501		<10	<1	0.07	10	0.68	465	8	0.01	56	650	7	0.04	2	5	30
ZZ68502		<10	<1	0.09	10	0.73	427	4	0.02	43	520	5	0.02	<2	5	24
ZZ68503		10	<1	0.09	10	0.70	345	5	0.01	34	260	6	0.01	<2	4	17
ZZ68504		10	<1	0.07	10	0.74	432	18	0.02	31	550	6	0.02	<2	4	20
ZZ68505		10	<1	0.07	10	0.47	365	8	0.02	21	390	5	0.02	<2	3	28
ZZ68506		<10	<1	0.11	10	0.62	677	4	0.02	26	1330	7	0.06	<2	3	34
ZZ68507		10	<1	0.18	20	0.83	457	3	0.02	33	290	5	0.01	<2	7	31
ZZ68508		<10	<1	0.14	20	0.31	586	6	0.01	38	580	13	0.04	3	7	30
ZZ68509		10	<1	0.43	20	1.10	401	3	0.05	34	720	3	0.08	2	7	70
ZZ68510		10	<1	0.18	30	1.11	621	10	0.03	53	900	13	0.07	<2	10	92
ZZ68511		<10	<1	0.22	20	0.71	423	6	0.02	22	630	6	0.02	<2	8	39
ZZ68512		<10	<1	0.16	20	0.44	451	11	0.02	14	840	8	0.04	2	7	50
ZZ68513		<10	<1	0.12	10	0.59	467	10	0.02	17	770	4	0.08	<2	4	102
ZZ68514		<10	<1	0.27	20	0.54	501	13	0.02	15	860	6	0.07	3	6	63
ZZ68515		<10	<1	0.20	10	0.60	467	5	0.02	16	430	7	0.03	<2	7	50
ZZ68516		10	<1	0.39	20	0.75	442	4	0.03	31	590	7	0.05	<2	7	51
ZZ68517		<10	<1	0.12	20	0.55	465	5	0.01	23	420	7	0.04	<2	12	67
ZZ68518		10	1	0.18	10	0.78	304	4	0.01	23	220	6	0.01	<2	5	26
ZZ68519		10	<1	1.25	20	2.22	895	5	0.03	110	1140	6	0.13	<2	12	61
ZZ68520		<10	<1	0.10	10	0.67	549	3	0.03	38	1020	4	0.05	<2	4	49
ZZ68521		<10	1	0.04	<10	0.13	146	1	0.03	3	410	<2	0.01	<2	1	16
ZZ68522		<10	<1	0.12	10	0.39	285	2	0.02	11	300	4	0.02	<2	2	28
ZZ68523		10	<1	0.18	10	0.86	600	3	0.04	31	400	5	0.03	<2	6	41
ZZ68524		10	<1	0.27	20	0.91	510	7	0.02	47	1020	7	0.16	<2	6	38
ZZ68525		10	<1	0.12	10	0.87	303	5	0.01	32	190	6	0.02	<2	5	15
ZZ68526		10	<1	0.08	10	0.78	280	5	0.01	31	230	8	0.01	<2	5	19
ZZ68527		10	1	0.13	10	0.83	326	63	0.02	47	900	8	0.06	2	6	32
ZZ68528		10	<1	0.05	10	0.54	532	5	0.02	31	600	5	0.06	2	4	38
ZZ68529		10	<1	0.16	10	0.55	308	10	0.01	20	280	3	0.01	<2	4	51
ZZ68530		<10	<1	0.11	10	0.62	241	14	0.02	16	710	2	0.04	3	5	198
ZZ68531		<10	1	0.08	10	0.49	375	7	0.03	21	420	3	0.02	2	4	79
ZZ68532		<10	<1	0.07	<10	0.26	448	9	0.02	11	330	2	0.01	<2	2	32
ZZ68533		<10	<1	0.29	10	0.56	374	11	0.01	17	260	3	0.01	<2	7	26
ZZ68534		10	<1	0.39	10	0.70	437	10	0.01	19	750	5	0.03	<2	4	52
ZZ68535		<10	1	0.17	10	0.33	361	6	0.02	13	410	2	0.01	2	2	29
ZZ68536		<10	<1	0.15	<10	0.29	282	6	0.02	11	210	2	0.01	<2	2	27
ZZ68537		10	<1	0.14	10	0.60	400	20	0.02	24	120	4	0.01	2	5	34
ZZ68538		10	<1	0.16	10	0.66	371	18	0.02	22	210	4	<0.01	<2	6	36
ZZ68539		10	1	0.14	10	0.59	631	22	0.01	21	280	7	0.01	2	4	35
ZZ68540		<10	<1	0.23	20	0.50	336	35	0.01	18	440	5	0.02	<2	9	130

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
ZZ68501		<20	0.05	<10	<10	52	<10	39
ZZ68502		<20	0.10	<10	<10	56	<10	41
ZZ68503		<20	0.10	<10	<10	64	<10	42
ZZ68504		<20	0.13	<10	<10	60	<10	43
ZZ68505		<20	0.07	<10	<10	55	<10	40
ZZ68506		<20	0.07	<10	<10	63	<10	86
ZZ68507		<20	0.13	<10	<10	68	<10	48
ZZ68508		<20	0.02	<10	<10	44	<10	62
ZZ68509		<20	0.12	<10	<10	63	<10	43
ZZ68510		<20	0.07	<10	10	79	<10	57
ZZ68511		<20	0.10	<10	<10	64	<10	44
ZZ68512		<20	0.02	<10	<10	44	<10	44
ZZ68513		<20	0.04	<10	<10	48	<10	37
ZZ68514		<20	0.04	<10	10	50	<10	41
ZZ68515		<20	0.08	<10	<10	59	<10	47
ZZ68516		<20	0.11	<10	<10	62	<10	47
ZZ68517		<20	0.02	<10	<10	50	<10	31
ZZ68518		<20	0.13	<10	<10	68	<10	47
ZZ68519		<20	0.40	<10	<10	150	<10	104
ZZ68520		<20	0.10	<10	<10	58	<10	46
ZZ68521		<20	0.06	<10	<10	28	<10	15
ZZ68522		<20	0.08	<10	<10	46	<10	30
ZZ68523		<20	0.14	<10	<10	69	<10	56
ZZ68524		<20	0.15	<10	<10	94	<10	67
ZZ68525		<20	0.11	<10	<10	78	<10	39
ZZ68526		<20	0.12	<10	<10	81	<10	48
ZZ68527		<20	0.10	<10	<10	71	<10	52
ZZ68528		<20	0.07	<10	<10	52	<10	60
ZZ68529		<20	0.09	<10	<10	54	<10	34
ZZ68530		<20	0.09	<10	10	48	<10	32
ZZ68531		<20	0.07	<10	<10	47	<10	32
ZZ68532		<20	0.07	<10	<10	37	<10	27
ZZ68533		<20	0.07	<10	<10	55	<10	32
ZZ68534		<20	0.09	<10	<10	48	<10	43
ZZ68535		<20	0.08	<10	<10	38	<10	28
ZZ68536		<20	0.08	<10	<10	35	<10	24
ZZ68537		<20	0.14	<10	<10	67	<10	36
ZZ68538		<20	0.15	<10	<10	67	<10	49
ZZ68539		<20	0.11	<10	<10	70	<10	51
ZZ68540		<20	0.06	<10	<10	53	<10	34

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

ALS Minerals

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
ZZ68541		0.22	0.001	0.2	1.54	3	<10	240	<0.5	<2	0.40	<0.5	13	29	68	2.53
ZZ68542		0.32	0.006	<0.2	1.52	6	<10	120	<0.5	<2	0.53	<0.5	11	34	102	2.68
ZZ68543		0.29	0.006	0.2	1.64	4	<10	270	0.5	<2	1.02	<0.5	10	37	789	2.51
ZZ68544		0.26	0.003	<0.2	1.20	7	<10	90	<0.5	<2	0.29	<0.5	8	30	73	1.95
ZZ68545		0.23	0.004	<0.2	2.31	8	<10	220	0.5	<2	0.46	<0.5	11	40	109	2.81
ZZ68546		0.18	0.008	<0.2	1.50	4	<10	160	<0.5	<2	0.46	<0.5	8	31	49	2.45
ZZ68547		0.24	0.002	<0.2	1.45	5	<10	130	<0.5	<2	0.37	<0.5	9	32	36	2.28
ZZ68548		0.23	0.013	0.3	1.60	8	<10	280	0.5	<2	1.33	<0.5	10	33	693	2.52
ZZ68549		0.17	0.003	<0.2	1.68	5	<10	230	<0.5	<2	0.89	<0.5	11	34	75	2.57
ZZ68550		0.20	0.001	<0.2	1.48	2	<10	190	<0.5	<2	0.48	<0.5	8	29	103	2.02
ZZ68551		0.21	0.005	<0.2	1.79	5	<10	180	<0.5	<2	0.82	<0.5	12	36	754	2.58
ZZ68552		0.24	0.005	<0.2	1.61	6	<10	240	0.5	<2	0.81	<0.5	9	33	668	2.37
ZZ68553		0.22	0.003	<0.2	1.70	6	<10	70	<0.5	<2	0.29	<0.5	8	33	68	2.47
ZZ68554		0.30	0.004	<0.2	1.61	5	<10	260	<0.5	2	0.49	<0.5	8	32	215	2.22
ZZ68555		0.25	0.003	<0.2	1.46	6	<10	140	<0.5	<2	0.36	<0.5	8	32	105	2.27
ZZ68556		0.20	0.003	<0.2	1.71	6	<10	210	0.5	<2	0.46	<0.5	13	32	97	2.63
ZZ68557		0.31	0.005	<0.2	1.55	5	<10	110	<0.5	<2	0.32	<0.5	9	28	56	2.49
ZZ68558		0.22	0.005	<0.2	1.48	5	<10	90	<0.5	<2	0.38	<0.5	8	33	45	2.24
ZZ68559		0.20	0.003	<0.2	1.73	7	<10	70	<0.5	<2	0.32	<0.5	9	34	90	2.49
ZZ68560		0.28	0.003	<0.2	1.50	3	<10	240	<0.5	<2	0.54	<0.5	8	30	798	2.33
ZZ68561		0.23	0.003	<0.2	1.39	4	<10	150	<0.5	<2	0.42	<0.5	9	28	118	2.22
ZZ68562		0.33	0.002	<0.2	1.21	4	<10	90	<0.5	<2	0.39	<0.5	6	26	61	1.80
ZZ68563		0.24	0.004	<0.2	1.79	5	<10	200	<0.5	<2	0.66	<0.5	10	35	293	2.37
ZZ68564		0.19	0.004	<0.2	1.53	8	<10	270	<0.5	2	1.05	<0.5	9	31	326	2.47
ZZ68565		0.29	0.006	<0.2	1.52	7	<10	190	0.5	2	0.68	<0.5	11	33	320	2.67
ZZ68566		0.23	0.003	<0.2	1.78	5	<10	250	0.5	<2	0.39	<0.5	8	32	146	2.63
ZZ68567		0.26	0.002	<0.2	3.31	9	<10	190	1.2	3	0.49	<0.5	16	54	284	4.08
ZZ68568		0.24	0.003	<0.2	1.59	5	<10	140	<0.5	<2	0.40	<0.5	8	31	36	2.44
ZZ68569		0.21	0.008	0.3	2.05	7	<10	230	0.8	2	1.24	<0.5	14	41	1835	2.88

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ68541		10	<1	0.23	10	0.50	625	9	0.01	21	200	6	0.01	<2	4	39
ZZ68542		<10	<1	0.34	10	0.65	306	8	0.02	22	360	8	0.02	<2	6	34
ZZ68543		<10	<1	0.17	20	0.81	402	10	0.02	23	850	6	0.04	<2	8	91
ZZ68544		<10	<1	0.26	10	0.54	162	8	0.01	17	170	7	0.02	<2	3	20
ZZ68545		10	<1	0.14	10	0.72	376	4	0.01	26	880	7	0.06	2	4	36
ZZ68546		<10	<1	0.19	10	0.54	190	24	0.01	17	170	5	0.02	<2	3	31
ZZ68547		<10	<1	0.21	10	0.57	233	15	0.01	17	160	7	0.01	<2	4	26
ZZ68548		10	<1	0.25	20	0.90	380	5	0.03	24	760	7	0.05	<2	5	88
ZZ68549		10	<1	0.22	10	0.65	389	13	0.01	20	280	11	0.03	<2	5	52
ZZ68550		<10	<1	0.13	10	0.52	390	15	0.02	16	230	5	0.01	2	4	36
ZZ68551		10	<1	0.19	10	0.80	516	10	0.02	26	490	6	0.03	2	6	93
ZZ68552		<10	<1	0.18	10	0.68	359	4	0.02	21	690	7	0.03	<2	6	68
ZZ68553		10	<1	0.05	10	0.63	180	21	0.01	16	160	7	0.01	<2	3	23
ZZ68554		<10	<1	0.10	10	0.65	262	26	0.02	18	680	5	0.01	<2	5	53
ZZ68555		<10	<1	0.22	10	0.56	201	11	0.01	17	90	5	0.01	<2	5	25
ZZ68556		10	<1	0.31	10	0.65	615	14	0.02	21	230	8	0.01	<2	5	35
ZZ68557		10	<1	0.26	10	0.65	217	13	0.01	16	200	5	0.02	<2	3	21
ZZ68558		<10	<1	0.14	10	0.58	212	9	0.01	17	200	5	0.02	<2	4	27
ZZ68559		10	<1	0.16	10	0.65	207	15	0.01	22	180	6	0.02	<2	4	20
ZZ68560		<10	<1	0.17	10	0.52	179	20	0.01	18	170	5	0.02	<2	5	39
ZZ68561		<10	<1	0.19	10	0.52	345	17	0.02	16	170	6	0.01	<2	5	28
ZZ68562		<10	<1	0.07	10	0.52	205	4	0.01	14	710	4	0.01	<2	3	20
ZZ68563		10	<1	0.15	10	0.70	292	9	0.04	23	330	7	0.02	<2	5	64
ZZ68564		10	<1	0.17	10	0.70	296	13	0.03	27	710	7	0.02	<2	5	133
ZZ68565		10	<1	0.19	10	0.67	419	18	0.02	23	520	4	0.01	<2	7	91
ZZ68566		10	<1	0.13	10	0.64	280	26	0.02	18	170	7	0.01	<2	5	44
ZZ68567		10	<1	0.09	10	0.87	434	66	0.02	34	300	9	0.01	<2	6	58
ZZ68568		10	<1	0.08	10	0.60	214	16	0.02	18	150	4	0.01	<2	3	32
ZZ68569		10	<1	0.13	20	0.79	518	27	0.03	32	990	6	0.03	<2	7	227

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
ZZ68541		<20	0.12	<10	<10	59	<10	44
ZZ68542		<20	0.12	<10	<10	58	<10	39
ZZ68543		<20	0.10	<10	10	56	<10	46
ZZ68544		<20	0.12	<10	<10	48	<10	25
ZZ68545		<20	0.10	<10	<10	71	<10	55
ZZ68546		<20	0.12	<10	<10	62	<10	38
ZZ68547		<20	0.14	<10	<10	58	<10	38
ZZ68548		<20	0.12	<10	<10	58	<10	54
ZZ68549		<20	0.12	<10	<10	64	<10	51
ZZ68550		<20	0.12	<10	<10	53	<10	44
ZZ68551		<20	0.14	<10	10	64	<10	49
ZZ68552		<20	0.11	<10	10	54	<10	42
ZZ68553		<20	0.15	<10	<10	76	<10	49
ZZ68554		<20	0.12	<10	<10	53	<10	39
ZZ68555		<20	0.14	<10	<10	59	<10	37
ZZ68556		<20	0.14	<10	<10	61	<10	44
ZZ68557		<20	0.15	<10	<10	59	<10	37
ZZ68558		<20	0.13	<10	<10	60	<10	35
ZZ68559		<20	0.14	<10	<10	63	<10	41
ZZ68560		<20	0.11	<10	<10	57	<10	36
ZZ68561		<20	0.12	<10	<10	55	<10	34
ZZ68562		<20	0.11	<10	<10	46	<10	31
ZZ68563		<20	0.13	<10	10	56	<10	42
ZZ68564		<20	0.10	<10	10	52	<10	55
ZZ68565		<20	0.11	<10	<10	57	<10	41
ZZ68566		<20	0.10	<10	<10	66	<10	36
ZZ68567		<20	0.14	<10	10	100	<10	63
ZZ68568		<20	0.11	<10	<10	68	<10	35
ZZ68569		<20	0.12	<10	20	61	<10	48

ALS Canada Ltd.
2103 Dollarton Hwy
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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: 15-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14103099

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	LOG-22	SCR-41	WEI-21

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

Applies to Method:	Au-ICP21	ME-ICP41

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

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

Finalized Date: 25-JUL-2014
Account: MTT

CERTIFICATE WH14107850

Project: HOPPER

This report is for 72 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-JUL-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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

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

Finalized Date: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Method / Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ68575	0.22	0.005	<0.2	1.75	9	<10	260	<0.5	<2	0.80	<0.5	33	35	44	4.78
ZZ68576	0.31	0.010	0.3	1.41	<2	<10	200	<0.5	<2	0.64	<0.5	8	31	109	1.76
ZZ68577	0.20	0.006	0.5	1.55	5	<10	180	<0.5	<2	0.63	<0.5	9	27	182	2.34
ZZ68578	0.27	0.004	<0.2	1.58	6	<10	170	<0.5	<2	0.59	<0.5	10	35	116	2.88
ZZ68579	0.39	0.008	0.5	1.88	5	<10	200	0.5	<2	0.68	<0.5	10	41	269	2.56
ZZ68580	0.32	0.006	<0.2	1.80	6	<10	200	<0.5	<2	0.56	<0.5	9	38	132	2.21
ZZ68581	0.23	0.004	0.3	1.72	3	<10	250	<0.5	<2	0.60	<0.5	9	29	99	1.78
ZZ68582	0.28	0.004	<0.2	1.71	6	<10	160	<0.5	<2	0.40	<0.5	8	36	87	2.14
ZZ68583	0.29	0.004	0.2	1.09	4	<10	150	<0.5	<2	0.51	<0.5	9	29	66	2.29
ZZ68584	0.31	0.007	<0.2	1.23	5	<10	160	<0.5	<2	0.58	<0.5	14	34	108	2.77
ZZ68585	0.21	0.002	0.2	0.64	2	<10	80	<0.5	<2	0.27	<0.5	4	14	25	1.34
ZZ68586	0.33	0.004	<0.2	1.25	2	<10	120	<0.5	<2	0.50	<0.5	8	27	60	1.89
ZZ68587	0.42	0.004	<0.2	0.92	4	<10	110	<0.5	<2	0.49	<0.5	5	25	55	1.68
ZZ68588	0.40	0.004	<0.2	0.89	4	<10	100	<0.5	<2	0.52	<0.5	6	24	65	1.97
ZZ68589	0.31	0.004	<0.2	1.09	5	<10	140	<0.5	<2	0.48	<0.5	10	30	60	2.38
ZZ68590	0.28	0.002	<0.2	1.28	5	<10	130	<0.5	<2	0.38	<0.5	9	32	31	2.63
ZZ68591	0.35	0.010	<0.2	0.97	6	<10	110	<0.5	<2	0.54	<0.5	9	34	103	2.58
ZZ68592	0.27	0.004	0.2	1.32	5	<10	150	<0.5	<2	0.48	<0.5	11	30	118	2.29
ZZ68593	0.32	0.003	0.2	1.41	7	<10	150	<0.5	<2	0.44	<0.5	7	31	73	2.18
ZZ68594	0.32	0.015	<0.2	0.92	5	<10	110	<0.5	<2	0.44	<0.5	10	31	69	2.28
ZZ68595	0.30	0.003	0.2	2.00	5	<10	110	<0.5	<2	0.33	<0.5	9	33	25	2.53
ZZ68596	0.28	0.005	<0.2	1.71	6	<10	130	<0.5	<2	0.34	<0.5	11	35	80	2.77
ZZ68597	0.35	0.004	0.3	1.36	3	<10	140	<0.5	<2	0.42	<0.5	10	32	149	2.59
ZZ68598	0.47	0.006	0.2	1.06	3	<10	100	<0.5	<2	0.51	<0.5	6	26	83	1.95
ZZ68599	0.20	0.005	<0.2	1.88	5	<10	110	<0.5	<2	0.36	<0.5	10	33	128	2.82
ZZ68600	0.25	0.003	0.4	1.31	4	<10	160	<0.5	<2	0.42	<0.5	4	27	59	1.88
ZZ68601	0.23	0.001	<0.2	0.27	<2	<10	30	<0.5	<2	0.17	<0.5	2	3	12	0.78
ZZ68602	0.38	0.005	0.2	1.38	6	<10	140	<0.5	<2	0.53	<0.5	9	33	88	2.61
ZZ68603	0.36	0.006	0.2	1.69	8	<10	190	<0.5	<2	0.51	<0.5	11	35	166	2.76
ZZ68604	0.32	0.039	0.2	1.22	6	<10	160	<0.5	<2	0.58	<0.5	8	30	135	2.37
ZZ68605	0.28	0.003	0.2	2.13	7	<10	260	<0.5	<2	0.65	<0.5	11	38	85	3.04
ZZ68606	0.30	0.002	<0.2	1.47	6	<10	150	<0.5	<2	0.49	<0.5	6	30	30	2.45
ZZ68607	0.29	0.002	<0.2	1.58	6	<10	190	<0.5	<2	0.47	<0.5	7	32	92	2.35
ZZ68608	0.21	0.001	<0.2	0.32	<2	<10	30	<0.5	<2	0.18	<0.5	2	3	12	0.59
ZZ68609	0.38	0.006	<0.2	1.44	4	<10	140	<0.5	<2	0.65	<0.5	12	43	102	2.64
ZZ68610	0.33	0.005	0.2	1.20	3	<10	100	<0.5	<2	0.50	<0.5	11	32	108	2.28
ZZ68611	0.27	0.003	<0.2	1.30	5	<10	110	<0.5	<2	0.44	<0.5	9	30	67	2.69
ZZ68612	0.36	0.006	0.2	1.65	6	<10	140	<0.5	<2	0.47	<0.5	11	30	169	2.66
ZZ68613	0.36	0.011	<0.2	0.85	4	<10	100	<0.5	<2	0.50	<0.5	7	23	121	1.99
ZZ68614	0.42	0.004	0.3	1.58	5	<10	120	<0.5	3	0.46	<0.5	9	30	85	2.42

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

ALS Canada Ltd.

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ALS Minerals

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

Finalized Date: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
ZZ68575		10	<1	0.08	10	0.79	503	13	0.01	18	880	8	0.04	<2	5	50
ZZ68576		<10	<1	0.06	10	0.61	168	1	0.02	16	1060	6	0.04	<2	5	41
ZZ68577		10	<1	0.06	10	0.54	225	2	0.02	15	640	6	0.03	<2	4	48
ZZ68578		10	<1	0.10	10	0.72	213	3	0.02	23	900	5	0.01	<2	4	32
ZZ68579		10	<1	0.15	20	0.82	205	3	0.02	23	1050	8	0.04	<2	10	46
ZZ68580		10	<1	0.07	10	0.72	204	2	0.01	20	1040	6	0.03	<2	5	35
ZZ68581		10	<1	0.07	10	0.63	187	1	0.02	18	930	5	0.04	<2	4	41
ZZ68582		10	<1	0.07	10	0.70	198	2	0.01	17	690	8	0.03	<2	4	28
ZZ68583		<10	<1	0.07	10	0.54	292	2	0.02	16	1030	5	0.01	<2	3	29
ZZ68584		<10	<1	0.10	10	0.64	469	2	0.02	22	1170	6	<0.01	<2	4	30
ZZ68585		<10	<1	0.03	10	0.23	130	1	0.02	5	690	2	0.02	<2	2	18
ZZ68586		<10	<1	0.09	10	0.55	160	1	0.02	16	950	5	<0.01	<2	3	25
ZZ68587		<10	<1	0.08	10	0.46	134	1	0.02	13	1160	4	<0.01	<2	3	23
ZZ68588		<10	<1	0.08	10	0.46	153	2	0.02	12	1220	5	<0.01	<2	3	24
ZZ68589		<10	<1	0.10	10	0.57	279	1	0.02	19	740	6	0.01	<2	3	27
ZZ68590		10	<1	0.10	10	0.60	240	2	0.01	16	340	5	<0.01	<2	4	25
ZZ68591		<10	<1	0.10	20	0.54	277	2	0.02	15	1270	5	<0.01	<2	3	24
ZZ68592		<10	<1	0.08	10	0.59	584	2	0.01	14	920	3	0.02	<2	4	28
ZZ68593		10	<1	0.07	10	0.62	205	2	0.01	15	750	5	0.01	<2	4	26
ZZ68594		<10	<1	0.08	20	0.46	283	2	0.01	13	1170	4	<0.01	<2	3	18
ZZ68595		<10	<1	0.09	10	0.55	243	1	0.01	16	560	5	0.01	<2	4	20
ZZ68596		<10	<1	0.12	10	0.57	289	2	0.01	21	710	5	<0.01	<2	4	19
ZZ68597		10	<1	0.09	10	0.61	301	1	0.02	16	790	5	0.01	<2	4	27
ZZ68598		<10	<1	0.11	10	0.55	166	1	0.02	12	1260	4	<0.01	<2	3	25
ZZ68599		10	<1	0.09	10	0.63	240	2	0.02	19	820	6	0.01	<2	4	21
ZZ68600		10	<1	0.07	10	0.40	122	1	0.01	10	420	6	0.02	<2	3	43
ZZ68601		<10	<1	0.03	<10	0.10	46	<1	0.03	2	550	<2	0.01	<2	<1	14
ZZ68602		10	<1	0.11	10	0.73	233	2	0.02	17	1140	6	0.01	<2	4	30
ZZ68603		<10	<1	0.10	10	0.70	282	2	0.02	23	860	7	<0.01	<2	5	29
ZZ68604		<10	<1	0.10	20	0.57	240	2	0.02	19	1130	5	<0.01	<2	4	29
ZZ68605		10	<1	0.10	10	0.80	452	4	0.02	22	990	6	0.03	<2	5	48
ZZ68606		10	<1	0.10	10	0.54	243	2	0.01	14	560	6	<0.01	<2	4	31
ZZ68607		10	<1	0.12	10	0.66	275	3	0.02	18	710	5	0.01	<2	5	33
ZZ68608		<10	<1	0.02	<10	0.07	67	<1	0.04	2	560	<2	0.01	<2	<1	14
ZZ68609		<10	<1	0.12	10	0.69	230	1	0.04	27	1270	4	<0.01	<2	3	51
ZZ68610		<10	<1	0.08	10	0.49	176	1	0.03	23	1110	11	<0.01	<2	3	31
ZZ68611		<10	<1	0.08	10	0.53	247	2	0.03	22	870	7	0.01	<2	3	31
ZZ68612		<10	<1	0.10	10	0.62	272	2	0.03	23	950	7	0.01	<2	4	30
ZZ68613		<10	<1	0.09	10	0.43	193	1	0.03	15	1230	3	<0.01	<2	2	29
ZZ68614		<10	<1	0.08	10	0.61	328	1	0.03	16	750	5	0.02	<2	3	40

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

ALS Minerals

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: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
ZZ68575		<20	0.10	<10	<10	66	<10	66
ZZ68576		<20	0.10	<10	<10	43	<10	54
ZZ68577		<20	0.10	<10	<10	61	<10	37
ZZ68578		<20	0.13	<10	<10	73	<10	42
ZZ68579		<20	0.13	<10	10	74	<10	81
ZZ68580		<20	0.11	<10	<10	68	<10	69
ZZ68581		<20	0.08	<10	<10	49	<10	65
ZZ68582		<20	0.11	<10	<10	66	<10	47
ZZ68583		<20	0.10	<10	<10	62	<10	41
ZZ68584		<20	0.12	<10	<10	75	<10	44
ZZ68585		<20	0.06	<10	<10	44	<10	20
ZZ68586		<20	0.11	<10	<10	52	<10	32
ZZ68587		<20	0.09	<10	<10	57	<10	29
ZZ68588		<20	0.09	<10	<10	63	<10	26
ZZ68589		<20	0.11	<10	<10	63	<10	40
ZZ68590		<20	0.15	<10	<10	80	<10	44
ZZ68591		<20	0.11	<10	<10	71	<10	38
ZZ68592		<20	0.11	<10	<10	64	<10	39
ZZ68593		<20	0.11	<10	<10	61	<10	44
ZZ68594		<20	0.09	<10	<10	66	<10	29
ZZ68595		<20	0.11	<10	<10	58	<10	39
ZZ68596		<20	0.12	<10	<10	69	<10	38
ZZ68597		<20	0.11	<10	<10	69	<10	40
ZZ68598		<20	0.11	<10	<10	57	<10	34
ZZ68599		<20	0.13	<10	<10	74	<10	42
ZZ68600		<20	0.10	<10	<10	55	<10	29
ZZ68601		<20	0.05	<10	<10	25	<10	12
ZZ68602		<20	0.14	<10	<10	89	<10	43
ZZ68603		<20	0.13	<10	<10	70	<10	45
ZZ68604		<20	0.11	<10	<10	63	<10	37
ZZ68605		<20	0.11	<10	<10	73	<10	69
ZZ68606		<20	0.14	<10	<10	67	<10	53
ZZ68607		<20	0.11	<10	<10	59	<10	59
ZZ68608		<20	0.04	<10	<10	19	<10	9
ZZ68609		<20	0.12	<10	<10	81	<10	42
ZZ68610		<20	0.09	<10	<10	60	<10	41
ZZ68611		<20	0.10	<10	<10	67	<10	38
ZZ68612		<20	0.11	<10	<10	67	<10	47
ZZ68613		<20	0.07	<10	<10	56	<10	30
ZZ68614		<20	0.09	<10	<10	60	<10	48

***** 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: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
ZZ68615		0.30	0.002	0.2	1.43	11	<10	120	<0.5	<2	0.39	<0.5	7	30	53	2.11
ZZ68616		0.27	0.018	0.3	1.96	7	<10	210	0.5	<2	0.52	<0.5	15	35	184	3.23
ZZ68617		0.23	0.005	0.2	1.55	4	<10	170	<0.5	<2	0.50	<0.5	13	31	71	2.45
ZZ68618		0.34	0.002	0.2	1.85	4	<10	190	<0.5	2	0.55	<0.5	11	35	117	2.62
ZZ68619		0.36	0.004	0.2	1.75	5	<10	170	<0.5	2	0.47	<0.5	10	34	55	2.74
ZZ68620		0.28	0.003	<0.2	1.99	4	<10	120	<0.5	2	0.34	<0.5	9	32	107	2.59
ZZ68621		0.22	0.006	0.4	1.39	<2	<10	200	<0.5	<2	0.42	<0.5	4	17	186	1.03
ZZ68622		0.35	0.005	0.4	1.66	5	<10	180	<0.5	<2	0.66	<0.5	14	29	123	2.90
ZZ68623		0.23	0.007	0.8	1.41	6	<10	130	<0.5	<2	0.56	<0.5	6	15	142	1.18
ZZ68624		0.24	0.006	0.4	1.63	5	<10	190	<0.5	<2	0.60	<0.5	7	24	209	1.82
ZZ68625		0.26	0.005	0.2	1.99	3	<10	230	<0.5	2	0.68	<0.5	12	41	213	2.05
ZZ68626		0.26	0.006	<0.2	2.16	10	<10	220	0.5	<2	0.45	<0.5	13	35	237	2.90
ZZ68627		0.28	0.004	0.2	1.35	6	<10	180	<0.5	2	0.36	<0.5	7	27	93	2.37
ZZ68628		0.26	0.003	<0.2	1.12	3	<10	120	<0.5	<2	0.30	<0.5	4	17	38	1.60
ZZ68629		0.29	0.006	0.6	2.63	7	<10	320	0.7	2	0.89	<0.5	21	42	185	4.72
ZZ68630		0.34	0.003	<0.2	2.09	3	<10	250	<0.5	<2	0.75	<0.5	10	35	107	2.51
ZZ68631		0.31	0.001	<0.2	1.45	<2	<10	130	<0.5	<2	0.48	<0.5	6	28	44	1.53
ZZ68632		0.24	0.002	0.2	1.49	4	<10	170	<0.5	<2	0.61	<0.5	10	32	82	2.48
ZZ68633		0.55	0.005	0.2	1.50	4	<10	170	<0.5	<2	0.57	<0.5	8	32	111	2.25
ZZ68634		0.29	0.002	<0.2	1.18	3	<10	140	<0.5	<2	0.46	<0.5	7	23	57	1.79
ZZ68635		0.30	0.003	<0.2	1.53	2	<10	140	<0.5	<2	0.63	<0.5	10	32	69	2.12
ZZ68636		0.28	0.003	<0.2	1.45	4	<10	130	<0.5	3	0.38	<0.5	6	24	26	1.92
ZZ68637		0.34	0.005	0.2	1.45	4	<10	160	<0.5	2	0.45	<0.5	6	26	39	2.22
ZZ68638		0.31	0.004	<0.2	1.59	2	<10	230	<0.5	<2	0.47	<0.5	9	29	37	2.46
ZZ68639		0.31	0.022	0.2	1.52	2	<10	180	<0.5	<2	0.43	<0.5	7	29	57	1.77
ZZ68640		0.36	0.004	<0.2	0.86	3	<10	120	<0.5	<2	0.49	<0.5	8	22	83	2.16
ZZ68641		0.46	0.005	0.3	1.50	6	<10	250	<0.5	2	0.62	<0.5	12	31	174	2.74
ZZ68642		0.34	0.004	<0.2	1.41	5	<10	210	<0.5	<2	0.58	<0.5	21	38	77	3.31
ZZ68643		0.31	0.005	<0.2	1.21	3	<10	130	<0.5	<2	0.46	<0.5	9	26	78	2.39
ZZ68644		0.28	0.003	0.2	1.80	4	<10	210	0.5	<2	0.46	<0.5	10	31	248	2.87
ZZ68645		0.31	0.001	<0.2	1.37	5	<10	250	<0.5	<2	0.48	<0.5	12	31	42	2.47
ZZ68646		0.29	0.012	0.2	1.39	4	<10	170	<0.5	<2	0.42	<0.5	7	26	46	2.22

***** 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
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VANCOUVER BC V6B 1L8

Finalized Date: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
ZZ68615		10	<1	0.06	10	0.55	194	2	0.02	13	780	5	0.04	<2	3	36
ZZ68616		10	<1	0.14	10	0.82	473	3	0.03	21	770	7	0.03	<2	6	37
ZZ68617		10	<1	0.07	10	0.61	509	2	0.02	14	910	7	0.03	<2	4	35
ZZ68618		10	<1	0.07	10	0.70	365	2	0.03	19	900	5	0.02	<2	5	39
ZZ68619		10	<1	0.11	10	0.72	332	1	0.03	22	750	4	0.01	<2	4	30
ZZ68620		10	<1	0.07	10	0.67	345	3	0.02	18	780	5	0.02	<2	4	21
ZZ68621		<10	<1	0.06	10	0.33	84	1	0.03	11	860	4	0.10	<2	5	34
ZZ68622		10	<1	0.12	10	0.83	631	10	0.03	18	1190	5	0.01	<2	5	45
ZZ68623		<10	<1	0.04	10	0.40	126	1	0.03	9	960	3	0.09	<2	3	44
ZZ68624		<10	<1	0.07	10	0.54	212	3	0.03	15	800	3	0.05	<2	5	48
ZZ68625		10	<1	0.07	10	0.87	171	2	0.04	20	960	6	0.06	<2	7	55
ZZ68626		10	<1	0.08	10	0.69	598	4	0.02	22	680	6	0.03	<2	6	40
ZZ68627		10	<1	0.09	10	0.51	318	2	0.02	12	450	5	0.01	<2	4	28
ZZ68628		10	<1	0.05	10	0.25	224	4	0.02	6	300	7	0.01	<2	2	34
ZZ68629		10	<1	0.10	20	0.99	1135	8	0.03	22	2110	5	0.11	<2	8	61
ZZ68630		10	<1	0.08	10	0.73	269	1	0.03	20	1080	5	0.04	<2	6	46
ZZ68631		10	<1	0.10	10	0.55	155	1	0.03	15	820	4	0.02	<2	3	28
ZZ68632		10	<1	0.09	10	0.61	306	2	0.03	17	960	7	0.01	<2	4	36
ZZ68633		10	<1	0.16	20	0.63	223	2	0.03	17	1040	5	0.01	<2	5	31
ZZ68634		<10	<1	0.13	10	0.57	145	4	0.04	11	750	5	0.02	<2	3	27
ZZ68635		<10	<1	0.07	10	0.72	208	1	0.04	21	1070	5	0.01	<2	4	42
ZZ68636		<10	<1	0.07	10	0.39	188	1	0.02	12	670	5	0.01	<2	3	26
ZZ68637		10	<1	0.09	10	0.47	174	2	0.02	11	460	6	0.01	<2	3	31
ZZ68638		10	<1	0.06	10	0.56	245	4	0.03	12	850	4	0.03	<2	3	32
ZZ68639		<10	<1	0.06	10	0.60	282	1	0.02	14	680	6	0.02	<2	4	31
ZZ68640		<10	<1	0.08	10	0.45	267	2	0.03	12	1160	5	<0.01	<2	3	24
ZZ68641		<10	<1	0.14	20	0.63	372	3	0.03	18	1090	5	0.01	<2	5	31
ZZ68642		10	<1	0.07	10	0.75	1630	4	0.03	13	1050	4	0.03	<2	4	33
ZZ68643		<10	<1	0.09	10	0.55	272	2	0.03	15	650	4	0.01	<2	3	28
ZZ68644		<10	<1	0.14	10	0.75	268	3	0.03	21	680	5	0.01	<2	5	28
ZZ68645		10	<1	0.07	10	0.63	656	4	0.03	14	510	4	0.02	<2	4	33
ZZ68646		10	<1	0.08	10	0.56	196	3	0.02	12	520	4	0.02	<2	4	32

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

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

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

Finalized Date: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
ZZ68615		<20	0.08	<10	<10	55	<10	41
ZZ68616		<20	0.14	<10	<10	81	<10	65
ZZ68617		<20	0.10	<10	<10	64	<10	47
ZZ68618		<20	0.10	<10	<10	60	<10	53
ZZ68619		<20	0.13	<10	<10	65	<10	52
ZZ68620		<20	0.10	<10	<10	61	<10	53
ZZ68621		<20	0.06	<10	<10	36	<10	37
ZZ68622		<20	0.14	<10	<10	75	<10	84
ZZ68623		<20	0.05	<10	<10	35	<10	39
ZZ68624		<20	0.07	<10	<10	43	<10	75
ZZ68625		<20	0.12	<10	<10	78	<10	81
ZZ68626		<20	0.09	<10	<10	65	<10	87
ZZ68627		<20	0.10	<10	<10	63	<10	52
ZZ68628		<20	0.10	<10	<10	54	<10	25
ZZ68629		<20	0.13	<10	10	126	<10	94
ZZ68630		<20	0.09	<10	<10	62	<10	77
ZZ68631		<20	0.10	<10	<10	49	<10	38
ZZ68632		<20	0.09	<10	<10	65	<10	40
ZZ68633		<20	0.12	<10	<10	58	<10	44
ZZ68634		<20	0.12	<10	<10	58	<10	38
ZZ68635		<20	0.13	<10	<10	66	<10	47
ZZ68636		<20	0.10	<10	<10	50	<10	30
ZZ68637		<20	0.11	<10	<10	63	<10	35
ZZ68638		<20	0.09	<10	<10	58	<10	48
ZZ68639		<20	0.10	<10	<10	47	<10	37
ZZ68640		<20	0.09	<10	<10	64	<10	31
ZZ68641		<20	0.11	<10	<10	71	10	43
ZZ68642		<20	0.15	<10	<10	88	<10	52
ZZ68643		<20	0.10	<10	<10	63	<10	42
ZZ68644		<20	0.12	<10	<10	67	<10	47
ZZ68645		<20	0.13	<10	<10	70	<10	52
ZZ68646		<20	0.13	<10	<10	68	<10	39

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

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

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

Finalized Date: 25-JUL-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14107850

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	LOG-22	SCR-41	WEI-21

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

Applies to Method:	Au-ICP21	ME-ICP41

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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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: 22-AUG-2014
Account: MTT

CERTIFICATE WH14117465

Project: HOPPER

This report is for 144 Soil samples submitted to our lab in Whitehorse, YT, Canada on 8-AUG-2014.

The following have access to data associated with this certificate:

HEATHER BURRELL	SARAH DRECHSLER	JOAN MARIACHER

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

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

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

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

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

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DD019151		0.51	<0.005	<0.2	1.64	8	<10	270	0.5	2	0.62	<0.5	7	31	165	2.93
DD019152		0.33	<0.005	0.2	1.86	5	<10	360	0.5	2	0.65	<0.5	6	31	239	1.77
DD019153		0.35	<0.005	<0.2	1.77	3	<10	300	<0.5	2	0.59	<0.5	7	31	123	2.35
DD019154		0.37	<0.005	<0.2	1.30	4	<10	120	<0.5	<2	0.66	<0.5	8	29	22	2.07
DD019155		0.29	<0.005	<0.2	1.53	4	<10	140	<0.5	3	0.61	<0.5	8	30	38	2.22
DD019156		0.35	0.006	<0.2	1.67	4	<10	140	<0.5	<2	0.47	<0.5	9	29	121	2.44
DD019157		0.37	<0.005	<0.2	2.03	6	<10	220	0.5	<2	0.49	<0.5	9	33	75	2.80
DD019158		0.37	<0.005	<0.2	1.71	5	<10	190	<0.5	3	0.50	<0.5	9	30	48	2.49
DD019159		0.40	<0.005	<0.2	1.95	5	<10	210	<0.5	2	0.47	<0.5	9	36	43	2.52
DD019160		0.28	<0.005	<0.2	2.20	5	<10	150	0.5	<2	0.42	<0.5	12	36	23	2.81
DD019161		0.34	<0.005	<0.2	1.83	6	<10	180	<0.5	<2	0.42	<0.5	10	31	89	2.49
DD019162		0.31	<0.005	<0.2	2.20	8	<10	160	<0.5	<2	0.35	<0.5	10	38	37	2.91
DD019163		0.27	<0.005	<0.2	1.65	4	<10	150	<0.5	<2	0.29	<0.5	7	29	30	2.43
DD019164		0.27	<0.005	<0.2	2.13	9	<10	150	<0.5	<2	0.33	<0.5	10	37	26	2.89
DD019165		0.29	<0.005	<0.2	1.42	5	<10	120	<0.5	<2	0.36	<0.5	8	28	71	2.18
DD019166		0.35	<0.005	<0.2	1.79	6	<10	150	0.5	<2	0.34	<0.5	8	29	40	2.57
DD019167		0.35	<0.005	<0.2	1.86	7	<10	150	<0.5	<2	0.38	<0.5	8	34	20	2.78
DD019168		0.26	<0.005	<0.2	1.41	5	<10	140	<0.5	<2	0.42	<0.5	7	26	42	1.99
DD019169		0.33	<0.005	<0.2	1.68	5	<10	150	<0.5	<2	0.43	<0.5	10	33	36	2.54
DD019170		0.30	<0.005	<0.2	2.03	8	<10	190	<0.5	<2	0.38	<0.5	10	37	59	2.88
DD019171		0.26	<0.005	0.2	2.44	8	<10	150	0.5	<2	0.43	<0.5	10	39	41	2.85
DD019172		0.36	<0.005	<0.2	2.03	7	<10	150	<0.5	<2	0.41	<0.5	10	37	23	2.90
DD019173		0.40	<0.005	<0.2	1.86	6	<10	130	<0.5	<2	0.35	<0.5	10	37	37	2.68
DD019174		0.47	0.014	<0.2	1.55	6	<10	170	<0.5	<2	0.48	<0.5	13	41	64	2.87
DD019175		0.39	0.010	<0.2	1.76	8	<10	250	<0.5	<2	0.50	<0.5	12	38	46	2.72
DD019176		0.35	<0.005	0.2	1.88	7	<10	190	0.5	<2	0.52	<0.5	11	36	70	2.93
DD019177		0.36	0.008	<0.2	1.55	6	<10	170	<0.5	<2	0.45	<0.5	9	36	126	2.71
DD019178		0.38	<0.005	<0.2	1.86	5	<10	170	0.5	<2	0.54	<0.5	14	34	163	3.22
DD019179		0.32	<0.005	<0.2	0.85	3	<10	120	<0.5	<2	0.50	<0.5	7	14	131	1.76
DD019180		0.41	<0.005	<0.2	1.88	7	<10	170	<0.5	<2	0.44	<0.5	9	38	29	2.64
DD019181		0.28	<0.005	0.2	2.43	10	<10	190	0.6	<2	0.40	<0.5	11	38	24	3.11
DD019182		0.30	<0.005	0.2	2.35	7	<10	180	0.5	<2	0.43	<0.5	9	38	21	2.80
DD019183		0.35	0.005	<0.2	1.85	6	<10	200	<0.5	<2	0.52	<0.5	8	33	37	2.50
DD019184		0.30	<0.005	0.2	2.20	6	<10	240	0.5	<2	0.52	<0.5	9	40	36	2.95
DD019185		0.38	<0.005	<0.2	1.94	8	<10	260	<0.5	<2	0.47	<0.5	11	35	57	2.85
DD019186		0.33	<0.005	<0.2	1.63	6	<10	150	<0.5	<2	0.38	<0.5	8	29	27	2.25
DD019187		0.36	0.005	<0.2	1.71	7	<10	160	<0.5	<2	0.49	<0.5	8	33	27	2.66
DD019188		0.32	<0.005	<0.2	1.74	6	<10	150	<0.5	<2	0.47	<0.5	10	36	28	2.69
DD019189		0.33	<0.005	<0.2	1.47	3	<10	210	<0.5	<2	0.54	<0.5	10	28	53	2.35
DD019190		0.34	<0.005	0.2	2.00	6	<10	310	0.5	<2	0.74	<0.5	12	42	113	3.05

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

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DD019151		10	<1	0.19	20	0.65	197	31	0.04	15	1030	6	0.03	<2	6	34
DD019152		10	<1	0.18	20	0.58	163	8	0.04	16	1040	3	0.08	<2	7	40
DD019153		10	<1	0.12	10	0.60	190	16	0.04	16	1180	5	0.03	<2	5	36
DD019154		<10	<1	0.10	10	0.58	313	<1	0.05	15	1110	4	0.01	<2	4	43
DD019155		10	<1	0.09	10	0.64	313	<1	0.04	17	1060	5	0.01	<2	5	40
DD019156		10	<1	0.15	20	0.69	237	1	0.03	15	1010	4	0.02	<2	4	24
DD019157		10	<1	0.14	10	0.71	343	1	0.03	18	620	4	0.02	<2	5	30
DD019158		10	<1	0.09	10	0.66	320	1	0.03	15	670	4	0.02	<2	4	32
DD019159		10	<1	0.11	10	0.70	349	1	0.04	18	640	4	0.02	<2	5	30
DD019160		10	<1	0.11	10	0.68	394	1	0.03	16	480	7	0.01	<2	5	28
DD019161		10	<1	0.20	10	0.67	326	<1	0.03	20	780	4	0.02	<2	4	22
DD019162		10	<1	0.13	10	0.75	297	1	0.03	19	480	5	0.02	<2	5	24
DD019163		10	<1	0.08	10	0.48	245	1	0.03	11	370	6	0.02	<2	4	26
DD019164		10	<1	0.13	10	0.68	272	<1	0.02	20	420	7	0.01	<2	5	22
DD019165		<10	<1	0.07	10	0.52	219	<1	0.02	16	720	3	0.01	<2	3	19
DD019166		10	<1	0.08	10	0.50	242	<1	0.02	15	600	5	0.01	<2	4	24
DD019167		10	<1	0.09	10	0.67	259	<1	0.02	16	310	4	0.01	<2	4	23
DD019168		<10	<1	0.07	10	0.52	210	<1	0.03	13	810	2	0.03	<2	3	27
DD019169		10	<1	0.11	10	0.61	310	<1	0.02	19	760	4	0.01	<2	4	23
DD019170		10	<1	0.09	10	0.66	312	<1	0.02	20	470	5	0.01	<2	5	27
DD019171		10	<1	0.09	10	0.72	263	<1	0.02	22	390	5	0.02	<2	5	29
DD019172		10	<1	0.11	10	0.69	269	<1	0.02	21	470	4	0.01	<2	5	27
DD019173		<10	<1	0.08	10	0.63	254	<1	0.02	21	560	4	0.01	<2	4	22
DD019174		10	<1	0.11	20	0.70	337	1	0.03	22	910	4	<0.01	<2	4	22
DD019175		10	1	0.11	10	0.73	432	<1	0.03	24	510	5	0.02	<2	4	31
DD019176		10	<1	0.08	10	0.66	392	<1	0.02	17	760	4	0.05	<2	5	36
DD019177		10	<1	0.11	10	0.68	297	<1	0.02	18	640	5	0.01	<2	5	27
DD019178		10	<1	0.11	10	0.89	396	1	0.02	21	950	7	0.02	<2	5	30
DD019179		<10	1	0.04	10	0.31	278	<1	0.03	8	770	2	0.05	<2	2	35
DD019180		10	<1	0.12	10	0.72	300	<1	0.02	23	750	5	0.01	<2	4	27
DD019181		10	<1	0.13	10	0.73	378	<1	0.02	19	520	7	0.01	<2	5	29
DD019182		10	1	0.10	10	0.70	295	<1	0.02	19	440	6	0.01	<2	5	31
DD019183		10	<1	0.10	10	0.68	292	<1	0.02	16	510	5	0.01	<2	4	28
DD019184		10	1	0.12	10	0.75	356	<1	0.02	20	440	5	0.01	<2	6	34
DD019185		10	<1	0.14	10	0.74	459	<1	0.03	22	460	6	0.01	<2	5	27
DD019186		<10	<1	0.10	10	0.60	265	<1	0.02	17	390	3	0.01	<2	4	23
DD019187		10	<1	0.12	10	0.70	296	<1	0.02	18	510	5	0.01	<2	4	27
DD019188		10	<1	0.15	10	0.75	422	<1	0.02	20	520	5	0.01	<2	4	27
DD019189		10	1	0.09	10	0.58	473	1	0.03	13	900	3	0.04	<2	3	32
DD019190		10	<1	0.13	10	0.83	597	1	0.02	21	1190	6	0.03	2	5	44

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

ALS Canada Ltd.

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To: **STRATEGIC METALS LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2014
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Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
DD019151		<20	0.13	<10	<10	60	<10	68
DD019152		<20	0.10	<10	10	54	<10	88
DD019153		<20	0.10	<10	<10	56	<10	68
DD019154		<20	0.13	<10	<10	52	<10	42
DD019155		<20	0.14	<10	<10	55	<10	43
DD019156		<20	0.14	<10	<10	60	<10	38
DD019157		<20	0.13	<10	<10	67	<10	52
DD019158		<20	0.12	<10	<10	60	<10	46
DD019159		<20	0.13	<10	<10	60	<10	45
DD019160		<20	0.14	<10	<10	72	<10	55
DD019161		<20	0.13	<10	<10	59	<10	38
DD019162		<20	0.14	<10	<10	70	<10	52
DD019163		<20	0.13	<10	<10	72	<10	41
DD019164		<20	0.16	<10	<10	74	<10	45
DD019165		<20	0.11	<10	<10	56	<10	29
DD019166		<20	0.12	<10	<10	63	<10	38
DD019167		<20	0.15	<10	<10	71	<10	43
DD019168		<20	0.10	<10	<10	52	<10	35
DD019169		<20	0.13	<10	<10	62	<10	38
DD019170		<20	0.14	<10	<10	74	<10	49
DD019171		<20	0.15	<10	<10	71	<10	46
DD019172		<20	0.15	<10	<10	72	<10	46
DD019173		<20	0.13	<10	<10	68	<10	36
DD019174		<20	0.14	<10	<10	71	<10	38
DD019175		<20	0.14	<10	<10	65	<10	48
DD019176		<20	0.12	<10	<10	73	<10	42
DD019177		<20	0.15	<10	<10	72	<10	42
DD019178		<20	0.17	<10	<10	89	<10	65
DD019179		<20	0.09	<10	<10	52	<10	31
DD019180		<20	0.15	<10	<10	66	<10	45
DD019181		<20	0.16	<10	<10	76	<10	59
DD019182		<20	0.15	<10	<10	71	<10	51
DD019183		<20	0.14	<10	<10	65	<10	46
DD019184		<20	0.15	<10	<10	75	<10	54
DD019185		<20	0.15	<10	<10	67	<10	52
DD019186		<20	0.12	<10	<10	53	<10	42
DD019187		<20	0.13	<10	<10	64	<10	52
DD019188		<20	0.16	<10	<10	68	<10	54
DD019189		<20	0.10	<10	<10	61	<10	52
DD019190		<20	0.12	<10	<10	73	<10	83

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

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DD019191		0.28	<0.005	<0.2	2.41	6	<10	350	0.6	<2	0.74	<0.5	16	42	132	2.80
DD019192		0.24	0.005	0.3	2.38	4	<10	440	0.7	<2	0.78	<0.5	9	38	202	2.10
DD019193		0.33	<0.005	<0.2	1.74	5	<10	190	<0.5	<2	0.57	<0.5	11	36	69	2.95
DD019194		0.39	<0.005	<0.2	1.90	5	<10	220	0.5	<2	0.58	<0.5	9	33	90	2.52
DD019195		0.17	<0.005	0.2	1.46	2	<10	270	<0.5	<2	0.59	<0.5	6	24	89	1.69
DD019196		0.29	<0.005	<0.2	2.39	8	<10	350	0.7	<2	0.78	<0.5	11	41	189	3.69
DD019197		0.22	<0.005	<0.2	1.83	3	<10	270	<0.5	<2	0.75	<0.5	8	36	76	2.54
DD019198		0.33	<0.005	<0.2	1.86	6	<10	300	<0.5	<2	0.82	<0.5	7	35	100	2.32
DD019199		0.36	<0.005	<0.2	1.56	4	<10	140	<0.5	<2	0.42	<0.5	9	26	22	2.27
DD019200		0.37	<0.005	<0.2	1.65	8	<10	190	<0.5	<2	0.86	<0.5	10	35	34	2.68
DD019396		0.47	0.010	0.3	1.85	6	<10	340	<0.5	<2	0.94	<0.5	13	43	301	3.28
DD019397		0.26	<0.005	<0.2	1.88	3	<10	320	<0.5	<2	0.92	<0.5	8	40	109	2.43
DD019398		0.32	<0.005	0.3	2.33	7	<10	510	0.7	<2	0.76	<0.5	14	42	158	3.17
DD019399		0.32	<0.005	<0.2	1.64	7	<10	130	<0.5	<2	0.40	<0.5	9	37	35	2.62
ZZ43096		0.33	<0.005	<0.2	1.82	11	<10	200	0.5	<2	0.38	<0.5	9	50	43	2.48
ZZ43097		0.37	0.029	0.2	1.88	6	<10	240	<0.5	<2	0.48	<0.5	12	35	41	2.58
ZZ43098		0.29	<0.005	<0.2	1.96	6	<10	200	<0.5	<2	0.50	<0.5	9	36	30	2.60
ZZ43099		0.35	<0.005	<0.2	1.79	6	<10	180	<0.5	<2	0.44	<0.5	9	33	23	2.55
DD001981		0.33	<0.005	<0.2	1.98	6	<10	140	<0.5	<2	0.31	<0.5	8	30	16	2.66
DD001982		0.38	<0.005	<0.2	1.71	6	<10	190	<0.5	<2	0.58	<0.5	10	35	45	2.64
DD001983		0.45	<0.005	<0.2	1.58	7	<10	170	<0.5	<2	0.49	<0.5	7	31	69	2.44
DD001984		0.31	0.009	<0.2	1.28	4	<10	130	<0.5	<2	0.37	<0.5	6	23	21	1.94
DD019046		0.39	<0.005	<0.2	1.47	6	<10	180	<0.5	<2	0.48	<0.5	8	29	27	2.33
DD019047		0.31	<0.005	<0.2	1.88	7	<10	140	<0.5	<2	0.44	<0.5	9	35	16	2.88
DD019048		0.32	<0.005	<0.2	2.22	8	<10	190	0.6	<2	0.41	<0.5	12	40	38	2.82
DD019049		0.27	<0.005	0.2	1.74	5	<10	130	<0.5	<2	0.30	<0.5	12	31	17	2.60
DD019050		0.28	<0.005	<0.2	1.84	5	<10	170	<0.5	<2	0.46	<0.5	6	31	12	2.31
DD019051		0.31	<0.005	<0.2	2.34	7	<10	120	0.5	<2	0.34	<0.5	10	37	46	2.74
DD019052		0.37	<0.005	0.2	2.31	7	<10	200	0.5	<2	0.57	<0.5	11	41	55	3.09
DD019053		0.33	<0.005	<0.2	2.17	11	<10	310	0.5	<2	0.65	<0.5	14	40	43	2.90
DD019054		0.34	0.027	<0.2	1.78	7	<10	130	<0.5	<2	0.50	<0.5	9	29	26	2.12
DD019055		0.39	0.006	<0.2	2.16	6	<10	170	0.6	<2	0.40	<0.5	11	36	39	2.57
DD019056		0.34	0.011	<0.2	1.86	5	<10	250	<0.5	<2	0.63	<0.5	8	35	71	2.54
DD019057		0.27	0.006	<0.2	2.11	8	<10	290	0.5	<2	0.88	<0.5	12	42	144	3.30
DD019058		0.30	<0.005	<0.2	2.09	8	<10	100	<0.5	<2	0.26	<0.5	12	76	128	3.49
DD019059		0.38	<0.005	<0.2	2.02	7	<10	190	0.5	<2	0.39	<0.5	20	62	57	2.76
DD019060		0.37	<0.005	0.2	2.04	6	<10	340	0.5	<2	0.76	<0.5	11	45	189	2.76
DD019061		0.31	<0.005	<0.2	2.05	8	<10	210	0.5	<2	0.85	<0.5	13	44	47	3.09
DD019062		0.34	0.007	0.2	2.03	6	<10	250	0.5	<2	0.91	<0.5	12	41	154	2.90
DD019063		0.30	0.006	<0.2	2.28	4	<10	200	0.7	<2	0.60	<0.5	14	42	383	3.07

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

ALS Minerals

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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Method / Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
DD019191	10	<1	0.16	20	0.90	452	<1	0.02	23	1140	6	0.05	<2	6	45
DD019192	10	<1	0.17	30	0.76	196	<1	0.03	20	1140	5	0.07	<2	9	45
DD019193	10	<1	0.12	10	0.79	339	<1	0.03	16	840	5	0.01	<2	5	32
DD019194	10	<1	0.12	10	0.79	258	<1	0.03	17	910	3	0.01	<2	6	35
DD019195	<10	<1	0.07	10	0.43	165	<1	0.04	11	890	2	0.07	<2	4	39
DD019196	10	1	0.11	20	0.93	236	2	0.02	19	1130	5	0.04	<2	8	48
DD019197	10	<1	0.11	20	0.62	190	<1	0.03	15	1150	4	0.04	<2	6	45
DD019198	10	<1	0.14	20	0.66	228	4	0.04	16	1130	5	0.03	<2	6	50
DD019199	10	<1	0.09	10	0.48	292	<1	0.03	13	560	5	0.01	2	3	24
DD019200	<10	<1	0.20	10	0.69	407	<1	0.04	23	1230	6	<0.01	<2	6	47
DD019396	10	<1	0.30	20	1.05	380	5	0.02	20	1270	4	0.04	<2	7	53
DD019397	10	<1	0.12	10	0.74	191	1	0.03	19	1290	3	0.07	<2	5	50
DD019398	10	1	0.12	20	0.83	644	<1	0.03	29	900	8	0.03	<2	6	59
DD019399	10	<1	0.12	10	0.74	266	<1	0.02	25	510	5	0.01	<2	4	22
ZZ43096	<10	<1	0.12	10	0.69	311	<1	0.02	34	430	5	0.02	<2	4	26
ZZ43097	10	<1	0.11	10	0.67	695	<1	0.02	19	570	6	0.02	<2	4	32
ZZ43098	10	<1	0.12	10	0.72	333	<1	0.02	19	640	4	0.01	<2	4	30
ZZ43099	10	<1	0.11	10	0.69	353	<1	0.02	19	650	4	0.01	<2	4	26
DD001981	10	1	0.10	10	0.53	276	<1	0.02	15	450	6	0.01	<2	4	27
DD001982	<10	<1	0.11	10	0.70	403	3	0.03	22	540	5	0.03	<2	4	35
DD001983	10	1	0.12	10	0.68	246	2	0.02	18	470	5	0.02	2	4	28
DD001984	10	<1	0.08	10	0.40	284	<1	0.02	12	630	4	0.03	<2	2	27
DD019046	<10	<1	0.13	10	0.64	277	<1	0.02	19	500	5	0.01	<2	4	29
DD019047	10	1	0.13	10	0.73	291	1	0.02	19	350	4	0.01	<2	4	29
DD019048	10	<1	0.13	10	0.72	370	<1	0.02	28	610	7	0.01	<2	5	28
DD019049	10	<1	0.09	10	0.46	621	1	0.02	12	380	7	0.01	<2	4	25
DD019050	10	<1	0.09	10	0.59	194	<1	0.02	15	300	6	0.01	<2	4	29
DD019051	10	<1	0.10	10	0.70	247	<1	0.02	21	180	4	<0.01	<2	5	24
DD019052	10	<1	0.12	10	0.80	311	<1	0.02	26	580	5	0.01	<2	6	32
DD019053	10	1	0.10	10	0.69	888	2	0.03	25	590	5	0.01	<2	6	40
DD019054	<10	<1	0.11	10	0.55	303	<1	0.03	21	950	4	0.01	<2	4	28
DD019055	10	1	0.11	10	0.71	258	1	0.02	26	670	4	0.01	<2	4	24
DD019056	10	<1	0.11	10	0.78	238	14	0.02	27	430	4	0.02	<2	4	39
DD019057	10	<1	0.13	10	0.88	320	29	0.04	27	850	5	0.03	<2	6	66
DD019058	10	<1	0.16	10	0.90	236	1	0.02	53	230	5	0.06	<2	4	25
DD019059	10	<1	0.08	10	0.93	430	1	0.02	155	220	5	0.02	<2	5	32
DD019060	10	<1	0.18	20	0.86	310	1	0.03	42	460	5	0.02	<2	6	41
DD019061	10	<1	0.17	20	0.87	453	4	0.04	27	1030	7	0.02	<2	6	52
DD019062	10	<1	0.10	20	0.78	326	20	0.03	26	1080	7	0.05	2	5	58
DD019063	10	<1	0.24	20	0.79	423	10	0.03	28	800	6	0.02	<2	6	44

***** 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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method Analyte Units LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
DD019191		<20	0.13	<10	<10	75	<10	64
DD019192		<20	0.12	<10	<10	62	<10	58
DD019193		<20	0.17	<10	<10	70	<10	44
DD019194		<20	0.16	<10	<10	63	<10	45
DD019195		<20	0.09	<10	<10	42	<10	40
DD019196		<20	0.18	<10	10	86	<10	59
DD019197		<20	0.15	<10	10	63	<10	64
DD019198		<20	0.15	<10	<10	62	<10	78
DD019199		<20	0.13	<10	<10	61	<10	47
DD019200		<20	0.16	<10	<10	62	<10	61
DD019396		<20	0.18	<10	20	103	<10	69
DD019397		<20	0.12	<10	10	63	<10	72
DD019398		<20	0.13	<10	10	75	<10	61
DD019399		<20	0.16	<10	<10	59	<10	56
ZZ43096		<20	0.12	<10	<10	55	<10	48
ZZ43097		<20	0.11	<10	<10	62	<10	51
ZZ43098		<20	0.12	<10	<10	63	<10	49
ZZ43099		<20	0.11	<10	<10	61	<10	45
DD001981		<20	0.13	<10	<10	74	<10	46
DD001982		<20	0.12	<10	<10	59	<10	54
DD001983		<20	0.13	<10	<10	59	<10	54
DD001984		<20	0.10	<10	<10	53	<10	35
DD019046		<20	0.12	<10	<10	53	<10	44
DD019047		<20	0.16	<10	<10	69	<10	52
DD019048		<20	0.15	<10	<10	65	<10	48
DD019049		<20	0.14	<10	<10	66	<10	41
DD019050		<20	0.15	<10	<10	64	<10	40
DD019051		<20	0.15	<10	<10	72	<10	45
DD019052		<20	0.15	<10	<10	77	<10	52
DD019053		<20	0.15	<10	<10	70	<10	71
DD019054		<20	0.13	<10	<10	51	<10	35
DD019055		<20	0.13	<10	<10	52	<10	39
DD019056		<20	0.14	<10	<10	62	<10	58
DD019057		<20	0.14	<10	10	61	<10	61
DD019058		<20	0.22	<10	<10	80	<10	52
DD019059		<20	0.14	<10	<10	59	<10	37
DD019060		<20	0.14	<10	<10	57	<10	43
DD019061		<20	0.16	<10	<10	68	<10	61
DD019062		<20	0.12	<10	10	63	<10	55
DD019063		<20	0.14	<10	<10	60	<10	80

***** 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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method	WEI-21	Au-AA24	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
DD019064		0.33	<0.005	<0.2	1.66	5	<10	250	<0.5	<2	1.18	<0.5	9	36	130	2.45
DD019065		0.36	<0.005	<0.2	1.89	3	<10	160	<0.5	<2	0.50	<0.5	11	44	78	2.75
DD019066		0.43	<0.005	0.2	1.31	4	<10	200	<0.5	<2	0.76	<0.5	7	27	48	1.88
DD019067		0.37	<0.005	<0.2	1.80	8	<10	210	<0.5	<2	0.78	<0.5	11	41	49	2.94
DD019068		0.38	<0.005	<0.2	1.82	8	<10	260	0.5	<2	1.00	<0.5	12	41	39	2.78
DD019069		0.31	<0.005	<0.2	1.70	7	<10	230	<0.5	<2	0.95	<0.5	10	36	33	2.66
DD019070		0.40	<0.005	<0.2	1.77	5	<10	260	0.5	2	0.99	<0.5	12	42	49	2.52
DD019071		0.31	<0.005	<0.2	1.59	4	<10	200	<0.5	2	0.75	<0.5	8	34	30	2.39
DD019072		0.30	<0.005	0.2	1.82	4	<10	270	0.5	2	1.19	<0.5	8	41	51	2.01
DD019073		0.32	<0.005	<0.2	1.28	3	<10	250	<0.5	<2	0.91	<0.5	8	28	73	1.64
DD019074		0.32	<0.005	<0.2	1.67	4	<10	230	<0.5	<2	0.79	<0.5	9	37	68	2.42
DD019075		0.29	<0.005	<0.2	1.71	3	<10	290	<0.5	4	1.09	<0.5	10	38	110	2.54
DD019076		0.34	<0.005	<0.2	1.79	4	<10	170	<0.5	3	0.42	<0.5	9	40	70	2.53
DD019077		0.29	0.005	<0.2	1.88	5	<10	210	0.5	2	0.93	<0.5	13	45	93	3.04
DD019078		0.27	<0.005	<0.2	1.69	5	<10	180	<0.5	2	0.71	<0.5	10	39	44	2.52
DD019079		0.26	<0.005	<0.2	2.00	5	<10	210	<0.5	2	0.71	<0.5	12	45	46	2.72
DD019080		0.32	<0.005	<0.2	1.80	6	<10	190	<0.5	2	0.41	<0.5	10	37	51	2.40
DD019081		0.30	0.006	0.2	2.21	8	<10	80	0.6	2	0.30	<0.5	10	48	51	3.12
DD019082		0.29	<0.005	<0.2	1.90	6	<10	260	0.5	<2	0.85	<0.5	14	56	128	2.90
DD019083		0.26	0.006	<0.2	1.76	5	<10	210	<0.5	<2	0.87	<0.5	11	37	343	2.98
DD019084		0.34	<0.005	<0.2	2.01	4	<10	170	<0.5	2	0.42	<0.5	10	40	28	2.64
DD019085		0.34	<0.005	<0.2	1.83	6	<10	190	0.5	<2	0.70	<0.5	10	39	108	2.53
DD019086		0.29	0.005	<0.2	1.91	5	<10	270	<0.5	<2	1.09	<0.5	10	45	60	2.76
DD019087		0.33	0.018	<0.2	2.46	9	<10	180	0.8	2	0.91	<0.5	29	197	197	5.44
DD019088		0.34	<0.005	<0.2	2.47	5	<10	220	0.6	2	0.39	<0.5	18	45	53	3.40
DD019089		0.41	0.023	0.2	2.54	9	<10	100	0.5	4	0.30	<0.5	14	46	155	3.49
DD019090		0.36	<0.005	0.3	2.96	5	<10	180	0.5	2	0.26	<0.5	13	72	150	3.64
DD019091		0.42	0.014	0.5	2.16	6	<10	230	0.6	<2	0.76	<0.5	15	48	358	3.00
DD019092		0.32	0.010	0.5	2.84	22	<10	470	1.2	3	1.61	0.9	24	47	518	4.97
DD019093		0.32	<0.005	<0.2	2.00	7	<10	220	0.5	<2	0.43	<0.5	11	41	48	2.68
DD019094		0.36	<0.005	<0.2	1.87	6	<10	150	<0.5	2	0.50	<0.5	9	35	18	2.63
DD019095		0.45	<0.005	<0.2	1.60	3	<10	250	<0.5	<2	0.79	<0.5	11	45	100	2.40
DD019096		0.27	<0.005	0.2	2.03	5	<10	240	0.5	<2	0.72	<0.5	10	42	108	2.72
DD019097		0.29	0.005	<0.2	2.03	6	<10	120	0.6	<2	0.38	<0.5	17	77	152	2.63
DD019098		0.33	<0.005	<0.2	2.20	6	<10	370	<0.5	<2	0.74	<0.5	11	50	58	3.06
DD019099		0.29	<0.005	<0.2	1.89	5	<10	340	<0.5	<2	1.13	<0.5	10	41	82	2.93
DD019100		0.21	<0.005	<0.2	1.98	3	<10	350	0.5	<2	0.93	0.8	9	36	87	2.44
DD019101		0.30	<0.005	<0.2	1.63	3	<10	290	<0.5	2	0.85	<0.5	8	34	69	2.37
DD019102		0.29	<0.005	0.4	1.95	5	<10	340	0.5	<2	1.04	<0.5	18	43	122	3.32
DD019103		0.26	<0.005	<0.2	2.26	5	<10	170	0.5	3	0.50	<0.5	13	41	52	3.02

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

ALS Minerals

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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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description / Method / Analyte / Units / LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DD019064	10	1	0.15	20	0.69	305	6	0.04	19	1160	5	0.05	<2	5	62
DD019065	10	<1	0.10	20	0.80	324	<1	0.03	25	710	6	0.01	<2	5	30
DD019066	<10	<1	0.10	10	0.53	198	5	0.03	13	1070	4	0.03	<2	4	41
DD019067	10	<1	0.31	20	0.82	419	<1	0.05	25	1090	8	<0.01	<2	6	41
DD019068	10	<1	0.13	20	0.78	506	<1	0.03	23	950	6	0.04	<2	5	52
DD019069	10	1	0.17	20	0.69	354	1	0.03	20	790	7	0.06	<2	4	52
DD019070	10	1	0.21	20	0.74	271	1	0.03	24	940	7	0.07	<2	6	49
DD019071	10	<1	0.16	20	0.64	305	1	0.03	16	890	6	0.05	<2	4	44
DD019072	10	<1	0.20	20	0.72	259	6	0.03	21	970	8	0.14	<2	5	58
DD019073	<10	1	0.12	10	0.55	229	16	0.03	15	1020	5	0.10	<2	4	47
DD019074	10	1	0.09	20	0.70	229	3	0.03	20	1090	6	0.03	<2	5	44
DD019075	10	1	0.16	10	0.72	375	5	0.04	18	1100	6	0.05	<2	5	65
DD019076	10	<1	0.09	10	0.77	305	4	0.02	22	410	5	0.01	<2	4	28
DD019077	10	1	0.35	20	0.96	494	3	0.05	31	1180	10	0.01	<2	6	50
DD019078	10	<1	0.10	10	0.78	358	14	0.03	21	950	6	0.02	<2	5	42
DD019079	10	1	0.12	10	0.83	432	1	0.03	30	860	7	0.02	<2	5	43
DD019080	10	<1	0.07	10	0.65	368	1	0.02	18	300	5	0.01	<2	4	29
DD019081	10	1	0.17	10	0.81	203	2	0.02	28	210	8	0.02	<2	4	23
DD019082	10	<1	0.13	10	0.96	339	33	0.04	37	1060	7	0.02	<2	5	50
DD019083	10	<1	0.15	10	0.82	221	54	0.03	40	1080	3	0.04	<2	5	50
DD019084	10	<1	0.10	10	1.06	361	16	0.04	16	410	5	0.02	<2	6	30
DD019085	10	<1	0.10	10	0.86	249	12	0.03	25	920	5	0.03	<2	5	39
DD019086	10	1	0.07	10	0.73	216	68	0.03	18	1070	5	0.10	<2	5	61
DD019087	10	<1	0.10	10	1.60	600	16	0.03	131	2150	5	0.02	<2	6	42
DD019088	10	1	0.12	10	0.75	429	1	0.02	27	250	6	0.01	<2	5	30
DD019089	10	1	0.11	10	0.83	264	3	0.02	32	210	7	0.02	<2	5	22
DD019090	10	1	0.28	20	1.60	274	4	0.02	31	370	4	0.12	<2	8	36
DD019091	10	1	0.21	20	0.83	396	37	0.03	47	560	6	0.02	<2	7	38
DD019092	10	1	0.05	20	0.48	1065	172	0.03	31	5620	7	0.16	<2	8	77
DD019093	10	<1	0.12	10	0.81	310	1	0.03	26	620	5	0.01	<2	5	26
DD019094	10	<1	0.08	10	0.72	261	15	0.02	14	770	6	0.01	<2	5	28
DD019095	10	1	0.09	20	0.87	307	29	0.04	19	1260	4	0.02	<2	5	41
DD019096	10	1	0.10	10	0.81	254	5	0.03	25	930	7	0.03	<2	5	49
DD019097	10	1	0.10	10	0.99	248	2	0.03	111	730	4	0.02	<2	4	22
DD019098	10	1	0.14	10	0.95	413	10	0.03	27	440	8	0.02	<2	6	46
DD019099	10	1	0.12	10	0.87	490	19	0.04	21	1200	4	0.05	<2	5	65
DD019100	10	1	0.08	10	0.55	245	13	0.03	19	1050	5	0.11	<2	3	81
DD019101	10	1	0.12	10	0.63	239	3	0.03	19	450	5	0.03	<2	4	47
DD019102	10	1	0.11	20	0.79	619	6	0.03	24	740	9	0.04	<2	6	54
DD019103	10	1	0.12	10	0.82	550	4	0.03	22	490	7	0.01	<2	5	30

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

ALS Minerals
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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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
DD019064		<20	0.13	<10	10	53	<10	98
DD019065		<20	0.15	<10	<10	57	<10	48
DD019066		<20	0.12	<10	<10	47	<10	65
DD019067		<20	0.18	<10	<10	64	<10	68
DD019068		<20	0.14	<10	<10	58	<10	55
DD019069		<20	0.11	<10	<10	53	<10	62
DD019070		<20	0.14	<10	<10	58	<10	68
DD019071		<20	0.12	<10	<10	53	<10	69
DD019072		<20	0.13	<10	10	59	<10	93
DD019073		<20	0.11	<10	<10	51	<10	80
DD019074		<20	0.13	<10	<10	58	<10	50
DD019075		<20	0.13	<10	10	56	<10	92
DD019076		<20	0.14	<10	<10	60	<10	51
DD019077		<20	0.18	<10	<10	64	<10	74
DD019078		<20	0.14	<10	<10	58	<10	52
DD019079		<20	0.13	<10	<10	63	<10	54
DD019080		<20	0.13	<10	<10	68	<10	41
DD019081		<20	0.18	<10	<10	81	<10	44
DD019082		<20	0.14	<10	10	61	<10	54
DD019083		<20	0.15	<10	10	72	<10	51
DD019084		<20	0.17	<10	<10	68	<10	47
DD019085		<20	0.14	<10	<10	55	<10	43
DD019086		<20	0.13	<10	<10	65	<10	41
DD019087		<20	0.11	<10	<10	103	<10	57
DD019088		<20	0.15	<10	<10	87	<10	72
DD019089		<20	0.14	<10	<10	86	<10	59
DD019090		<20	0.27	<10	<10	83	<10	59
DD019091		<20	0.13	<10	<10	64	<10	55
DD019092		<20	0.07	<10	40	98	<10	48
DD019093		<20	0.13	<10	<10	60	<10	49
DD019094		<20	0.14	<10	<10	71	<10	44
DD019095		<20	0.13	<10	10	56	<10	56
DD019096		<20	0.12	<10	<10	61	<10	44
DD019097		<20	0.11	<10	<10	50	<10	37
DD019098		<20	0.15	<10	<10	65	<10	58
DD019099		<20	0.15	<10	10	61	10	64
DD019100		<20	0.09	<10	10	59	<10	57
DD019101		<20	0.11	<10	<10	53	<10	47
DD019102		<20	0.13	<10	<10	76	<10	80
DD019103		<20	0.15	<10	<10	70	<10	77

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

ALS Canada Ltd.

2103 Dollarton Hwy
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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: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
DD019104		0.29	<0.005	<0.2	1.95	5	<10	180	<0.5	<2	0.52	<0.5	11	38	32	2.74
DD019105		0.25	<0.005	<0.2	1.42	4	<10	160	<0.5	<2	0.77	<0.5	8	30	30	2.13
DD019106		0.31	<0.005	<0.2	1.15	3	<10	130	<0.5	<2	0.57	<0.5	7	22	18	1.65
DD019107		0.32	0.010	<0.2	1.44	5	<10	180	<0.5	<2	0.84	<0.5	9	34	32	1.74
DD019108		0.26	<0.005	<0.2	0.61	2	<10	130	<0.5	<2	0.67	<0.5	3	8	33	0.96
DD019109		0.40	<0.005	<0.2	1.34	4	<10	130	<0.5	<2	0.49	<0.5	8	26	23	1.96
DD019110		0.27	<0.005	<0.2	1.16	3	<10	120	<0.5	<2	0.61	<0.5	7	26	24	1.89
DD019111		0.28	<0.005	<0.2	1.39	4	<10	130	<0.5	<2	0.70	<0.5	7	29	19	2.02
DD019112		0.28	<0.005	<0.2	1.37	4	<10	120	<0.5	<2	0.54	<0.5	7	29	21	2.00
DD019113		0.31	<0.005	<0.2	1.79	5	<10	180	<0.5	<2	0.36	<0.5	9	33	55	2.48
DD019114		0.27	<0.005	<0.2	1.72	4	<10	230	<0.5	<2	0.95	<0.5	9	35	43	2.39
DD019115		0.26	<0.005	<0.2	1.34	5	<10	290	<0.5	<2	0.94	<0.5	6	27	57	1.68
DD019116		0.25	0.007	0.2	1.67	6	<10	330	0.5	<2	1.61	<0.5	9	41	312	2.24
DD019117		0.27	<0.005	<0.2	1.87	6	<10	290	<0.5	<2	0.58	<0.5	10	38	38	2.75
DD019118		0.39	0.009	<0.2	1.89	5	<10	140	0.5	<2	0.79	<0.5	14	52	247	2.93
DD019119		0.31	0.005	0.2	2.13	7	<10	100	0.7	<2	0.31	<0.5	13	47	183	2.94
DD019120		0.19	<0.005	<0.2	1.29	5	<10	580	<0.5	<2	1.91	<0.5	6	30	263	1.69
DD019121		0.24	<0.005	0.2	1.94	7	<10	180	<0.5	<2	0.44	<0.5	9	35	41	2.61
DD019122		0.26	<0.005	0.2	2.10	9	<10	150	0.5	<2	0.35	<0.5	12	42	50	2.83
DD019123		0.30	<0.005	<0.2	1.97	7	<10	200	<0.5	<2	0.68	<0.5	13	45	52	2.80
DD019124		0.26	0.013	<0.2	1.96	8	<10	130	0.5	<2	0.37	<0.5	12	43	86	2.70
DD019125		0.35	0.014	<0.2	1.54	7	<10	140	0.6	<2	0.55	<0.5	11	33	482	2.41
DD019126		0.37	<0.005	<0.2	3.00	8	<10	120	0.6	<2	0.24	<0.5	12	49	93	3.33
DD019127		0.32	<0.005	0.2	2.46	10	<10	190	0.5	<2	0.38	<0.5	12	46	101	3.11

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

ALS Canada Ltd.

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1016-510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
DD019104		10	<1	0.11	10	0.74	461	1	0.02	20	710	6	0.01	<2	5	33
DD019105		<10	<1	0.08	10	0.58	306	1	0.03	19	1170	8	0.03	<2	3	39
DD019106		<10	<1	0.09	10	0.44	324	1	0.03	13	990	4	0.01	<2	3	31
DD019107		<10	<1	0.19	20	0.65	190	6	0.03	21	980	6	0.08	<2	5	43
DD019108		<10	<1	0.04	<10	0.16	323	4	0.05	7	460	<2	0.04	<2	1	44
DD019109		<10	<1	0.09	10	0.51	339	<1	0.03	15	930	2	<0.01	<2	3	29
DD019110		<10	<1	0.12	10	0.52	290	<1	0.03	15	1100	5	<0.01	<2	4	34
DD019111		<10	1	0.09	10	0.58	257	<1	0.03	15	1160	6	0.01	<2	4	36
DD019112		<10	<1	0.10	10	0.59	255	1	0.03	15	980	4	<0.01	<2	4	29
DD019113		10	1	0.10	10	0.69	333	1	0.02	22	410	4	0.01	<2	4	24
DD019114		<10	1	0.10	10	0.68	407	1	0.04	19	870	5	0.03	<2	4	51
DD019115		<10	<1	0.06	10	0.48	157	2	0.04	15	980	3	0.08	<2	3	52
DD019116		<10	<1	0.14	10	0.75	394	8	0.04	30	1050	5	0.10	<2	5	113
DD019117		10	<1	0.12	10	0.83	352	5	0.03	23	260	5	0.01	<2	5	37
DD019118		10	<1	0.23	20	1.10	252	10	0.05	39	880	4	0.01	<2	6	44
DD019119		10	<1	0.08	10	0.89	208	1	0.03	42	290	5	0.02	<2	4	20
DD019120		<10	<1	0.06	10	0.51	162	33	0.03	17	900	3	0.25	<2	4	114
DD019121		10	<1	0.11	10	0.72	276	2	0.02	20	540	7	<0.01	<2	4	25
DD019122		10	<1	0.13	10	0.87	263	<1	0.02	27	440	5	0.01	<2	5	22
DD019123		10	<1	0.10	10	0.83	386	53	0.03	22	1170	5	0.03	<2	5	38
DD019124		10	<1	0.13	10	0.78	311	8	0.02	29	250	5	<0.01	2	5	25
DD019125		<10	<1	0.16	20	0.65	305	23	0.03	29	660	3	0.01	<2	5	29
DD019126		10	<1	0.15	10	0.98	323	<1	0.02	30	180	5	0.01	2	7	23
DD019127		10	<1	0.08	10	0.82	280	<1	0.02	31	280	5	0.01	<2	5	28

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

ALS Minerals

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

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

Finalized Date: 22-AUG-2014
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH14117465

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
DD019104		<20	0.14	<10	<10	67	<10	56
DD019105		<20	0.10	<10	<10	49	<10	45
DD019106		<20	0.10	<10	<10	40	<10	37
DD019107		<20	0.13	<10	<10	48	<10	70
DD019108		<20	0.05	<10	10	25	<10	20
DD019109		<20	0.11	<10	<10	47	<10	38
DD019110		<20	0.12	<10	<10	45	<10	39
DD019111		<20	0.12	<10	<10	48	<10	42
DD019112		<20	0.12	<10	<10	46	<10	38
DD019113		<20	0.12	<10	<10	53	<10	47
DD019114		<20	0.12	<10	<10	54	<10	48
DD019115		<20	0.10	<10	10	44	<10	49
DD019116		<20	0.12	<10	20	51	<10	68
DD019117		<20	0.15	<10	<10	64	<10	51
DD019118		<20	0.17	<10	<10	62	<10	48
DD019119		<20	0.13	<10	<10	47	10	33
DD019120		<20	0.08	<10	40	45	<10	43
DD019121		<20	0.14	<10	<10	62	<10	49
DD019122		<20	0.16	<10	<10	63	<10	43
DD019123		<20	0.14	<10	<10	60	<10	45
DD019124		<20	0.15	<10	<10	63	<10	46
DD019125		<20	0.13	<10	<10	54	<10	43
DD019126		<20	0.17	<10	<10	80	<10	64
DD019127		<20	0.13	<10	<10	78	<10	59

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

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CERTIFICATE OF ANALYSIS WH14117465

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:	LOG-22	SCR-41	WEI-21

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

Applies to Method:	Au-AA24	ME-ICP41

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

Sample Number:	M896210	UTM:	396662	mE	Nad83, Zone 8
Elevation:	m	UTM:	6796440	mN	

Comments: Specimen from 1 piece talus comprising hornblende-biotite granodiorite with fracture controlled mineralization. Limonite, cpy, tarnished py, silvery mineral (no Mo) and yellow gold - like mineral (tarnished cpy?)

Sample Number:	M898220	UTM:	396888	mE	Nad83, Zone 8
Elevation:	m	UTM:	6795082	mN	

Comments: A 2.3 m continuous chip sample was taken across a dioside rich skarn, which exhibits a sulfur precipitate on surface similar to the LV Zone mineralization; however, no silicified rocks were observed.

Sample Number:	M898221	UTM:	396931	mE	Nad83, Zone 8
Elevation:	m	UTM:	6795497	mN	

Comments: Garnet rich skarn with disseminated cp and moderate malachite stain. Quartz veining/sweats within the metasediments containing cp. Outcrop is discontinuous and has an 8 m strike length until it is covered by vegeatation to the north and south. A grab sample was taken.

Sample Number:	M898222	UTM:	396676	mE	Nad83, Zone 8
Elevation:	m	UTM:	6797277	mN	

Comments: Specimen 20 cm cubed of potassic altered hornblende-biotite granodiorite with high fracture density. Cpy heavily concentrated within fractures (none disseminated in GDR). Malachite and "live limonite" observed on fracture faces/seams.

Sample Number:	M898223	UTM:	396799	mE	Nad83, Zone 8
Elevation:	m	UTM:	6797234	mN	

Comments: Chlorite altered hornblende-biotite granodiorite (east side of vein) adjacent to chalcedony vein and argillic altered country rock. Sample comprises a 90 cm chip.

Rock Sample Descriptions

Property: Hopper

Sample Number:	M898224	UTM:	396799 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797234 mN	

Comments: Continuous chip sample across 25 cm argillic altered hornblende-bioitite granodiorite and chalcedony quartz vein. Quartz vein is approximately 2 cm wide and hosts cp and malachite stain within and near the vein selvages. The outcrop appears to be of a stockwork vein network with veins striking 048/66SE, 165/82NE. 060/26 SE.

Sample Number:	M898225	UTM:	396799 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797234 mN	

Comments: Same as M898223 but 65 cm continuous chip sample. Outcrop is ~ 8 m wide and 3 m high and trends into vegetation north into a recessive gully and stops at ~ 3 m from the south corner of the outcrop.

Sample Number:	M898226	UTM:	397576 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797238 mN	

Comments: Compsite chip sample over 2 m in historical trench-not bedrock. Hornblende-biotite monzonite with purpule phenos hosting ~ 1% disseminated cp.

Sample Number:	M898227	UTM:	396858 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797366 mN	

Comments: Quartz carbonate-ankerite vein with malachite and cpy disseminated. Below ppy dyke outcrop.

Sample Number:	M898228	UTM:	398485 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797425 mN	

Comments: Mg to cg monzonite with ~ 0.1-1% cp disseminated throughout. Sample collected from actively weathering face from subcropy material. Elsewhere in the area is covered by glacial till. A prominent linear is found ~80 east of the outcrop and trends at 170 degrees. Trace quartz carb veining hosting cp and malachite mineralization observed in talus.

Sample Number:	M898278	UTM:	397743 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797258 mN	

Comments: Strongly chlorite altered monzonite. Medium grained, similar to hornblend granodioirte, but more altered. Hosts up to 5% dissemianted cpy and 10% disseminated magnetite. Outcrop extends over 14 m, however it trends into vegetation both north and south.

Sample Number:	M898279	UTM:	397414 mE	Nad83, Zone 8
Elevation:	m	UTM:	6798218 mN	

Comments: Historical bulldozer trench. Crowded plag porphyry. Fx 190/75E and 133/65S. Cuts metasedimentary package.

Sample Number:	M898280	UTM:	397040 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797897 mN	

Comments: Bleached diopside skarn? Similar looking to the LV Zone. Sulpher and rusty stained weathering surface and only found within 70x50 cm area on outcrop.

Sample Number:	M898281	UTM:	397151 mE	Nad83, Zone 8
Elevation:	m	UTM:	6798039 mN	

Comments: 3 m continuous chip sample . Zone with scordite staining? Withing diopside skarn. Exposed over 15 m along strike within cliff band

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Sample Number:	M898282	UTM:	397102 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797992 mN	

Comments: 2 m chip sample of diopside-actinolite skarn with manganese staining. The area seams to be similar to the LV Zone

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Sample Number:	M898283	UTM:	396879 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797861 mN	

Comments: Diopside skarn with trace to moderate fine grained sulphides and significant sulphide precipitate on survace. Horizon is approximately 2 m thick and carries over ~ 30 m - trends into vegetation both north and south along strike. Continuous chip sample over 2 m.

Sample Number:	M898284	UTM:	396760 mE	Nad83, Zone 8
Elevation:	m	UTM:	6797663 mN	

Comments: Quartz carb veining and andesite dykes cross cutting weakly mineralized diopside skarn with biotite(?) - disseminated cpy. Quartz-carb veins appear to be causing endoskarning on the dyke and also appears to host most of the cpy mineralization. A continuous chip sample was taken across 50 cm, which included the 2 cm quartz-carb vein and the skarn. The outcrop is exposed over 4 m and trends into vegetation both north and south.

Sample Number:	M898285	UTM:	397310 mE	Nad83, Zone 8
Elevation:	m	UTM:	6798136 mN	

Comments: Pale green diopside skarn (fizzes with HCL) with calcite flooding, where blebby po and cpy (replacing?) occur within the calcite blebs/veins or near its margin. A north-south trending linear is located ~ 20 m southwest of the historical trench. The sample was high grade float. The skarn horizon appears to be a lens and pinches out towards the NE into marble and trends into vegetation to the southwest. A quartz-carb vein cuts through the skarn (mineralizer?). The skarn occurs over a 6 m strike length in outcrop.

Sample Number:	M898286	UTM:	397310 mE	Nad83, Zone 8
Elevation:	m	UTM:	6798136 mN	

Comments: Diopside-actinolite skarn hosting cpy, chalocite(?) and bornite(?). Cyp is blebby (up to 1 cm blebs). Sample is high grade and taken as float within the trench. The skarn horizon appears to be a lens and pinches out towards the NE into marble and trends into vegetation to the southwest. A quartz-carb vein cuts through the skarn (mineralizer?). The skarn occurs over a 6 m strike length in outcrop.

Sample Number:	M898287	UTM:	397468 mE	Nad83, Zone 8
Elevation:	m	UTM:	6798518 mN	

Comments: Actinolite-diopside skarn with blebby to fine grained cpy (up to 1%). Skarn horizon is 2 m thick (may be wider if trenched) and a continuous chip sample was taken across it. The skarn horizon trends into vegetation S-Sw and into marble/weaker skarn and then into vegetation to the N-NE

Sample Number:	M898288	UTM:	397610	mE	Nad83, Zone 8
Elevation:	m	UTM:	6798576	mN	

Comments: Diopside-actinolite +/- po +/-magnetite skarn with up to 1% cpy. Mineralization appears to be attributed to the crowded plag porphyry dyke, which flanks the mineralized skarn. The skarn is exposed over 4 m in strike length and is 1.5 m wide. A continuous chip sample was taken across the 1.5 m exposure.

Sample Number:	M898289	UTM:	397500	mE	Nad83, Zone 8
Elevation:	m	UTM:	6798786	mN	

Comments: ~ 10 cm band of altered marble-epidote skarn with strong cpy and malachtie. Appears to be a small lense, could not trace it over 1 m in outcrop.

Sample Number:	M898290	UTM:	399737	mE	Nad83, Zone 8
Elevation:	m	UTM:	6797044	mN	

Comments: Fracture hosed cpy within biotite granodiorite. Sample taken from large felsenmeer covered slope above large snow patch. Mineralization hosted in chlorite altered fractures and it is trace

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Sample Number:	M898291	UTM:	398757	mE	Nad83, Zone 8
Elevation:	m	UTM:	6797328	mN	

Comments: Quartz vein found in float. Appears to have eroded off andesite dyke (trend 030/85E). Vein is up to 5 cm, and hosts up to 10% cpy.

Sample Number:	M898292	UTM:	397366	mE	Nad83, Zone 8
Elevation:	m	UTM:	6793422	mN	

Comments: Grab sample of marble with trace limonite pits/laths.

Sample Number:	M898293	UTM:	396457	mE	Nad83, Zone 8
Elevation:	m	UTM:	6797346	mN	

Comments: Specimen sample - 6 piece quartz vein with limonite bands and coarse - blebby cpy. Continuation of vein cut by trench to north?

APPENDIX V

GEOLOGICAL AND GEOTECHNICAL LOGS

Rockhaven RESOURCES LTD.

Hopper - Hopper

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397113	6795109	1235	445.31

ZONE: Hopper

SECTION:

HOLE: HOP-15-001

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 3.05m, Out

Drilling Dates: Jun 19 - Jun 27, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
15.24	269.1	-69.7	Ranger
441.96	284.1	-71.6	Ranger

TARGET: LV Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.9	3.9	OVB
3.9	8.41	4.51	CSL
8.41	13.41	5	FAP
13.41	14.77	1.36	CSL
14.77	16.12	1.35	FAP
16.12	26.75	10.63	CSL
26.75	27.51	0.76	HBS
27.51	28.96	1.45	CSL
28.96	31.44	2.48	HBS
31.44	32.45	1.01	CSL
32.45	33.8	1.35	HBS
33.8	36.71	2.91	SKN
36.71	39.53	2.82	HBS
39.53	40.28	0.75	HBS
40.28	41.01	0.73	SKN
41.01	41.08	0.07	AND

SAMPLES	
Numbers:	R500001 to R500188
Total:	188
Batch:	001, 002, 003, 004, 005, 006
Certificates:	WH15092868, WH15096323, WH15096324, WH15096326, WH15096328, WH15096347

COMMENTS
The hole hit 9 variably mineralized horizons including the LV zone.

41.08	44.3	3.22	CSL
44.3	47.22	2.92	HBS
47.22	55.43	8.21	CSL
55.43	59.76	4.33	HBS
59.76	64.49	4.73	SKN
64.49	68.19	3.7	CSL
68.19	71.22	3.03	HBS
71.22	71.4	0.18	SKN
71.4	73.53	2.13	HBS
73.53	75.82	2.29	CSL
75.82	77.97	2.15	HBS
77.97	81.92	3.95	SKN
81.92	86.45	4.53	HBS
86.45	93.88	7.43	SKN
93.88	108.52	14.64	HBS
108.52	111.52	3	HBS
111.52	117.06	5.54	HBS
117.06	118.55	1.49	CSL
118.55	119.27	0.72	SKN
119.27	119.64	0.37	FAP
119.64	123.08	3.44	CSL
123.08	123.25	0.17	FAP
123.25	134.68	11.43	SKN
134.68	137.08	2.4	HBS
137.08	138	0.92	FFP
138	140.74	2.74	HBS
140.74	142.74	2	HBS
142.74	147.07	4.33	HBS
147.07	148.25	1.18	GBS
148.25	162.89	14.64	GBS
162.89	170.44	7.55	HBS
170.44	172.62	2.18	AND

172.62	173.59	0.97	HBS
173.59	174.6	1.01	AND
174.6	177.94	3.34	HBS
177.94	184.4	6.46	AND
184.4	185.1	0.7	HBS
185.1	187.21	2.11	AND
187.21	195.52	8.31	DAC
195.52	198.19	2.67	HBS
198.19	198.97	0.78	MBL
198.97	208.5	9.53	HBS
208.5	209.7	1.2	DAC
209.7	215.88	6.18	HBS
215.88	219.34	3.46	SKN
219.34	225.72	6.38	HBS
225.72	228.82	3.1	CSL
228.82	231.32	2.5	HBS
231.32	236.37	5.05	CSL
236.37	246.24	9.87	MBL
246.24	249.81	3.57	HBS
249.81	250.33	0.52	AND
250.33	257.86	7.53	HBS
257.86	262.19	4.33	SKN
262.19	263.84	1.65	HBS
263.84	264.56	0.72	SKN
264.56	275.79	11.23	HBS
275.79	277.41	1.62	CSL
277.41	281.16	3.75	AND
281.16	284.29	3.13	HBS
284.29	286.94	2.65	SKN
286.94	300.01	13.07	HBS
300.01	300.46	0.45	SKN
300.46	301.23	0.77	HBS

301.23	303.14	1.91	SKN
303.14	323.57	20.43	HBS
323.57	351.62	28.05	QBS
351.62	361.76	10.14	SKN
361.76	390.46	28.7	QBS
390.46	424.06	33.6	GRD
424.06	445.31	21.25	QBS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	3.90	3.90	OVB	--	overburden							
						--	--	---	---	--	--	0

3.90	7.92	4.02	CSL	--	Light grey to medium green to dark grey, weakly silicified calc-silicate. Weakly fizzes with 10% HCl.							
						MD	GN		OXI	2I		
						LT	GY	BN	SIL	2I	--	0
						DK	GY					
7.92	8.41	0.49	CSL	FG	Medium green with minor light grey to dark grey bands (approaching pyroxene skarn).							
						MD	GN	BN	---	--	--	0
						LT	GY					
						DK	GY					
8.41	12.03	3.62	FAP	MG	Augite-feldspar porphyry dyke. Dark green to grey, variably oxidized along fractures with minor calcite veinlets. Trace pyrite found in one calcite vein.							
						DK	GY	PO	OXI	2I	Py	0.01
						DK	GN					
12.03	13.41	1.38	FAP	MG	Augite-feldspar porphyry dyke. Dark green to grey, strongly oxidized along fractures with moderate calcite veinlets and veins. Blebby pyrite found in one calcite 1 cm wide vein that cuts earlier calcite veins.							
						MD	OR					
						DK	GN	PO	OXI	3I	Py	0.1
						DK	GY					
13.41	14.77	1.36	CSL	FG	Rubbly-clay altered pyroxene calc-silicate at cop contact. Marble in centre of interval for approximately 22 cm. Strongly bleached and altered by sandwiching dykes. Minor garnet found disseminated within pyroxene calc-silicate to skarn.							
						LT	GY	MA				
						DK	GN	BN	BLE	2I	--	0
14.77	16.12	1.35	FAP	MG	Augite-feldspar porphyry dyke. Dark green to grey medium grained augite crystals. Fresh							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						DK	GN	PO	---	--	--	0
16.12	26.75	10.63	CSL	FG	Pale green to light grey to dark green, well banded calc-silicate. Intermittent intervals of more skarn looking rocks (pyroxene+/-garnet+/-epidote). Skarn makes up ~ 20-30% of interval. Moderate calcite veinlets found pervasively throughout.							
						MD	GN	Mo				
						LT	GY	BN	---	--	--	0
						DK	GY					
26.75	27.51	0.76	HBS	FG	Well foliated, dark green-grey, strongly chlorite altered hornfels-biotite-schist. Minor calcite veinlets along bedding.							
						DK	GN	FO	CHL	3I	--	0
						DK	GY					
27.51	28.96	1.45	CSL	MG	Pyroxene and calcite banded calc-silicate with interval of about 20 cm of pale green, massive calc-silicate with minor chlorite-calcite veinlets?							
						DK	GY	MA				
						DK	GN	BN	---	--	--	0
28.96	31.44	2.48	HBS	FG	Well foliated, dark green-grey, strongly chlorite? altered hornfels-biotite-schist. Minor calcite veinlets along bedding.							
						DK	GN	FO	CHL	3I	--	0
						DK	GY					
31.44	32.45	1.01	CSL	MG	Well banded, dominantly calc-silicate to pyroxene-epidote skarn with minor pale green massive calc-silicate							
						MD	GN	BN	---	--	--	0
						MD	GY					
						DK	GN	MA				
32.45	33.80	1.35	HBS	FG	Weakly magnetic, weakly to moderately oxidized, weakly siliceous and well foliated hornfels-biotite-schist. Minor oxidized calcite veinlets hosting trace blebby pyrite.							
						MD	GY		OXI	2I		
						DK	GY	FO	SIL	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.80	36.71	2.91	CSL	FG	Intermittent, well banded pyroxene--garnet-epidote, skarn to calc-silicate. Cut by moderate to strong steeply dipping calcite veinlets. Non-magnetic and weakly calcareous.							
						MD	GN	BN	---	--	--	0
						LT	GY	Mo				
36.71	39.53	2.82	HBS	FG	Strongly silicified hornfels-biotite-schist with small scale offsets of bedding defined by planes of gouge/clay of less than 1mm thick. Offsets are approximately 5mm, sinistral in nature and steeply dipping to the west.							
						LT	GY	FO	SIL	3I	--	0
						DK	GN					
						DK	GY					
39.53	40.28	0.75	HBS	FG	Well foliated, weakly oxidized hornfels-biotite-schist with minor calcite veinlets. Trace disseminated pyrite.							
						LT	GY					
						DK	GY	FO	OXI	1I	Py	0.1
40.28	41.01	0.73	CSL	FG	Mottled pyroxene-garnet-actinolite +/-epidote skarn above contact with augite porphyry andesite dyke. Contact marked by epidote alteration over approximately 2 centimetres. Trace fine grained disseminated pyrite near contact.							
						DK	GY	PO	EPI	1I	Py	0.1
						DK	GN					
41.01	41.08	0.07	DYK	MG	Andesitic dyke with approximately 3 cm wide calcite vein that cuts the dyke. Auguite crystsals up to 1 mm. Epidote alteration along contacts 2 centimetres wide.							
						DK	GN	PO	EPI	1I	--	0
						DK	GY					
41.08	43.29	2.21	CSL	FG	Well banded to mottled, light grey, dark grey, light green to dark green banded calc-silicate. Weakly to moderately calcareous with moderate calcite veinlets with oxide weathering pervasive throughout. Zone near end of interval comprising pale green to dark green actinolite (wavy, sheared and offset) with blebby and disseminated pyrrhotite.							
						LT	GY	BN	---	--	Po	0.1
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	Mo				
						DK	GN					
43.29	44.30	1.01	CSL	MG	Pale green to dark green actinolite (wavy, sheared and offset) with blebby and disseminated pyrrhotite.							
						LT	GN	SH	---	--	Po	1
						DK	GN					
44.30	47.22	2.92	HBS	FG	Strongly foliated, dark grey to green chlorite altered hornfels-biotite-schist. Weak oxidized staining along fractures.							
						DK	GY	FO	CHL	3I	--	0
						DK	GN					
47.22	55.43	8.21	CSL	MG	Well banded to mottled, light to dark grey, medium to dark green calc-silicate with minor intermittent quartz-biotite-schist (moderately chlorite altered). Zones with moderate silicification (light grey).							
						MD	GN					
						LT	GY	BN	CHL	2I	--	0
						DK	GN	Mo	SIL	2I		
						DK	GY					
55.43	59.76	4.33	HBS	FG	well foliated, moderately chlorite altered hornfels-biotite-schist with medium to coarse grained garnets disseminated intermittently. Minor quartz veins. Pyrrhotite tends to follow bedding. Chocolate brown stringers/blebs (chalcopyrite?) within horizon.							
						MD	GY					
						DK	GY	FO	CHL	2I	Po	2
						DK	GN					
59.76	64.49	4.73	SKN	FG	Weakly banded to mottled pyroxene-garnet skarn. Semi-massive chalcopyrite veinlets up to 0.7 centimetres. Intervals up to 15 cm with trace to weak (0.1-0.5%) chalcopyrite. Horizon hosts disseminated pyrrhotite and trace bornite? Minor quartz flooding. Chalcopyrite is associated with calcite veins/veinlets and found as semi-massive to blebby within them. Chalcopyrite vein is dipping vertically. Last 76 centimeters is actinolite-tremolite skarn with variable disseminated chalcopyrite and weakly to moderately magnetic (pyrrhotite).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Cp	0.1
											Mg	1
64.49	68.19	3.70	CSL	FG	Well banded dark grey, light grey, dark green to light green calc-silicate with trace disseminated pyrrhotite (intermittent). Local chlorite veins hosting trace blebby pyrite cutting bedding obliquely. Interval of about 20 centimetres hosting banded pyroxene-garnet-epidote skarny calc-silicate near end of interval.							
						MD	GN					
						LT	GY	BN	---	--	Po	0.1
						LT	GN				Py	0.01
						DK	GY					
68.19	71.22	3.03	HBS	FG	Well foliated, weakly to moderately chlorite altered hornfels-biotite-schist (veinlets/shears). These chlorite altered shear/veinlets offset bedding dextrally by about 2 millimetres. These structures comprise chlorite and quartz and host blebby disseminated chalcopyrite +/- pyrite and pyrrhotite.							
						MD	GY				Py	0.1
						DK	GY	FO	CHL	1I	Cp	0.1
											Po	1
71.22	71.40	0.18	SKN	MG	Tremolite-actinolite skarn hosting weak disseminated pyrrhotite with minor oxidized calcite veinlets. Tremolite and actinolite exhibit radial and needle crystals. Trace black stringers hosting blebby pyrite. Last 22 centimetres of zone is bleached and gougy-like (fault?).							
						LT	GY	---	---	--	Po	0.1
						DK	GN				Py	0.01
71.40	73.53	2.13	HBS	FG	Well foliated, minor chlorite altered hornfels-biotite-schist (veinlets/shears). These chlorite altered shear/veinlets offset bedding dextrally by about 2 millimetres. These structures comprise chlorite and quartz and host blebby disseminated chalcopyrite +/- pyrite and pyrrhotite.							
						DK	GY	FO	CHL	1I	Po	0.01
						DK	GN					
73.53	75.82	2.29	CSL	MG	Well banded pale-green-white and dark green bands with minor garnet bands near start of interval (over about first 15 centimetres). Trace pyrrhotite within garnet-pyroxene banded skarn.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	GY	BN	---	--	Po	0.01
						LT	GN					
						DK	GY					
75.82	77.97	2.15	HBS	FG	Well foliated, moderately chlorite altered and silicified hornfels-biotite-schist. Moderate chlorite-quartz veinlets found locally hosting disseminated/blebby pyrite.							
						LT	GY		SIL	3I		
						DK	GY	FO	CHL	2I	--	0
						DK	GN					
77.97	81.92	3.95	SKN	FG	Well banded to massive pyroxene, pyroxene-garnet+/-epidote skarn with minor intermittent quartz-biotite-schist. Minor chlorite and calcite veinlets with or without fine grained blebby pyrite. Minor chlorite-epidote veinlets within pyroxene-garnet skarn. Intermittent zones of blebby pyrrhotite associated with chlorite.							
						MD	GN	MA			Po	0.1
						LT	GN					
						DK	GN	BN	CHL	1I	Py	0.1
81.92	86.45	4.53	HBS	FG	Well foliated, weakly to moderately chlorite altered hornfels-biotite-schist (veinlets/shears). These structures comprise chlorite and quartz and host blebby disseminated pyrite and pyrrhotite with minor garnet blebs disseminated intermittently.							
						DK	GN	FO	CHL	2I	Py	0.1
						DK	GY					
86.45	90.60	4.15	SKN	FG	Mottled pyroxene-garnet skarn hosting intermittent blebby chalcopyrite and calcite veinlets with chalcopyrite stringers within the veinlets. Last 1.31 m of interval is strongly bleached (pale green) with minor to moderate chlorite stringers and calcite veinlets. Patches of epidote associated with chalcopyrite blebs/disseminations. Chlorite veinlets cut the epidote patches. Black pock marks disseminated in area with epidote.							
						MD	GN	Mo	EPI	2I	Cp	0.2
						DK	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
90.60	92.27	1.67	SKN	MG	Pyroxene-garnet-actinolite skarn hosting blebby and irregular patches of chalcopyrite (up to 3% over entire interval). Patches are up to 3 cm wide. Chalcopyrite appears to be rimmed by minor magnetite and earthy hematite? Zone is only weakly magnetic and moderately calcareous. Minor calcite veinlets found locally with earthy hematite? Selvages.							
						MD	GN				Mg	0.01
						DK	GN	Mo	---	--	Cp	3
92.27	93.88	1.61	CSL	FG	Pale to medium green with patchy irregular beige (calcite?). Zone of biotite alteration? Over about 8 cm hosting blebby disseminated chalcopyrite (1%). Moderate calcite veinlets generally oxidized. Strongly calcareous with minor disseminated pyrite.							
						MD	GN	---	OXI	2I	Cp	0.1
						LT	BG				Py	0.01
93.88	108.52	14.64	HBS	FG	Well foliated, moderate calcite and quartz veinlets hosted in hornfels-biotite-schist. Quartz veins up to 3 centimetres found locally, and are cut by later, oxidized carbonate stringers.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
108.52	111.52	3.00	HBS	FG	Moderately oxidized hornfels-biotite-schist. Strongly oxidized carbonate veinlets at approximately 20 per 10 centimetres. Local zone with earthy hematite stringers/blebs. Bladed/blebby black/dark green actinolite? Found within carbonate-altered patches.							
						DK	GY	FO	---	--	Py	0.1
						DK	PU					
111.52	117.06	5.54	HBS	FG	Well foliated, minor quartz veined (usually along bedding) hornfels-biotite-schist. Occasional quartz veinlets/veins will host trace pyrite +/- chalcopyrite.							
						DK	GY	FO	---	--	Py	0.1
						DK	PU				Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
117.06	118.55	1.49	CSL	FG	Dominantly well foliated dark green to medium green to light grey calc-silicate with approximately 15 cm massive pyroxene skarn to calc-silicate. Interval hosts 20 cm of hornfels-biotite-schist in centre. Small (5 cm) irregular/banded quartz-carbonate vein with offset veinlets of dark purple-red earthy hematite?							
						MD	GN	BN	---	--	--	0
						DK	GY	MA				
						DK	PU					
118.55	119.27	0.72	SKN	FG	Mottled to banded dark-med green, dark pink banded and light grey skarn. Well banded dark green and light grey calc-silicate and mottled pyroxene-garnet skarn. Disseminated pyrrhotite and pyrite within pyroxene-garnet skarn/calc-silicate.							
						LT	GY					
						DK	GN	Mo			Po	0.1
						DK	PK	BN			Py	0.1
119.27	119.64	0.37	FAP	CG	Dark grey to green, feldspar-augite porphyritic dyke. Irregular contact with dyke and calc-silicate.							
						DK	GY	PO	---	--	--	0
						DK	GN					
119.64	123.08	3.44	CSL	FG	Dark-green, medium green and light grey to white well banded calc-silicate with local intervals of garnet-pyroxene skarn (mottled) to calc-silicate. Minor epidote alteration of garnets.							
						MD	GN	Mo	EPI	1I	--	0
						LT	GY					
						DK	PK					
123.08	123.25	0.17	FAP	MG	dark grey to green, feldspar-augite porphyry dyke. Irregular contacts with calc-silicate.							
						DK	GN	PO	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
123.25	134.68	11.43	SKN	FG	Intermittent well banded medium green to light grey calc-silicate, garnet-pyroxene skarn (banded), massive medium green pyroxene skarn. Molybdenite is found locally over 20 centimetres (trace) as disseminated and up to 1x1 millimetres. Within mottled pyroxene-garnet calc-silicate, chalcopyrite is generally found with pyrite in chlorite? Veinlets. Pyrite with trace chalcopyrite is also hosted in calcite stringers, within marble. Overall, horizon is weakly to trace mineralized. Trace pyrrhotite found locally within pyroxene-garnet and pyroxene skarns/calc-silicates.							
						MD	GN	BN	---	--	Cp	0.01
						LT	GY				Po	0.01
						DK	PK	MA			Py	0.01
											mo	0.01
134.68	137.08	2.40	QBS	FG	Well foliated, dark grey to purple hornfels-biotite-schist. Hosts dissemianted pyrite pervasively. Minor ankerite veinlets to veins found locally and up to 2.5 cm. Last 15 centimetre interval of ankerite/oxidized with wavey flow banded foliation.							
						MD	GN					
						DK	GY	FO	---	--	Po	1
						DK	PK					
137.08	138.00	0.92	FFP	MG	Strongly altered feldspar porphyry dyke. Appears to be strongly bleached/clay altered with ankerite and carbonate veins found locally.							
						MD	GY					
						LT	GY	PO	CLY	3I	--	0
138.00	140.74	2.74	HBS	FG	Well foliated, dark grey to purple hornfels-biotite-schist hosting trace disseminated pyrite and pyrrhotite. Pyrite found within chlorite seams +/- cp.							
						DK	GY	FO	---	--	Po	1
						DK	PU				Py	0.1
140.74	142.74	2.00	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite-schist. Minor calcite-chlorite veinlets hosting disseminated/blebby pyrite.							
						DK	GY	FO	---	--	Py	0.5
						DK	PU				Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
142.74	147.07	4.33	HBS	FG	Well foliated, moderately hornfels biotite-schist with local garnet crystals up to 0.5x0.5 centimetres. Minor seams of calcite and chlorite veinlets hosting fine grained blebby pyrite. Fracture surface exposed a 1x1 millimetre bleb of native copper? Within and along these chlorite seams							
						DK	GY	FO	---	--	Cu	0.1
						DK	PU					
147.07	148.25	1.18	GBS	FG	Well foliated, moderately hornfels garnet-biotite-schist Minor seams of calcite and chlorite veinlets hosting fine grained blebby pyrite.							
						DK	GY	FO	---	--	Py	0.01
						DK	PU					
148.25	150.54	2.29	GBS	FG	Rubbly, strongly oxidized and gougy fault within garnet-biotite-schist.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
150.54	162.89	12.35	GBS	FG	Well foliated garnet-biotite-schist. Minor gougy zones ranging from 2-5 centimetres - steeply dipping structures.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
162.89	170.44	7.55	HBS	FG	Well foliated, hornfels-biotite-schist with local garnet crystals disseminated (up to 3 mm). Minor interbedded mottled pyroxene-garnet skarn (up to 1 m wide). Dark brown steeply dipping veinlets hosting blebby pyrite found pervasively throughout and along fractures as well.							
						MD	GN					
						LT	GY					
						DK	PU	MA				
						DK	GY	FO	---	--	Py	0.1
170.44	172.62	2.18	DYK	FG	Augite-epidote? Porphyritic dyke with epidote up to 0.5 centimetres. Epidote is anhedral and rimmed by trace pyrite. Feldspar altered to epidote?							
						DK	GN	PO	EPI	2I	Py	0.01
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
172.62	173.59	0.97	HBS	FG	Well foliated dark grey to purple and light grey hornfels-biotite-schist with minor steeply dipping structures (less than 1 mm thick) cutting schist. Structures host trace blebby pyrite and chlorite. Sinistral fault offsets with approximately 3 centimetres of movement.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
173.59	174.60	1.01	AND	FG	Fine grained trace augite-hornblende andesite-basalt crystals up to 1 millimetre disseminated. Trace calcite veinlets pervasive with minor zones of silicification.							
						DK	GY	---	SIL	2I	--	0
						DK	GN					
174.60	177.94	3.34	HBS	FG	Well foliated dark grey to purple hornfels-biotite-schist with minor zones of foliated dark green calc-silicate/chlorite altered hornfels-biotite-schist? Up to 15 centimetres thick. Zone exhibits clay/gouge seams up to 3 centimetres with faulting at end of contact. Dark brown/black needle-radial mineral found within minor quartz veining adjacent to 3 centimetre wide gouge/fault zone.							
						LT	GY					
						DK	GY	FO	CLY	2I	--	0
						DK	PU					
						DK	GN					
177.94	184.40	6.46	AND	FG	Moderately silicified, fine grained, dark grey-green basalt-andesite with trace augite crystals up to 0.1 millimetres. Minor oxidized-carbonate veinlets hosting trace blebby pyrite and chlorite/fault seams cut core at low angles (steeply dipping). Top contact is strongly altered (weakly gougy) and rubbly for approximately first 2 metres, with oxide staining on fractures and within rock itself.							
						DK	GY	---	OXI	3I	--	0
						DK	GY		SIL	2I		
184.40	185.10	0.70	HBS	FG	Well foliated dark grey to dark purple to light grey hornfels-biotite-schist with minor calcite veinlets.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
185.10	187.21	2.11	AND	FG	Fine grained, dark grey-green basalt-andesite with trace augite crystals up to 0.1 millimetres.							
						DK	GY	---	---	--	--	0
						DK	GN					
187.21	195.52	8.31	QFP	CG	Feldspar-porphyry dyke with hornblende crystals and a dacite composition. Medium grey to brown with strong chlorite altered seams and alteration of patchy groundmass. Strong pyrrhotite within chlorite seams and chlorite patches hosting pyrrhotite found as blebby and disseminations with blebs up to 2 x 2 centimetres.							
						MD	BN	PO	CHL	2I	Po	2
						LT	GY		SIL	2I	Py	2
195.52	198.19	2.67	HBS	FG	Well foliated hornfels-biotite-schist with trace pyrite disseminated along foliation. Small scale faults cut foliation and quartz bands.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
198.19	198.97	0.78	MBL	MG	Moderately to strongly silicified marble. Minor light green chlorite? Veinlets cutting core at shallow angle (steeply dipping structures) with trace pyrite.							
						LT	GY	MA	---	--	Py	0.1
198.97	208.50	9.53	HBS	FG	Well foliated hornfels-biotite-schist. Flow banded? Silicified horizons hosting chlorite/dark green seams with blebby pyrite +/- chalcopyrite. The seams are irregular and local, but host significant pyrite and chalcopyrite.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU				Cp	0.01
208.50	209.70	1.20	QFP	CG	Feldspar-porphyry dyke. Dacite in composition and minor chlorite alteration? Pyrrhotite is disseminated and blebby throughout.							
						MD	BN	PO	CHL	2I	Po	1
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.70	215.88	6.18	HBS	FG	Dominantly well foliated, dark grey to purple hornfels-biotite-schist with intermittent to banded and garnet calc-silicate (foliated) up to 20 centimetres. Make up approximately 20% of interval. Pyrite is found in chlorite seams and pyrrhotite disseminated mostly within hornfels-biotite-schist.							
						MD	GN					
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU				Po	0.1
215.88	219.34	3.46	SKN	MG	Medium green massive pyroxene skarn with disseminated black "pock marks" disseminated and found parallel to banding/foliation. Trace disseminated chalcopyrite and trace blebby garnet (local). Approximately 13 centimetres of moderately silicified marble hosting blebs of magnetite, being replaced by chalcopyrite and pyrite.							
						MD	GN	---	---	--	Py	0.1
								---			Cp	0.1
219.34	225.72	6.38	HBS	FG	Well foliated dark grey to purple to light grey hornfels-biotite-schist. Minor interval of calc-silicate (massive pyroxene) with shear textures with disseminated pyrite and chalcopyrite (1%. Local garnet crystals up to 0.5 centimetres associated with pyrrhotite. Minor silicified bands within hornfels-biotite-schist hosting blebby pyrite.							
						LT	GY				Po	0.1
						DK	GY	FO	---	--	Py	0.1
						DK	PU				Cp	0.01
225.72	228.82	3.10	CSL	FG	Interbedded pyroxene-actinolite skarn with semi-massive pyrrhotite and chalcopyrite up to 3% over about 34 centimetres, massive to weakly banded pyroxene and pale green calc-silicate with or without garnet. Interval of about 12 centimetres with massive pyroxene skarn with irregular to blebby black "pock marks" with blebby pyrite and trace chalcopyrite. End of interval is silicified marble for about 10 centimetres and hosts pyrrhotite associated with chalcopyrite (trace).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	SIL	2I	Cp	0.2
						LT	GY	BN			Po	0.5
228.82	231.32	2.50	HBS	FG	Well foliated hornfels-biotite-schist with pyrite stringers parallel to bedding found locally throughout. Minor garnet crystals disseminated throughout.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU					
231.32	236.37	5.05	CSL	FG	Banded light grey to dark grey calc-silicate with minor (about 5 centimetres) pyroxene skarn units. Blebby pyrite within quartz bands (trace).							
						LT	GY					
						DK	GY	BN	---	--	Py	0.1
236.37	246.24	9.87	MBL	FG	Banded light grey to dark grey calc-silicate with minor (approximately 5 centimetres) pyroxene skarn units. Blebby pyrite within quartz bands. Trace banded and impure massive marble with dark grey to black banks and serpentine bands. Massive marble is light to medium grey, medium grained. Irregular zones of semi-massive magnetite-pyrrhotite appear to follow banding and steeply dipping structures, but a lot of the time appear random. Minor chlorite bands up to 2 cm with trace pyrite found locally. Magnetite with or without pyrrhotite skarn hosts variable trace to moderate chalcopyrite as disseminations and stringers are found within the marble country rock, adjacent to the magnetite-pyrrhotite zones. Magnetite zones make up about 5% of interval.							
						MD	GN					
						LT	GY	BN	---	--	Cp	0.1
						LT	GN				Po	2
						DK	GY	MA			Py	0.1
246.24	249.81	3.57	HBS	FG	Weakly to moderately silicified, dark grey to purple to light grey well foliated hornfels-biotite-schist. Minor less than 1 millimetre seams/faults offset foliation by few centimetres. Local garnets (minor) trace pyrite along foliation and within chlorite seams.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
249.81	250.33	0.52	AND	FG	Non-magnetic, dark grey to green basalt-andesite with trace dark green hornblende and augite crystals up to 1 mm found disseminated.							
						DK	GN	MA	---	--	--	0
						DK	GY					
250.33	257.86	7.53	HBS	FG	Well foliated, dark grey to purple and light grey hornfels-biotite-schist with minor calcite veinlets along fractures. Fractures rusty and blebby to disseminated pyrite for about 50 centimetres of interval. Centre of interval is strongly silicified and shows relict hornblende-biotite-schist.							
						LT	GY					
						DK	GY	FO	SIL	2I	Py	0.1
						DK	PU					
257.86	262.19	4.33	SKN	FG	Dark green, pyroxene-actinolite-magnetite-pyrrhotite skarn with disseminated to blebby pyrite. Strong pyrite-chlorite? Stringers pervasive at 3 per 20 centimetres. Trace chalcopyrite is disseminated near pyrrhotite and with magnetite. Last 61 centimetres (261.51-262.19) is mylonized with irregular wavy and banded dark green to light green mottled-like texture. Disseminated pyrite and pyrrhotite with bands of pyrrhotite with trace chalcopyrite. Trace chalcopyrite disseminated throughout this interval.							
						LT	GN	Mo			Py	1
						DK	GN	MA	---	--	Cp	0.01
											Po	1
262.19	263.84	1.65	HBS	FG	Well foliated, dark grey to purple and light grey hornfels-biotite-schist with minor calcite veinlets along fractures. Tight folds with minor pyrite stringers (trace cpy).							
						LT	GY				Cp	0.01
						DK	GY	FO	---	--	Po	1
						DK	PU				Py	0.5
263.84	264.56	0.72	SKN	MG	Dark green, massive pyroxene-pyrrhotite skarn with relict wisps of biotite foliation. Minor epidote alteration with trace chalcopyrite.							
						MD	GN				Po	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	---	--	Py	1
											Cp	0.01
264.56	275.79	11.23	HBS	FG	Well foliated dark grey to purple to light grey hornfels-biotite-schist with minor chlorite seams hosting pyrrhotite and pyrite. Steep structures host pyrite and pyrrhotite +/- cpy. Minor intervals of banded epidote-garnet-pyroxene skarn with blebby chalcopyrite (0.1%) with disseminated pyrite (1%) and pyrrhotite (0.5%).							
						LT	GY				Cp	0.01
						DK	GY	FO	---	--	Py	1
						DK	PU				Po	0.1
275.79	277.41	1.62	CSL	FG	Well banded/foliated medium green pyroxene-garnet calc-silicate with disseminated blebby pyrite and pyrrhotite. Minor bands of strongly silicified calc-silicate for up to 5 centimetres with fine grained pyrite. Pyrite also along dark green thin seams.							
						MD	GN	BN	SIL	2I	Py	1
						DK	GN				Po	1
						DK	GY					
277.41	281.16	3.75	AND	FG	Fine grained dark grey to green andesite-basalt with crystals of hornblende and augite up to 1 mm. Trace disseminated pyrite.							
						DK	GN	---	---	--	Py	0.1
						DK	GY					
281.16	284.29	3.13	HBS	FG	Well foliated dark grey to purple and light grey hornfels-biotite-schist. Trace garnet crystals found locally (up to 1 millimetre). Disseminated pyrite found along biotite-foliations. 5 centimetre interval of calc-silicate with wavy relict biotite bedding.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.29	286.94	2.65	SKN	FG	Mottled to banded pyroxene- skarn with semi-massive magnetite-pyroxene skarn with magnetite being altered into hematite. Chalcopyrite is found within chlorite stringers within semi-massive magnetite skarn. Chalcopyrite is along blebby and disseminated throughout much of the interval (especially within pyroxene-actinolite skarn). Strong chalcopyrite seams up to 2 millimetres hosting along steeply dipping structures. Semi-massive magnetite skarn makes up approximately 15 centimetres of interval.							
						DK	GN	Mo	---	--	Cp	6
						DK	PK	BN			Po	2
											Py	1
286.94	300.01	13.07	HBS	FG	Well foliated, moderately to strongly silicified hornfels-biotite-schist. Zone exhibits minor offsets (sinistral) along steeply dipping structures. Local zones of garnet crystals up to 1 millimetre. Trace pyrite found along biotite foliations. Zones within hornfels-biotite-schist that are altered by epidote along then (less than 1 millimetre bands). Minor calc0silicate (pyroxene) up to 2 centimetres.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU					
300.01	300.46	0.45	SKN	MG	Well foliated, pyroxene-garnet-actinolite+/-epidote skarn with disseminated pyrite and chalcopyrite within actinolite-pyroxene bands.							
						DK	GN	FO	---	--	Cp	2
											Py	2
300.46	301.23	0.77	HBS	FG	Dark grey, dark purple, light grey, well foliated hornfels-biotite-schist with minor chlorite seams offsetting foliation by about 5 centimetres. Trace blebby pyrite within chlorite offset seams.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.5
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
301.23	303.14	1.91	SKN	FG	Well foliated/banded pyroxene-garnet-epidote skarn hosting blebby pyrite and trace disseminated chalcopyrite. Pyrite and chalcopyrite also found disseminated within chlorite seams cutting core at shallow angle (steeply dipping). Minor pyrrhotite within pyroxene bands.							
						DK	GN	---	EPI	1I	Cp	0.01
											Py	1
											Po	0.5
303.14	319.72	16.58	HBS	FG	Strongly silicified hornfels-biotite-schist with intervals up to 40 centimetres wide of strongly silicified milky to light grey quartz with relict hornfels-biotite-schist bedding. Strongly silicified zone about 30 centimetres wide hosts 2 centimetre wide quartz vein with weak disseminated Molybdenite and chalcopyrite. Medium green strongly silicified breccia with ankerite healing broken up schist and calc-silicate angular clasts with light grey quartz seams pervasive. Quartz seams cut core shallowly. One calc-silicate clasts with disseminated chalcopyrite and pyrite.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
						DK	PU					
319.72	321.09	1.37	HBS	FG	Medium green strongly silicified breccia with ankerite healing broken up schist and calc-silicate angular clasts with light grey quartz seams pervasive. Quartz seams cut core shallowly. One calc-silicate clasts with disseminated chalcopyrite and pyrite.							
						LT	OR	BX	OXI	1I	Py	0.1
						LT	GN					
						DK	GY					
						DK	GY		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
321.09	323.57	2.48	HBS	FG	Strongly silicified hornfels-biotite-schist with intervals up to 40 centimetres wide of strongly silicified milky to light grey quartz with relict hornfels-biotite-schist bedding. Strongly silicified zone about 30 centimetres wide hosts 2 centimetre wide quartz vein with weak disseminated Molybdenite and chalcopyrite. Medium green strongly silicified breccia with ankerite healing broken up schist and calc-silicate angular clasts with light grey quartz seams pervasive. Quartz seams cut core shallowly. One calc-silicate clasts with disseminated chalcopyrite and pyrite.							
						LT	GY					
						DK	PU	FO	---	--	Py	0.1
						DK	GY					
323.57	339.93	16.36	QBS	FG	Well foliated, interbedded, strongly chlorite altered quartz biotite schist with intermittent hornfels-biotite-schist. Dark green chlorite seams host disseminated blebby pyrite and chalcopyrite (2% and 0.5%, respectfully). Mineralized seams are cutting core shallowly (steeply dipping). Pyrite found disseminated within hornfels-biotite-schist and chlorite altered quartz-biotite-schist, while disseminated chalcopyrite is trace, but restricted to chlorite altered quartz-biotite-schist.							
						LT	GY					
						DK	GY	FO	CHL	5I	Py	1
						DK	PU				Cp	0.1
339.93	340.65	0.72	QBS	FG	Brecciated ankerite-carbonate. Breccia is strongly silicified with dark grey and pale green angular clasts up to 3 centimetres with dark grey matrix. Dark grey silicified matrix cuts earlier ankerite.							
						LT	OR	BX	SIL	3I	Py	0.1
						LT	GY					
						LT	GN					
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
340.65	351.62	10.97	QBS	FG	Well foliated, interbedded, strongly chlorite altered quartz biotite schist with intermittent hornfels-biotite-schist. Dark green chlorite seams host disseminated blebby pyrite and chalcopyrite (2% and 0.5%, respectfully). Mineralized seams are cutting core shallowly (steeply dipping). Pyrite found disseminated within hornfels-biotite-schist and chlorite altered quartz-biotite-schist, while disseminated chalcopyrite is trace, but restricted to chlorite altered quartz-biotite-schist.							
						LT	GY					
						DK	GY	FO	CHL	5I	Py	1
						DK	PU				Cp	0.1
						DK	GN					
351.62	360.23	8.61	SKN	MG	Blotchy to leopard-like textured pyroxene-actinolite-epidote skarn with magnetite and pyrrhotite. Chalcopyrite is found as blebs and disseminations throughout and particularly associated with epidote. Chalcopyrite is found in pyrite veins. Skarn is weakly calcareous and moderately to strongly magnetite.							
						DK	GN	---	---	--	Cp	0.5
											Po	2
											Py	5
360.23	361.13	0.90	SKN	MG	Quartz-carbonate breccia vein. Light to medium grey quartz matrix with orange crackle breccia and orange clasts. No visible sulphides.							
						MD	OR					
						DK	OR	BX	---	--	--	0
361.13	361.76	0.63	SKN	MG	Blotchy to leopard-like textured pyroxene-actinolite-epidote skarn with magnetite and pyrrhotite. Chalcopyrite is found as blebs and disseminations throughout and particularly associated with epidote. Chalcopyrite is found in pyrite veins. Skarn is weakly calcareous and moderately to strongly magnetite.							
						DK	GN	---	---	--	Cp	0.5
											Py	5
											Po	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
361.76	377.24	15.48	QBS	FG	Well foliated, moderately to strongly chlorite altered quartz-biotite-schist. Strongly silicified intermittently (bleached to pale green). Local pyrrhotite, chalcopyrite and pyrite within chlorite seams (up to 1% chalcopyrite within 1 millimetre seams) minor throughout. Zones near end of interval and near contact show granitized schist, where the schist is mimicking granodiorite textures. Minor epidote alteration, minor along some of the foliation planes (up to 1 cm wide).							
						LT	GY				Cp	0.01
						DK	GN	FO	CHL	5I	Py	0.1
						DK	GY				Po	0.1
378.55	390.46	11.91	QBS	FG	where the schist is mimicking granodiorite textures. Minor epidote alteration, minor along some of the foliation planes (up to 1 cm wide).							
						LT	GY				Po	0.1
						DK	GN	FO	CHL	5I	Py	0.1
						DK	GY				Cp	0.01
390.46	399.54	9.08	GRD	MG	Propylitic altered granodiorite with intermittent intervals of mostly argillic and minor phyllic altered granodiorite. Blebby to disseminated chalcopyrite, pyrrhotite, pyrite and native copper? Found variably throughout interval. Chalcopyrite, pyrite and pyrrhotite are also found within small veinlets/fractures cutting the granodiorite. Calcite veins +/- sulphides are found at about 8 per metre. Quartz-carbonate veins up to 1 centimetre host blebby chalcopyrite and may exhibit phyllic altered halos up to 3 centimetres on either side of the vein. Phyllic halos up to 1.5 metres. Argillic halos up to 0.7 metres. Alteration from veins varies from phyllic proximal to vein and into argillic and only argillic. Minor potassium feldspar found within propylitic altered granodiorite and as light pink veins/veinlets (trace).							
						DK	GY	XL	PRO	4I	Cp	0.1
						DK	GN		PHC	1I	Py	0.2
									ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
399.54	400.79	1.25	GRD	MG	Moderately phyllic altered granodiorite with feldspars altered into white sericite and apple green sericite? Zone is cut by 1.5 centimetre wide quartz vein trending sub-parallel to core. Vein exhibits dark grey-chert-like and selvages and white centre. Vein hosts trace blebby chalcopyrite and minor pyrite along selvages. Also has blow-outs, which fills fractures that it cut obliquely. Weak pyrite disseminated within phyllic alteration.							
						LT	GN	XL	PHC	4I	Cp	0.1
											Py	1
400.79	407.67	6.88	GRD	MG	Propylitic altered granodiorite with intermittent intervals of mostly argillic and minor phyllic altered granodiorite. Blebby to disseminated chalcopyrite, pyrrhotite, pyrite and native copper? Found variably throughout interval. Chalcopyrite, pyrite and pyrrhotite are also found within small veinlets/fractures cutting the granodiorite. Calcite veins +/- sulphides are found at about 8 per metre. Quartz-carbonate veins up to 1 centimetre host blebby chalcopyrite and may exhibit phyllic altered halos up to 3 centimetres on either side of the vein. Phyllic halos up to 1.5 metres. Argillic halos up to 0.7 metres. Alteration from veins varies from phyllic proximal to vein and into argillic and only argillic. Minor potassium feldspar found within propylitic altered granodiorite and as light pink veins/veinlets (trace). Chalcopyrite is found within calcite to silicified calcite veins/veinlets. Trace chalcopyrite disseminated within propylitic altered granodiorite itself.							
						DK	GN	XL	PRO	4I	Cp	0.2
											Py	0.5
407.67	409.36	1.69	GRD	MG	Dominantly argillic altered granodiorite with phyllic altered halo about 15 centimetre encompassing vein with argillic flanking phyllic alteration and moving outwards from vein on either side. Argillic altered granodiorite exhibits strong clay alteration (feldspars to clay) and black, tabular to square biotite. Calcite vein within dark grey selvages hosting mostly pyrite (1%) and trace chalcopyrite (0.1%) and native copper? Along fracture.							
						MD	GY	XL	ARG	4I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Py	1
409.36	412.77	3.41	GRD	MG	Propylitic altered granodiorite with intermittent intervals of mostly argillic and minor phyllic altered granodiorite. Blebby to disseminated chalcopyrite, pyrite found variably throughout interval. Chalcopyrite and pyrite are also found within small veinlets/fractures cutting the granodiorite. Minor argillic altered granodiorite (up to 10 centimetres) around barren calcite veins. Veinlets. Trace chlorite seams with disseminated pyrite.							
						DK	GN	XL	PRO	4I	Py	0.01
412.77	416.73	3.96	GRD	MG	Intermittent phyllic and argillic altered granodiorite, where alteration is found around quartz-carbonate veins. Minor dark grey quartz veins +/- carbonate veins hosting trace pyrite within phyllic altered zones.							
						MD	GY	XL	PHC	2I	Py	0.01
						LT	GN		ARG	3I		
416.73	424.06	7.33	GRD	MG	Strongly propylitic altered, dark green granodiorite with small interval (0.5 metre) of weakly to moderately altered granodiorite. Calcite seams hosting chalcopyrite and calcite with mineralized seams hosting 50 percent chalcopyrite found locally. Disseminated chalcopyrite is found disseminated within propylitic altered granodiorite near these seams (up to 10 centimetre halo).							
						DK	GN	XL	PRO	4I	Cp	0.5
									ARG	1I	Py	0.5
424.06	445.31	21.25	QBS	FG	Well foliated dark grey to light grey granitized quartz-biotite-schist. Moderately silicified with minor chalcopyrite seams and chlorite-pyrite+/- chalcopyrite seams. Chalcopyrite tends to be more concentrated near the intrusive contact., which appears to be a "finger" of the intrusive penetrating into the meta-sedimentary package. Fracture density is three per metre. See intermittent calc-silicate intervals up to 1 metre. Near end of hole a 1 metre interval hosts three chalcopyrite-rich seams per 1 metre, but these zones are found locally and not pervasive throughout.							
						LT	GY				Py	0.1
						DK	GY	FO	---	--	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	3.90	3.90	OVB	--	Overburden - 10 ft casing							
						--	--	---	---	--	--	0
3.90	8.41	4.51	CSL	FG	Light grey to medium green to dark grey, weakly silicified calc-silicate. Weakly fizzes with 10% HCl.							
						MD	GN		OXI	2I		
						DK	GY					
						LT	GY	BN	SIL	2I	--	0
8.41	13.41	5.00	FAP	MG	Augite-feldspar porphyry dyke. Dark green to grey, variably oxidized along fractures with minor calcite veinlets. Trace pyrite found in one calcite vein.							
						DK	GN	PO	OXI	2I	Py	0.01
						DK	GY					
13.41	14.77	1.36	CSL	FG	Rubbly-clay altered pyroxene calc-silicate at cop contact. Marble in centre of interval for approximately 22 cm. Strongly bleached and altered by sandwiching dykes. Minor garnet found disseminated within pyroxene calc-silicate to skarn.							
						DK	GN	BN	BLE	2I	--	0
						LT	GY	MA				
14.77	16.12	1.35	FAP	MG	Augite-feldspar porphyry dyke. Dark green to grey medium grained augite crystals. Fresh							
						DK	GN	PO	---	--	--	0
						MD	GY					
16.12	26.75	10.63	CSL	FG	Pale green to light grey to dark green, well banded calc-silicate. Intermittent intervals of more skarn looking rocks (pyroxene+/-garnet+/-epidote). Skarn makes up ~ 20-30% of interval. Moderate calcite veinlets found pervasively throughout.							
						LT	GY	BN	---	--	--	0
						MD	GN	Mo				
						DK	GY					
26.75	27.51	0.76	HBS	FG	Well foliated, dark green-grey, strongly chlorite? altered hornfels-biotite-schist. Minor calcite veinlets along bedding.							
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	FO	CHL	3I	--	0
27.51	28.96	1.45	CSL	MG	Pyroxene and calcite banded calc-silicate with interval of about 20 cm of pale green, massive calc-silicate with minor chlorite-calcite veinlets?							
						DK	GN	MA				
						LT	GY					
						LT	GN	BN	---	--	--	0
28.96	31.44	2.48	HBS	FG	Well foliated, dark green-grey, strongly chlorite? Altered hornfels-biotite-schist. Minor calcite veinlets along bedding.							
						DK	GN	FO	CHL	3I	--	0
						DK	GY					
31.44	32.45	1.01	CSL	MG	Well banded, dominantly calc-silicate to pyroxene-epidote skarn with minor pale green massive calc-silicate							
						MD	GY					
						MD	GN	BN	---	--	--	0
						DK	GN	MA				
32.45	33.80	1.35	HBS	FG	Weakly magnetic, weakly to moderately oxidized, weakly siliceous and well foliated hornfels-biotite-schist. Minor oxidized calcite veinlets hosting trace blebby pyrite.							
						MD	GY		OXI	2I		
						DK	GY	FO	SIL	1I	Py	0.1
33.80	36.71	2.91	SKN	FG	Intermittent, well banded pyroxene-garnet-epidote, skarn to calc-silicate. Cut by moderate to strong steeply dipping calcite veinlets. Non-magnetic and weakly calcareous.							
						MD	GN	BN	---	--	--	0
						LT	GY	Mo				
36.71	39.53	2.82	HBS	FG	Strongly silicified hornfels-biotite-schist with small scale offsets of bedding defined by planes of gouge/clay of less than 1mm thick. Offsets are approximately 5mm, sinistral in nature and steeply dipping to the west.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
39.53	40.28	0.75	HBS	FG	Well foliated, weakly oxidized hornfels-biotite-schist with minor calcite veinlets. Trace disseminated pyrite.							
						DK	GY	FO	OXI	1I	Py	0.1
						LT	GY					
40.28	41.01	0.73	SKN	FG	Mottled pyroxene-garnet-actinolite +/-epidote skarn above contact with augite porphyry andesite dyke. Contact marked by epidote alteration over approximately 2 centimetres. Trace fine grained disseminated pyrite near contact.							
						DK	GY	PO	EPI	1I	Py	0.1
						DK	GN					
41.01	41.08	0.07	AND	FG	Andesitic dyke with approximately 3 cm wide calcite vein that cuts the dyke. Auguite crystsals up to 1 mm. Epidote alteration along contacts 2 centimetres wide.							
						DK	GN	PO	EPI	1I	--	0
						DK	GY					
41.08	44.30	3.22	CSL	FG	Well banded to mottled, light grey, dark grey, light green to dark green banded calc-silicate. Weakly to moderately calcareous with moderate calcite veinlets with oxide weathering pervasive throughout. Zone near end of interval comprising pale green to dark green actinolite (wavy, sheared and offset) with blebby and disseminated pyrrhotite.							
						DK	GN					
						DK	GY	Mo				
						LT	GY	BN	---	--	Po	0.1
						LT	GN					
44.30	47.22	2.92	HBS	FG	Strongly foliated, dark grey to green chlorite altered hornfels-biotite-schist. Weak oxidized staining along fractures.							
						DK	GN					
						DK	GY	FO	CHL	3I	--	0
47.22	55.43	8.21	CSL	MG	Well banded to mottled, light to dark grey, medium to dark green calc-silicate with minor intermittent quartz-biotite-schist (moderately chlorite altered). Zones with moderate silicification (light grey).							
						DK	GY					
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	Mo	SIL	2I		
						LT	GY	BN	CHL	2I	--	0
55.43	59.76	4.33	HBS	FG	well foliated, moderately chlorite altered hornfels-biotite-schist with medium to coarse grained garnets disseminated intermittently. Minor quartz veins. Pyrrhotite tends to follow bedding. Chocolate brown stringers/blebs (chalcopyrite?) within horizon.							
						DK	GY	FO	CHL	2I	Po	2
						DK	GN					
						MD	GY					
59.76	64.49	4.73	SKN	FG	Weakly banded to mottled pyroxene-garnet skarn. Semi-massive chalcopyrite veinlets up to 0.7 centimetres. Intervals up to 15 cm with trace to weak (0.1-0.5%) chalcopyrite. Horizon hosts disseminated pyrrhotite and trace bornite? Minor quartz flooding. Chalcopyrite is associated with calcite veins/veinlets and found as semi-massive to blebby within them. Chalcopyrite vein is dipping vertically. Last 76 centimeters is actinolite-tremolite skarn with variable disseminated chalcopyrite and weakly to moderately magnetic (pyrrhotite).							
											Cp	0.1
											Mg	1
64.49	68.19	3.70	CSL	FG	Well banded dark grey, light grey, dark green to light green calc-silicate with trace disseminated pyrrhotite (intermittent). Local chlorite veins hosting trace blebby pyrite cutting bedding obliquely. Interval of about 20 centimetres hosting banded pyroxene-garnet-epidote skarny calc-silicate near end of interval.							
						MD	GN					
						LT	GY	BN	---	--	Po	0.1
						DK	GY					
						LT	GN				Py	0.01
68.19	71.22	3.03	HBS	FG	Well foliated, weakly to moderately chlorite altered hornfels-biotite-schist (veinlets/shears). These chlorite altered shear/veinlets offset bedding dextrally by about 2 millimetres. These structures comprise chlorite and quartz and host blebby disseminated chalcopyrite +/- pyrite and pyrrhotite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Po	1
						DK	GY	FO	CHL	1I	Cp	0.1
						MD	GY				Py	0.1
71.22	71.40	0.18	SKN	MG	Tremolite-actinolite skarn hosting weak disseminated pyrrhotite with minor oxidized calcite veinlets. Tremolite and actinolite exhibit radial and needle crystals. Trace black stringers hosting blebby pyrite. Last 22 centimetres of zone is bleached and gougy-like (fault?).							
						LT	GY	---	---	--	Po	0.1
						DK	GN				Py	0.01
71.40	73.53	2.13	HBS	FG	Well foliated, minor chlorite altered hornfels-biotite-schist (veinlets/shears). These chlorite altered shear/veinlets offset bedding dextrally by about 2 millimetres. These structures comprise chlorite and quartz and host blebby disseminated chalcopyrite +/- pyrite and pyrrhotite.							
						DK	GY	FO	CHL	1I	Po	0.01
						DK	GN					
73.53	75.82	2.29	CSL	MG	Well banded pale-green-white and dark green bands with minor garnet bands near start of interval (over about first 15 centimetres). Trace pyrrhotite within garnet-pyroxene banded skarn.							
						DK	GY					
						MD	GN					
						LT	GN					
						LT	GY	BN	---	--	Po	0.01
75.82	77.97	2.15	HBS	FG	Well foliated, moderately chlorite altered and silicified hornfels-biotite-schist. Moderate chlorite-quartz veinlets found locally hosting disseminated/blebby pyrite.							
						LT	GY		SIL	3I		
						DK	GN					
						DK	GY	FO	CHL	2I	--	0
77.97	81.92	3.95	SKN	FG	Well banded to massive pyroxene, pyroxene-garnet+/-epidote skarn with minor intermittent quartz-biotite-schist. Minor chlorite and calcite veinlets with or without fine grained blebby pyrite. Minor chlorite-epidote veinlets within pyroxene-garnet skarn. Intermittent zones of blebby pyrrhotite associated with chlorite.							
						DK	GN	BN	CHL	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						MD	GN	MA			Po	0.1
81.92	86.45	4.53	HBS	FG	Well foliated, weakly to moderately chlorite altered hornfels-biotite-schist (veinlets/shears). These structures comprise chlorite and quartz and host blebby disseminated pyrite and pyrrhotite with minor garnet blebs disseminated intermittently.							
						DK	GN	FO	CHL	2I	Py	0.1
						DK	GY					
86.45	93.88	7.43	SKN	MG	Intermittent mottled garnet-pyroxene skarn, bleached massive pale green calc-silicate with chlorite veinlets, pyroxene-actinolite-garnet skarn (high grade zone) and weakly calc-silicate altered and pock marked zone (moderately to strongly calcareous). Variably oxidized.							
						MD	GN				Py	0.1
						LT	GY				Ma	0.01
						DK	GN	Mo	OXI	1I	Cp	0.5
						LT	GN					
93.88	108.52	14.64	HBS	FG	Well foliated, moderate calcite and quartz veinlets hosted in hornfels-biotite-schist. Quartz veins up to 3 centimetres found locally, and are cut by later, oxidized carbonate stringers.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
108.52	111.52	3.00	HBS	FG	Moderately oxidized hornfels-biotite-schist. Strongly oxidized carbonate veinlets at approximately 20 per 10 centimetres. Local zone with earthy hematite stringers/blebs. Bladed/blebby black/dark green actinolite? Found within carbonate-altered patches.							
						DK	GY	FO	---	--	Py	0.1
						DK	PU					
111.52	117.06	5.54	HBS	FG	Well foliated, minor quartz veined (usually along bedding) hornfels-biotite-schist. Occasional quartz veinlets/veins will host trace pyrite +/- chalcopyrite.							
						DK	GY	FO	---	--	Py	0.1
						DK	PU				Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
117.06	118.55	1.49	CSL	FG	Dominantly well foliated dark green to medium green to light grey calc-silicate with approximately 15 cm massive pyroxene skarn to calc-silicate. Interval hosts 20 cm of hornfels-biotite-schist in centre. Small (5 cm) irregular/banded quartz-carbonate vein with offset veinlets of dark purple-red earthy hematite?							
						MD	GN	BN	---	--	--	0
						DK	PU					
						DK	GY	MA				
118.55	119.27	0.72	SKN	FG	Mottled to banded dark-med green, dark pink banded and light grey skarn. Well banded dark green and light grey calc-silicate and mottled pyroxene-garnet skarn. Disseminated pyrrhotite and pyrite within pyroxene-garnet skarn/calc-silicate.							
						LT	GY					
						DK	PK	BN			Py	0.1
						DK	GN	Mo			Po	0.1
119.27	119.64	0.37	FAP	CG	Dark grey to green, feldspar-augite porphyritic dyke. Irregular contact with dyke and calc-silicate.							
						DK	GY	PO	---	--	--	0
						DK	GN					
119.64	123.08	3.44	CSL	FG	Dark-green, medium green and light grey to white well banded calc-silicate with local intervals of garnet-pyroxene skarn (mottled) to calc-silicate. Minor epidote alteration of garnets.							
						MD	GN	Mo	EPI	1I	--	0
						DK	PK					
						LT	GY					
123.08	123.25	0.17	FAP	MG	dark grey to green, feldspar-augite porphyry dyke. Irregular contacts with calc-silicate.							
						DK	GY					
						DK	GN	PO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
123.25	134.68	11.43	SKN	FG	Intermittent well banded medium green to light grey calc-silicate, garnet-pyroxene skarn (banded), massive medium green pyroxene skarn. Molybdenite is found locally over 20 centimetres (trace) as disseminated and up to 1x1 millimetres. Within mottled pyroxene-garnet calc-silicate, chalcopyrite is generally found with pyrite in chlorite? Veinlets. Pyrite with trace chalcopyrite is also hosted in calcite stringers, within marble. Overall, horizon is weakly to trace mineralized. Trace pyrrhotite found locally within pyroxene-garnet and pyroxene skarns/calc-silicates.							
						MD	GN	BN	---	--	Cp	0.01
						LT	GY				Po	0.01
											mo	0.01
						DK	PK	MA			Py	0.01
134.68	137.08	2.40	HBS	FG	Well foliated, dark grey to purple hornfels-biotite-schist. Hosts dissemianted pyrite pervasively. Minor ankerite veinlets to veins found locally and up to 2.5 cm. Last 15 centimetre interval of ankerite/oxidized with wavey flow banded foliation.							
						DK	PK					
						DK	GY	FO	---	--	Po	1
						MD	GN					
137.08	138.00	0.92	FFP	CG	Strongly altered felsic feldspar porphyry dyke. Appears to be strongly bleached/clay altered with ankerite and carbonate veins found locally.							
						MD	GY					
						LT	GY	PO	CLY	3I	--	0
138.00	140.74	2.74	HBS	FG	Well foliated, dark grey to purple hornfels-biotite-schist hosting trace disseminated pyrite and pyrrhotite. Pyrite found within chlorite seams +/- cp.							
						DK	GY	FO	---	--	Po	1
						DK	PU				Py	0.1
140.74	142.74	2.00	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite-schist. Minor calcite-chlorite veinlets hosting disseminated/blebby pyrite.							
						DK	PU				Cp	0.01
						DK	GY	FO	---	--	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
142.74	147.07	4.33	HBS	FG	Well foliated, moderately hornfels biotite-schist with local garnet crystals up to 0.5x0.5 centimetres. Minor seams of calcite and chlorite veinlets hosting fine grained blebby pyrite. Fracture surface exposed a 1x1 millimetre bleb of native copper? Within and along these chlorite seams							
						DK	GY	FO	---	--	Cu	0.1
						DK	PU					
147.07	148.25	1.18	GBS	FG	Well foliated, moderately hornfels garnet-biotite-schist Minor seams of calcite and chlorite veinlets hosting fine grained blebby pyrite.							
						DK	PU					
						DK	GY	FO	---	--	Py	0.01
148.25	162.89	14.64	GBS	FG	Well foliated garnet-biotite-schist. Minor gougy zones ranging from 2-5 centimetres - steeply dipping structures.							
						LT	GY					
						DK	PU					
						DK	GY	FO	---	--	--	0
162.89	170.44	7.55	HBS	FG	Well foliated, hornfels-biotite-schist with local garnet crystals disseminated (up to 3 mm). Minor interbedded mottled pyroxene-garnet skarn (up to 1 m wide). Dark brown steeply dipping veinlets hosting blebby pyrite found pervasively throughout and along fractures as well.							
						LT	GY					
						MD	GN					
						DK	GY	FO	---	--	Py	0.1
						DK	PU	MA				
170.44	172.62	2.18	AND	FG	Augite-epidote? Porphyritic dyke with epidote up to 0.5 centimetres. Epidote is anhedral and rimmed by trace pyrite. Feldspar altered to epidote?							
						DK	GN	PO	EPI	2I	Py	0.01
						DK	GY					
172.62	173.59	0.97	HBS	FG	Well foliated dark grey to purple and light grey hornfels-biotite-schist with minor steeply dipping structures (less than 1 mm thick) cutting schist. Structures host trace blebby pyrite and chlorite. Sinistral fault offsets with approximately 3 centimetres of movement.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY					
						DK	PU					
						DK	GY	FO	---	--	--	0
173.59	174.60	1.01	AND	FG	Fine grained trace augite-hornblende andesite-basalt crystals up to 1 millimetre disseminated. Trace calcite veinlets pervasive with minor zones of silicification.							
						DK	GY	---	SIL	2I	--	0
						DK	GN					
174.60	177.94	3.34	HBS	FG	Well foliated dark grey to purple hornfels-biotite-schist with minor zones of foliated dark green calc-silicate/chlorite altered hornfels-biotite-schist? Up to 15 centimetres thick. Zone exhibits clay/gouge seams up to 3 centimetres with faulting at end of contact. Dark brown/black needle-radial mineral found within minor quartz veining adjacent to 3 centimetre wide gouge/fault zone.							
						DK	GN					
						LT	GY					
						DK	GY	FO	CLY	2I	--	0
						DK	PU					
177.94	184.40	6.46	AND	FG	Moderately silicified, fine grained, dark grey-green basalt-andesite with trace augite crystals up to 0.1 millimetres. Minor oxidized-carbonate veinlets hosting trace blebby pyrite and chlorite/fault seams cut core at low angles (steeply dipping). Top contact is strongly altered (weakly gougy) and rubbly for approximately first 2 metres, with oxide staining on fractures and within rock itself.							
						DK	GY	---	OXI	3I	--	0
						DK	GY		SIL	2I		
184.40	185.10	0.70	HBS	FG	Well foliated dark grey to dark purple to light grey hornfels-biotite-schist with minor calcite veinlets.							
						DK	GY	FO	---	--	--	0
						LT	GY					
						DK	PU					
185.10	187.21	2.11	AND	FG	Fine grained, dark grey-green basalt-andesite with trace augite crystals up to 0.1 millimetres.							
						DK	GN					
						DK	GY	---	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
187.21	195.52	8.31	DAC	CG	Feldspar-porphyry dyke with hornblende crystals and a dacite composition. Medium grey to brown with strong chlorite altered seams and alteration of patchy groundmass. Strong pyrrhotite within chlorite seams and chlorite patches hosting pyrrhotite found as blebby and disseminations with blebs up to 2 x 2 centimetres.							
						LT	GY		SIL	2I	Py	2
						MD	BN	PO	CHL	2I	Po	2
195.52	198.19	2.67	HBS	FG	Well foliated hornfels-biotite-schist with trace pyrite disseminated along foliation. Small scale faults cut foliation and quartz bands.							
						DK	GY	FO	---	--	--	0
						LT	GY					
						DK	PU					
198.19	198.97	0.78	MBL	MG	Moderately to strongly silicified marble. Minor light green chlorite? Veinlets cutting core at shallow angle (steeply dipping structures) with trace pyrite.							
						LT	GY	MA	---	--	Py	0.1
198.97	208.50	9.53	HBS	FG	Well foliated hornfels-biotite-schist. Flow banded? Silicified horizons hosting chlorite/dark green seams with blebby pyrite +/- chalcopyrite. The seams are irregular and local, but host significant pyrite and chalcopyrite.							
						DK	GY	FO	---	--	Py	0.1
						LT	GY					
						DK	PU				Cp	0.01
208.50	209.70	1.20	DAC	CG	Feldspar-porphyry dyke. Dacite in composition and minor chlorite alteration? Pyrrhotite is disseminated and blebby throughout.							
						DK	GY					
						MD	BN	PO	CHL	2I	Po	1
209.70	215.88	6.18	HBS	FG	Dominantly well foliated, dark grey to purple hornfels-biotite-schist with intermittent to banded and garnet calc-silicate (foliated) up to 20 centimetres. Make up approximately 20% of interval. Pyrite is found in chlorite seams and pyrrhotite disseminated mostly within hornfels-biotite-schist.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						DK	PU				Po	0.1
						DK	GY	FO	---	--	Py	0.1
215.88	219.34	3.46	SKN	MG	Medium green massive pyroxene skarn with disseminated black "pock marks" disseminated and found parallel to banding/foliation. Trace disseminated chalcopyrite and trace blebby garnet (local). Approximately 13 centimetres of moderately silicified marble hosting blebs of magnetite, being replaced by chalcopyrite and pyrite. Local calcite veinlets with black selvages and fine grained sulphides found locally. Weakly magnetic (magnetite?)							
						MD	GN	---	---	--	Py	0.1
								---			Cp	0.1
219.34	225.72	6.38	HBS	FG	Well foliated dark grey to purple to light grey hornfels-biotite-schist. Minor interval of calc-silicate (massive pyroxene) with shear textures with disseminated pyrite and chalcopyrite (1%. Local garnet crystals up to 0.5 centimetres associated with pyrrhotite. Minor silicified bands within hornfels-biotite-schist hosting blebby pyrite.							
						DK	GY	FO	---	--	Py	0.1
						LT	GY				Po	0.1
						DK	PU				Cp	0.01
225.72	228.82	3.10	CSL	FG	Interbedded pyroxene-actinolite skarn with semi-massive pyrrhotite and chalcopyrite up to 3% over about 34 centimetres, massive to weakly banded pyroxene and pale green calc-silicate with or without garnet. Interval of about 12 centimetres with massive pyroxene skarn with irregular to blebby black "pock marks" with blebby pyrite and trace chalcopyrite. End of interval is silicified marble for about 10 centimetres and hosts pyrrhotite associated with chalcopyrite (trace).							
						MD	GN	MA	SIL	2I	Cp	0.2
						LT	GY	BN			Po	0.5
228.82	231.32	2.50	HBS	FG	Well foliated hornfels-biotite-schist with pyrite stringers parallel to bedding found locally throughout. Minor garnet crystals disseminated throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
231.32	236.37	5.05	CSL	FG	Banded light grey to dark grey calc-silicate with minor (about 5 centimetres) pyroxene skarn units. Blebby pyrite within quartz bands (trace).							
						LT	GY					
						DK	GY	BN	---	--	Py	0.1
236.37	246.24	9.87	MBL	FG	Banded light grey to dark grey calc-silicate with minor (approximately 5 centimetres) pyroxene skarn units. Blebby pyrite within quartz bands. Trace banded and impure massive marble with dark grey to black banks and serpentine bands. Massive marble is light to medium grey, medium grained. Irregular zones of semi-massive magnetite-pyrrhotite appear to follow banding and steeply dipping structures, but a lot of the time appear random. Minor chlorite bands up to 2 cm with trace pyrite found locally. Magnetite with or without pyrrhotite skarn hosts variable trace to moderate chalcopyrite as disseminations and stringers are found within the marble country rock, adjacent to the magnetite-pyrrhotite zones. Magnetite zones make up about 5% of interval.							
						LT	GY	BN	---	--	Cp	0.1
						DK	GY	MA			Py	0.1
						LT	GN				Po	2
						MD	GN					
246.24	249.81	3.57	HBS	FG	Weakly to moderately silicified, dark grey to purple to light grey well foliated hornfels-biotite-schist. Minor less than 1 millimetre seams/faults offset foliation by few centimetres. Local garnets (minor) trace pyrite along foliation and within chlorite seams.							
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
249.81	250.33	0.52	AND	FG	Non-magnetic, dark grey to green basalt-andesite with trace dark green hornblende and augite crystals up to 1 mm found disseminated.							
						DK	GN	MA	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
250.33	257.86	7.53	HBS	FG	Well foliated, dark grey to purple and light grey hornfels-biotite-schist with minor calcite veinlets along fractures. Fractures rusty and blebby to disseminated pyrite for about 50 centimetres of interval. Centre of interval is strongly silicified and shows relict hornblende-biotite-schist.							
						LT	GY					
						DK	GY	FO	SIL	2I	Py	0.1
						DK	PU					
257.86	262.19	4.33	SKN	FG	Dark green, pyroxene-actinolite-magnetite-pyrrhotite skarn with disseminated to blebby pyrite. Strong pyrite-chlorite? Stringers pervasive at 3 per 20 centimetres. Trace chalcopyrite is disseminated near pyrrhotite and with magnetite. Last 61 centimetres (261.51-262.19) is mylonized with irregular wavy and banded dark green to light green mottled-like texture. Disseminated pyrite and pyrrhotite with bands of pyrrhotite with trace chalcopyrite. Trace chalcopyrite disseminated throughout this interval.							
											Po	1
						DK	GN	MA	---	--	Cp	0.01
						LT	GN	Mo			Py	1
262.19	263.84	1.65	HBS	FG	Well foliated, dark grey to purple and light grey hornfels-biotite-schist with minor calcite veinlets along fractures. Tight folds with minor pyrite stringers (trace cpy).							
						DK	PU				Py	0.5
						LT	GY				Cp	0.01
						DK	GY	FO	---	--	Po	1
263.84	264.56	0.72	SKN	MG	Dark green, massive pyroxene-pyrrhotite skarn with relict wisps of biotite foliation. Minor epidote alteration with trace chalcopyrite.							
											Cp	0.01
						MD	GN				Po	0.1
						DK	GN	MA	---	--	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
264.56	275.79	11.23	HBS	FG	Well foliated dark grey to purple to light grey hornfels-biotite-schist with minor chlorite seams hosting pyrrhotite and pyrite. Steep structures host pyrite and pyrrhotite +/- cpy. Minor intervals of banded epidote-garnet-pyroxene skarn with blebby chalcopyrite (0.1%) with disseminated pyrite (1%) and pyrrhotite (0.5%).							
						DK	GY	FO	---	--	Py	1
						DK	PU				Po	0.1
						LT	GY				Cp	0.01
275.79	277.41	1.62	CSL	FG	Well banded/foliated medium green pyroxene-garnet calc-silicate with disseminated blebby pyrite and pyrrhotite. Minor bands of strongly silicified calc-silicate for up to 5 centimetres with fine grained pyrite. Pyrite also along dark green thin seams.							
						MD	GN	BN	SIL	2I	Py	1
						DK	GN				Po	1
						DK	GY					
277.41	281.16	3.75	AND	FG	Fine grained dark grey to green andesite-basalt with crystals of hornblende and augite up to 1 mm. Trace disseminated pyrite.							
						DK	GY					
						DK	GN	---	---	--	Py	0.1
281.16	284.29	3.13	HBS	FG	Well foliated dark grey to purple and light grey hornfels-biotite-schist. Trace garnet crystals found locally (up to 1 millimetre). Disseminated pyrite found along biotite-foliations. 5 centimetre interval of calc-silicate with wavy relict biotite bedding.							
						LT	GY					
						DK	PU					
						DK	GY	FO	---	--	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.29	286.94	2.65	SKN	FG	Mottled to banded pyroxene- skarn with semi-massive magnetite-pyroxene skarn with magnetite being altered into hematite. Chalcopyrite is found within chlorite stringers within semi-massive magnetite skarn. Chalcopyrite is along blebby and disseminated throughout much of the interval (especially within pyroxene-actinolite skarn). Strong chalcopyrite seams up to 2 millimetres hosting along steeply dipping structures. Semi-massive magnetite skarn makes up approximately 15 centimetres of interval.							
											Py	1
						DK	GN	Mo	---	--	Cp	6
						DK	PK	BN			Po	2
286.94	300.01	13.07	HBS	FG	Well foliated, moderately to strongly silicified hornfels-biotite-schist. Zone exhibits minor offsets (sinistral) along steeply dipping structures. Local zones of garnet crystals up to 1 millimetre. Trace pyrite found along biotite foliations. Zones within hornfels-biotite-schist that are altered by epidote along then (less than 1 millimetre bands). Minor calc0silicate (pyroxene) up to 2 centimetres.							
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	Py	0.1
300.01	300.46	0.45	SKN	MG	Well foliated, pyroxene-garnet-actinolite+/- epidote skarn with disseminated pyrite and chalcopyrite within actinolite-pyroxene bands.							
						DK	GN	FO	---	--	Cp	2
											Py	2
300.46	301.23	0.77	HBS	FG	Dark grey, dark purple, light grey, well foliated hornfels-biotite-schist with minor chlorite seams offsetting foliation by about 5 centimetres. Trace blebby pyrite within chlorite offset seams.							
						DK	GY	FO	---	--	Py	0.5
						DK	PU					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
301.23	303.14	1.91	SKN	FG	Well foliated/banded pyroxene-garnet-epidote skarn hosting blebby pyrite and trace disseminated chalcopyrite. Pyrite and chalcopyrite also found disseminated within chlorite seams cutting core at shallow angle (steeply dipping). Minor pyrrhotite within pyroxene bands.							
											Py	1
						DK	GN	---	EPI	1I	Cp	0.01
											Po	0.5
303.14	323.57	20.43	HBS	FG	Strongly silicified hornfels-biotite-schist with intervals up to 40 centimetres wide of strongly silicified milky to light grey quartz with relict hornfels-biotite-schist bedding. Strongly silicified zone about 30 centimetres wide hosts 2 centimetre wide quartz vein with weak disseminated Molybdenite and chalcopyrite. Medium green strongly silicified breccia with ankerite healing broken up schist and calc-silicate angular clasts with light grey quartz seams pervasive. Quartz seams cut core shallowly. One calc-silicate clasts with disseminated chalcopyrite and pyrite.							
						DK	GY	FO	SIL	3I	Py	1
						DK	PU				mo	0.1
						LT	GY				Cp	0.1
						LT	GN					
323.57	351.62	28.05	QBS	FG	Well foliated, interbedded, strongly chlorite altered quartz biotite schist with intermittent hornfels-biotite-schist. Dark green chlorite seams host disseminated blebby pyrite and chalcopyrite (2% and 0.5%, respectfully). Mineralized seams are cutting core shallowly (steeply dipping). Pyrite found disseminated within hornfels-biotite-schist and chlorite altered quartz-biotite-schist, while disseminated chalcopyrite is trace, but restricted to chlorite altered quartz-biotite-schist.							
						DK	GY	FO	CHL	5I	Py	1
						LT	GY					
						DK	PU				Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
351.62	361.76	10.14	SKN	MG	Blotchy to leopard-like textured pyroxene-actinolite-epidote skarn with magnetite and pyrrhotite. Chalcopyrite is found as blebs and disseminations throughout and particularly associated with epidote. Chalcopyrite is found in pyrite veins. Skarn is weakly calcareous and moderately to strongly magnetite. Quartz-carbonate vein found within interval.							
						DK	GN	---	---	--	Cp	0.5
											Po	2
											Py	5
361.76	390.46	28.70	QBS	FG	Well foliated, moderately to strongly chlorite altered quartz-biotite-schist. Strongly silicified intermittently (bleached to pale green). Local pyrrhotite, chalcopyrite and pyrite within chlorite seams (up to 1% chalcopyrite within 1 millimetre seams) minor throughout. Zones near end of interval and near contact show granitized schist, where the schist is mimicking granodiorite textures. Minor epidote alteration, minor along some of the foliation planes (up to 1 cm wide). Contact with intrusive is gradational over about 30 centimetres, where intrusive textures are mixed with schist textures, which are pale green and strongly silicified.							
						DK	GY				Po	0.1
						LT	GY				Cp	0.01
						DK	GN	FO	CHL	5I	Py	0.1
390.46	424.06	33.60	GRD	MG	Propylitic altered granodiorite with intermittent intervals of mostly argillic and minor phyllic altered granodiorite. Blebby to disseminated chalcopyrite, pyrrhotite, pyrite and native copper? Found variably throughout interval. Chalcopyrite, pyrite and pyrrhotite are also found within small veinlets/fractures cutting the granodiorite. Calcite veins +/- sulphides are found at about 8 per metre. Quartz-carbonate veins up to 1 centimetre host blebby chalcopyrite and may exhibit phyllic altered halos up to 3 centimetres on either side of the vein. Phyllic halos up to 1.5 metres. Argillic halos up to 0.7 metres. Alteration from veins varies from phyllic proximal to vein and into argillic and only argillic. Minor potassium feldspar found within propylitic altered granodiorite and as light pink veins/veinlets (trace).							
									ARG	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	XL	PRO	4I	Cp	0.1
						DK	GN		PHC	1I	Py	0.2
424.06	445.31	21.25	QBS	FG	Well foliated dark grey to light grey granitized quartz-biotite-schist. Moderately silicified with minor chalcopyrite seams and chlorite-pyrite+/-chalcopyrite seams. Chalcopyrite tends to be more concentrated near the intrusive contact., which appears to be a "finger" of the intrusive penetrating into the meta-sedimentary package. Fracture density is three per metre. See intermittent calc-silicate intervals up to 1 metre. Near end of hole a 1 metre interval hosts three chalcopyrite-rich seams per 1 metre, but these zones are found locally and not pervasive throughout.							
						LT	GY				Py	0.1
						DK	GY	FO	---	--	Cp	0.1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0.33	11	0.00	0	0R	--	3W	
3.05	4.88	1.83	1.02	56	0.00	0	1R	--	2W	
4.88	6.40	1.52	0.95	63	0.14	9	0R	--	1W	
6.40	9.45	3.05	2.41	79	1.34	44	0R	--	1W	
9.45	11.58	2.13	1.9	89	1.21	57	1R	--	1W	
11.58	13.72	2.14	1.39	65	0.62	29	2R	--	4W	
13.72	15.24	1.52	1.52	100	0.66	43	1R	--	1W	
15.24	18.29	3.05	3.05	100	1.54	50	0R	--	1W	
18.29	21.34	3.05	2.99	98	1.77	58	0R	--	1W	
21.34	24.38	3.04	3.04	100	2.21	73	0R	--	1W	
24.38	25.91	1.53	1.32	86	0.78	51	0R	--	1W	
25.91	27.43	1.52	1.52	100	1.24	82	0R	--	1W	
27.43	28.96	1.53	1.38	90	0.23	15	0R	--	1W	
28.96	32.00	3.04	3.04	100	1.28	42	0R	--	1W	
32.00	33.53	1.53	1.53	100	0.61	40	1R	--	2W	
33.53	36.58	3.05	3.05	100	1.06	35	0R	--	1W	
36.58	39.01	2.43	2.13	88	0.81	33	0R	--	1W	
39.01	39.62	0.61	0.49	80	0.15	25	3R	--	1W	
39.62	42.67	3.05	2.9	95	0.97	32	2R	--	3W	
42.67	45.72	3.05	2.9	95	0.97	32	2R	--	3W	
45.72	48.77	3.05	3.05	100	1.97	65	1R	--	2W	
48.77	51.82	3.05	3.05	100	2.18	71	2R	--	2W	
51.82	54.86	3.04	3.03	100	1.69	56	2R	--	1W	
54.86	57.91	3.05	3.05	100	2.53	83	0R	--	2W	
57.91	60.96	3.05	3.05	100	2.44	80	2R	--	1W	
60.96	64.01	3.05	2.82	92	1.99	65	2R	--	2W	
64.01	66.44	2.43	2.32	95	1.98	81	2R	--	1W	
66.44	67.06	0.62	0.55	89	0.12	19	2R	--	--	
67.06	70.10	3.04	3.03	100	2.81	92	1R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
70.10	73.15	3.05	3.05	100	2.36	77	0R	--	1W	
73.15	76.20	3.05	2.98	98	2.52	83	1R	--	1W	
76.20	79.25	3.05	3.03	99	2.05	67	2R	--	1W	
79.25	82.30	3.05	3	98	2.55	84	2R	--	--	
82.30	85.34	3.04	3.04	100	2.30	76	0R	--	1W	
85.34	88.40	3.06	3.06	100	2.58	84	1R	--	--	
88.40	91.44	3.04	2.89	95	2.48	82	3R	--	1W	
91.44	94.49	3.05	2.78	91	2.08	68	3R	--	1W	
94.49	97.54	3.05	2.96	97	1.90	62	0R	--	2W	
97.54	100.58	3.04	2.89	95	1.36	45	0R	--	2W	
100.58	103.63	3.05	2.82	92	1.87	61	0R	--	2W	
103.63	106.68	3.05	3.05	100	2.00	66	0R	--	2W	
106.68	109.73	3.05	3.05	100	2.40	79	0R	--	1W	
109.73	112.78	3.05	3.05	100	2.35	77	0R	--	2W	
112.78	115.82	3.04	3.04	100	2.19	72	0R	--	2W	
115.82	118.87	3.05	3.05	100	1.93	63	1R	--	1W	
118.87	121.92	3.05	3.05	100	2.97	97	1R	--	1W	
121.92	124.97	3.05	3.05	100	2.96	97	0R	--	1W	
124.97	128.02	3.05	3.05	100	2.69	88	1R	--	1W	
128.02	131.06	3.04	3.04	100	2.88	95	1R	--	1W	
131.06	134.11	3.05	3.05	100	2.88	94	1R	--	1W	
134.11	137.16	3.05	3.05	100	2.30	75	1R	--	3W	
137.16	140.21	3.05	3.05	100	2.66	87	0R	--	2W	
140.21	143.26	3.05	3.05	100	2.76	90	0R	--	1W	
143.26	146.30	3.04	3.04	100	2.95	97	1R	--	1W	
146.30	149.35	3.05	3.05	100	2.29	75	2R	--	3W	
149.35	152.40	3.05	3.02	99	2.29	75	1R	--	3W	
152.40	155.45	3.05	3.05	100	2.88	94	0R	--	2W	
155.45	158.50	3.05	3.05	100	2.43	80	0R	--	1W	
158.50	159.41	0.91	0.87	96	0.41	45	1R	--	1W	
159.41	161.54	2.13	2.13	100	1.39	65	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
161.54	164.59	3.05	2.87	94	1.45	48	0R	--	2W	
164.59	167.64	3.05	3.05	100	2.46	81	0R	--	2W	
167.64	170.69	3.05	3.05	100	2.60	85	0R	--	2W	
170.69	173.74	3.05	3.05	100	2.90	95	0R	--	1W	
173.74	176.78	3.04	3.04	100	2.16	71	0R	--	2W	
176.78	178.61	1.83	1.75	96	0.25	14	0R	--	3W	
178.61	179.83	1.22	1.02	84	0.23	19	0R	--	3W	
179.83	182.88	3.05	2.88	94	2.05	67	0R	--	2W	
182.88	184.40	1.52	1.3	86	0.58	38	0R	--	1W	
184.40	187.45	3.05	2.81	92	2.37	78	0R	--	1W	
187.45	188.98	1.53	1.44	94	1.20	78	0R	--	1W	
188.98	192.02	3.04	2.93	96	2.64	87	0R	--	1W	
192.02	195.07	3.05	3.05	100	2.57	84	0R	--	1W	
195.07	198.12	3.05	3.05	100	2.55	84	0R	--	1W	
198.12	201.17	3.05	3.05	100	2.22	73	0R	--	1W	
201.17	204.22	3.05	3.05	100	2.77	91	0R	--	1W	
204.22	207.26	3.04	3.04	100	2.45	81	0R	--	1W	
207.26	210.31	3.05	3.05	100	2.83	93	0R	--	1W	
210.31	213.36	3.05	3.05	100	2.47	81	0R	--	1W	
213.36	216.41	3.05	3.05	100	2.68	88	0R	--	1W	
216.41	219.46	3.05	3.05	100	2.54	83	0R	--	1W	
219.46	222.50	3.04	3.04	100	2.23	73	0R	--	1W	
222.50	225.55	3.05	3.05	100	2.28	75	0R	--	1W	
225.55	228.60	3.05	3.05	100	2.56	84	0R	--	1W	
228.60	231.65	3.05	3.05	100	2.39	78	0R	--	1W	
231.65	234.70	3.05	3.05	100	2.81	92	0R	--	1W	
234.70	237.74	3.04	3.04	100	2.89	95	2R	--	1W	
237.74	240.79	3.05	3.05	100	2.80	92	2R	--	1W	
240.79	243.84	3.05	3.05	100	2.47	81	3R	--	1W	
243.84	246.88	3.04	3.04	100	2.96	97	2R	--	1W	
246.88	249.94	3.06	3.05	100	2.64	86	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
249.94	252.98	3.04	3.04	100	2.71	89	0R	--	1W	
252.98	256.03	3.05	3.05	100	2.52	83	0R	--	1W	
256.03	257.86	1.83	1.83	100	1.28	70	0R	--	1W	
257.86	259.08	1.22	1.22	100	0.86	70	0R	--	1W	
259.08	262.15	3.07	3.07	100	2.95	96	0R	--	1W	
262.15	265.18	3.03	3.03	100	2.50	83	0R	--	1W	
265.18	268.22	3.04	3.04	100	2.85	94	0R	--	1W	
268.22	270.05	1.83	1.83	100	1.30	71	0R	--	1W	
270.05	271.27	1.22	1.22	100	1.01	83	0R	--	1W	
271.27	274.32	3.05	3.05	100	2.80	92	0R	--	1W	
274.32	277.37	3.05	3.05	100	2.62	86	0R	--	1W	
277.37	280.42	3.05	3.05	100	2.15	70	0R	--	1W	
280.42	283.46	3.04	3.04	100	2.24	74	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.39	78	0R	--	1W	
286.51	289.56	3.05	3.05	100	2.59	85	0R	--	1W	
289.56	292.61	3.05	3.05	100	2.26	74	0R	--	1W	
292.61	295.66	3.05	3.05	100	2.55	84	0R	--	1W	
295.66	298.70	3.04	3.04	100	2.52	83	0R	--	1W	
298.70	301.75	3.05	3.05	100	2.23	73	0R	--	1W	
301.75	304.80	3.05	2.8	92	1.98	65	0R	--	1W	
304.80	307.85	3.05	3.05	100	1.81	59	1R	--	1W	
307.85	310.90	3.05	3.05	100	1.87	61	0R	--	1W	
310.90	313.94	3.04	3.04	100	1.61	53	0R	--	1W	
313.94	316.99	3.05	3.05	100	1.96	64	0R	--	1W	
316.99	320.04	3.05	3.05	100	1.72	56	1R	--	1W	
320.04	323.09	3.05	3.05	100	2.44	80	0R	--	1W	
323.09	326.14	3.05	3.05	100	2.22	73	0R	--	1W	
326.14	329.18	3.04	3.04	100	2.88	95	0R	--	1W	
329.18	332.23	3.05	3.05	100	1.00	33	1R	--	1W	
332.23	335.28	3.05	3.05	100	2.91	95	0R	--	1W	
335.28	338.33	3.05	3.05	100	2.98	98	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
338.33	341.38	3.05	3.05	100	2.13	70	1R	--	1W	
341.38	344.42	3.04	3.04	100	3.00	99	1R	--	1W	
344.42	347.47	3.05	3.05	100	3.05	100	0R	--	1W	
347.47	350.52	3.05	3.05	100	2.79	91	0R	--	1W	
350.52	353.57	3.05	3.05	100	2.50	82	0R	--	1W	
353.57	356.62	3.05	3.05	100	3.05	100	0R	--	1W	
356.62	359.66	3.04	3.04	100	2.66	88	0R	--	2W	
359.66	362.71	3.05	3.05	100	2.14	70	3R	--	5W	
362.71	365.76	3.05	3.05	100	2.85	93	1R	--	1W	
365.76	368.81	3.05	3.05	100	2.82	92	0R	--	1W	
368.81	371.86	3.05	3.05	100	2.81	92	0R	--	1W	
371.86	374.91	3.05	3.05	100	3.05	100	3R	--	1W	
374.91	377.95	3.04	3.04	100	2.95	97	4R	--	5W	
377.95	381.00	3.05	3.05	100	2.33	76	4R	--	5W	
381.00	384.05	3.05	3.05	100	2.71	89	1R	--	1W	
384.05	387.10	3.05	3.05	100	3.05	100	1R	--	1W	
387.10	390.14	3.04	3.04	100	2.87	94	1R	--	1W	
390.14	393.19	3.05	3.05	100	2.88	94	1R	--	1W	
393.19	396.24	3.05	3.05	100	3.00	98	1R	--	1W	
396.24	399.29	3.05	3.05	100	2.73	90	1R	--	1W	
399.29	402.34	3.05	3.05	100	2.82	92	2R	--	1W	
402.34	405.38	3.04	3.04	100	3.02	99	3R	--	1W	
405.38	408.43	3.05	3.04	100	2.90	95	2R	--	1W	
408.43	411.48	3.05	3.05	100	3.05	100	2R	--	1W	
411.48	414.53	3.05	3.05	100	3.05	100	1R	--	1W	
414.53	417.58	3.05	3.05	100	2.91	95	1R	--	1W	
417.58	419.10	1.52	1.52	100	1.18	78	1R	--	1W	
419.10	420.62	1.52	1.52	100	1.20	79	1R	--	1W	
420.62	423.06	2.44	2.44	100	2.44	100	1R	--	1W	
423.06	426.11	3.05	3.05	100	3.05	100	1R	--	1W	
426.11	428.24	2.13	2.11	99	1.63	77	1R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
428.24	429.46	1.22	1.22	100	1.22	100	1R	--	1W	
429.46	432.51	3.05	3.05	100	3.05	100	1R	--	1W	
432.51	435.56	3.05	3.05	100	2.84	93	1R	--	1W	
435.56	438.61	3.05	3.05	100	2.80	92	1R	--	1W	
438.61	440.44	1.83	1.83	100	1.61	88	1R	--	1W	
440.44	441.96	1.52	1.52	100	1.52	100	1R	--	1W	
441.96	445.00	3.04	3.04	100	2.93	96	1R	--	1W	
445.00	445.31	0.31	0.31	100	0.19	61	1R	--	1W	

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	R500097	☐	15-003	Yellow Bla	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500173	☐	15-005	pinky	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500170	☐	15-005	pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500152	☐	15-005	pinky	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500149	☐	15-005	pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500140	☐	15-004	bluewhi te		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500136	☐	15-004	bluewhi te	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500132	☐	15-004	bluewhi te		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500004	☐	15-001	Pinky	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500105	☐	15-003	Yellow Bla		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500083	☐	15-003	Yellow Bla	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500080	☐	15-003	Yellow Bla		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500064	☐	15-002	greeny		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500061	☐	15-002	greeny	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500058	☐	15-002	greeny		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500048	☐	15-002	greeny	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500035	☐	15-001	Pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500016	☐	15-001	Pinky	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500007	☐	15-001	Pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500114	☐	15-004	bluewhi te	ME-16	☐	☐	☐
16.12	19.48	3.36	FAP, CSL	3.22	96	R500001	☐	15-001	Pinky		☐	☐	☐
19.48	21.93	2.45	CSL	2.39	98	R500002	☐	15-001	Pinky		☐	☐	☐

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
21.93	25.10	3.17	CSL	3.14	99	R500003	☐	15-001	Pinky		☐	☐	☐
25.10	28.96	3.86	CSL	3.56	92	R500005	☐	15-001	Pinky		☐	☐	☐
28.96	31.44	2.48	CSL, HBS	2.48	100	R500006	☐	15-001	Pinky		☐	☐	☐
31.44	33.80	2.36	CSL, HBS	2.35	100	R500008	☐	15-001	Pinky		☐	☐	☐
33.80	36.65	2.85	HBS, SKN	2.85	100	R500009	☐	15-001	Pinky		☐	☐	☐
36.65	39.33	2.68	SKN	2.53	94	R500010	☐	15-001	Pinky		☐	☐	☐
36.65	39.33	2.68	SKN	2.53	94	R500011	☐	15-001	Pinky		☐	☐	☑
39.33	41.01	1.68	HBS	1.51	90	R500012	☐	15-001	Pinky		☐	☐	☐
41.01	41.80	0.79	AND, SKN	0.78	99	R500013	☐	15-001	Pinky		☐	☐	☐
41.80	44.30	2.50	CSL	2.50	100	R500014	☐	15-001	Pinky		☐	☐	☐
44.30	45.46	1.16	HBS, CSL	1.14	98	R500015	☐	15-001	Pinky		☐	☐	☐
45.46	46.72	1.26	HBS	1.26	100	R500017	☐	15-001	Pinky		☐	☐	☐
46.72	48.95	2.23	HBS	2.21	99	R500018	☐	15-001	Pinky		☐	☐	☐
59.76	60.41	0.65	HBS, SKN	0.65	100	R500019	☐	15-001	Pinky		☐	☐	☐
60.41	63.57	3.16	SKN	3.10	98	R500020	☐	15-001	Pinky		☐	☐	☐
63.57	64.49	0.92	SKN	0.92	100	R500021	☐	15-001	Pinky		☐	☐	☐
64.49	68.19	3.70	CSL, SKN	3.70	100	R500022	☐	15-001	Pinky		☐	☐	☐
68.19	70.22	2.03	HBS, CSL	2.01	99	R500023	☐	15-001	Pinky		☐	☐	☐
70.22	71.40	1.18	HBS	1.18	100	R500024	☐	15-001	Pinky		☐	☐	☐
70.22	71.40	1.18	HBS	1.18	100	R500025	☐	15-001	Pinky		☐	☑	☐
71.40	73.53	2.13	SKN, HBS	2.13	100	R500026	☐	15-001	Pinky		☐	☐	☐
73.53	75.82	2.29	CSL, HBS	2.29	100	R500027	☐	15-001	Pinky		☐	☐	☐
75.82	77.97	2.15	CSL, HBS	2.13	99	R500028	☐	15-001	Pinky		☐	☐	☐

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
77.97	80.07	2.10	SKN, HBS	2.09	100	R500029	☐	15-001	Pinky		☐	☐	☐
80.07	81.92	1.85	SKN	1.85	100	R500030	☐	15-001	Pinky		☐	☐	☐
81.92	86.00	4.08	SKN, HBS	4.07	100	R500031	☐	15-001	Pinky		☐	☐	☐
86.00	89.06	3.06	HBS	3.06	100	R500032	☐	15-001	Pinky		☐	☐	☐
89.06	90.59	1.53	SKN	1.53	100	R500033	☐	15-001	Pinky		☐	☐	☐
90.59	92.26	1.67	SKN	1.67	100	R500034	☐	15-001	Pinky		☐	☐	☐
92.26	93.88	1.62	SKN	1.62	100	R500036	☐	15-001	Pinky		☐	☐	☐
93.88	95.35	1.47	SKN, HBS	1.45	99	R500037	☐	15-002	greeny		☐	☐	☐
108.52	111.04	2.52	HBS, HBS	1.54	61	R500038	☐	15-002	greeny		☐	☐	☐
111.04	113.00	1.96	HBS	1.96	100	R500039	☐	15-002	greeny		☐	☐	☐
113.00	116.00	3.00	HBS	3.00	100	R500040	☐	15-002	greeny		☐	☐	☐
113.00	116.00	3.00	HBS	3.00	100	R500041	☐	15-002	greeny		☐	☑	☐
116.00	117.06	1.06	HBS	1.06	100	R500042	☐	15-002	greeny		☐	☐	☐
117.06	118.55	1.49	HBS, CSL	1.49	100	R500043	☐	15-002	greeny		☐	☐	☐
118.55	119.27	0.72	CSL, SKN	0.72	100	R500044	☐	15-002	greeny		☐	☐	☐
119.27	121.00	1.73	SKN, FAP	1.73	100	R500045	☐	15-002	greeny		☐	☐	☐
121.00	123.08	2.08	CSL	2.08	100	R500046	☐	15-002	greeny		☐	☐	☐
123.08	124.93	1.85	FAP, CSL	1.85	100	R500047	☐	15-002	greeny		☐	☐	☐
124.93	127.81	2.88	SKN	2.88	100	R500049	☐	15-002	greeny		☐	☐	☐
127.81	129.29	1.48	SKN	1.48	100	R500050	☐	15-002	greeny		☐	☐	☐
129.29	132.00	2.71	SKN	2.71	100	R500051	☐	15-002	greeny		☐	☐	☐
132.00	134.68	2.68	SKN	2.68	100	R500052	☐	15-002	greeny		☐	☐	☐
132.00	134.68	2.68	SKN	2.68	100	R500053	☐	15-002	greeny		☐	☐	☑
134.68	136.73	2.05	HBS, SKN	2.05	100	R500054	☐	15-002	greeny		☐	☐	☐

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
136.73	138.00	1.27	HBS	1.27	100	R500055	☐	15-002	greeny		☐	☐	☐
138.00	141.06	3.06	HBS, FFP	3.06	100	R500056	☐	15-002	greeny		☐	☐	☐
141.06	141.80	0.74	HBS	0.74	100	R500057	☐	15-002	greeny		☐	☐	☐
141.80	142.74	0.94	HBS	0.94	100	R500059	☐	15-002	greeny		☐	☐	☐
142.74	145.74	3.00	HBS, HBS	3.00	100	R500060	☐	15-002	greeny		☐	☐	☐
145.74	148.25	2.51	HBS	2.51	100	R500062	☐	15-002	greeny		☐	☐	☐
148.25	150.54	2.29	GBS, GBS	2.29	100	R500063	☐	15-002	greeny		☐	☐	☐
150.54	152.40	1.86	GBS	1.86	100	R500065	☐	15-002	greeny		☐	☐	☐
187.21	190.21	3.00	DAC, AND	2.89	96	R500066	☐	15-002	greeny		☐	☐	☐
190.21	193.07	2.86	DAC	2.80	98	R500067	☐	15-002	greeny		☐	☐	☐
193.07	195.52	2.45	DAC	2.43	99	R500068	☐	15-002	greeny		☐	☐	☐
195.52	198.19	2.67	DAC, HBS	2.62	98	R500069	☐	15-002	greeny		☐	☐	☐
198.19	200.28	2.09	HBS, MBL	2.06	99	R500070	☐	15-002	greeny		☐	☐	☐
200.28	203.25	2.97	HBS	2.86	96	R500071	☐	15-002	greeny		☐	☐	☐
203.25	206.11	2.86	HBS	2.84	99	R500072	☐	15-002	greeny		☐	☐	☐
206.11	208.50	2.39	HBS	2.39	100	R500073	☐	15-003	Yellow Bla		☐	☐	☐
208.50	209.70	1.20	HBS, DAC	1.20	100	R500074	☐	15-003	Yellow Bla		☐	☐	☐
209.70	211.73	2.03	DAC, HBS	2.03	100	R500075	☐	15-003	Yellow Bla		☐	☐	☐
211.73	213.66	1.93	HBS	1.93	100	R500076	☐	15-003	Yellow Bla		☐	☐	☐
211.73	213.66	1.93	HBS	1.93	100	R500077	☐	15-003	Yellow Bla		☐	☐	☑
213.66	215.88	2.22	HBS	2.05	92	R500078	☐	15-003	Yellow Bla		☐	☐	☐
215.88	218.61	2.73	SKN, HBS	2.73	100	R500079	☐	15-003	Yellow Bla		☐	☐	☐

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
218.61	219.34	0.73	SKN	0.73	100	R500081	☐	15-003	Yellow Bla		☐	☐	☐
219.34	221.34	2.00	HBS, SKN	2.00	100	R500082	☐	15-003	Yellow Bla		☐	☐	☐
221.34	222.72	1.38	HBS	1.37	99	R500084	☐	15-003	Yellow Bla		☐	☐	☐
222.72	225.72	3.00	HBS	3.00	100	R500085	☐	15-003	Yellow Bla		☐	☐	☐
225.72	228.82	3.10	CSL, HBS	3.10	100	R500086	☐	15-003	Yellow Bla		☐	☐	☐
228.82	231.32	2.50	HBS, CSL	2.50	100	R500087	☐	15-003	Yellow Bla		☐	☐	☐
231.32	233.31	1.99	CSL, HBS	1.99	100	R500088	☐	15-003	Yellow Bla		☐	☐	☐
233.31	236.31	3.00	CSL	3.00	100	R500089	☐	15-003	Yellow Bla		☐	☐	☐
233.31	236.31	3.00	CSL	3.00	100	R500090	☐	15-003	Yellow Bla		☐	☑	☐
236.31	239.18	2.87	CSL	2.87	100	R500091	☐	15-003	Yellow Bla		☐	☐	☐
239.18	242.21	3.03	MBL	3.01	99	R500092	☐	15-003	Yellow Bla		☐	☐	☐
242.21	243.91	1.70	MBL	1.70	100	R500093	☐	15-003	Yellow Bla		☐	☐	☐
243.91	246.24	2.33	MBL	2.33	100	R500094	☐	15-003	Yellow Bla		☐	☐	☐
246.24	249.17	2.93	MBL, HBS	2.89	99	R500095	☐	15-003	Yellow Bla		☐	☐	☐
249.17	249.81	0.64	HBS	0.31	48	R500096	☐	15-003	Yellow Bla		☐	☐	☐
249.81	250.33	0.52	AND, HBS	0.52	100	R500098	☐	15-003	Yellow Bla		☐	☐	☐
250.33	253.36	3.03	AND, HBS	3.03	100	R500099	☐	15-003	Yellow Bla		☐	☐	☐
253.36	255.06	1.70	HBS	1.70	100	R500100	☐	15-003	Yellow Bla		☐	☐	☐
255.06	257.86	2.80	HBS	2.78	99	R500101	☐	15-003	Yellow Bla		☐	☐	☐

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
257.86	260.00	2.14	HBS, SKN	2.13	100	R500102	☐	15-003	Yellow Bla		☐	☐	☐
260.00	261.56	1.56	SKN	1.56	100	R500103	☐	15-003	Yellow Bla		☐	☐	☐
261.56	262.19	0.63	SKN	0.63	100	R500104	☐	15-003	Yellow Bla		☐	☐	☐
262.19	263.84	1.65	SKN, HBS	1.65	100	R500106	☐	15-003	Yellow Bla		☐	☐	☐
263.84	264.56	0.72	HBS, SKN	0.72	100	R500107	☐	15-003	Yellow Bla		☐	☐	☐
264.56	266.25	1.69	SKN, HBS	1.69	100	R500108	☐	15-003	Yellow Bla		☐	☐	☐
266.25	268.98	2.73	HBS	2.73	100	R500109	☐	15-004	bluewhite		☐	☐	☐
268.98	271.00	2.02	HBS	2.02	100	R500110	☐	15-004	bluewhite		☐	☐	☐
271.00	273.00	2.00	HBS	2.00	100	R500111	☐	15-004	bluewhite		☐	☐	☐
273.00	275.79	2.79	HBS	2.78	100	R500112	☐	15-004	bluewhite		☐	☐	☐
275.79	277.41	1.62	HBS, CSL	1.62	100	R500113	☐	15-004	bluewhite		☐	☐	☐
277.41	281.16	3.75	CSL, AND	3.75	100	R500115	☐	15-004	bluewhite		☐	☐	☐
281.16	284.29	3.13	HBS, AND	3.12	100	R500116	☐	15-004	bluewhite		☐	☐	☐
284.29	286.94	2.65	HBS, SKN	2.65	100	R500117	☐	15-004	bluewhite		☐	☐	☐
286.94	288.90	1.96	HBS, SKN	1.95	99	R500118	☐	15-004	bluewhite		☐	☐	☐
288.90	291.92	3.02	HBS	3.01	100	R500119	☐	15-004	bluewhite		☐	☐	☐
291.92	294.97	3.05	HBS	3.05	100	R500120	☐	15-004	bluewhite		☐	☐	☐
291.92	294.97	3.05	HBS	3.05	100	R500121	☐	15-004	bluewhite		☐	☑	☐
294.97	298.03	3.06	HBS	3.05	100	R500122	☐	15-004	bluewhite		☐	☐	☐

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
298.03	300.01	1.98	HBS	1.97	99	R500123	☐	15-004	bluewhite		☐	☐	☐
300.01	301.23	1.22	SKN, HBS	1.21	99	R500124	☐	15-004	bluewhite		☐	☐	☐
301.23	303.31	2.08	HBS, SKN	2.06	99	R500125	☐	15-004	bluewhite		☐	☐	☐
303.31	305.48	2.17	HBS	2.17	100	R500126	☐	15-004	bluewhite		☐	☐	☐
305.48	308.48	3.00	HBS	3.00	100	R500127	☐	15-004	bluewhite		☐	☐	☐
308.48	311.48	3.00	HBS	3.00	100	R500128	☐	15-004	bluewhite		☐	☐	☐
311.48	314.61	3.13	HBS	2.68	86	R500129	☐	15-004	bluewhite		☐	☐	☐
311.48	314.61	3.13	HBS	2.68	86	R500130	☐	15-004	bluewhite		☐	☐	☑
314.61	316.99	2.38	HBS	2.38	100	R500131	☐	15-004	bluewhite		☐	☐	☐
316.99	319.72	2.73	HBS	2.71	99	R500133	☐	15-004	bluewhite		☐	☐	☐
319.72	321.09	1.37	HBS	1.36	99	R500134	☐	15-004	bluewhite		☐	☐	☐
321.09	323.57	2.48	HBS	2.46	99	R500135	☐	15-004	bluewhite		☐	☐	☐
323.57	326.57	3.00	HBS, QBS	3.00	100	R500137	☐	15-004	bluewhite		☐	☐	☐
326.57	329.57	3.00	QBS	3.00	100	R500138	☐	15-004	bluewhite		☐	☐	☐
329.57	332.62	3.05	QBS	3.03	99	R500139	☐	15-004	bluewhite		☐	☐	☐
332.62	335.62	3.00	QBS	3.00	100	R500141	☐	15-004	bluewhite		☐	☐	☐
335.62	338.62	3.00	QBS	2.99	100	R500142	☐	15-004	bluewhite		☐	☐	☐
338.62	339.95	1.33	QBS	1.33	100	R500143	☐	15-004	bluewhite		☐	☐	☐
339.95	342.97	3.02	QBS	3.01	100	R500144	☐	15-004	bluewhite		☐	☐	☐

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
342.97	346.00	3.03	QBS	3.03	100	R500145	☐	15-005	pinky		☐	☐	☐
346.00	348.97	2.97	QBS	2.95	99	R500146	☐	15-005	pinky		☐	☐	☐
348.97	351.62	2.65	QBS	2.64	100	R500147	☐	15-005	pinky		☐	☐	☐
351.62	354.62	3.00	QBS, SKN	3.00	100	R500148	☐	15-005	pinky		☐	☐	☐
354.62	357.62	3.00	SKN	3.00	100	R500150	☐	15-005	pinky		☐	☐	☐
357.62	360.23	2.61	SKN	2.60	100	R500151	☐	15-005	pinky		☐	☐	☐
360.23	361.13	0.90	SKN	0.82	91	R500153	☐	15-005	pinky		☐	☐	☐
361.13	364.13	3.00	SKN	2.98	99	R500154	☐	15-005	pinky		☐	☐	☐
364.13	367.13	3.00	QBS	2.99	100	R500155	☐	15-005	pinky		☐	☐	☐
367.13	370.13	3.00	QBS	2.98	99	R500156	☐	15-005	pinky		☐	☐	☐
367.13	370.13	3.00	QBS	2.98	99	R500157	☐	15-005	pinky		☐	☐	✔
370.13	373.37	3.24	QBS	3.21	99	R500158	☐	15-005	pinky		☐	☐	☐
373.37	377.24	3.87	QBS	3.87	100	R500159	☐	15-005	pinky		☐	☐	☐
377.24	378.55	1.31	QBS	1.31	100	R500160	☐	15-005	pinky		☐	☐	☐
378.55	382.55	4.00	QBS	4.00	100	R500161	☐	15-005	pinky		☐	☐	☐
382.55	385.00	2.45	QBS	2.44	100	R500162	☐	15-005	pinky		☐	☐	☐
385.00	387.50	2.50	QBS	2.48	99	R500163	☐	15-005	pinky		☐	☐	☐
387.50	390.46	2.96	QBS	2.94	99	R500164	☐	15-005	pinky		☐	☐	☐
387.50	390.46	2.96	QBS	2.94	99	R500165	☐	15-005	pinky		☐	✔	☐
390.46	393.46	3.00	GRD, QBS	3.00	100	R500166	☐	15-005	pinky		☐	☐	☐
393.46	396.51	3.05	GRD	3.04	100	R500167	☐	15-005	pinky		☐	☐	☐
396.51	399.54	3.03	GRD	3.03	100	R500168	☐	15-005	pinky		☐	☐	☐
399.54	400.79	1.25	GRD	1.23	98	R500169	☐	15-005	pinky		☐	☐	☐
400.79	403.79	3.00	GRD	3.00	100	R500171	☐	15-005	pinky		☐	☐	☐
403.79	405.38	1.59	GRD	1.59	100	R500172	☐	15-005	pinky		☐	☐	☐
405.38	407.67	2.29	GRD	2.28	100	R500174	☐	15-005	pinky		☐	☐	☐
407.67	409.36	1.69	GRD	1.67	99	R500175	☐	15-005	pinky		☐	☐	☐

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
409.36	412.77	3.41	GRD	3.41	100	R500176	☐	15-005	pinky		☐	☐	☐
412.77	414.69	1.92	GRD	1.90	99	R500177	☐	15-005	pinky		☐	☐	☐
414.69	416.73	2.04	GRD	2.04	100	R500178	☐	15-005	pinky		☐	☐	☐
416.73	419.64	2.91	GRD	2.90	100	R500179	☐	15-005	pinky		☐	☐	☐
419.64	421.00	1.36	GRD	1.36	100	R500180	☐	15-005	pinky		☐	☐	☐
421.00	424.06	3.06	GRD	3.04	99	R500181	☐	15-006	orangey		☐	☐	☐
424.06	427.06	3.00	QBS, GRD	3.00	100	R500182	☐	15-006	orangey		☐	☐	☐
427.06	430.09	3.03	QBS	3.01	99	R500183	☐	15-006	orangey		☐	☐	☐
430.09	433.09	3.00	QBS	3.00	100	R500184	☐	15-006	orangey		☐	☐	☐
433.09	436.09	3.00	QBS	3.00	100	R500185	☐	15-006	orangey		☐	☐	☐
436.09	439.09	3.00	QBS	3.00	100	R500186	☐	15-006	orangey		☐	☐	☐
436.09	439.09	3.00	QBS	3.00	100	R500187	☐	15-006	orangey		☐	☑	☐
439.09	442.09	3.00	QBS	3.00	100	R500188	☐	15-006	orangey		☐	☐	☐

Rockhaven RESOURCES LTD.

Hopper - Hopper

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397355	6795484	1296	326.14

ZONE: Hopper

SECTION:

HOLE: HOP-15-002

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 15m, Out

Drilling Dates: Jun 28 - Jul 01, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
6.09	268	-60.4	Ranger
316.99	284	-58.9	Ranger

TARGET: JG

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.1	6.1	OVB
6.1	20.76	14.66	HBS
20.76	20.95	0.19	FAP
20.95	21.83	0.88	HBS
21.83	22.26	0.43	FAP
22.26	23.6	1.34	AND
23.6	29.83	6.23	HBS
29.83	36.53	6.7	FFP
36.53	42.39	5.86	FFP
42.39	43.32	0.93	FAP
43.32	57.84	14.52	FFP
57.84	58.9	1.06	FAP
58.9	66.47	7.57	HBS
66.47	68.53	2.06	CSL
68.53	69.22	0.69	FFP
69.22	70.27	1.05	CSL

SAMPLES	
Numbers:	R500189 to R500287
Total:	99
Batch:	006, 007, 008
Certificates:	WH15096347, WH15100390, WH15100405

COMMENTS

70.27	71.12	0.85	FFP
71.12	77.7	6.58	CSL
77.7	82.07	4.37	FFP
82.07	91.09	9.02	SKN
91.09	113.13	22.04	HBS
113.13	151.85	38.72	SKN
151.85	162.86	11.01	HBS
162.86	168.94	6.08	SKN
168.94	184.15	15.21	GBS
184.15	188.86	4.71	CSL
188.86	190.21	1.35	HBS
190.21	192.53	2.32	FFP
192.53	194.5	1.97	HBS
194.5	205.9	11.4	SKN
205.9	207.32	1.42	HBS
207.32	209.64	2.32	FAP
209.64	229.81	20.17	HBS
229.81	232.67	2.86	SKN
232.67	236.25	3.58	GAB
236.25	240.5	4.25	FAP
240.5	243.69	3.19	SKN
243.69	259.34	15.65	GAB
259.34	262.42	3.08	SKN
262.42	263.55	1.13	HBS
263.55	264.59	1.04	SKN
264.59	286	21.41	HBS
286	287.63	1.63	SKN
287.63	292.53	4.9	HBS
292.53	293.8	1.27	SKN
293.8	300.54	6.74	HBS
300.54	303.06	2.52	MBS
303.06	326.14	23.08	HBS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	6.10	6.10	OVB	FG	Rubbly to gravel overburden with hornfels-biotite-schist rubble.							
						--	--	---	---	--	--	0
6.10	20.76	14.66	HBS	FG	Well foliated, intermittently oxidized, dark grey-purple to light grey hornfels-biotite-schist. One significant band of chalcopyrite-pyrrhotite vein (1 centimetre wide 60% chalcopyrite and 40% pyrrhotite). Minor zones of strongly oxidized hornfels-biotite-schist with near clay alteration. Up to 10 centimetre calc-silicate horizons hosting pyrrhotite (5%), pyrite (5%) and chalcopyrite (1%). It's cut by chlorite seams hosting chalcopyrite and pyrite.							
						LT	GY				Cp	0.01
						DK	GY	FO	---	--	Po	1
						DK	PU				Py	0.1
20.76	20.95	0.19	FAP	CG	Dark green feldspar porphyry dyke cuts hornfels-biotite-schist at 25 degrees to core axis.							
						DK	GN	PO	---	--	--	0
						DK	GY					
20.95	21.83	0.88	HBS	FG	Well foliated, weakly chlorite altered hornfels-biotite-schist. Minor calcite veinlets. Trace blebby pyrite within schist.							
						LT	GY					
						DK	GY	FO	CHL	2I	Py	0.1
						DK	GN					
						DK	PU					
21.83	22.26	0.43	FAP	CG	Dark green feldspar porphyry dyke cuts hornfels-biotite-schist at 25 degrees to core axis.							
						DK	GY	PO	---	--	--	0
						DK	GN					
22.26	23.60	1.34	AND	FG	Fine grained, dark grey-grey andesite dyke with minor intervals of hornfels-biotite-schist (up to 10 centimetres). Crenulated textures (minor).							
						DK	GY	---	---	--	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
23.60	29.83	6.23	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Silicified intervals up to 5 centimetres along foliation/bedding. Cut by moderate about 4 per metre quartz seams (barren). Manganese dendrites form along fractures. Intermittently magnetic (weak).							
						LT	GY					
						DK	GY	FO	---	--	Po	1
						DK	PU					
29.83	36.53	6.70	FFP	CG	Strongly propylitic altered felsic feldspar porphyry dyke with phenocrysts up to 1.5 by 1 centimetre. Chalcopyrite is found along fractures, within chlorite seams and disseminated. Last 20 centimetres of interval has oxide feldspars, fractures and seams. Medium grained hornblende							
						MD	GY	PO	PRO	4I	Cp	0.1
36.53	42.39	5.86	FFP	CG	Coarse grained, medium grey felsic porphyry dyke with fractures/seams hosting chalcopyrite weathering into malachite (trace). Feldspar phenocrysts up to 1.5 x 1 centimetre. Minor clay alteration with rusty fractures (minor). Medium grained hornblende							
						MD	GY	XL	PRO	3I	Cp	0.1
								PO				
42.39	43.32	0.93	FAP	CG	Dark green to grey feldspar porphyry dyke.							
						DK	GN	PO	---	--	--	0
						DK	GY					
43.32	57.84	14.52	FFP	CG	Medium grey, felsic feldspar porphyritic dyke. Clay seams have orange weathering cubes (pyrite?).							
						MD	GY	XL	PRO	3I	--	0
57.84	58.90	1.06	FAP	CG	Dark grey to green feldspar porphyry dyke.							
						DK	GY	PO	---	--	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
58.90	66.47	7.57	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor intervals of strongly chlorite altered quartz-biotite-schist (up to 10 centimetres). Fracture controlled mineralization defined by malachite and chalcopyrite on fractures. These are found locally and trace.							
						LT	GY					
						DK	GY	FO	CHL	1I	Cp	0.01
						DK	PU					
66.47	68.53	2.06	CSL	FG	Well foliated to banded, medium green calc-silicate with trace disseminated pyrite found intermittently. Minor rusty fractures.							
						MD	GY	XL	---	--	Py	1
						MD	GN					
68.53	69.22	0.69	FFP	CG	Medium grey felsic feldspar porphyry dyke with contact of 10 centimetres grading into medium green and silicified at top of contact.							
						MD	GY	XL	PRO	3I	--	0
						MD	GN					
69.22	70.27	1.05	CSL	FG	Well foliated to banded medium green calc-silicate with trace disseminated pyrite found intermittently. Minor rusty fractures.							
						MD	GN	FO	---	--	Py	1
								BN				
70.27	71.12	0.85	FFP	CG	Medium grey felsic feldspar porphyry dyke. Intermittent pale green alteration of dyke found intermittently for up to 15-20 centimetres.							
						MD	GY	XL	PRO	3I	--	0
						MD	GN					
71.12	77.70	6.58	CSL	FG	Interbedded massive pyroxene skarn (50 % of interval), hornfels-biotite-schist (40 % of interval), buff to light milky grey calc-silicate? (5 % of interval) and banded pyroxene-garnet (5 % of interval). No visible sulphides. Moderately to strongly oxidized (mostly hornfels-biotite-schist).							
						MD	GN	MA				
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	FO	OXI	3I	--	0
						DK	PU					
77.70	82.07	4.37	FFP	CG	Medium grey, felsic feldspar porphyry dyke with plagioclase phenocryrsts up to 1.5 x 1 centimetre. Trace chalcopyrite within minor seams cutting core at low angles. Oxide alteration found locally weathering feldspars near calcite veinlets. Minor oxide on fractures.							
						MD	GY	PO	PRO	3I	Cp	0.01
82.07	84.69	2.62	MBL	FG	Well banded, light grey-white-medium green silicified marble. Chalcopyrite is found with pyrite as blebs and within dark green seams. Oxide stain on fractures and along calcite veinlets. First 27 centimetres of interval is diopside-garnet skarn with disseminated pyrite and chalcopyrite. 1 seam of magnetite.							
						LT	GN	MA	OXI	1I	Cp	1
						LT	GY	BN	HEM	1I		
						LT	GN					
						DK	GN					
84.69	90.33	5.64	SKN	FG	dark to light green, pyroxene +/- garnet skarn and dark green pyroxene-actinolite skarn. Moderately clay altered in places. Hosts moderate disseminated chalcopyrite. Massive pyroxene skarn hosts disseminated and blebby chalcopyrite and fracture hosted chalcopyrite.							
						MD	GN	MA	CLY	2I	Cp	3
						DK	GN	Mo			Py	2
90.33	91.09	0.76	SKN	FG	Semi-massive magnetite skarn being replaced by chalcopyrite. Exhibits oxide staining on fractures and within core itself. Last 50 centimetres of interval is strongly oxidized and hosts medium green pyroxene skarn with trace blebby and fracture controlled pyrite.							
						LT	GN	MA	OXI	3I	Cp	3
						DK	GY				Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
91.09	113.13	22.04	HBS	FG	Well foliated, dark grey to dark purple to light grey. Hornfels-biotite-schist. Strongly oxidized weathering where faulted, marked by gouge and rubble. Other zones host strong oxidation, but less altered and hosts moderate to strong calcite veinlets/veining. Small dark to light green seams, which offset bedding by 1 centimetre. Zones around faults show moderate to strong silicification.							
						DK	GY	FO	OXI	3I	--	0
						DK	GN		SIL	2I		
						DK	PU					
113.13	118.92	5.79	MBL	FG	Well banded, light grey to white to medium green, silicified marble. Chalcopyrite is found with pyrite as blebs and within dark green seams. Oxide stain on fractures and along calcite veinlets. First 27 centimetres of interval is diopside-garnet skarn with disseminated pyrite and chalcopyrite. 1 seam of magnetite less than 1 millimetre in the marble.							
						LT	GY	Mo				
						LT	GN					
						DK	GN	BN	OXI	1I	Cp	2.5
118.92	124.97	6.05	SKN	FG	Pyroxene-diopside-garnet skarn with subtle banding and defined mottled textures. Chalcopyrite is mostly found as blebs within pyroxene-rich areas. Patches of massive chalcopyrite found in 2 x 5 centimetre irregular patches. Local calcite-hematite-pyrite veinlets found locally (trace). Unit is non-magnetite.							
						MD	GN	BN			Py	1
						DK	GN	Mo	---	--	Cp	5
124.97	127.17	2.20	SKN	FG	Mottled to subtly banded ankerite-quartz skarn. Large irregular patches of chalcopyrite up to 6 x 4 centimetres. Chalcopyrite is also fracture controlled in veins up to 2 centimetres wide calcite-quartz veins/veinlets. Chalcopyrite tends to be associated with calcite/calcareous units, while trace molybdenite is found on fractures and disseminated with the chalcopyrite patches. Unit is non-magnetic.							
						--	WH	Mo	---	--	Cp	10
						--	BF	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	BG					
127.17	128.14	0.97	SKN	FG	Dark green, foliated to massive pyroxene-actinolite skarn hosting patchy to blebby chalcopyrite. Chalcopyrite is found in patches up to 4x2 centimetres. Minor calcite-hematite veins. Chalcopyrite is also would within calcite seams.							
						DK	GN	FO	HEM	1I	Cp	4
								MA				
128.14	130.37	2.23	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Calcite and oxidized stringers/veinlets pervasive, but no visible sulphides were observed.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
130.37	132.57	2.20	MBL	FG	Dominantly well banded, light grey to medium grey marble with minor intervals of mottled pyroxene-garnet calc-silicate/skarn. No visible sulphides.							
						MD	GY					
						LT	GY	BN	---	--	--	0
132.57	133.38	0.81	CSL	FG	Moderately oxidized, well banded and weakly to moderately silicified calc-silicate. Vuggy textures with vugs up to 2 centimetres. No visible sulphides.							
						LT	GY	BN	SIL	2I		
						DK	GY					
						--	OR	VU	OXI	3I	--	0
133.38	147.54	14.16	SKN	FG	Interbedded skarn and calc-silicate. First 7 metres of interval is dark green to dark pink mottled and banded pyroxene-garnet skarn. From 136.5 to 138.00 metres up to 5% chalcopyrite found as disseminated in bands and blebby. A 20 centimetre calcite breccia vein is moderately oxidized and hosts 2 % blebby chalcopyrite. The remainder of the intervals grades into more calc-silicate with bands light to dark grey and into nearly silicified hornfels-biotite-schist. Minor mottled pyroxene-garnet skarn found locally up to 1.5 metres wide. Interval of 5 centimetre ankerite-quartz skarn hosting up to 10% chalcopyrite as blebs/patches.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	SIL	2I		
						LT	GY					
						DK	GN	BN	OXI	1I	Cp	2
147.54	151.85	4.31	CSL	FG	Dominantly well banded dark to medium green calc-silicate with intermittent hornfels-biotite-schist. Chalcopyrite is limited to calc-silicate horizons and found as blebs. Hornfels-biotite-schist has rusty fractures and crackle-brecciated textures with calcite seams. Minor black veinlets hosting trace chalcopyrite within calc-silicate.							
						DK	GN	FO	OXI	2I	Cp	0.1
						DK	GY	BN				
						DK	PU					
151.85	162.86	11.01	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Oxide alteration along fractures and within calcite veinlets pervasive throughout. Zones with moderate to strong clay alteration as well as faults (153.5-154.85 m). Fault defined by rubble, gouge and strong oxide alteration.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
162.86	168.94	6.08	SKN	MG	Medium grey to dark green tremolite-actinolite-magnetite skarn. Minor wavy to massive textures. Magnetite is found as wavy stringers intermittently at intervals of 10-20 centimetres. No visible mineralization other than magnetite.							
						LT	GY	MA	---	--	Mg	10
						DK	GN					
168.94	184.15	15.21	GBS	FG	Dark grey to purple to light grey hornfels-garnet-biotite-schist. Oxide staining along fractures and along core (intermittent and minor). A quartz vein up to 30 centimetres and a quartz-tourmaline quartz vein up to 15 centimetres cut garnet-biotite-schist. Garnet crystals up to 0.5 centimetres found disseminated (makes up about 5% of schist).							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
184.15	188.86	4.71	CSL	FG	Well banded, light grey to medium green calc-silicate with interbedded hornfels-biotite-schist. Minor bands of garnet within medium green to light grey banded calc-silicate.							
						MD	GN	BN	---	--	--	0
						LT	GY	FO	---	--		
						DK	GY					
188.86	190.21	1.35	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor calcite veinlets. No visible mineralization.							
						LT	GN					
						DK	GY	XL	PRO	3I		
						DK	PU					
190.21	192.53	2.32	FFP	CG	coarse grained, medium grey, moderately propylitic altered felsic feldspar porphyry dyke. Hornblende is going to chlorite and biotite partially to chlorite. Phlogopite as well? Selvages of 5 to 10 centimetres of quartz-tourmaline is found at top and bottom contacts.							
						MD	GY	XL	PRO	3I	--	0
192.53	194.50	1.97	HBS	FG	Well foliated, dark grey and purple to light grey hornfels-biotite-schist. Minor quartz-tourmaline veins up to 4 centimetres.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
194.50	199.32	4.82	SKN	FG	Massive to banded, medium green to dark pink, pyroxene-garnet-actinolite-epidote skarn. Grades into massive dark green diopside skarn over last 60 centimetres of interval. Molybdenite found within massive pyroxene-actinolite-epidote skarn. Chalcopyrite found within calcite seams (weak) as blebs. Last 60 centimetres of interval within diopside skarn hosts blebby chalcopyrite and molybdenite (both 1 %). Molybdenite vein up to 2 centimetres wide, but pinches quickly (over 3 centimetres) to less that 1 millimetre. Found over a 5 centimetre length. Garnets in interval are zoned and up to 1.5 centimetres.							
						MD	GN	BN			Py	0.5
						DK	GN	MA	---	--	Cp	0.5
						DK	PK				mo	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
199.32	200.88	1.56	CSL	FG	Massive, medium to light green calc-silicate with dark green veinlets cutting at 20 per metre. Trace molybdenite found disseminated throughout, while chalcopyrite is found within minor light grey quartz veinlets.							
						MD	GN	MA	---	--	mo	0.1
						LT	GN				Cp	0.01
200.88	203.05	2.17	SKN	FG	Massive Dark green diopside skarn and dark green to dark pink massive and mottled diopside-garnet skarn. Garnets appear to be zoned. Chalcopyrite is found as blebs locally within hematite altered zones (up to 10 centimetres wide) and in patchy zones. Molybdenite is found as blebs locally and disseminations and forms massive molybdenite in quartz-flooded areas.							
						DK	PK	Mo			mo	1
						DK	GN	MA	HEM	2I	Cp	1
						DK	RD					
203.05	204.90	1.85	CSL	FG	Light to medium green, massive calc-silicate with disseminated molybdenite and patchy to disseminated chalcopyrite.							
						MD	GN				Cp	0.1
						LT	GN	MA	---	--	mo	0.1
204.90	205.90	1.00	SKN	FG	Diopside-magnetite skarn. Semi-massive magnetite skarn with bands of dark green diopside. Chalcopyrite is found as disseminated, blebby and as stringers within semi-massive magnetite. Local hematite alteration (minor) within magnetite skarn. Minor serpentine? Associated with magnetite skarn (dark green vitreous).							
						DK	GN	BN	HEM	2I	Cp	4
						--	--	MA			Py	1
											He	1
205.90	207.32	1.42	HBS	FG	Dark grey to purple to light grey, moderately to strongly silicified hornfels-biotite-schist. Minor disseminated pyrite and chalcopyrite within silicified areas (medium grey in colour).							
						MD	GY				Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY					
						DK	GY	FO	SIL	4I	Cp	0.01
						DK	PU					
207.32	209.64	2.32	FAP	CG	Dark green to grey quartz-feldspar porphyry dyke.							
						DK	GY	PO	---	--	--	0
						DK	GN					
209.64	229.81	20.17	HBS	FG	Dark grey to purple to light grey. Moderately oxidized hornfels-biotite-schist. Intermittent oxidized zones with a 70 centimetre zone of quartz vein/breccia and malachite with chalcopyrite (2%) found as blebs and within quartz vein/breccia. Banded pyrite disseminated/blebby along foliation.							
						LT	GY					
						DK	GY	FO	OXI	2I	Cp	0.01
						DK	PU				Ml	0.01
229.81	232.67	2.86	SKN	FG	Banded to massive medium green to dark grey pyroxene skarn hosting local blebby chalcopyrite. Chalcopyrite found within calcite veinlets and along fractures. Near rudstone/debrite marked by angular/subangular quartz-biotite-schist within pyroxene skarn matrix.							
						MD	GN	BN	---	--	Cp	1
						DK	GN	MA			Py	1
232.67	236.25	3.58	GAB	FG	Dark grey, medium grained gabbro dyke with minor clay-gouge altered fracture and minor oxide staining on fractures (cubic + 5%).							
						DK	GY	XL	OXI	1I	Py	0.1
236.25	240.50	4.25	FAP	CG	Dark grey to green, weakly oxidized quartz-feldspar porphyry. Oxide staining on core, within calcite veinlets and on fractures.							
						DK	GY	PO	OXI	1I	--	0
						DK	GN					
240.50	243.69	3.19	SKN	FG	Massive to banded, dark green pyroxene-diopside skarn. Minor intervals of silicified white marble (up to 20 centimetres). Disseminated and blebby chalcopyrite and pyrite found locally (1% chalcopyrite and 1% pyrite over entire interval). Chalcopyrite and pyrite found as bands within skarn and in chlorite seams.							
						DK	GN	BN	---	--	Cp	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
								MA			Py	1
243.69	259.34	15.65	GAB	MG	Dark grey, crystalline gabbro. Minor quartz-seams with potassium feldspar? Minor fractures host trace chalcopyrite and malachite. Calcite veinlets (minor) found along fractures.							
						DK	GY	XL	---	--	Cp	0.01
											Ml	0.01
259.34	262.42	3.08	SKN	FG	Well banded, to foliated dark green pyroxene-diopside skarn hosting blebby chalcopyrite intermittently. Dark green chlorite? Seams hosting weak to moderate chalcopyrite (2%) found cutting skarn at low angle to core axis. Minor oxide altered interval (30 centimetres wide) with fractures and calcite seams exhibiting moderate oxidation. Trace malachite within these seams. Minor quartz veins (barren and up to 3 centimetres).							
						DK	GN	BN	OXI	1I	Cp	1
								FO			Py	1
262.42	263.55	1.13	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor oxidation within calcite seams.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
263.55	264.59	1.04	SKN	FG	Well banded, dark green pyroxene-diopside skarn. Minor calcite veining up to 1 centimetre along fractures. One 1 centimetre quartz-carbonate vein with minor oxidation hosts blebby molybdenite (3%). No other mineralization was observed.							
						DK	GN	BN	OXI	1I	mo	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
264.59	286.00	21.41	HBS	FG	Well foliated, variably chlorite altered and oxidized, dark purple to grey to light grey hornfels-biotite-schist. Interval of about 1 metre with strong oxide alteration and quartz-carbonate breccia. Intermittent quartz +/- carbonate veins hosting fine grained molybdenite along selvages and medium grained blebs. Alteration halo around these veins are up to 20 centimetres and comprise sericite? Alteration (tan to pale green mica). Molybdenite up to 4% in thee quartz +/- carbonate veins, that is 5 centimetres wide (D-veins?). Calcite and rhodochrosite? Vein about 20 centimetres with comb textures forming alteration halo of strong sericite alteration for over 1 metre.							
						LT	GY		CHL	2I		
						DK	GY	FO	SER	3I	--	0
						DK	PU		OXI	2I		
286.00	287.63	1.63	SKN	FG	Medium to dark green pyroxene and diopside-magnetite skarn. Well banded to massive with minor pyroxene-garnet skarn. Hornfels-biotite-schist is found intermittently and makes up about 50% of interval. Chalcopyrite and pyrite is found as fine grained blebs and within dark green chlorite seams and calcite seams.							
						DK	GN	BN	---	--	Cp	0.1
								MA			Py	0.1
287.63	292.53	4.90	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Trace pyrrhotite. Local garnets up to 1 centimetres.							
						LT	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU					
292.53	293.80	1.27	SKN	FG	Dark green to medium green diopside-magnetite skarn hosting blebby fine to medium grained blebby pyrite and chalcopyrite. Py and Chalcopyrite also found within seams. Centre of intervals shows strong shear zone defined by mylonite/crenulations.							
						MD	GN				Py	2
						DK	GN	SH	---	--	Cp	2
											Mg	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
293.80	300.54	6.74	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Intermittent zones of strong chlorite altered schist and calc-silicate hosting blebby pyrrhotite, pyrite and chalcopyrite. Mineralization found within dark green chlorite/calc0silicate horizons generally as blebs, but minor seams host pyrrhotite, pyrite and chalcopyrite. Local garnets up to 1 centimetre.							
						LT	GY				Po	2
						DK	GY	FO	CHL	2I	Cp	0.1
						DK	PU				Py	1
300.54	303.06	2.52	MBS	FG	Dark grey to green, well foliated metabasite. Biotite-rich and chlorite altered Pyrite found along fractures occasionally. Minor chlorite seams found pervasively.							
						DK	GY	FO	CHL	3I	Py	0.1
						DK	GN					
303.06	326.14	23.08	HBS	FG	Well foliated, dark grey to purple to light grey to dark green hornfels-biotite-schist. Minor calcite seams pervasive with clay altered fractures (moderately calcareous). Chlorite seams with quartz selvages up to 1 centimetre cut core at shallow angle. Minor dark green bands host dominantly blebby pyrite +/- chalcopyrite. Moderately to strong chlorite altered zones up to 1 metre found intermittently. 1 zone with calcite-come structures with sericite alteration halo at top contact.							
						LT	GY					
						DK	GY	FO	CHL	2I	Py	1
						DK	PU					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	6.10	6.10	OVB	FG	Rubbly to gravel overburden with hornfels-biotite-schist rubble.							
						--	--	---	---	--	--	0
6.10	20.76	14.66	HBS	FG	Well foliated, intermittently oxidized, dark grey-purple to light grey hornfels-biotite-schist. One significant band of chalcopyrite-pyrrhotite vein (1 centimetre wide 60% chalcopyrite and 40% pyrrhotite). Minor zones of strongly oxidized hornfels-biotite-schist with near clay alteration. Up to 10 centimetre calc-silicate horizons hosting pyrrhotite (5%), pyrite (5%) and chalcopyrite (1%). It's cut by chlorite seams hosting chalcopyrite and pyrite.							
						MD	GN					
						LT	GY				Cp	0.01
						DK	PU				Py	0.1
						DK	GY	FO	OXI	2I	Po	1
20.76	20.95	0.19	FAP	CG	Dark green feldspar porphyry dyke cuts hornfels-biotite-schist at 25 degrees to core axis.							
						DK	GY					
						DK	GN	PO	---	--	--	0
20.95	21.83	0.88	HBS	FG	Well foliated, weakly chlorite altered hornfels-biotite-schist. Minor calcite veinlets. Trace blebby pyrite within schist.							
						DK	GN					
						LT	GY					
						DK	PU					
						DK	GY	FO	CHL	2I	Py	0.1
21.83	22.26	0.43	FAP	CG	Dark green feldspar porphyry dyke cuts hornfels-biotite-schist at 25 degrees to core axis.							
						DK	GY	PO	---	--	--	0
						DK	GN					
22.26	23.60	1.34	AND	FG	Fine grained, dark grey-grey andesite dyke with minor intervals of hornfels-biotite-schist (up to 10 centimetres). Crenulated textures (minor).							
						DK	GN					
						DK	GY	---	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
23.60	29.83	6.23	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Silicified intervals up to 5 centimetres along foliation/bedding. Cut by moderate about 4 per metre quartz seams (barren). Manganese dendrites form along fractures. Intermittently magnetic (weak).							
						LT	GY					
						DK	PU					
						DK	GY	FO	---	--	Po	1
29.83	36.53	6.70	FFP	CG	Strongly propylitic altered felsic feldspar porphyry dyke with phenocrysts up to 1.5 by 1 centimetre. Chalcopyrite is found along fractures, within chlorite seams and disseminated. Last 20 centimetres of interval has oxide feldspars, fractures and seams. Medium grained hornblende							
						MD	GY	PO	PRO	4I	Cp	0.1
36.53	42.39	5.86	FFP	MG	Coarse grained, medium grey felsic porphyry dyke with fractures/seams hosting chalcopyrite weathering into malachite (trace). Feldspar phenocrysts up to 1.5 x 1 centimetre. Minor clay alteration with rusty fractures (minor). Medium grained hornblende							
						MD	GY	XL	PRO	3I	Cp	0.1
								PO				
42.39	43.32	0.93	FAP	CG	Dark green to grey feldspar porphyry dyke.							
						DK	GY					
						DK	GN	PO	---	--	--	0
43.32	57.84	14.52	FFP	CG	Medium grey, felsic feldspar porphyritic dyke. Clay seams have orange weathering cubes (pyrite?). Medium graIned hornblende							
						MD	GY	XL	PRO	3I	--	0
57.84	58.90	1.06	FAP	CG	Dark grey to green feldspar porphyry dyke.							
						DK	GY	PO	---	--	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
58.90	66.47	7.57	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor intervals of strongly chlorite altered quartz-biotite-schist (up to 10 centimetres). Fracture controlled mineralization defined by malachite and chalcopyrite on fractures. These are found locally and trace.							
						DK	PU					
						LT	GY					
						DK	GY	FO	CHL	1I	Cp	0.01
66.47	68.53	2.06	CSL	FG	Well foliated to banded, medium green calc-silicate with trace disseminated pyrite found intermittently. Minor rusty fractures.							
						MD	GY	XL	---	--	Py	1
						MD	GN					
68.53	69.22	0.69	FFP	CG	Medium grey felsic feldspar porphyry dyke with contact of 10 centimetres grading into medium green and silicified at top of contact.							
						MD	GY	XL	PRO	3I	--	0
						MD	GN					
69.22	70.27	1.05	CSL	FG	Well foliated to banded medium green calc-silicate with trace disseminated pyrite found intermittently. Minor rusty fractures.							
						MD	GN	FO	---	--	Py	1
								BN				
70.27	71.12	0.85	FFP	CG	Medium grey felsic feldspar porphyry dyke. Intermittent pale green alteration of dyke found intermittently for up to 15-20 centimetres.							
						MD	GN					
						MD	GY	XL	PRO	3I	--	0
71.12	77.70	6.58	CSL	FG	Interbedded massive pyroxene skarn (50 % of interval), hornfels-biotite-schist (40 % of interval), buff to light milky grey calc-silicate? (5 % of interval) and banded pyroxene-garnet (5 % of interval). No visible sulphides. Moderately to strongly oxidized (mostly hornfels-biotite-schist).							
						DK	GN	FO	OXI	3I	--	0
						MD	GN	MA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY					
						DK	PU					
77.70	82.07	4.37	FFP	MG	Medium grey, felsic feldspar porphyry dyke with plagioclase phenocryrsts up to 1.5 x 1 centimetre. Trace chalcopyrite within minor seams cutting core at low angles. Oxide alteration found locally weathering feldspars near calcite veinlets. Minor oxide on fractures.							
						MD	GY	PO	PRO	3I	Cp	0.01
82.07	91.09	9.02	SKN	FG	Mineralized skarn zone - Bonus skarn. Dominantly medium green, massive pyroxene skarn with intermittent medium grey to light grey banded siliceous marble, pale green massive calc-silicate and semi-massive magnetite skarn. Chalcopyrite is found as blebs and disseminations as late stage veinlets. Pyrite is associated with chalcopyrite in some intervals and others associated with magnetite. Minor clay altered skarn. Strong hematite found on fractures locally.							
						LT	GN					
						MD	GN	MA	OXI	1I	Cp	1
						DK	GN				Mg	3
						LT	GY	BN	HEM	1I	Py	2
91.09	113.13	22.04	HBS	FG	Well foliated, dark grey to dark purple to light grey. Hornfels-biotite-schist. Strongly oxidized weathering where faulted, marked by gouge and rubble. Other zones host strong oxidation, but less altered and hosts moderate to strong calcite veinlets/veining. Small dark to light green seams, which offset bedding by 1 centimetre. Zones around faults show moderate to strong silicification.							
						DK	GY	FO	OXI	3I	--	0
						DK	GN		SIL	2I		
						DK	PU					
113.13	151.85	38.72	SKN	FG	Skarn to calc-silicate package - JG ZONE: Hosts banded pyroxene-light grey skarn, silicified marble, mottled to banded ankerite-quartz skarn, diopside-garnet skarn. Chalcopyrite varies between each unit, but is found as disseminated, blebby and fracture controlled.							
						DK	GN	BN	OXI	1I	Cp	2.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	Mo				
						LT	GN					
151.85	162.86	11.01	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Oxide alteration along fractures and within calcite veinlets pervasive throughout. Zones with moderate to strong clay alteration as well as faults (153.5-154.85 m). Fault defined by rubble, gouge and strong oxide alteration.							
						DK	PU					
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
162.86	168.94	6.08	SKN	MG	Medium grey to dark green tremolite-actinolite-magnetite skarn. Minor wavy to massive textures. Magnetite is found as wavy stringers intermittently at intervals of 10-20 centimetres. No visible mineralization other than magnetite.							
						DK	GN					
						LT	GY	MA	---	--	Mg	10
168.94	184.15	15.21	GBS	FG	Dark grey to purple to light grey hornfels-garnet-biotite-schist. Oxide staining along fractures and along core (intermittent and minor). A quartz vein up to 30 centimetres and a quartz-tourmaline quartz vein up to 15 centimetres cut garnet-biotite-schist. Garnet crystals up to 0.5 centimetres found disseminated (makes up about 5% of schist).							
						DK	GY	FO	OXI	1I	--	0
						LT	GY					
						DK	PU					
184.15	188.86	4.71	CSL	FG	Well banded, light grey to medium green calc-silicate with interbedded hornfels-biotite-schist. Minor bands of garnet within medium green to light grey banded calc-silicate.							
						MD	GN	BN	---	--	--	0
						LT	GY	FO	---	--		
						DK	GY					
188.86	190.21	1.35	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor calcite veinlets. No visible mineralization.							
						DK	GY	XL	PRO	3I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
190.21	192.53	2.32	FFP	MG	coarse grained, medium grey, moderately propylitic altered felsic feldspar porphyry dyke. Hornblende is going to chlorite and biotite partially to chlorite. Phlogopite as well? Selvages of 5 to 10 centimetres of quartz-tourmaline is found at top and bottom contacts.							
						MD	GY	XL	PRO	3I	--	0
192.53	194.50	1.97	HBS	FG	Well foliated, dark grey and purple to light grey hornfels-biotite-schist. Minor quartz-tourmaline veins up to 4 centimetres.							
						DK	GY	FO	---	--	--	0
						DK	PU					
						LT	GY					
194.50	205.90	11.40	SKN	FG	AM Zone: Intermittent banded to mottled pyroxene-garnet skarn, banded to massive pyroxene-diopside skarn, massive to banded pale green calc-silicate and diopside-magnetite skarn. Chalcopyrite and molybdenite is found variably over entire interval.							
						LT	GY	Mo			mo	0.5
						DK	GN	BN	---	--	Cp	0.5
						LT	GN	MA			Py	0.1
205.90	207.32	1.42	HBS	FG	Dark grey to purple to light grey, moderately to strongly silicified hornfels-biotite-schist. Minor disseminated pyrite and chalcopyrite within silicified areas (medium grey in colour).							
						MD	GY				Py	0.01
						DK	PU					
						LT	GY					
						DK	GY	FO	SIL	4I	Cp	0.01
207.32	209.64	2.32	FAP	CG	Dark green to grey quartz-feldspar porphyry dyke.							
						DK	GN					
						DK	GY	PO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.64	229.81	20.17	HBS	FG	Dark grey to purple to light grey. Moderately oxidized hornfels-biotite-schist. Intermittent oxidized zones with a 70 centimetre zone of quartz vein/breccia and malachite with chalcopyrite (2%) found as blebs and within quartz vein/breccia. Banded pyrite disseminated/blebby along foliation.							
						DK	GY	FO	OXI	2I	Cp	0.01
						DK	PU				Ml	0.01
						LT	GY					
229.81	232.67	2.86	SKN	FG	Banded to massive medium green to dark grey pyroxene skarn hosting local blebby chalcopyrite. Chalcopyrite found within calcite veinlets and along fractures. Near rudstone/debrite marked by angular/subangular quartz-biotite-schist within pyroxene skarn matrix.							
						MD	GN	BN	---	--	Cp	1
						DK	GN	MA			Py	1
232.67	236.25	3.58	GAB	FG	Dark grey, medium grained gabbro dyke with minor clay-gouge altered fracture and minor oxide staining on fractures (cubic + 5%).							
						DK	GY	XL	OXI	1I	Py	0.1
236.25	240.50	4.25	FAP	CG	Dark grey to green, weakly oxidized quartz-feldspar porphyry. Oxide staining on core, within calcite veinlets and on fractures.							
						DK	GY	PO	OXI	1I	--	0
						DK	GN					
240.50	243.69	3.19	SKN	FG	Massive to banded, dark green pyroxene-diopside skarn. Minor intervals of silicified white marble (up to 20 centimetres). Disseminated and blebby chalcopyrite and pyrite found locally (1% chalcopyrite and 1% pyrite over entire interval). Chalcopyrite and pyrite found as bands within skarn and in chlorite seams.							
						DK	GN	BN	---	--	Cp	1
								MA			Py	1
243.69	259.34	15.65	GAB	MG	Dark grey, crystalline gabbro. Minor quartz-seams with potassium feldspar? Minor fractures host trace chalcopyrite and malachite. Calcite veinlets (minor) found along fractures.							
											Ml	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	XL	---	--	Cp	0.01
259.34	262.42	3.08	SKN	FG	Well banded, to foliated dark green pyroxene-diopside skarn hosting blebby chalcopyrite intermittently. Dark green chlorite? Seams hosting weak to moderate chalcopyrite (2%) found cutting skarn at low angle to core axis. Minor oxide altered interval (30 centimetres wide) with fractures and calcite seams exhibiting moderate oxidation. Trace malachite within these seams. Minor quartz veins (barren and up to 3 centimetres).							
								FO			Py	1
						DK	GN	BN	OXI	1I	Cp	1
262.42	263.55	1.13	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor oxidation within calcite seams.							
						DK	PU					
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
263.55	264.59	1.04	SKN	FG	Well banded, dark green pyroxene-diopside skarn. Minor calcite veining up to 1 centimetre along fractures. One 1 centimetre quartz-carbonate vein with minor oxidation hosts blebby molybdenite (3%). No other mineralization was observed.							
						DK	GN	BN	OXI	1I	mo	0.1
264.59	286.00	21.41	HBS	FG	Well foliated, variably chlorite altered and oxidized, dark purple to grey to light grey hornfels-biotite-schist. Interval of about 1 metre with strong oxide alteration and quartz-carbonate breccia. Intermittent quartz +/- carbonate veins hosting fine grained molybdenite along selvages and medium grained blebs. Alteration halo around these veins are up to 20 centimetres and comprise sericite? Alteration (tan to pale green mica). Molybdenite up to 4% in thee quartz +/- carbonate veins, that is 5 centimetres wide (D-veins?). Calcite and rhodochrosite? Vein about 20 centimetres with comb textures forming alteration halo of strong sericite alteration for over 1 metre.							
						LT	GY		CHL	2I		
						DK	PU		OXI	2I		
						DK	GY	FO	SER	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
286.00	287.63	1.63	SKN	FG	Medium to dark green pyroxene and diopside-magnetite skarn. Well banded to massive with minor pyroxene-garnet skarn. Hornfels-biotite-schist is found intermittently and makes up about 50% of interval. Chalcopyrite and pyrite is found as fine grained blebs and within dark green chlorite seams and calcite seams.							
						DK	GN	BN	---	--	Cp	0.1
								MA			Py	0.1
287.63	292.53	4.90	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Trace pyrrhotite. Local garnets up to 1 centimetres.							
						DK	GY	FO	---	0I	--	0
						DK	PU					
						LT	GY					
292.53	293.80	1.27	SKN	FG	Dark green to medium green diopside-magnetite skarn hosting blebby fine to medium grained blebby pyrite and chalcopyrite. Py and Chalcopyrite also found within seams. Centre of intervals shows strong shear zone defined by mylonite/crenulations.							
						DK	GN	SH	---	--	Cp	2
						MD	GN				Py	2
											Mg	5
293.80	300.54	6.74	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Intermittent zones of strong chlorite altered schist and calc-silicate hosting blebby pyrrhotite, pyrite and chalcopyrite. Mineralization found within dark green chlorite/calc0silicate horizons generally as blebs, but minor seams host pyrrhotite, pyrite and chalcopyrite. Local garnets up to 1 centimetre.							
						DK	PU				Py	1
						LT	GY				Po	2
						DK	GY	FO	CHL	2I	Cp	0.1
300.54	303.06	2.52	MBS	FG	Dark grey to green, well foliated metabasite. Biotite-rich and chlorite altered Pyrite found along fractures occasionally. Minor chlorite seams found pervasively.							
						DK	GY	FO	CHL	3I	Py	0.1
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
303.06	326.14	23.08	HBS	FG	Well foliated, dark grey to purple to light grey to dark green hornfels-biotite-schist. Minor calcite seams pervasive with clay altered fractures (moderately calcareous). Chlorite seams with quartz selvages up to 1 centimetre cut core at shallow angle. Minor dark green bands host dominantly blebby pyrite +/- chalcopyrite. Moderately to strong chlorite altered zones up to 1 metre found intermittently. 1 zone with calcite-come structures with sericite alteration halo at top contact.							
						DK	GY	FO	CHL	2I	Py	1
						LT	GY					
						DK	PU					
						DK	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.57	4.57	0	0	0.00	0	0R	--	--	Casing - no core
4.57	6.10	1.53	0.6	39	0.00	0	0R	--	3W	
6.10	9.14	3.04	3.04	100	2.06	68	0R	--	4W	
9.14	12.19	3.05	3.05	100	2.45	80	0R	--	3W	
12.19	15.24	3.05	3.03	99	2.00	66	0R	--	4W	
15.24	18.28	3.04	3.04	100	2.73	90	0R	--	2W	
18.28	19.81	1.53	1.48	97	1.20	78	0R	--	3W	
19.81	21.33	1.52	1.52	100	1.25	82	0R	--	3W	
21.33	24.38	3.05	3.05	100	2.15	70	0R	--	3W	
24.38	27.43	3.05	2.88	94	1.93	63	1R	--	2W	
27.43	30.48	3.05	2.94	96	2.46	81	1R	--	2W	
30.48	33.53	3.05	2.93	96	2.39	78	0R	--	2W	
33.53	35.05	1.52	1.48	97	1.08	71	0R	--	3W	
35.05	36.58	1.53	1.53	100	1.20	78	0R	--	4W	
36.58	39.62	3.04	2.96	97	2.39	79	3R	--	3W	
39.62	42.67	3.05	2.51	82	1.46	48	0R	--	1W	
42.67	45.72	3.05	3.05	100	2.78	91	0R	--	1W	
45.72	48.77	3.05	3.05	100	3.05	100	0R	--	1W	
48.77	51.82	3.05	3.05	100	2.63	86	2R	--	1W	
51.82	54.86	3.04	3.04	100	2.78	91	0R	--	1W	
54.86	57.91	3.05	3.05	100	2.76	90	0R	--	1W	
57.91	60.96	3.05	3.05	100	2.82	92	0R	--	1W	
60.96	64.01	3.05	3.05	100	2.86	94	0R	--	1W	
64.01	67.06	3.05	3	98	2.40	79	0R	--	1W	
67.06	70.10	3.04	3.04	100	2.95	97	2R	--	1W	
70.10	73.15	3.05	3.05	100	2.71	89	2R	--	3W	
73.15	76.20	3.05	3.05	100	2.85	93	1R	--	3W	
76.20	79.25	3.05	3.05	100	2.66	87	1R	--	3W	
79.25	82.30	3.05	3.05	100	2.76	90	1R	--	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
82.30	85.34	3.04	3.04	100	2.75	90	0R	--	2W	
85.34	88.39	3.05	3.05	100	2.24	73	0R	--	2W	
88.39	91.44	3.05	3.05	100	2.63	86	0R	--	1W	
91.44	94.49	3.05	3.05	100	1.94	64	0R	--	2W	
94.49	97.54	3.05	2.78	91	1.58	52	0R	--	4W	
97.54	100.58	3.04	3.04	100	1.93	63	0R	--	2W	
100.58	103.63	3.05	3.05	100	2.27	74	1R	--	2W	
103.63	106.68	3.05	2.86	94	1.82	60	2R	--	2W	
106.68	109.73	3.05	2.91	95	2.03	67	4R	--	5W	
109.73	112.78	3.05	2.95	97	2.76	90	2R	--	4W	
112.78	115.82	3.04	3.04	100	2.82	93	1R	--	3W	
115.82	118.87	3.05	3.05	100	2.79	91	1R	--	3W	
118.87	121.92	3.05	3.05	100	2.88	94	1R	--	3W	
121.92	124.36	2.44	2.44	100	2.35	96	0R	--	1W	
124.36	127.41	3.05	3.05	100	3.05	100	4R	--	1W	
127.41	129.23	1.82	1.6	88	1.33	73	4R	--	1W	
129.23	131.06	1.83	1.83	100	1.76	96	0R	--	1W	
131.06	134.11	3.05	3.05	100	3.05	100	0R	--	2W	
134.11	137.16	3.05	3.05	100	3.00	98	3R	--	1W	
137.16	140.21	3.05	3.05	100	3.05	100	4R	--	1W	
140.21	143.26	3.05	3.05	100	2.90	95	4R	--	1W	
143.26	146.30	3.04	3.04	100	2.46	81	1R	--	1W	
146.30	149.35	3.05	3.05	100	2.56	84	1R	--	1W	
149.35	151.94	2.59	2.5	97	2.07	80	1R	--	2W	
151.94	154.53	2.59	2.59	100	0.94	36	2R	--	3W	
154.53	156.97	2.44	2.16	89	2.03	83	0R	--	2W	
156.97	158.50	1.53	1.53	100	0.87	57	0R	--	1W	
158.50	161.54	3.04	3.04	100	2.01	66	0R	--	1W	
161.54	164.59	3.05	2.85	93	1.91	63	0R	--	3W	
164.59	167.64	3.05	3.05	100	2.70	89	0R	--	2W	
167.64	170.69	3.05	3.04	100	2.71	89	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
170.69	173.74	3.05	3.05	100	3.05	100	0R	--	4W	
173.74	176.78	3.04	3.04	100	3.02	99	0R	--	1W	
176.78	179.83	3.05	3.04	100	3.02	99	0R	--	1W	
179.83	182.88	3.05	2.93	96	2.04	67	0R	--	1W	
182.88	185.93	3.05	3.05	100	3.05	100	0R	--	1W	
185.93	188.98	3.05	3.05	100	3.05	100	0R	--	1W	
188.98	192.02	3.04	3.04	100	2.70	89	0R	--	1W	
192.02	194.46	2.44	2.44	100	2.38	98	0R	--	1W	
194.46	195.60	1.14	1.14	100	1.06	93	0R	--	1W	
195.60	197.81	2.21	2.21	100	2.13	96	0R	--	1W	
197.81	200.86	3.05	3.05	100	2.25	74	3R	--	1W	
200.86	203.00	2.14	2.14	100	2.02	94	3R	--	1W	
203.00	204.22	1.22	1.22	100	1.02	84	1R	--	1W	
204.22	207.26	3.04	3.04	100	2.31	76	2R	--	1W	
207.26	210.31	3.05	2.79	91	2.39	78	0R	--	1W	
210.31	213.36	3.05	3.05	100	2.60	85	0R	--	1W	
213.36	216.41	3.05	2.72	89	1.51	50	0R	--	1W	
216.41	219.45	3.04	2.87	94	2.46	81	0R	--	1W	
219.45	222.50	3.05	3.05	100	2.30	75	0R	--	1W	
222.50	225.55	3.05	2.79	91	2.19	72	0R	--	2W	
225.55	228.60	3.05	2.91	95	2.35	77	0R	--	3W	
228.60	231.65	3.05	3.03	99	2.69	88	0R	--	1W	
231.65	234.70	3.05	3.05	100	2.92	96	0R	--	1W	
234.70	237.74	3.04	2.9	95	2.40	79	0R	--	1W	
237.74	240.79	3.05	3.05	100	2.11	69	0R	--	1W	
240.79	243.84	3.05	3.05	100	2.79	91	0R	--	1W	
243.84	246.89	3.05	3.05	100	3.05	100	0R	--	1W	
246.89	249.94	3.05	3.05	100	2.88	94	0R	--	1W	
249.94	252.98	3.04	3.04	100	2.73	90	0R	--	1W	
252.98	256.03	3.05	3.05	100	2.84	93	0R	--	1W	
256.03	259.08	3.05	3.05	100	2.99	98	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
259.08	262.13	3.05	3.05	100	2.92	96	0R	--	1W	
262.13	265.18	3.05	3.05	100	2.76	90	0R	--	1W	
265.18	267.92	2.74	2.65	97	1.95	71	0R	--	1W	
267.92	270.97	3.05	3	98	2.92	96	2R	--	1W	
270.97	272.80	1.83	1.3	71	0.80	44	3R	--	3W	
272.80	274.32	1.52	1.49	98	0.99	65	3R	--	3W	
274.32	277.06	2.74	2.74	100	2.74	100	1R	--	1W	
277.06	279.81	2.75	2.75	100	2.75	100	0R	--	1W	
279.81	281.33	1.52	1.52	100	1.52	100	0R	--	1W	
281.33	283.46	2.13	2.13	100	2.13	100	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.17	71	0R	--	1W	
286.51	289.56	3.05	3.05	100	3.05	100	0R	--	1W	
289.56	292.61	3.05	2.87	94	1.84	60	0R	--	1W	
292.61	295.66	3.05	3.05	100	3.05	100	2R	--	1W	
295.66	298.70	3.04	2.99	98	2.15	71	0R	--	1W	
298.70	301.75	3.05	3.05	100	2.90	95	0R	--	1W	
301.75	304.80	3.05	3.05	100	2.75	90	0R	--	1W	
304.80	307.85	3.05	3.05	100	2.44	80	0R	--	1W	
307.85	310.90	3.05	3.05	100	2.18	71	0R	--	1W	
310.90	313.94	3.04	3.04	100	1.99	65	0R	--	1W	
313.94	316.99	3.05	3.05	100	2.28	75	0R	--	1W	
316.99	320.04	3.05	3.05	100	2.01	66	0R	--	1W	
320.04	323.09	3.05	3.05	100	1.57	51	0R	--	1W	
323.09	326.14	3.05	3.05	100	3.05	100	0R	--	1W	

Rockhaven RESOURCES LTD. Sample Log

HOP-15-002

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

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	R500281	☐	15-008	Pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500203	☐	15-006	orangey		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500205	☐	15-006	orangey	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500212	☐	15-006	orangey		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500228	☐	15-007	Greeny	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500242	☐	15-007	Greeny	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500245	☐	15-007	Greeny		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500248	☐	15-007	Greeny		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500258	☐	15-008	Pinky	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500268	☐	15-008	Pinky	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500273	☐	15-008	Pinky		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500193	☐	15-006	orangey	ME-15	☐	☐	☐
16.05	17.05	1.00	HBS	1.00	100	R500189	☐	15-006	orangey		☐	☐	☐
28.83	29.83	1.00	HBS	1.00	100	R500190	☐	15-006	orangey		☐	☐	☐
29.83	32.80	2.97	HBS, FFP	2.90	98	R500191	☐	15-006	orangey		☐	☐	☐
32.80	35.34	2.54	FFP	2.54	100	R500192	☐	15-006	orangey		☐	☐	☐
35.34	38.34	3.00	FFP	2.64	88	R500194	☐	15-006	orangey		☐	☐	☐
38.34	42.39	4.05	FFP	3.58	88	R500195	☐	15-006	orangey		☐	☐	☐
71.12	73.02	1.90	CSL, FFP	1.82	96	R500196	☐	15-006	orangey		☐	☐	☐
79.57	82.07	2.50	FFP	2.50	100	R500197	☐	15-006	orangey		☐	☐	☐

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
79.57	82.07	2.50	FFP	2.50	100	R500198	☐	15-006	orangey		☐	☐	☑
82.07	84.69	2.62	SKN, FFP	2.61	100	R500199	☐	15-006	orangey		☐	☐	☐
84.69	87.51	2.82	SKN	2.82	100	R500200	☐	15-006	orangey		☐	☐	☐
87.51	90.33	2.82	SKN	2.81	100	R500201	☐	15-006	orangey		☐	☐	☐
90.33	91.09	0.76	SKN	0.76	100	R500202	☐	15-006	orangey		☐	☐	☐
91.09	92.09	1.00	HBS, SKN	1.00	100	R500204	☐	15-006	orangey		☐	☐	☐
110.13	113.13	3.00	HBS	3.00	100	R500206	☐	15-006	orangey		☐	☐	☐
113.13	115.97	2.84	HBS, SKN	2.83	100	R500207	☐	15-006	orangey		☐	☐	☐
115.97	118.92	2.95	SKN	2.94	100	R500208	☐	15-006	orangey		☐	☐	☐
118.92	120.00	1.08	SKN	1.07	99	R500230	☐	15-006	orangey		☐	☐	☐
120.00	121.70	1.70	SKN	1.68	99	R500209	☐	15-006	orangey		☐	☐	☐
121.70	124.97	3.27	SKN	3.00	92	R500210	☐	15-006	orangey		☐	☐	☐
124.97	127.17	2.20	SKN	2.20	100	R500211	☐	15-006	orangey		☐	☐	☐
127.17	128.14	0.97	SKN	0.90	93	R500213	☐	15-006	orangey		☐	☐	☐
128.14	130.37	2.23	SKN	1.99	89	R500214	☐	15-006	orangey		☐	☐	☐
130.37	132.57	2.20	SKN	2.20	100	R500215	☐	15-006	orangey		☐	☐	☐
132.57	133.86	1.29	SKN	1.29	100	R500216	☐	15-007	Greeny		☐	☐	☐
133.86	136.60	2.74	SKN	2.74	100	R500217	☐	15-007	Greeny		☐	☐	☐
136.60	138.60	2.00	SKN	2.00	100	R500218	☐	15-007	Greeny		☐	☐	☐
138.60	140.64	2.04	SKN	2.02	99	R500219	☐	15-007	Greeny		☐	☐	☐

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
140.64	143.28	2.64	SKN	2.63	100	R500220	☐	15-007	Greeny		☐	☐	☐
143.28	144.54	1.26	SKN	1.26	100	R500221	☐	15-007	Greeny		☐	☐	☐
144.54	147.54	3.00	SKN	3.00	100	R500222	☐	15-007	Greeny		☐	☐	☐
144.54	147.54	3.00	SKN	3.00	100	R500223	☐	15-007	Greeny		☐	☑	☐
147.54	148.61	1.07	SKN	1.06	99	R500224	☐	15-007	Greeny		☐	☐	☐
148.61	150.85	2.24	SKN	2.22	99	R500225	☐	15-007	Greeny		☐	☐	☐
150.85	151.85	1.00	SKN	1.00	100	R500226	☐	15-007	Greeny		☐	☐	☐
151.85	154.85	3.00	HBS, SKN	3.00	100	R500227	☐	15-007	Greeny		☐	☐	☐
154.85	157.21	2.36	HBS	2.03	86	R500229	☐	15-007	Greeny		☐	☐	☐
157.21	160.21	3.00	HBS	3.00	100	R500231	☐	15-007	Greeny		☐	☐	☐
160.21	162.86	2.65	HBS	2.45	92	R500232	☐	15-007	Greeny		☐	☐	☐
162.86	165.45	2.59	SKN, HBS	2.50	97	R500233	☐	15-007	Greeny		☐	☐	☐
162.86	165.45	2.59	SKN, HBS	2.50	97	R500234	☐	15-007	Greeny		☐	☐	☑
165.45	167.21	1.76	SKN	1.76	100	R500235	☐	15-007	Greeny		☐	☐	☐
167.21	168.94	1.73	SKN	1.73	100	R500236	☐	15-007	Greeny		☐	☐	☐
168.94	170.69	1.75	SKN, GBS	1.75	100	R500237	☐	15-007	Greeny		☐	☐	☐
192.53	194.50	1.97	FFP, HBS	1.97	100	R500238	☐	15-007	Greeny		☐	☐	☐
194.50	196.50	2.00	HBS, SKN	2.00	100	R500239	☐	15-007	Greeny		☐	☐	☐
196.50	198.32	1.82	SKN	1.82	100	R500240	☐	15-007	Greeny		☐	☐	☐
198.32	199.32	1.00	SKN	1.00	100	R500241	☐	15-007	Greeny		☐	☐	☐
199.32	200.88	1.56	SKN	1.56	100	R500243	☐	15-007	Greeny		☐	☐	☐
200.88	203.05	2.17	SKN	2.17	100	R500244	☐	15-007	Greeny		☐	☐	☐
203.05	204.90	1.85	SKN	1.85	100	R500246	☐	15-007	Greeny		☐	☐	☐
204.90	205.90	1.00	SKN	1.00	100	R500247	☐	15-007	Greeny		☐	☐	☐
205.90	207.32	1.42	SKN, HBS	1.42	100	R500249	☐	15-007	Greeny		☐	☐	☐

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
207.32	209.64	2.32	HBS, FAP	2.12	91	R500250	☐	15-007	Greeny		☐	☐	☐
209.64	212.64	3.00	FAP, HBS	2.82	94	R500251	☐	15-007	Greeny		☐	☐	☐
212.64	215.64	3.00	HBS	2.14	71	R500252	☐	15-007	Greeny		☐	☐	☐
215.64	218.64	3.00	HBS	2.80	93	R500253	☐	15-008	Pinky		☐	☐	☐
218.64	221.64	3.00	HBS	2.83	94	R500254	☐	15-008	Pinky		☐	☐	☐
221.64	224.64	3.00	HBS	2.80	93	R500255	☐	15-008	Pinky		☐	☐	☐
224.64	226.97	2.33	HBS	2.20	94	R500256	☐	15-008	Pinky		☐	☐	☐
226.97	227.87	0.90	HBS	0.87	97	R500257	☐	15-008	Pinky		☐	☐	☐
227.87	229.81	1.94	HBS	1.15	59	R500259	☐	15-008	Pinky		☐	☐	☐
229.81	232.67	2.86	SKN, HBS	2.66	93	R500260	☐	15-008	Pinky		☐	☐	☐
240.50	242.46	1.96	FAP, SKN	1.93	98	R500261	☐	15-008	Pinky		☐	☐	☐
242.46	243.69	1.23	SKN	1.22	99	R500262	☐	15-008	Pinky		☐	☐	☐
242.46	243.69	1.23	SKN	1.22	99	R500263	☐	15-008	Pinky		☐	☐	☑
259.34	262.42	3.08	SKN, GAB	2.17	70	R500264	☐	15-008	Pinky		☐	☐	☐
262.42	264.59	2.17	HBS, SKN	1.97	91	R500265	☐	15-008	Pinky		☐	☐	☐
264.59	266.93	2.34	SKN, HBS	2.34	100	R500266	☐	15-008	Pinky		☐	☐	☐
266.93	269.97	3.04	HBS	2.95	97	R500267	☐	15-008	Pinky		☐	☐	☐
269.97	271.02	1.05	HBS	0.80	76	R500269	☐	15-008	Pinky		☐	☐	☐
271.02	273.94	2.92	HBS	2.60	89	R500270	☐	15-008	Pinky		☐	☐	☐
273.94	276.56	2.62	HBS	2.62	100	R500271	☐	15-008	Pinky		☐	☐	☐
276.56	277.56	1.00	HBS	1.00	100	R500272	☐	15-008	Pinky		☐	☐	☐
277.56	280.41	2.85	HBS	2.85	100	R500274	☐	15-008	Pinky		☐	☐	☐
280.41	283.41	3.00	HBS	3.00	100	R500275	☐	15-008	Pinky		☐	☐	☐
283.41	286.00	2.59	HBS	2.59	100	R500276	☐	15-008	Pinky		☐	☐	☐

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
286.00	287.63	1.63	SKN, HBS	1.63	100	R500277	☐	15-008	Pinky		☐	☐	☐
287.63	290.63	3.00	SKN, HBS	3.00	100	R500278	☐	15-008	Pinky		☐	☐	☐
290.63	292.53	1.90	HBS	1.77	93	R500279	☐	15-008	Pinky		☐	☐	☐
292.53	293.80	1.27	SKN, HBS	1.27	100	R500280	☐	15-008	Pinky		☐	☐	☐
293.80	295.62	1.82	SKN, HBS	1.82	100	R500282	☐	15-008	Pinky		☐	☐	☐
293.80	295.62	1.82	SKN, HBS	1.82	100	R500283	☐	15-008	Pinky		☐	☑	☐
295.62	298.70	3.08	HBS	3.03	98	R500284	☐	15-008	Pinky		☐	☐	☐
298.70	300.54	1.84	HBS	1.84	100	R500285	☐	15-008	Pinky		☐	☐	☐
300.54	303.06	2.52	HBS, MBS	2.52	100	R500286	☐	15-008	Pinky		☐	☐	☐
303.06	304.06	1.00	HBS, MBS	1.00	100	R500287	☐	15-008	Pinky		☐	☐	☐

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397351	6795656	1326	288.95

ZONE: Hopper

SECTION:

HOLE: HOP-15-003

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 5m, Out

Drilling Dates: Jul 02 - Jul 05, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
3.04	270.8	-59.8	Ranger
286.51	283	-59.9	Ranger

TARGET: JG

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	OVB
1.52	10.01	8.49	FFP
10.01	10.39	0.38	HBS
10.39	13.02	2.63	FFP
13.02	20.11	7.09	HBS
20.11	20.32	0.21	SKN
20.32	22.65	2.33	HBS
22.65	23.17	0.52	CSL
23.17	26.92	3.75	HBS
26.92	28.91	1.99	SKN
28.91	32.55	3.64	HBS
32.55	33.1	0.55	FAP
33.1	36.38	3.28	HBS
36.38	37.26	0.88	SKN
37.26	38.35	1.09	HBS
38.35	40.85	2.5	SKN

SAMPLES	
Numbers:	R500288 to R500427
Total:	140
Batch:	008, 009, 010, 011, 012
Certificates:	WH15100405, WH15100408, WH15100410, WH15100412, WH15103734

COMMENTS

40.85	45.54	4.69	HBS
45.54	51.38	5.84	HBS
51.38	52.23	0.85	SKN
52.23	68.03	15.8	HBS
68.03	73.45	5.42	FFP
73.45	74.81	1.36	FAP
74.81	103.03	28.22	FFP
103.03	114.64	11.61	HBS
114.64	117.56	2.92	GBS
117.56	122.37	4.81	CSL
122.37	125.3	2.93	FFP
125.3	164.9	39.6	SKN
164.9	166.23	1.33	DIO
166.23	170.2	3.97	SKN
170.2	189.64	19.44	DIO
189.64	190.38	0.74	HBS
190.38	192.77	2.39	FAP
192.77	196.36	3.59	HBS
196.36	198.96	2.6	SKN
198.96	220.54	21.58	HBS
220.54	221.09	0.55	SKN
221.09	222.86	1.77	HBS
222.86	223.14	0.28	SKN
223.14	227.51	4.37	HBS
227.51	240.76	13.25	FFP
240.76	242.95	2.19	HBS
242.95	263.45	20.5	FFP
263.45	264.02	0.57	AND
264.02	266.61	2.59	FFP
266.61	276.15	9.54	SKN
276.15	287.47	11.32	HBS
287.47	288.95	1.48	FFP

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB	--	Overburden							
						--	--	---	---	--	--	0

1.52	10.01	8.49	FFP	MG	Strongly propylitic altered felsic feldspar porphyritic dyke with up to 1 x 1.5 centimetre feldspar phenocrysts. Minor potassium feldspar veining and chlorite veining with potassium feldspar selvages. Trace disseminated chalcopyrite within chlorite seams.							
						MD	GY	PO	PRO	4I	--	0
10.01	10.39	0.38	HBS	FG	Dark grey to purple to light green hornfels-biotite-schist. Trace disseminated pyrite.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
10.39	13.02	2.63	FFP	CG	Strong propylitic altered feldspar porphyritic dyke. Hosts trace pyrite.							
						MD	GY	XL	PRO	4I	--	0
									OXI	1I		
13.02	20.11	7.09	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor oxide staining within veinlets and on fractures. Minor quartz molybdenite veining up to 1.5 centimetres with 5% molybdenite along selvages.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
20.11	20.32	0.21	SKN	FG	Well foliated/wavy dark green diopside-magnetite skarn hosting disseminated chalcopyrite and pyrite.							
						MD	GN				Py	0.5
						DK	GN	FO	---	--	Cp	0.5
											Mg	3
20.32	22.65	2.33	HBS	FG	Well foliated dark grey-purple to light grey hornfels-biotite-schist. Trace blebby pyrite.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
22.65	23.17	0.52	CSL	FG	Light to medium green, banded calc-silicate hosting 1 millimetre wide massive molybdenite vein cutting bands sub-parallel.							
						MD	GN	BN	OXI	2I	mo	0.1
						LT	GN					
23.17	26.92	3.75	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Quartz sweats define foliation locally.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
26.92	28.91	1.99	SKN	FG	Dark green, massive diopside-magnetite skarn. Chalcopyrite and pyrite seams and blebs up to 0.5x0.5 centimetres. Magnetite found disseminated pervasively throughout interval. Chalcopyrite and pyrite seams are in chlorite veinlets.							
						DK	GN	MA	---	--	Cp	1
											Py	3
											Mg	5
28.91	32.55	3.64	HBS	FG	Strongly oxidized and silicified orange to dark grey-purple to light grey, well foliated hornfels-biotite-schist. About 10 centimetre fault within interval causing oxide staining.							
						LT	GY					
						DK	OR	FO	OXI	3I	--	0
						DK	GY		SIL	3I		
						DK	PU					
32.55	33.10	0.55	FAP	CG	Dark green to grey feldspar porphyry dyke - fresh.							
						DK	GN	PO	---	--	--	0
						DK	GY					
33.10	36.38	3.28	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor felsic dykes (light grey to pink) with trace mafic minerals (chlorite - 1%). Medium grained.							
						LT	GY					
						DK	GY	FO	SIL	2I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
36.38	37.26	0.88	SKN	FG	Well foliated, dark green pyroxene-magnetite skarn. Fine grained magnetite and 5% trace blebby chalcopyrite found associated with epidote patchy alteration. Trace fine grained pyrite as well.							
						DK	GN	FO	EPI	2I	Mg	5
											Cp	0.1
											Py	0.5
37.26	38.35	1.09	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor epidote alteration on fractures.							
						LT	GY					
						DK	GY	FO	EPI	1I	--	0
						DK	PU					
38.35	40.85	2.50	SKN	FG	Dark green massive and well banded diopside-magnetite skarn. Trace blebby and seam hosted chalcopyrite. Minor oxide staining. Weakly to moderately calcareous and chalcopyrite is generally found in chlorite seams.							
						DK	GN	MA	---	--	Cp	0.1
								FO			Mg	10
40.85	45.54	4.69	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Fault zone within it causing moderately oxidization and clay alteration within the fault. 1 centimetre wide quartz vein hosting 50 % molybdenite.							
						LT	GY		CLY	2I		
						DK	GY	FO	OXI	3I	mo	0.01
						DK	OR					
						DK	PU		SIL	3I		
45.54	51.38	5.84	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist.. Intermittent pyroxene-garnet-magnetite skarn, massive diopside-magnetite skarn and well banded diopside-epidote-magnetite skarn. Skarn makes up about 20 % of interval. An approximately 15 cm wide diopside-garnet-magnetite skarn hosts about 1% chalcopyrite blebs. Epidote altered skarn about 20 centimetres wide hosts patchy to blebby chalcopyrite (about 1%). No chalcopyrite in massive diopside-magnetite skarn. Hornfels-biotite schist has oxide staining on fractures.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
						DK	GN					
51.38	52.23	0.85	SKN	FG	Well banded medium green pyroxene-garnet-epidote-magnetite-shear zone. Minor disseminated chalcopyrite and pyrite within bands (usually pyroxene) and within dark green chlorite seams.							
						MD	GN	BN	---	--	Cp	0.5
						DK	PK				Py	1
											Mg	5
52.23	68.03	15.80	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor oxide stained intervals up to 30 centimetres with quartz-carbonate breccia. Minor pyroxene-garnet-epidote-magnetite skarn hosting trace chalcopyrite as blebs and seams. Represents about 5% of interval.							
						LT	GY					
						DK	GY	FO	OXI	2I	Mg	5
						DK	PU					
68.03	73.45	5.42	FFP	CG	Strongly propylitic altered, medium grey, medium to coarse grained feldspar porphyry dyke. Blebby pyrrhotite and pyrite +/- chalcopyrite found disseminated locally over small intervals. Minor dark grey seams/veins up to 0.5 centimetres hosting blebby pyrite and chalcopyrite (3% and 1% respectively). Minor argillic and phyllic alteration around milky grey barren quartz veins. Zones of strong oxide and veining/faulted? With dark grey chocolate brown rusty veins with no visible sulphides. Phyllic alteration defined by pale to apple green sericite +/- white sericite. Minor pyrite within dark green seams, but trace.							
						MD	GY	XL	PRO	4I	--	0
									OXI	2I		
									ARG	1I		
									PHC	1I		
73.45	74.81	1.36	FAP	CG	Dark grey-green quartz-feldspar porphyry dyke.							
						DK	GY	PO	---	--	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.81	103.03	28.22	FFP	CG	Strongly propylitic altered, medium grey, medium to coarse grained feldspar porphyry dyke. Blebby pyrrhotite and pyrite +/- chalcopyrite found disseminated locally over small intervals. Minor dark grey seams/veins up to 0.5 centimetres hosting blebby pyrite and chalcopyrite (3% and 1% respectively). Minor argillic and phyllic alteration around milky grey barren quartz veins. Phyllic alteration defined by pale to apple green sericite +/- white sericite. Minor pyrite within dark green seams, but trace.							
						MD	GY	XL	PRO	4I	--	0
									ARG	1I		
									PHC	1I		
103.03	114.64	11.61	HBS	FG	Dark grey to purple to light grey to green, well foliated hornfels-biotite-schist. Minor medium green calc-silicate bands. Trace light to medium grey quartz veins hosting banded to blebby molybdenite (up to 10%).							
						LT	GY					
						LT	GN					
						DK	GY	FO	---	--	--	0
						DK	PU					
114.64	117.56	2.92	GBS	FG	Dark grey-purple to light grey, well foliated hornfels-garnet-biotite-schist. Garnets up to 1.5 centimetres found as fine grained bands along foliation. Hosts trace fine grained disseminated pyrite and chalcopyrite.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
117.56	122.37	4.81	CSL	FG	Pale green, massive calc-silicate. Minor dark green vitreous serpentine and trace magnetite seams. Moderate calcite veining, with no visible sulphides.							
						LT	GN	MA	---	--	Mg	0.1
122.37	125.30	2.93	FFP	CG	Fresh-looking, medium grey feldspar porphyry dyke with minor calcite seams hosting blebby pyrite and chalcopyrite. Up to 10 % chalcopyrite and 5% pyrite as blebs within these seams. 1-2 millimetre wide vein hosting 10% chalcopyrite within chlorite seam.							
						MD	GY	XL	---	--	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Py	0.1
125.30	131.58	6.28	CSL	FG	Medium grey-green, banded calc-silicate with minor garnets parallel to banding. Minor quartz-molybdenite veins up to 1 cm with 15% molybdenite, 5% chalcopyrite and 5% pyrite. Dark green seams parallel to foliation host pyrite-chalcopyrite (trace chalcopyrite also found disseminated with garnet rich bands). Strongly silicified and clay altered calc-silicate from 128.20-131.58. Minor pale green massive calc-silicate with minor oxide staining and silicified zone with fine grained pyrite (fault).							
						MD	GN	MA	SIL	2I	Py	1
						MD	GY	BN	OXI	2I	Cp	0.5
131.58	138.13	6.55	SKN	FG	Garnet-pyroxene-epidote skarn. Dark pink-green and well banded. Appears to be great host rock, but only minor calcite veinlets hosting up to 3% pyrite and chalcopyrite. Strong silicified quartz-carbonate breccia/fault with strong hematite and oxide alteration. Several comb textures and vugs up to 2 centimetres.							
						MD	GN					
						DK	PK	BN	---	--	--	0
						DK	GN					
138.13	150.65	12.52	CSL	FG	Well banded medium grey to light green to white silicified marble/calc-silicate. Minor hematite-chlroite bands +\- pyrite.							
						MD	GY	BN	---	--	--	0
						LT	GN					
						--	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
150.65	164.90	14.25	SKN	FG	Strong prograde garnet-pyroxene skarn. Well banded to mottled. Trace chalcopyrite and pyrite generally associated with retrograde garnets going to chlorite bands. Moderate calcite-hematite veinlets pervasive at 3 per metre. 1 strong calcite-hematite vein hosting 10% pyrite and 5% chalcopyrite (1 centimetre wide) with chalcopyrite observed as disseminations around the vein. Molybdenite found in quartz veinlets. A 2 centimetre calcite vein hosting 155% pyrite and 30% chalcopyrite cuts garnet-pyroxene skarn. About 60 centimetre interval of pyroxene-garnet-magnetite skarn hosts disseminated chalcopyrite (0.5%). Calcite-hematite vein cuts interval.							
						DK	PK	Mo			Py	0.01
						DK	GN	BN	---	--	Cp	0.01
											mo	0.01
164.90	166.23	1.33	DIO	FG	Propylitic altered diorite. Last 40 centimetres of interval is strongly oxidized and moderately clay altered (fault).							
						LT	GY					
						DK	GN	XL	PRO	5I	--	0
166.23	170.20	3.97	SKN	FG	Pyroxene-chlorite-magnetite skarn (retrograded garnet to chlorite). Minor calcite-epidote-moly veins/veinlets +/- chalcopyrite. Patchy disseminated/blebby pyrite and chalcopyrite within chlorite altered zones of interval. Magnetite is found intermittently as disseminated and minor bands.							
						MD	GN	BN	EPI	1I	Cp	1
						DK	GN	MA			Py	3
						DK	PK				Mg	10
170.20	189.64	19.44	DIO	FG	Dark green to dark grey "salt and pepper" diorite. Strongly propylitic altered. Trace fine grained pyrite found locally. Quartz-carbonate veining up to 20 centimetres hosts molybdenite seams). A dark grey quartz-carbonate breccia hosts 3% pyrite and 0.5% chalcopyrite blebby/disseminated over about 15 centimetres. Strong phyllic alteration halo of 1.5 metres encompasses veined area.							
						DK	GN	XL	PRO	5I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
189.64	190.38	0.74	HBS	FG	Intermittent medium green calc-silicate and well foliated dark grey-purple-light grey hornfels-biotite schist found as a xenolith within the dyke.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
190.38	192.77	2.39	FAP	CG	Dark grey-green quartz-feldspar-porphyry dyke. Xenoliths of propylitic altered granodiorite, which represents about 40% of interval. Chalcopyrite and pyrite disseminated throughout (0.5% and 0.5%).							
						DK	GY	PO	PRO	4I	Cp	0.2
						DK	GN				Py	0.2
192.77	196.36	3.59	HBS	FG	Well foliated, dark grey to purple to light green hornfels-biotite-schist. Zones with strong localized folding defined by irregular tight folds. Intermittent oxide on fractures. Minor zones with sericite alteration.							
						LT	GN					
						DK	PU	FO	SER	1I	--	0
						DK	GY		SIL	2I		
196.36	198.96	2.60	SKN	FG	Actinolite-tremolite skarn. Dark grey-green with radial to needle crystals of actinolite and tremolite. Minor retrograde alteration from actinolite-sericite? No visible mineralization and non magnetite, except for trace magnetite stringers.							
						DK	GY	MA	SER	1I	Mg	0.1
						DK	GN					
198.96	220.54	21.58	HBS	FG	Well foliated, dark grey to purple to light grey-green. Variably oxide and sericite altered ranging from weak to strong. Local garnet found intermittently with top of interval garnets retrograding completely into chlorite, while garnets at bottom of interval are unaltered. Massive molybdenite vein approximately 1 centimetre wide is encompassed by sericite halo. Local fuchsite alteration generally associated with calcite veining and along fractures. Tracer fine grained pyrite with fuchsite. Pyrite found trace and disseminated intermittently generally within more altered hornfels-biotite-schist.							
						LT	GY					
						DK	GY	FO	SER	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		OXI	2I		
220.54	221.09	0.55	SKN	FG	Light to pale green, massive to mottled pyroxene skarn with about 3 centimetres of a massive magnetite band in cent of interval. No visible chalcopyrite or pyrite.							
						LT	GN	MA	---	--	Mg	5
								Mo				
221.09	222.86	1.77	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Moderately fractured and oxidized with fuchsite/sericite alteration.							
						LT	GY					
						DK	GY	FO	SER	2I	--	0
						DK	PU					
222.86	223.14	0.28	SKN	FG	Dark green-black actinolite skarn. Disseminated pyrrhotite and magnetite with magnetite stringers.							
						DK	GN	BN	---	--	Mg	5
						--	BL	MA			Po	2
223.14	227.51	4.37	HBS	FG	Dark grey to purple to light grey, moderately silicified and sericitied hornfels-biotite-schist. Minor calc-silicate-skarn intervals. A 40 centimetre interval of dark green-grey salt and peppered textured skarn with minor foliation and clay altered fractures and seams with trace disseminated molybdenite. Minor disseminated molybdenite in that 40 centimetre interval.							
						LT	GY					
						DK	GY	FO	SER	2I	mo	0.01
						DK	PU					
227.51	240.76	13.25	FFP	CG	Strongly propylitic altered felsic feldspar porphyry dyke. Trace quartz seams (less than 1 millimetre) hosting trace blebby chalcopyrite and magnetite. Chlorite veins with potassium feldspar selvages (minor). Trace chalcopyrite replacing mafic minerals in dyke. Alteration halo is vein into phyllic into argillic moving away from vein. A rhodochrosite vein with moderate molybdenite along its selvages within interval.							
						MD	GY	XL	PRO	5I	--	0
									PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
240.76	242.95	2.19	HBS	FG	Strongly silicified and wavy/sheared between two dykes. (most likely xenolith). Dark grey to green to purple hornfels-biotite-schist. Trace moly seam.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	GN					
						DK	PU					
242.95	263.45	20.50	FFP	CG	Medium grey, porphyritic felsic feldspar porphyry dyke. Feldspar porphyry dyke is medium grained with coarse grained 1 x 1.5 centimetre feldspar phenocrysts that have been weakly altered to potassium feldspar. Chalcopyrite found in dark green seams (trace) and replacing mafic minerals in granodiorite. Phyllic alteration associated with rhodochrosite/quartz veining with moly along selvages (1 millimetre up to 3 centimetre wide).							
						MD	GY	PO	PRO	5I	--	0
263.45	264.02	0.57	AND	FG	Dark grey-green andesite dyke with hematite and chlorite altered grains (medium grained altered crystals in fine grained matrix.							
						DK	GN	---	CHL	2I	--	0
						DK	GY		HEM	2I		
264.02	266.61	2.59	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Trace chalcopyrite rich calcite seams. Fault zone cuts and altered granodiorite at 264.61 to 266.61. Chalcopyrite and molybdenite in quartz-calcite seams (trace).							
						MD	GY	XL	PRO	5I	Cp	0.01
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
266.61	269.44	2.83	SKN	FG	Intermittent massive magnetite-diopside +/- epidote skarn, semi-massive magnetite-serpentine skarn and sheared/foliated pyroxene-chlorite skarn. Chalcopyrite is mostly hosted within semi-massive magnetite-diopside skarn and foliated/sheared skarn. Granodiorite dyke with strong endoskarn cuts LV Zone between 270.00-270.43 m. Endoskarn hosts fracture controlled mineralization with 6 quartz veins up to 1.5 centimetres hosting up to 20 % chalcopyrite. Pale green, chlorite altered skarn with magnetite bands up to 3 centimetres at 10 centimetre intervals. First 1.23 metres of interval is moderately to strongly silicified, oxidized and faulted. Trace chalcopyrite seams pervasive and irregular within chlorite seams.							
						MD	GN	MA	CHL	3I	Cp	0.1
						MD	GN					
						--	BL	BN			Mg	5
269.44	271.37	1.93	SKN	FG	Semi-massive magnetite-diopside (diopside altering to chlorite?) skarn hosting patchy to blebby chalcopyrite as disseminations. Calcite veins also host strong chalcopyrite. Moderate hematite alteration found locally (magnetite altering to hematite). From 270.00-270.43 see strongly endoskarn granodiorite dyke (dark green with relict quartz/altered feldspar clasts) with strong quartz-chalcopyrite veining (6 quartz veins up to 1.5 centimetres with up to 20 % chalcopyrite -C-veins).							
						MD	GN	BN			Mg	30
						DK	GN	MA	HEM	1I	Cp	10
						--	BL					
271.37	273.70	2.33	SKN	FG	Semi-massive magnetite-serpentine skarn hosting banded magnetite that appears to be altered by serpentine? Chalcopyrite is trace disseminated and within calcite veinlets. Soft light grey to vitreous radial and soft mineral within seams (tremolite?)							
						DK	GN	MA	---	--	Cp	0.1
						--	BL	BN			Mg	35

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
273.70	276.15	2.45	SKN	FG	Medium green to black, well foliated/sheared pyroxene-magnetite skarn. Wavy dark grey-green and light grey bands with weak hematite alteration hosts blebby chalcopyrite. Minor calcite veining hosting blebby chalcopyrite. Chlorite altered near end of interval that looks similar to gold rich zone in DDH-11-01.							
						MD	GN	MA	HEM	1I	Cp	3
						--	BL	BN			Mg	20
276.15	287.47	11.32	HBS	FG	Well foliated, dark grey to dark purple to light grey hornfels-biotite-schist. Weakly to moderately oxidized sting near top contact over 3 metres. Molybdenite found within quartz and calcite seams (trace).							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
287.47	288.95	1.48	FFP	CG	Medium grey grained, strongly propylitic altered felsic feldspar porphyry dyke hosting trace disseminated chalcopyrite (altering mafic minerals) and within calcite seams.							
						MD	GY	XL	PRO	4I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB	--	Overburden							
						--	--	---	---	--	--	0

1.52	10.01	8.49	FFP	CG	Strongly propylitic altered felsic feldspar porphyritic dyke with up to 1 x 1.5 centimetre feldspar phenocrysts. Minor potassium feldspar veining and chlorite veining with potassium feldspar selvages. Trace disseminated chalcopyrite within chlorite seams.							
						MD	GY	PO	PRO	4I	--	0
10.01	10.39	0.38	HBS	FG	Dark grey to purple to light green hornfels-biotite-schist. Trace disseminated pyrite.							
						DK	PU					
						DK	GY	FO	---	--	--	0
						LT	GY					
10.39	13.02	2.63	FFP	CG	Strong propylitic altered feldspar porphyritic dyke. Hosts trace pyrite.							
									OXI	1I		
						MD	GY	XL	PRO	4I	--	0
13.02	20.11	7.09	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor oxide staining within veinlets and on fractures. Minor quartz molybdenite veining up to 1.5 centimetres with 5% molybdenite along selvages.							
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	--	0
20.11	20.32	0.21	SKN	FG	Well foliated/wavy dark green diopside-magnetite skarn hosting disseminated chalcopyrite and pyrite.							
											Mg	3
						MD	GN				Py	0.5
						DK	GN	FO	---	--	Cp	0.5
20.32	22.65	2.33	HBS	FG	Well foliated dark grey-purple to light grey hornfels-biotite-schist. Trace blebby pyrite.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
22.65	23.17	0.52	CSL	FG	Light to medium green, banded calc-silicate hosting 1 millimetre wide massive molybdenite vein cutting bands sub-parallel.							
						LT	GN					
						MD	GN	BN	OXI	2I	mo	0.1
23.17	26.92	3.75	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Quartz sweats define foliation locally.							
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
						LT	GY					
26.92	28.91	1.99	SKN	FG	Dark green, massive diopside-magnetite skarn. Chalcopyrite and pyrite seams and blebs up to 0.5x0.5 centimetres. Magnetite found disseminated pervasively throughout interval. Chalcopyrite and pyrite seams are in chlorite veinlets.							
											Mg	5
											Py	3
						DK	GN	MA	---	--	Cp	1
28.91	32.55	3.64	HBS	FG	Strongly oxidized and silicified orange to dark grey-purple to light grey, well foliated hornfels-biotite-schist. About 10 centimetre fault within interval causing oxide staining.							
						DK	GY		SIL	3I		
						LT	GY					
						DK	PU					
						DK	OR	FO	OXI	3I	--	0
32.55	33.10	0.55	FAP	CG	Dark green to grey feldspar porphyry dyke - fresh.							
						DK	GN	PO	---	--	--	0
						DK	GY					
33.10	36.38	3.28	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor felsic dykes (light grey to pink) with trace mafic minerals (chlorite - 1%). Medium grained.							
						DK	PU					
						DK	GY	FO	SIL	2I	--	0
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
36.38	37.26	0.88	SKN	FG	Well foliated, dark green pyroxene-magnetite skarn. Fine grained magnetite and 5% trace blebby chalcopyrite found associated with epidote patchy alteration. Trace fine grained pyrite as well.							
											Py	0.5
						DK	GN	FO	EPI	2I	Mg	5
											Cp	0.1
37.26	38.35	1.09	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor epidote alteration on fractures.							
						LT	GY					
						DK	PU					
						DK	GY	FO	EPI	1I	--	0
38.35	40.85	2.50	SKN	FG	Dark green massive and well banded diopside-magnetite skarn. Trace blebby and seam hosted chalcopyrite. Minor oxide staining. Weakly to moderately calcareous and chalcopyrite is generally found in chlorite seams.							
						DK	GN	MA	---	--	Cp	0.1
								FO			Mg	10
40.85	45.54	4.69	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Fault zone within it causing moderately oxidization and clay alteration within the fault. 1 centimetre wide quartz vein hosting 50 % molybdenite.							
						DK	OR					
						DK	GY	FO	OXI	3I	mo	0.01
						DK	PU		SIL	3I		
						LT	GY		CLY	2I		
45.54	51.38	5.84	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist.. Intermittent pyroxene-garnet-magnetite skarn, massive diopside-magnetite skarn and well banded diopside-epidote-magnetite skarn. Skarn makes up about 20 % of interval. An approximately 15 cm wide diopside-garnet-magnetite skarn hosts about 1% chalcopyrite blebs. Epidote altered skarn about 20 centimetres wide hosts patchy to blebby chalcopyrite (about 1%). No chalcopyrite in massive diopside-magnetite skarn. Hornfels-biotite schist has oxide staining on fractures.							
						DK	PU					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	OXI	2I	--	0
						LT	GY					
51.38	52.23	0.85	SKN	FG	Well banded medium green pyroxene-garnet-epidote-magnetite-shear zone. Minor disseminated chalcopyrite and pyrite within bands (usually pyroxene) and within dark green chlorite seams.							
											Mg	5
						DK	PK				Py	1
						MD	GN	BN	---	--	Cp	0.5
52.23	68.03	15.80	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor oxide stained intervals up to 30 centimetres with quartz-carbonate breccia. Minor pyroxene-garnet-epidote-magnetite skarn hosting trace chalcopyrite as blebs and seams. Represents about 5% of interval.							
						DK	GY	FO	OXI	2I	Mg	5
						DK	PU					
						LT	GY					
68.03	73.45	5.42	FFP	CG	Strongly propylitic altered, medium grey, medium to coarse grained feldspar porphyry dyke. Blebby pyrrhotite and pyrite +/- chalcopyrite found disseminated locally over small intervals. Minor dark grey seams/veins up to 0.5 centimetres hosting blebby pyrite and chalcopyrite (3% and 1% respectively). Minor argillic and phyllic alteration around milky grey barren quartz veins. Zones of strong oxide and veining/faulted? With dark grey chocolate brown rusty veins with no visible sulphides. Phyllic alteration defined by pale to apple green sericite +/- white sericite. Minor pyrite within dark green seams, but trace.							
									OXI	2I		
						MD	GY	XL	PRO	4I	--	0
									ARG	1I		
									PHC	1I		
73.45	74.81	1.36	FAP	CG	Dark grey-green quartz-feldspar porphyry dyke.							
						DK	GN					
						DK	GY	PO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.81	103.03	28.22	FFP	MG	Strongly propylitic altered, medium grey, medium to coarse grained feldspar porphyry dyke. Blebby pyrrhotite and pyrite +/- chalcopyrite found disseminated locally over small intervals. Minor dark grey seams/veins up to 0.5 centimetres hosting blebby pyrite and chalcopyrite (3% and 1% respectively). Minor argillic and phyllic alteration around milky grey barren quartz veins. Phyllic alteration defined by pale to apple green sericite +/- white sericite. Minor pyrite within dark green seams, but trace.							
									ARG	1I		
						MD	GY	XL	PRO	4I	--	0
									PHC	1I		
103.03	114.64	11.61	HBS	FG	Dark grey to purple to light grey to green, well foliated hornfels-biotite-schist. Minor medium green calc-silicate bands. Trace light to medium grey quartz veins hosting banded to blebby molybdenite (up to 10%).							
						LT	GN					
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
114.64	117.56	2.92	GBS	FG	Dark grey-purple to light grey, well foliated hornfels-garnet-biotite-schist. Garnets up to 1.5 centimetres found as fine grained bands along foliation. Hosts trace fine grained disseminated pyrite and chalcopyrite.							
						LT	GY					
						DK	PU					
						DK	GY	FO	---	--	--	0
117.56	122.37	4.81	CSL	FG	Pale green, massive calc-silicate. Minor dark green vitreous serpentine and trace magnetite seams. Moderate calcite veining, with no visible sulphides.							
						LT	GN	MA	---	--	Mg	0.1
122.37	125.30	2.93	FFP	CG	Fresh-looking, medium grey feldspar porphyry dyke with minor calcite seams hosting blebby pyrite and chalcopyrite. Up to 10 % chalcopyrite and 5% pyrite as blebs within these seams. 1-2 millimetre wide vein hosting 10% chalcopyrite within chlorite seam.							
											Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	XL	---	--	Cp	0.1
125.30	164.90	39.60	SKN	FG	Banded calc-silicate, garnet-pyroxene-epidote skarn, banded medium grey to light green to white silicified marble/cacl-silcate, strong prograde garnet-pyroxene skarn. Variable chalcopyrite, pyrite and magnetite found within each rock type.							
						DK	GN	BN	---	--	Cp	0.1
						MD	GN					
						MD	GY	MA			Py	0.1
						LT	GY					
164.90	166.23	1.33	DIO	FG	Propylitic altered diorite. Last 40 centimetres of interval is strongly oxidized and moderately clay altered (fault).							
						LT	GY					
						DK	GN	XL	PRO	5I	--	0
166.23	170.20	3.97	SKN	FG	Pyroxene-chlorite-magnetite skarn (retrograded garnet to chlorite). Minor calcite-epidote-moly veins/veinlets +/- chalcopyrite. Patchy disseminated/blebby pyrite and chalcopyrite within chlorite altered zones of interval. Magnetite is found intermittently as disseminated and minor bands.							
						DK	PK				Mg	10
						DK	GN	MA			Py	3
						MD	GN	BN	EPI	1I	Cp	1
170.20	189.64	19.44	DIO	FG	Dark green to dark grey "salt and pepper" diorite. Strongly propylitic altered. Trace fine grained pyrite found locally. Quartz-carbonate veining up to 20 centimetres hosts molybdenite seams). A dark grey quartz-carbonate breccia hosts 3% pyrite and 0.5% chalcopyrite blebby/disseminated over about 15 centimetres. Strong phyllic alteration halo of 1.5 metres encompasses veined area.							
						DK	GY					
						DK	GN	XL	PRO	5I	--	0
189.64	190.38	0.74	HBS	FG	Intermittent medium green calc-silicate and well foliated dark grey-purple-light grey hornfels-biotite schist found as a xenolith within the dyke.							
						DK	GY	FO	OXI	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
						LT	GY					
190.38	192.77	2.39	FAP	CG	Dark grey-green quartz-feldspar-porphyry dyke. Xenoliths of propylitic altered granodiorite, which represents about 40% of interval. Chalcopyrite and pyrite disseminated throughout (0.5% and 0.5%).							
						DK	GN				Py	0.2
						DK	GY	PO	PRO	4I	Cp	0.2
192.77	196.36	3.59	HBS	FG	Well foliated, dark grey to purple to light green hornfels-biotite-schist. Zones with strong localized folding defined by irregular tight folds. Intermittent oxide on fractures. Minor zones with sericite alteration.							
						LT	GN					
						DK	PU	FO	SER	1I	--	0
						DK	GY		SIL	2I		
196.36	198.96	2.60	SKN	FG	Actinolite-tremolite skarn. Dark grey-green with radial to needle crystals of actinolite and tremolite. Minor retrograde alteration from actinolite-sericite? No visible mineralization and non magnetite, except for trace magnetite stringers.							
						DK	GY	MA	SER	1I	Mg	0.1
						DK	GN					
198.96	220.54	21.58	HBS	FG	Well foliated, dark grey to purple to light grey-green. Variably oxide and sericite altered ranging from weak to strong. Local garnet found intermittently with top of interval garnets retrograding completely into chlorite, while garnets at bottom of interval are unaltered. Massive molybdenite vein approximately 1 centimetre wide is encompassed by sericite halo. Local fuchsite alteration generally associated with calcite veining and along fractures. Tracer fine grained pyrite with fuchsite. Pyrite found trace and disseminated intermittently generally within more altered hornfels-biotite-schist.							
						DK	GY	FO	SER	2I	Py	0.1
						DK	PU		OXI	2I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
220.54	221.09	0.55	SKN	FG	Light to pale green, massive to mottled pyroxene skarn with about 3 centimetres of a massive magnetite band in centre of interval. No visible chalcopyrite or pyrite.							
								Mo				
						LT	GN	MA	---	--	Mg	5
221.09	222.86	1.77	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Moderately fractured and oxidized with fuchsite/sericite alteration.							
						LT	GY					
						DK	GY	FO	SER	2I	--	0
						DK	PU					
222.86	223.14	0.28	SKN	FG	Dark green-black actinolite skarn. Disseminated pyrrhotite and magnetite with magnetite stringers.							
						DK	GN	BN	---	--	Mg	5
						--	BL	MA			Po	2
223.14	227.51	4.37	HBS	FG	Dark grey to purple to light grey, moderately silicified and sericitied hornfels-biotite-schist. Minor calc-silicate-skarn intervals. A 40 centimetre interval of dark green-grey salt and peppered textured skarn with minor foliation and clay altered fractures and seams with trace disseminated molybdenite. Minor disseminated molybdenite in that 40 centimetre interval.							
						LT	GY					
						DK	PU					
						DK	GY	FO	SER	2I	mo	0.01
227.51	240.76	13.25	FFP	CG	Strongly propylitic altered felsic feldspar porphyry dyke. Trace quartz seams (less than 1 millimetre) hosting trace blebby chalcopyrite and magnetite. Chlorite veins with potassium feldspar selvages (minor). Trace chalcopyrite replacing mafic minerals in dyke. Alteration halo is vein into phyllic into argillic moving away from vein. A rhodochrosite vein with moderate molybdenite along its selvages within interval.							
									PHC	1I		
						MD	GY	XL	PRO	5I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
240.76	242.95	2.19	HBS	FG	Strongly silicified and wavy/sheared between two dykes. (most likely xenolith). Dark grey to green to purple hornfels-biotite-schist. Trace moly seam.							
						LT	GY					
						DK	PU					
						DK	GY	FO	SIL	4I	--	0
						DK	GN					
242.95	263.45	20.50	FFP	CG	Medium grey, porphyritic felsic feldspar porphyry dyke. Feldspar porphyry dyke is medium grained with coarse grained 1 x 1.5 centimetre feldspar phenocrysts that have been weakly altered to potassium feldspar. Chalcopyrite found in dark green seams (trace) and replacing mafic minerals in granodiorite. Phyllic alteration associated with rhodochrosite/quartz veining with moly along selvages (1 millimetre up to 3 centimetre wide).							
						MD	GY	PO	PRO	5I	--	0
263.45	264.02	0.57	AND	FG	Dark grey-green andesite dyke with hematite and chlorite altered grains (medium grained altered crystals in fine grained matrix.							
						DK	GY		HEM	2I		
						DK	GN	---	CHL	2I	--	0
264.02	266.61	2.59	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Trace chalcopyrite rich calcite seams. Fault zone cuts and altered granodiorite at 264.61 to 266.61. Chalcopyrite and molybdenite in quartz-calcite seams (trace).							
						MD	GY	XL	PRO	5I	Cp	0.01
						DK	GY					
266.61	276.15	9.54	SKN	FG	Intermittent massive magnetite-diopside +/- epidote skarn, semi-massive magnetite-serpentine skarn and sheared/foliated pyroxene-chlorite skarn. Chalcopyrite is mostly hosted within semi-massive magnetite-diopside skarn and foliated/sheared skarn. Granodiorite dyke with strong endoskarn cuts LV Zone between 270.00-270.43 m. Endoskarn hosts C-veins defined by 6 quartz veins up to 1.5 centimetres hosting up to 20 % chalcopyrite.							
						DK	GN	MA	---	--	Cp	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	BL	FO			Mg	30
						MD	GN	BN				
276.15	287.47	11.32	HBS	FG	Well foliated, dark grey to dark purple to light grey hornfels-biotite-schist. Weakly to moderately oxidized sting near top contact over 3 metres. Molybdenite found within quartz and calcite seams (trace).							
						LT	GY					
						DK	PU					
						DK	GY	FO	OXI	1I	--	0
287.47	288.95	1.48	FFP	CG	Medium grey grained, strongly propylitic altered felsic feldspar porphyry dyke hosting trace disseminated chalcopyrite (altering mafic minerals) and within calcite seams.							
						MD	GY	XL	PRO	4I	Cp	0.01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	4.57	4.57	2.72	60	0.78	17	0R	--	3W	
4.57	6.10	1.53	1.1	72	0.16	10	0R	--	2W	
6.10	9.14	3.04	2.88	95	1.41	46	0R	--	2W	
9.14	12.19	3.05	2.48	81	1.31	43	0R	--	1W	
12.19	15.24	3.05	3.05	100	1.95	64	0R	--	1W	
15.24	18.29	3.05	3.05	100	1.50	49	0R	--	2W	
18.29	21.34	3.05	3.05	100	2.38	78	0R	--	2W	
21.34	24.38	3.04	3.04	100	1.64	54	0R	--	2W	
24.38	27.43	3.05	3.05	100	1.79	59	0R	--	2W	
27.43	30.48	3.05	3.05	100	1.81	59	0R	--	1W	
30.48	33.53	3.05	3.05	100	1.93	63	0R	--	3W	
33.53	36.58	3.05	3.05	100	1.78	58	0R	--	1W	
36.58	39.62	3.04	3.04	100	2.45	81	0R	--	1W	
39.62	42.67	3.05	3.05	100	1.24	41	0R	--	2W	
42.67	45.72	3.05	3.05	100	1.97	65	0R	--	2W	
45.72	48.77	3.05	3.05	100	1.54	50	0R	--	2W	
48.77	51.82	3.05	3.05	100	1.88	62	0R	--	1W	
51.82	54.86	3.04	3.04	100	2.10	69	0R	--	1W	
54.86	57.91	3.05	3.05	100	1.72	56	0R	--	1W	
57.91	60.96	3.05	3.05	100	1.38	45	0R	--	1W	
60.96	64.01	3.05	3.05	100	1.50	49	0R	--	2W	
64.01	67.06	3.05	3.05	100	1.58	52	0R	--	3W	
67.06	70.10	3.04	3.04	100	1.18	39	0R	--	2W	
70.10	73.15	3.05	3.05	100	1.58	52	0R	--	4W	
73.15	76.20	3.05	3.05	100	1.91	63	0R	--	1W	
76.20	79.25	3.05	3.05	100	1.77	58	0R	--	2W	
79.25	82.30	3.05	3.05	100	2.49	82	0R	--	1W	
82.30	84.12	1.82	1.52	84	1.13	62	0R	--	2W	
84.12	87.17	3.05	3.05	100	2.35	77	0R	--	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
87.17	88.39	1.22	1.22	100	0.55	45	0R	--	2W	
88.39	91.44	3.05	2.86	94	1.53	50	0R	--	2W	
91.44	94.18	2.74	2.57	94	1.56	57	0R	--	2W	
94.18	97.23	3.05	3.05	100	1.86	61	0R	--	2W	
97.23	100.28	3.05	3.05	100	1.82	60	0R	--	1W	
100.28	103.33	3.05	3.05	100	1.69	55	0R	--	1W	
103.33	105.77	2.44	2.44	100	2.01	82	0R	--	1W	
105.77	106.68	0.91	0.91	100	0.39	43	0R	--	1W	
106.68	109.73	3.05	3.05	100	2.31	76	0R	--	1W	
109.73	112.78	3.05	3.05	100	2.40	79	0R	--	1W	
112.78	115.82	3.04	3.04	100	2.27	75	0R	--	1W	
115.82	118.87	3.05	3.05	100	2.59	85	0R	--	1W	
118.87	121.92	3.05	3.05	100	2.02	66	0R	--	1W	
121.92	124.97	3.05	3.05	100	2.11	69	0R	--	1W	
124.97	128.02	3.05	3.05	100	2.19	72	0R	--	2W	
128.02	131.04	3.02	2.84	94	1.08	36	1R	--	3W	
131.04	134.11	3.07	3.07	100	1.62	53	0R	--	4W	
134.11	137.16	3.05	3.05	100	2.36	77	0R	--	4W	
137.16	140.21	3.05	3.05	100	1.45	48	0R	--	1W	
140.21	143.26	3.05	3.05	100	2.63	86	0R	--	1W	
143.26	146.30	3.04	3.04	100	2.24	74	0R	--	1W	
146.30	149.35	3.05	3.05	100	2.74	90	0R	--	1W	
149.35	152.40	3.05	3.05	100	2.49	82	1R	--	2W	
152.40	155.45	3.05	3.05	100	2.09	69	1R	--	1W	
155.45	158.50	3.05	3.05	100	2.60	85	0R	--	1W	
158.50	161.54	3.04	3.04	100	2.33	77	0R	--	1W	
161.54	164.59	3.05	3.05	100	2.22	73	0R	--	1W	
164.59	167.64	3.05	2.61	86	0.86	28	2R	--	4W	
167.64	170.69	3.05	3.05	100	2.20	72	1R	--	1W	
170.69	173.74	3.05	3.05	100	2.21	72	0R	--	1W	
173.74	176.78	3.04	3.04	100	2.35	77	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
176.78	179.83	3.05	3.05	100	2.07	68	0R	--	1W	
179.83	182.88	3.05	3.05	100	2.00	66	0R	--	1W	
182.88	185.62	2.74	2.74	100	2.03	74	0R	--	2W	
185.62	188.06	2.44	2.23	91	1.81	74	0R	--	1W	
188.06	191.11	3.05	3.05	100	2.38	78	0R	--	1W	
191.11	192.02	0.91	0.91	100	0.72	79	0R	--	1W	
192.02	195.07	3.05	3.05	100	1.54	50	0R	--	1W	
195.07	198.12	3.05	3.05	100	2.17	71	0R	--	1W	
198.12	201.17	3.05	3.05	100	1.69	55	0R	--	1W	
201.17	203.00	1.83	1.83	100	1.13	62	1R	--	2W	
203.00	204.22	1.22	1.22	100	0.48	39	0R	--	1W	
204.22	207.26	3.04	3.04	100	2.20	72	0R	--	2W	
207.26	210.31	3.05	3.05	100	2.75	90	0R	--	3W	
210.31	213.36	3.05	3.05	100	2.75	90	1R	--	2W	
213.36	216.40	3.04	3.04	100	2.37	78	0R	--	1W	
216.40	219.45	3.05	3.05	100	2.32	76	1R	--	1W	
219.45	222.50	3.05	3.05	100	2.23	73	0R	--	1W	
222.50	225.55	3.05	3.05	100	2.05	67	0R	--	--	
225.55	228.60	3.05	3.05	100	2.09	69	1R	--	2W	
228.60	231.64	3.04	3.04	100	2.27	75	0R	--	2W	
231.64	234.69	3.05	3.05	100	1.44	47	0R	--	1W	
234.69	237.74	3.05	3.05	100	2.40	79	0R	--	--	
237.74	240.79	3.05	3.05	100	1.96	64	0R	--	2W	
240.79	243.84	3.05	3.05	100	1.37	45	1R	--	1W	
243.84	246.88	3.04	3.04	100	2.20	72	1R	--	2W	
246.88	249.93	3.05	3.05	100	0.82	27	0R	--	--	
249.93	252.98	3.05	3.05	100	2.20	72	0R	--	--	
252.98	254.20	1.22	1.22	100	0.57	47	0R	--	--	
254.20	256.03	1.83	1.83	100	1.28	70	0R	--	--	
256.03	259.08	3.05	3.05	100	1.82	60	0R	--	--	
259.08	261.82	2.74	2.74	100	2.53	92	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
261.82	264.87	3.05	3.05	100	2.73	90	0R	--	3W	
264.87	267.91	3.04	3.04	100	1.76	58	1R	--	3W	
267.91	269.44	1.53	1.53	100	0.23	15	0R	--	4W	
269.44	271.27	1.83	1.83	100	1.49	81	0R	--	2W	
271.27	274.32	3.05	2.9	95	2.50	82	1R	--	1W	
274.32	277.36	3.04	3.04	100	2.40	79	0R	--	3W	
277.36	280.41	3.05	3.05	100	1.59	52	1R	--	3W	
280.41	283.46	3.05	2.85	93	2.05	67	2R	--	1W	
283.46	286.51	3.05	3.05	100	2.36	77	0R	--	1W	
286.51	288.95	2.44	2.44	100	1.95	80	0R	--	1W	

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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	R500350		15-010	O and B		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500426		15-012	orangy	ME-16			
0.00	0.00	0.00	-QC-	0.00	0	R500421		15-012	orangy		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500418		15-012	orangy		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500415		15-012	orangy	ME-15			
0.00	0.00	0.00	-QC-	0.00	0	R500393		15-011	pink and g	ME-15			
0.00	0.00	0.00	-QC-	0.00	0	R500377		15-011	pink and g		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500291		15-009	b and w		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500363		15-011	pink and g	ME-16			
0.00	0.00	0.00	-QC-	0.00	0	R500346		15-010	O and B		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500341		15-010	O and B	ME-15			
0.00	0.00	0.00	-QC-	0.00	0	R500330		15-010	O and B	ME-16			
0.00	0.00	0.00	-QC-	0.00	0	R500320		15-009	b and w		✓		
0.00	0.00	0.00	-QC-	0.00	0	R500313		15-009	b and w	ME-15			
0.00	0.00	0.00	-QC-	0.00	0	R500297		15-009	b and w	ME-16			
0.00	0.00	0.00	-QC-	0.00	0	R500367		15-011	pink and g		✓		
10.39	13.02	2.63	FFP, HBS	2.63	100	R500288		15-008	Pinky				
13.02	15.00	1.98	FFP, HBS	1.98	100	R500289		15-009	b and w				
15.00	16.00	1.00	HBS	1.00	100	R500290		15-009	b and w				

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
16.00	19.00	3.00	HBS	3.00	100	R500292	☐	15-009	b and w		☐	☐	☐
19.00	21.00	2.00	HBS	2.00	100	R500293	☐	15-009	b and w		☐	☐	☐
19.00	21.00	2.00	HBS	2.00	100	R500294	☐	15-009	b and w		☐	☐	☑
21.00	24.00	3.00	HBS	3.00	100	R500295	☐	15-009	b and w		☐	☐	☐
24.00	26.92	2.92	HBS	2.92	100	R500296	☐	15-009	b and w		☐	☐	☐
26.92	28.91	1.99	SKN, HBS	1.99	100	R500298	☐	15-009	b and w		☐	☐	☐
28.91	30.60	1.69	HBS, SKN	1.69	100	R500299	☐	15-009	b and w		☐	☐	☐
30.60	32.55	1.95	HBS	1.95	100	R500300	☐	15-009	b and w		☐	☐	☐
32.55	35.29	2.74	HBS, FAP	2.74	100	R500301	☐	15-009	b and w		☐	☐	☐
35.29	36.38	1.09	HBS	1.09	100	R500302	☐	15-009	b and w		☐	☐	☐
36.38	38.35	1.97	HBS, SKN	1.90	96	R500303	☐	15-009	b and w		☐	☐	☐
38.35	40.85	2.50	HBS, SKN	2.50	100	R500304	☐	15-009	b and w		☐	☐	☐
40.85	43.85	3.00	SKN, HBS	3.00	100	R500305	☐	15-009	b and w		☐	☐	☐
43.85	46.85	3.00	HBS	3.00	100	R500306	☐	15-009	b and w		☐	☐	☐
43.85	46.85	3.00	HBS	3.00	100	R500307	☐	15-009	b and w		☐	☑	☐
46.85	49.85	3.00	HBS	3.00	100	R500308	☐	15-009	b and w		☐	☐	☐
49.85	51.38	1.53	HBS	1.53	100	R500309	☐	15-009	b and w		☐	☐	☐
51.38	52.38	1.00	HBS, SKN	1.00	100	R500310	☐	15-009	b and w		☐	☐	☐
52.38	55.38	3.00	HBS	3.00	100	R500311	☐	15-009	b and w		☐	☐	☐

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
55.38	58.38	3.00	HBS	3.00	100	R500312	☐	15-009	b and w		☐	☐	☐
58.38	61.38	3.00	HBS	3.00	100	R500314	☐	15-009	b and w		☐	☐	☐
61.38	64.38	3.00	HBS	3.00	100	R500315	☐	15-009	b and w		☐	☐	☐
64.38	66.00	1.62	HBS	1.62	100	R500316	☐	15-009	b and w		☐	☐	☐
66.00	68.03	2.03	HBS	2.03	100	R500317	☐	15-009	b and w		☐	☐	☐
68.03	70.82	2.79	HBS, FFP	2.79	100	R500318	☐	15-009	b and w		☐	☐	☐
70.82	72.56	1.74	FFP	1.74	100	R500319	☐	15-009	b and w		☐	☐	☐
72.56	73.56	1.00	FFP	1.00	100	R500321	☐	15-009	b and w		☐	☐	☐
73.56	76.56	3.00	FAP	3.00	100	R500322	☐	15-009	b and w		☐	☐	☐
76.56	79.56	3.00	FFP	3.00	100	R500323	☐	15-009	b and w		☐	☐	☐
79.56	82.56	3.00	FFP	3.00	100	R500324	☐	15-009	b and w		☐	☐	☐
82.56	85.56	3.00	FFP	3.00	100	R500325	☐	15-010	O and B		☐	☐	☐
85.56	88.56	3.00	FFP	3.00	100	R500326	☐	15-010	O and B		☐	☐	☐
88.56	91.56	3.00	FFP	3.00	100	R500327	☐	15-010	O and B		☐	☐	☐
91.56	94.56	3.00	FFP	3.00	100	R500328	☐	15-010	O and B		☐	☐	☐
94.56	97.55	2.99	FFP	2.99	100	R500329	☐	15-010	O and B		☐	☐	☐
97.55	100.28	2.73	FFP	2.73	100	R500331	☐	15-010	O and B		☐	☐	☐
100.28	103.30	3.02	FFP	3.02	100	R500332	☐	15-010	O and B		☐	☐	☐
103.30	106.30	3.00	HBS	3.00	100	R500333	☐	15-010	O and B		☐	☐	☐

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
106.30	109.30	3.00	HBS	3.00	100	R500334	☐	15-010	O and B		☐	☐	☐
106.30	109.30	3.00	HBS	3.00	100	R500335	☐	15-010	O and B		☐	☐	☑
109.30	112.30	3.00	HBS	3.00	100	R500336	☐	15-010	O and B		☐	☐	☐
112.30	114.64	2.34	HBS	2.34	100	R500337	☐	15-010	O and B		☐	☐	☐
114.64	117.56	2.92	HBS, GBS	2.92	100	R500338	☐	15-010	O and B		☐	☐	☐
117.56	120.00	2.44	GBS, CSL	2.44	100	R500339	☐	15-010	O and B		☐	☐	☐
120.00	122.37	2.37	CSL	2.37	100	R500340	☐	15-010	O and B		☐	☐	☐
122.37	125.30	2.93	FFP, CSL	2.93	100	R500342	☐	15-010	O and B		☐	☐	☐
125.30	128.29	2.99	FFP, SKN	2.99	100	R500343	☐	15-010	O and B		☐	☐	☐
128.29	130.01	1.72	SKN	1.60	93	R500344	☐	15-010	O and B		☐	☐	☐
130.01	131.58	1.57	SKN	1.54	98	R500345	☐	15-010	O and B		☐	☐	☐
131.58	134.00	2.42	SKN	2.42	100	R500347	☐	15-010	O and B		☐	☐	☐
134.00	135.56	1.56	SKN	1.56	100	R500348	☐	15-010	O and B		☐	☐	☐
135.56	138.13	2.57	SKN	2.57	100	R500349	☐	15-010	O and B		☐	☐	☐
138.13	141.13	3.00	SKN	3.00	100	R500351	☐	15-010	O and B		☐	☐	☐
141.13	144.13	3.00	SKN	3.00	100	R500352	☐	15-010	O and B		☐	☐	☐
141.13	144.13	3.00	SKN	3.00	100	R500353	☐	15-010	O and B		☐	☑	☐
144.13	147.13	3.00	SKN	3.00	100	R500354	☐	15-010	O and B		☐	☐	☐
147.13	150.65	3.52	SKN	3.52	100	R500355	☐	15-010	O and B		☐	☐	☐

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
150.65	153.00	2.35	SKN	2.35	100	R500356	☐	15-010	O and B		☐	☐	☐
153.00	154.00	1.00	SKN	1.00	100	R500357	☐	15-010	O and B		☐	☐	☐
154.00	157.00	3.00	SKN	3.00	100	R500358	☐	15-010	O and B		☐	☐	☐
157.00	160.00	3.00	SKN	3.00	100	R500359	☐	15-010	O and B		☐	☐	☐
160.00	161.10	1.10	SKN	1.10	100	R500360	☐	15-010	O and B		☐	☐	☐
161.10	163.00	1.90	SKN	1.90	100	R500361	☐	15-011	pink and g		☐	☐	☐
163.00	164.90	1.90	SKN	1.90	100	R500362	☐	15-011	pink and g		☐	☐	☐
164.90	166.23	1.33	SKN, DIO	1.12	84	R500364	☐	15-011	pink and g		☐	☐	☐
166.23	167.25	1.02	DIO, SKN	0.82	80	R500365	☐	15-011	pink and g		☐	☐	☐
167.25	170.20	2.95	SKN	2.95	100	R500366	☐	15-011	pink and g		☐	☐	☐
170.20	172.36	2.16	DIO, SKN	2.10	97	R500368	☐	15-011	pink and g		☐	☐	☐
172.36	173.68	1.32	DIO	1.32	100	R500369	☐	15-011	pink and g		☐	☐	☐
172.36	173.68	1.32	DIO	1.32	100	R500370	☐	15-011	pink and g		☐	☐	☑
173.68	176.68	3.00	DIO	3.00	100	R500371	☐	15-011	pink and g		☐	☐	☐
176.68	179.68	3.00	DIO	3.00	100	R500372	☐	15-011	pink and g		☐	☐	☐
176.68	179.68	3.00	DIO	3.00	100	R500373	☐	15-011	pink and g		☐	☑	☐
179.68	182.68	3.00	DIO	3.00	100	R500374	☐	15-011	pink and g		☐	☐	☐
182.68	184.80	2.12	DIO	2.12	100	R500375	☐	15-011	pink and g		☐	☐	☐
184.80	186.76	1.96	DIO	1.75	89	R500376	☐	15-011	pink and g		☐	☐	☐

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
186.76	189.64	2.88	DIO	2.88	100	R500378		15-011	pink and g				
189.64	190.90	1.26	HBS, DIO	1.26	100	R500379		15-011	pink and g				
190.90	192.77	1.87	FAP	1.87	100	R500380		15-011	pink and g				
192.77	194.02	1.25	FAP, HBS	1.25	100	R500381		15-011	pink and g				
194.02	196.36	2.34	HBS	2.34	100	R500382		15-011	pink and g				
196.36	198.96	2.60	SKN, HBS	2.60	100	R500383		15-011	pink and g				
198.96	201.96	3.00	HBS, SKN	3.00	100	R500384		15-011	pink and g				
201.96	204.96	3.00	HBS	3.00	100	R500385		15-011	pink and g				
204.96	207.96	3.00	HBS	3.00	100	R500386		15-011	pink and g				
207.96	210.96	3.00	HBS	3.00	100	R500387		15-011	pink and g				
210.96	213.96	3.00	HBS	3.00	100	R500388		15-011	pink and g				
213.96	216.96	3.00	HBS	3.00	100	R500389		15-011	pink and g				
216.96	218.34	1.38	HBS	1.38	100	R500390		15-011	pink and g				
218.34	219.34	1.00	HBS	1.00	100	R500391		15-011	pink and g				
219.34	221.09	1.75	HBS	1.75	100	R500392		15-011	pink and g				
221.09	224.02	2.93	SKN, HBS	2.93	100	R500394		15-011	pink and g				
224.02	225.46	1.44	HBS	1.44	100	R500395		15-011	pink and g				
225.46	227.51	2.05	HBS	2.00	98	R500396		15-011	pink and g				
227.51	229.29	1.78	FFP, HBS	1.78	100	R500397		15-012	orangy				

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
229.29	231.64	2.35	FFP	2.35	100	R500398	☐	15-012	orangy		☐	☐	☐
231.64	232.72	1.08	FFP	1.08	100	R500399	☐	15-012	orangy		☐	☐	☐
232.72	235.72	3.00	FFP	3.00	100	R500400	☐	15-012	orangy		☐	☐	☐
235.72	238.72	3.00	FFP	3.00	100	R500401	☐	15-012	orangy		☐	☐	☐
235.72	238.72	3.00	FFP	3.00	100	R500402	☐	15-012	orangy		☐	☐	☑
238.72	240.76	2.04	FFP	2.04	100	R500403	☐	15-012	orangy		☐	☐	☐
240.76	242.95	2.19	FFP, HBS	2.19	100	R500404	☐	15-012	orangy		☐	☐	☐
242.95	245.95	3.00	HBS, FFP	3.00	100	R500405	☐	15-012	orangy		☐	☐	☐
245.95	248.95	3.00	FFP	3.00	100	R500406	☐	15-012	orangy		☐	☐	☐
248.95	251.95	3.00	FFP	3.00	100	R500407	☐	15-012	orangy		☐	☐	☐
248.95	251.95	3.00	FFP	3.00	100	R500408	☐	15-012	orangy		☐	☑	☐
251.95	254.95	3.00	FFP	3.00	100	R500409	☐	15-012	orangy		☐	☐	☐
254.95	257.95	3.00	FFP	3.00	100	R500410	☐	15-012	orangy		☐	☐	☐
257.95	260.95	3.00	FFP	3.00	100	R500411	☐	15-012	orangy		☐	☐	☐
260.95	263.45	2.50	FFP	2.50	100	R500412	☐	15-012	orangy		☐	☐	☐
263.45	264.61	1.16	FFP, AND	1.16	100	R500413	☐	15-012	orangy		☐	☐	☐
264.61	266.61	2.00	FFP	2.00	100	R500414	☐	15-012	orangy		☐	☐	☐
266.61	269.44	2.83	FFP, SKN	2.23	79	R500416	☐	15-012	orangy		☐	☐	☐
269.44	271.37	1.93	SKN	1.93	100	R500417	☐	15-012	orangy		☐	☐	☐
271.37	273.70	2.33	SKN	2.33	100	R500419	☐	15-012	orangy		☐	☐	☐
273.70	276.15	2.45	SKN	2.45	100	R500420	☐	15-012	orangy		☐	☐	☐
276.15	279.15	3.00	SKN, HBS	3.00	100	R500422	☐	15-012	orangy		☐	☐	☐
279.15	282.15	3.00	HBS	2.90	97	R500423	☐	15-012	orangy		☐	☐	☐
282.15	285.15	3.00	HBS	2.90	97	R500424	☐	15-012	orangy		☐	☐	☐
285.15	287.47	2.32	HBS	2.32	100	R500425	☐	15-012	orangy		☐	☐	☐

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
287.47	288.95	1.48	HBS, FFP	1.48	100	R500427	☐	15-012	orangy		☐	☐	☐

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397215	6795661	1283	501.7

ZONE: Hopper

SECTION:

HOLE: HOP-15-004

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 3.05m, Out

Drilling Dates: Jul 05 - Jul 13, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
13.71	264.1	-60.4	Ranger
498.34	281.7	-58.4	Ranger

TARGET: JG

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	3.05	3.05	OVB
3.05	4.2	1.15	HBS
4.2	4.62	0.42	SKN
4.62	20.8	16.18	HBS
20.8	22.94	2.14	CSL
22.94	33.04	10.1	HBS
33.04	48.14	15.1	SKN
48.14	74	25.86	HBS
74	75.58	1.58	SKN
75.58	88.79	13.21	FFP
88.79	94.17	5.38	AND
94.17	131.14	36.97	FFP
131.14	132.11	0.97	HBS
132.11	132.75	0.64	FFP
132.75	141.73	8.98	HBS
141.73	142.31	0.58	SKN

SAMPLES	
Numbers:	R500428 to R500500, R608201 to R608382
Total:	255
Batch:	012, 013, 014, 015, 016, 017, 018, 019
Certificates:	WH15103727, WH15103729, WH15103730, WH15103734, WH15104895, WH15104896, WH15107971

COMMENTS

142.31	148.02	5.71	HBS
148.02	159.06	11.04	FFP
159.06	165.01	5.95	HBS
165.01	169.9	4.89	SKN
169.9	175.04	5.14	QBS
175.04	175.78	0.74	SKN
175.78	176.46	0.68	QBS
176.46	177.29	0.83	FFP
177.29	179.51	2.22	HBS
179.51	180.65	1.14	SKN
180.65	188.98	8.33	SKN
188.98	192.26	3.28	FFP
192.26	192.93	0.67	QBS
192.93	195.34	2.41	FFP
195.34	196.97	1.63	QBS
196.97	210.4	13.43	SKN
210.4	222.11	11.71	HBS
222.11	222.74	0.63	FFP
222.74	228.22	5.48	HBS
228.22	235.3	7.08	FFP
235.3	238.06	2.76	QBS
238.06	243.63	5.57	SKN
243.63	251.92	8.29	FFP
251.92	253.16	1.24	AND
253.16	256.08	2.92	FFP
256.08	258.19	2.11	AND
258.19	264.87	6.68	QBS
264.87	266.9	2.03	FAP
266.9	267.34	0.44	QBS
267.34	272.74	5.4	GRD
272.74	301.43	28.69	QBS
301.43	307.6	6.17	GRD

307.6	319.24	11.64	HBS
319.24	320.63	1.39	AND
320.63	323.72	3.09	QBS
323.72	325.24	1.52	FFP
325.24	331.86	6.62	HBS
331.86	333.84	1.98	SKN
333.84	335	1.16	HBS
335	349.73	14.73	FFP
349.73	350.43	0.7	AND
350.43	351.56	1.13	FFP
351.56	352.02	0.46	AND
352.02	353.1	1.08	QBS
353.1	370.42	17.32	HBS
370.42	370.72	0.3	GRD
370.72	370.76	0.04	HBS
370.76	371.1	0.34	GRD
371.1	378.56	7.46	HBS
378.56	385.2	6.64	DAC
385.2	397.53	12.33	GRD
397.53	403.3	5.77	HBS
403.3	404.03	0.73	SKN
404.03	405.2	1.17	QBS
405.2	409.39	4.19	FFP
409.39	410.37	0.98	HBS
410.37	411.35	0.98	SKN
411.35	413.56	2.21	HBS
413.56	419.15	5.59	GRD
419.15	420.62	1.47	AND
420.62	420.98	0.36	HBS
420.98	421.3	0.32	GRD
421.3	426.41	5.11	HBS
426.41	429.43	3.02	SKN

429.43	432	2.57	HBS
432	435.96	3.96	GRD
435.96	437.8	1.84	HBS
437.8	439.14	1.34	GRD
439.14	443.4	4.26	HBS
443.4	448.96	5.56	FFP
448.96	451.27	2.31	QBS
451.27	454	2.73	FAP
454	455	1	HBS
455	457.5	2.5	FAP
457.5	460.23	2.73	HBS
460.23	462.67	2.44	GRD
462.67	466.01	3.34	HBS
466.01	466.58	0.57	FAP
466.58	467.24	0.66	QBS
467.24	467.55	0.31	FAP
467.55	469.25	1.7	HBS
469.25	471.84	2.59	GRD
471.84	475.25	3.41	HBS
475.25	477.46	2.21	GRD
477.46	480.51	3.05	HBS
480.51	482.6	2.09	GRD
482.6	487.98	5.38	HBS
487.98	494.14	6.16	FFP
494.14	499.92	5.78	HBS
499.92	501.7	1.78	FAP

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	3.05	3.05	OVB	--	Overburden							
						--	--	---	---	--	--	0

3.05	4.20	1.15	HBS	FG	Well foliated, moderately to strongly oxidized hornfels-biotite-schist.							
						LT	GY					
						DK	GY	FO	OXI	3I	--	0
						DK	PU					
4.20	4.62	0.42	SKN	FG	Medium green, blocky, moderately to strongly oxidized massive skarn. No visible mineralization.							
						MD	GN	MA	OXI	3I	--	0
4.62	20.80	16.18	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Strong fault zones found intermittently and make up about 70 percent of interval. Strongly oxidized/block and clay altered intermittently							
						LT	GY					
						DK	GY	FO	OXI	5I	--	0
						DK	OR					
						DK	PU		SIL	3I		
20.80	22.94	2.14	CSL	FG	Fine grained, medium green calc-silicate with trace molybdenite seams cutting core sub-parallel to foliation at 80 degrees to core axis.							
						MD	GN	FO	---	--	mo	0.01
						LT	GY	MA				
22.94	33.04	10.10	HBS	FG	Dark grey-purple to light grey well foliated and moderately oxidized/silicified hornfels-biotite-schist. Strongly oxidized calcite veinlets/seams pervasive throughout.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
33.04	33.40	0.36	SKN	FG	Magnetite-diopside skarn with leopard-like alteration. Different than LV target in HOP-DDH-15-01.							
								Mo	OXI	2I	Mg	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
33.40	39.09	5.69	CSL	FG	Strongly silicified and oxidized calc-silicate. Relict foliation appears to be of mostly calc-silicate with minor hornfels-biotite-schist. Strongly fractured, with minor clay alteration along them. Grades into JG mineralized skarn. Intermittent banded pyroxene and light grey skarn within strongly oxide altered zones.							
						LT	GY	BN	OXI	4I	--	0
								FO	SIL	4I		
39.09	43.23	4.14	SKN	FG	Dark green to medium green, magnetite-diopside skarn. Local bands of semi-massive magnetite up to 10 centimetres. Medium to light green intervals of chlorite alteration with black pock marks. Malachite on fractures and moderate magnetite irregularly throughout. Strong malachite stain on fractures and within a zone of clay altered chlorite skarn. Black pock marks limited to chlorite altered skarn/sheared skarn - represents approximately 82 centimetres of interval. Last 30 centimetres of interval is bleached and very strongly magnetite with disseminated and magnetite stringers (about 15%). Two semi-massive chalcopyrite (2 and 3 centimetres wide) hosts about 20% chalcopyrite.							
						DK	GN	BN	CHL	2I	Cp	0.5
						DK	GY		HEM	2I	Mg	10
43.23	45.72	2.49	SKN	FG	Massive magnetite skarn. Magnetite replaces everything except minor pale yellow serpentine? Found on bands and within magnetite (represents about 20% of interval). No visible sulphides other than magnetite.							
						LT	YW					
						--	BL	MA	---	--	Mg	80
45.72	48.14	2.42	SKN	FG	Banded diopside-magnetite+/-epidote skarn. Strong malachite on fractures and within rubble. Interval is very rubbly and blocky.							
						DK	GN	BN	CLY	2I	Cp	0.5
						--	BL				Mg	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.14	74.00	25.86	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. About 1 metre of fault within zone defined by clay alteration, rubbly and very strong oxide alteration (58.4-59.4 m). Intervals with very strong vilification where host rock is unrecognizable as it is medium to light grey with minor relict foliation/banding. About 1.5 metre interval of hornfels-biotite-schist with local garnets hosting weak disseminated pyrite. Minor chlorite seams cut hornfels-biotite-schist and some host trace chalcopyrite and pyrite.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	PU		OXI	3I		
74.00	75.58	1.58	SKN	FG	Diopside-garnet-magnetite skarn. Medium green to dark green, banded to mottled. Bottom contact with granodiorite see garnet being altered into chlorite. Minor chlorite-ankerite-magnetite seams cutting foliation. Chalcopyrite generally found in seams and within chlorite altered areas as blebs/disseminations. Fractures have minor oxide staining.							
						MD	GN	Mo			Py	0.5
						DK	GN	BN	OXI	1I	Cp	0.5
						DK	PK				Mg	5
						--	BL					
75.58	88.79	13.21	FFP	CG	Medium grey, intermittently oxidized and silicified felsic feldspar porphyry dyke. Faults represent about 25% of interval and range from 20 centimetres to over 1 metre. Phyllic alteration is found as halos around these faults. Chalcopyrite and pyrite is found within seams (chlorite) and disseminated replacing mafic minerals in the dyke. Molybdenite is observed in quartz veins and as clots within strongly oxidized porphyry dyke and areas with strong calcite veining. 1 x 1.5 centimetres feldspar phenocrysts show minor potassium feldspar alteration.							
						MD	GY	PO	PRO	4I	--	0
									PHC	2I		
									OXI	3I		
									SIL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.79	94.17	5.38	AND	FG	Dark green to light green andesite dyke. Moderately phyllic altered. On the flanks of a strongly oxidized and silicified fault with strong stockwork-like breccia.							
						LT	GN		OXI	3I		
						DK	GN	MA	PHC	3I	--	0
									SIL	3I		
94.17	131.14	36.97	FFP	CG	Medium grey, intermittently oxidized and silicified felsic feldspar porphyry dyke. Minor chalcopyrite and pyrite is found within seams (chlorite) and disseminated replacing mafic minerals in the dyke. Molybdenite is observed in quartz veins and as clots (0.5 x 0.5 centimetres). 1 x 1.5 centimetres feldspar phenocrysts show minor potassium feldspar alteration.							
						MD	GY	PO	PRO	4I	mo	0.1
									PHC	2I		
									OXI	3I		
									SIL	3I		
131.14	132.11	0.97	HBS	FG	Well foliated, moderately silicified, medium dark green, medium grey hornfels-biotite-schist xenolith.							
						MD	GN					
						MD	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	GN					
132.11	132.75	0.64	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Trace chalcopyrite and molybdenite within chlorite/quartz seams.							
						MD	GY	PO	PRO	4I	--	0
132.75	141.73	8.98	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Local garnets have been retrograde altered into chlorite. Trace chlorite-quartz veins hosting blebby molybdenite, especially at intersections of two veins.							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
141.73	142.31	0.58	SKN	FG	Actinolite-tremolite-magnetite skarn. Tremolite-actinolite going to chlorite? Trace chalcopyrite and molybdenite associated with large patch of magnetite (5 x 5 centimetres).							
						MD	GN	MA	---	--	Mg	2
						MD	GY				Cp	0.1
											mo	0.01
142.31	148.02	5.71	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Weakly oxidized intermittently. Strongly oxidized fault zone from 147.00-148.02 metres. Intermittent sericite alteration around veins within hornfels-biotite-schist.							
						LT	GY					
						DK	GY	FO	OXI	3I	--	0
						DK	PU					
148.02	159.06	11.04	FFP	MG	Medium grey, strongly propylitic altered, moderately to strongly oxidized felsic feldspar porphyry dyke. 151.48-153.71 m is a fault - strongly oxidized, gougy/clay altered. Appears argillic.							
						MD	GY	XL	OXI	3I	--	0
									PRO	4I		
159.06	165.01	5.95	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Approximately 40 centimetres of strong sericite alteration at contact with granodiorite and small 10 centimetre intervals in center. No visible mineralization.							
						LT	GY					
						DK	GY	FO	SER	2I	--	0
						DK	PU		OXI	1I		
165.01	169.90	4.89	SKN	FG	Diopside-actinolite skarn. Dark to medium green, massive with weak to moderate chlorite alteration. Trace disseminated chalcopyrite. Hornfels-biotite-schist found within interval and represents about 1.8 metres of the interval intermittently.							
						DK	GY	MA				
						DK	GN	FO	CHL	2I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
169.90	175.04	5.14	QBS	FG	Strongly chlorite altered, dark green to grey biotite-schist. Trace pyrite disseminated. Minor quartz veining. Minor intervals of dark grey-purple to light grey, well foliated hornfels-biotite-schist.							
						DK	GN	FO	CHL	4I	Py	0.01
						DK	GY					
						DK	PU					
175.04	175.78	0.74	SKN	FG	Banded light to medium green pyroxene-chlorite-garnet skarn with trace azurite? In weakly clay altered zone.							
						MD	GN					
						DK	GN	BN	CHL	2I	--	0
						DK	PU					
175.78	176.46	0.68	QBS	FG	Strongly chlorite altered, dark green to grey biotite-schist. Trace pyrite disseminated. Minor quartz veining. Minor intervals of dark grey-purple to light grey, well foliated hornfels-biotite-schist.							
						DK	GN	FO	CHL	4I	--	0
						DK	GY					
						DK	PU					
176.46	177.29	0.83	FFP	CG	Strongly propylitic altered, medium grey, weakly foliated felsic feldspar porphyry dyke. Trace white-tan sericite alteration.							
						MD	GY	FO	PRO	5I	--	0
									SER	2I		
177.29	179.51	2.22	HBS	FG	Strongly silicified, weakly sericitized, dark grey-purple to light grey, well foliated hornfels-biotite-schist. Weakly oxidized.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	PU		SER	2I		
179.51	180.65	1.14	SKN	FG	Tremolite-actinolite skarn. Medium to light grey-green, massive to weakly foliated. Non-magnetic and no visible mineralization.							
						MD	GY	MA	---	--	--	0
						LT	GY	FO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
180.65	188.98	8.33	SKN	FG	Diopside-actinolite skarn, banded diopside-magnetite skarn (banded), banded pyroxene-chlorite-garnet-magnetite skarn. From about 1587-187.90 see bleached pyroxene-garnet-epidote skarn with strong quartz-chlorite veining at 15 per metre. Trace pyrite, chalcopyrite and molybdenite in seams. Chalcopyrite found with banded diopside-magnetite skarn and banded pyroxene-chlorite-garnet-magnetite skarn as disseminated/blebby (1%) with pyrite (1%). This makes up 1.82 m of interval. 2.5 centimetre wide quartz-vein hosting blebby molybdenite (up to 0.5 x 0.5 centimetre blebs - 5% total molybdenite in vein) within diopside-actinolite skarn. Last 1.2 metres of interval is strongly oxidized and moderately clay altered with relict skarn. Hosts up to 0.5 centimetre goethite crystals and low angle dark red/orange veins up to 1 centimetre wide. Garnet crystals near end of interval are altered to chlorite (retrograde altered).							
						MD	GN		OXI	3I	Mg	2
						DK	GN	BN	CHL	2I	Py	1
						--	BL				Cp	0.1
188.98	192.26	3.28	FFP	CG	Strongly oxidized quartz-carbonate veined felsic feldspar porphyry dyke. Fault zone within dyke hosting strong clay altered orange core. No visible mineralization due to alteration. See Strong argillic textures.							
						MD	GY	XL	PRO	4I	--	0
						MD	GY		OXI	4I		
									SIL	3I		
192.26	192.93	0.67	QBS	FG	Strong chlorite altered, dark green, well foliated biotite-schist.. About 5 centimetre clay altered seam (light green) hosting a 1 centimetre wide moly-rich quartz vein (2% molybdenite).							
						DK	GN	FO	CHL	4I	mo	0.01
192.93	195.34	2.41	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Minor chlorite veinlets with potassium feldspar selvages. No visible mineralization.							
						MD	GY	XL	PRO	4I	--	0
195.34	196.97	1.63	QBS	FG	Strong chlorite altered, dark green, well foliated biotite-schist. No visible mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	FO	CHL	4I	--	0
196.97	198.87	1.90	SKN	FG	Weakly foliated to mottled pyroxene-chlorite skarn. Trace chalcopyrite and pyrite in veinlets/seams.							
						MD	GN	FO	CHL	2I	Cp	0.1
								Mo			Py	0.1
198.87	200.97	2.10	SKN	FG	Chlorite-pyroxene skarn with strong silicification. Blebby chalcopyrite in skarn and minor chalcopyrite, pyrite and molybdenite veins/veinlets pervasive. 20 centimetres of quartz-carbonate breccia within interval.							
						MD	GN	MA	CHL	3I	Cp	1
											Py	1
											mo	0.1
200.97	204.30	3.33	SKN	FG	Well banded pyroxene-garnet-magnetite skarn with moderate chlorite alteration. Last 40 centimetres of interval grades into mass magnetite-diopside skarn. Chalcopyrite is found as blebs and patches within pyroxene/chlorite skarn and magnetite-rich areas. Also found within calcite veining. Molybdenite is vein hosted and found intermittently over the entire interval.							
						MD	GN	MA			mo	0.5
						DK	GN	BN	CHL	3I	Cp	3
						DK	PK				Mg	5
											Py	3
204.30	205.58	1.28	SKN	FG	Pyroxene-chlorite skarn hosting blebby chalcopyrite and molybdenite. Minor chalcopyrite and molybdenite calcite veins. Weak to moderate hematite alteration of magnetite in skarn and within magnetite seams. Minor black "pock marks" found locally (1% of interval)							
						MD	GN	MA	CHL	3I	Cp	5
						DK	GN				mo	0.1
205.58	209.70	4.12	SKN	FG	Semi-massive to massive magnetite-pyroxene-serpentine skarn. Chalcopyrite and pyrite found as blebs/patches and as disseminations. Moderate hematite staining/alteration of magnetite. Trace bornite found within massive magnetite skarn.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	BL	MA	HEM	3I	Cp	2
						--	RD				Py	2
											Mg	30
											Bn	0.01
209.70	210.40	0.70	SKN	FG	Pyroxene skarn grading into pyroxene-garnet-diopside skarn over last 30 centimetres. Strongly veined and hosts variable chalcopyrite and molybdenite. Diopside-pyroxene-garnet skarn hosts disseminated chalcopyrite, pyrite and bornite.							
						MD	GN					
						LT	GN				Bn	0.1
						DK	GY	FO			Py	1
						DK	GN	BN	---	--	Cp	2
210.40	222.11	11.71	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist. Small fault zone from 217.73-218.05 metres with strong oxide staining and rubble. No visible mineralization.							
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	PU		OXI	2I		
222.11	222.74	0.63	FFP	CG	Strongly silicified, oxidized and clay altered felsic feldspar porphyritic dyke. Appears to be relic propylitic altered porphyry dyke.							
						LT	GY	XL	SIL	5I	--	0
									OXI	3I		
									CLY	2I		
222.74	228.22	5.48	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist.							
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	PU					
						DK	GN					
228.22	235.30	7.08	FFP	CG	Coarse grained, dark to medium grey, moderately propylitic altered felsic feldspar porphyry dyke. Trace white sericite - sericitic/chlorite altered zone?							
						MD	GY		SER	1I		
						DK	GY	XL	PRO	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
235.30	238.06	2.76	QBS	FG	Well foliated, strongly chlorite and silica altered quartz-biotite-schist. Minor calc0silicate intervals found intermittently. Last 20 centimetres are broken and very strongly silicified with minor clay alteration (fault).							
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	GN		SIL	4I		
238.06	243.63	5.57	SKN	FG	Garnet-diopside-magnetite skarn. Well banded with minor chalcopyrite-chlorite veinlets. Trace disseminated pyrite and chalcopyrite. Hematite alteration on fractures (minor). See minor retrograde garnet to chlorite.							
						DK	GN	BN	HEM	1I	Cp	0.01
						DK	PK				Py	0.01
						--	BL					
243.63	251.92	8.29	QFP	CG	Medium grey, coarse grained, variably oxidized and phyllic altered felsic feldspar porphyry dyke. Oxidized zones from 246.33-247.08 metres and 248.81-249.23 metres. Moderate to strongly phyllic altered along the flanks for about 30-50 centimetres from the oxidized zones. Phyllic altered feldspar porphyry dyke hosts trace molybdenite veinlets (semi-massive - C veins?) Trace quartz-moly and quartz-chalcopyrite veinlets locally.							
						MD	GY	XL	OXI	2I	mo	0.01
									PHC	2I	Cp	0.01
251.92	253.16	1.24	AND	FG	Dark grey-green fine grained andesite dyke. Fine grained to medium grained feldspar and quartz crystals too fine grained relative to our Quartz-feldspar porphyry unit.							
						DK	GY	---	---	--	--	0
						DK	GN					
253.16	256.08	2.92	FFP	CG	Sericite-potassic altered felsic feldspar porphyry dyke. Light pink-green and strongly silicified. Minor interval of oxide staining on core with calcite veinlets Minor molybdenite veinlets at 3 per metre hosting 1-10 percent molybdenite. Trace pyrite replaces mafics.							
						LT	PK	XL	POT	2I	Py	0.1
						LT	GN		OXI	2I		
									PHC	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
256.08	258.19	2.11	AND	FG	Dark grey-green fine grained andesite dyke. Fine grained to medium grained feldspar and quartz crystals too fine grained relative to our Quartz-feldspar porphyry unit.							
						DK	GY	---	---	0I	--	0
						DK	GN					
258.19	264.87	6.68	QBS	FG	Dark grey to light grey to medium-light green, moderately silicified, oxidized, chlorite and sericite altered quartz-biotite-schist. Sericite altered zones host minor pyrite-molybdenite quartz veins (D-veins). An approximately 80 centimetre interval that hosts quartz-carbonate breccia with 1 to 2 percnet pyrite (blebby) and 0.1 percent molybdenite (D-veins).							
						LT	GN		SIL	2I	mo	0.1
						DK	GY	FO	SER	2I	Py	1
						DK	GN		OXI	2I		
									CHL	2I		
264.87	266.90	2.03	FAP	CG	Dark green-grey feldspar-porphyry dyke with local zones with 2 millimetre biotite flakes disseminated. Minor oxidized calcite veinlets pervasive.							
						DK	GN	PO	OXI	1I	--	0
						DK	GY					
266.90	267.34	0.44	QBS	FG	Well foliated, dark grey-green to light grey , weakly to moderately chlorite altered biotite-schist. Foliation is wavy - weakly sheared between two dykes. Minor pink aplite dyke cuts schist (15 centimetres wide).							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	GN					
267.34	272.74	5.40	GRD	MG	Medium grained, medium grey to light pink, weakly to moderately potassic and propylitic altered grandiorite. Secondary biotite (ratty looking) with Phlogopite. Minor quartz-molybdenite seams with chlorite sutures and potassium feldspar selvages (B-Veins).							
						MD	GY	XL	POT	2I	mo	0.01
						LT	PK		PRO	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
272.74	301.43	28.69	QBS	FG	Well foliated, dark grey-green to light grey, moderately to strongly chlorite altered biotite-schist. Minor sericite altered zones up to 50 centimetres. Trace chalcopyrite and molybdenite disseminated within more chlorite-rich zones. Molybdenite found within quartz veins (minor) locally. Disseminated pyrite found within dark grey biotite-bands.							
						LT	GY				Py	0.1
						DK	GN	FO	CHL	4I	mo	0.01
						DK	GY		SER	2I	Cp	0.01
301.43	307.60	6.17	GRD	MG	Strongly propylitic altered and weakly potassic altered medium grey granodiorite. Much of the mica minerals are Phlogopite. Minor potassium feldspar veins. Trace fine grained disseminated pyrite and chalcopyrite replacing mafics.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
307.60	319.24	11.64	HBS	FG	Well foliated, dark grey-purple to light grey, weakly chlorite altered hornfels-biotite-schist. Minor quartz veinlets hosting up to 20% molybdenite, 1% pyrite and 0.5% chalcopyrite (B vein?). Fault interval from 317.80-318.46 metres with minor oxidized and moderate clay-rubble.							
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
319.24	320.63	1.39	AND	FG	Light green to dark green fine grained andesite. About 30 centimetre halos from each contact host sericite alteration (light green and mafics to green sericite).							
						LT	GN		SIL	3I		
						DK	GN	---	SER	3I	--	0
320.63	323.72	3.09	QBS	FG	Very strongly silicified, moderately oxidized, locally moderately clay altered and sericite altered biotite-schist. About 80 percent of interval is fault rock.							
						LT	GN		OXI	2I		
						DK	GN	FO	SIL	4I	--	0
323.72	325.24	1.52	FFP	CG	Strongly phyllic altered, light green felsic feldspar porphyry dyke. Trace disseminated pyrite. Mostly green sericite with minor white sericite. Minor calcite veinlets.							
						LT	GN	XL	PHC	5I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
325.24	331.86	6.62	HBS	FG	Dark grey to dark purple to light green to light grey, well foliated hornfels-biotite-schist. Local intervals of moderately to strongly sericite alteration near intrusive dyke contacts. Calcite-moly veinlets (D-veins) in sericite altered zones.							
						LT	GN	FO	SER	2I	--	0
						DK	GY					
331.86	333.84	1.98	SKN	FG	Diopside-magnetite-pyrrhotite skarn. Dark green to black, well banded/foliated magnetite-pyrrhotite-chalcopyrite found as disseminated and blebs within bands of the skarn. Trace molybdenite within quartz-chlorite seams with trace chalcopyrite. Banded mineralization is generally wavy and appears to be weakly sheared. Minor light green clay alteration along fractures (sericite?).							
						DK	GN	BN	---	--	Mg	20
						--	BL	FO			Po	15
											Py	5
											Cp	2
333.84	335.00	1.16	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Minor approximately 5 centimetre interval of diopside-magnetite skarn near end of interval hosts fine grained disseminated pyrite and chalcopyrite (both 3 percent).							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
335.00	349.73	14.73	FFP	CG	Medium grey, coarse grained felsic feldspar porphyry dyke. Potassium feldspar veining pervasive with or without molybdenite (B-veins). Zones up to 40 centimetres of sericite alteration. Mineralized veinlets are at about 3 per metre throughout. Trace disseminated pyrite replacing mafics. Chalcopyrite rich seams (trace) found locally (A-veins?). 25 centimetre zone with three quartz veins (12 centimetres, 8 centimetres and 3 centimetres wide) encompassed by a 40 centimetre wide sericite halo hosting 5% blebby molybdenite and trace chalcopyrite (D-veins). Molybdenite is disseminated over 5 centimetre halo from the moly-rich veins. Feldspar phenocrysts up to 1 x 1.5 centimetres							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	XL	PRO	4I	mo	0.1
						LT	GN		POT	2I		
									SER	2I		
349.73	350.43	0.70	AND	FG	Dark green-grey, fine grained andesite. Minor calcite veinlets pervasive.							
						DK	GN	---	---	--	--	0
						DK	GY					
350.43	351.56	1.13	FFP	CG	Medium grey, coarse grained granodiorite. Pervasive potassium feldspar veinlets/flooding with or without trace chalcopyrite and molybdenite (B veins). Trace molybdenite in calcite seam.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
351.56	352.02	0.46	AND	FG	Dark grey-green, fine grained andesite. Minor calcite veinlets pervasive.							
						DK	GN	---	---	--	--	0
						DK	GY					
353.10	370.42	17.32	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Minor quartz and calcite veins hosting blebby molybdenite with or without pyrite. Minor intermittent zones of strong chlorite altered biotite-schist. A 50 centimetre interval of clay-gouge and rubbly fault zone, which is moderately oxidized from 357.00-358.10 m.							
						LT	GY					
						DK	GY	FO	OXI	1I	mo	0.01
						DK	PU		CHL	1I		
370.42	370.72	0.30	GRD	MG	Medium grey, minor potassium feldspar veinlets, strongly propylitic altered granodiorite. Phlogopite and biotite.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
370.72	370.76	0.04	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Quartz vein with potassium feldspar selvages host blebby 1 percent molybdenite (B-vein)							
						LT	GY					
						DK	GY	FO	---	0I	mo	1
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
370.76	371.10	0.34	GRD	MG	Medium grey, minor potassium feldspar veinlets, strongly propylitic altered granodiorite. Phlogopite and biotite.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
371.10	378.56	7.46	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Minor quartz and calcite veins hosting blebby molybdenite with or without pyrite. Minor intermittent zones of strong chlorite altered biotite-schist. Minor sericite altered zones encompassing calc9te-dark grey quartz veins hosting 2-5 percent blebby molybdenite (D vein).							
						LT	GY					
						LT	GN					
						DK	GY	FO	CHL	1I	mo	0.1
						DK	PU		SER	1I		
378.56	385.20	6.64	DAC	CG	Light grown to tan dacite porphyry dyke with feldspar phenocrysts. Pyrrhotite and pyrite disseminated throughout. Trace chalcopyrite replacing mafic minerals. Pervasive calcite veining. Trace molybdenite seam within argillic-clay altered zone (about 20 to 30 centimetres wide). Observe calcite-molybdenite veins encompassed by sericite and argillic altered granodiorite (D-vein).							
						LT	BN	PO	SER	2I	Po	0.1
						--	TN		ARG	1I	Py	0.1
385.20	397.53	12.33	GRD	MG	Medium grey, medium grained, strong propylitic altered granodiorite. Calcite and clay/talc/sericite? Along fractures (light green and greasy). Minor argillic and sericitic alteration encompasses calcite veins.							
						MD	GY	XL	SER	1I	--	0
									PRO	4I		
397.53	403.30	5.77	HBS	FG	Dark grey-purple-dark green-light grey, well foliated hornfels biotite-schist. Zones up to 2 metres of chlorite altered schist and sericite altered schist. Last 1.5 metres of interval hosts moderate quartz veining with 1% molybdenite at 4 per metre (D-veins).							
						LT	GY					
						DK	GY	FO	SER	2I	mo	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
						DK	PU		CHL	2I		
403.30	404.03	0.73	SKN	FG	dark green to red diopside-chlorite-magnetite skarn. Moderate to very strong hematite staining converting magnetite to hematite. Trace chalcopyrite and molybdenite disseminated Almost powdered looking the skarn is so altered.							
						DK	GN	BN	HEM	4I	Mg	10
						--	RD	MA			Cp	0.1
											mo	0.1
404.03	405.20	1.17	QBS	FG	Moderate to strongly silicified and sericite altered schist. Minor calcite veinlets cut foliation.							
						LT	GN		SIL	3I		
						DK	GN	FO	SER	3I	--	0
405.20	409.39	4.19	FFP	CG	Coarse grained, medium to dark grey felsic feldspar porphyry dyek. Finer grained over about 1 metre at contacts (chilled margins). No visible mineralization and minor pervasive calcite veinlets.							
						MD	GY	XL	PRO	4I	--	0
						DK	GY					
409.39	410.37	0.98	HBS	FG	Very strongly silicified hornfels-biotite-schist with relict hornfels-biotite-schist foliation. Trace molybdenite in siliceous rocks.							
						LT	GY	FO	SIL	5I	--	0
						DK	GY					
410.37	411.35	0.98	SKN	FG	Garnet-diopside-magnetite skarn. Dark pink to dark green, massive, hosting trace blebby molybdenite and chalcopyrite. Molybdenite found as up to1 x 1 millimetre blebs.							
						DK	PK	MA	---	--	mo	0.1
						DK	GN				Cp	0.1
411.35	413.56	2.21	HBS	FG	Very strongly silicified, well foliated, light grey to dark grey to dark purple. Moderate quartz veining hosting trace to 2 percent molybdenite at 2 per metre.							
						LT	GY					
						DK	GY	FO	SIL	5I	mo	0.1
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
413.56	419.15	5.59	GRD	MG	Medium grey, strongly propylitic altered, weakly potassic and sericite altered granodiorite. Biotite and Phlogopite present. Quartz and chlorite molybdenite veinlets with potassium feldspar selvages at 3 per metre (B-veins).							
						MD	GY	XL	PRO	4I	mo	0.1
						LT	PK		POT	1I		
									SER	1I		
419.15	420.62	1.47	AND	FG	Dark grey, strong propylitic altered andesite. Medium grained mafics are going to chlorite and epidote. Moderate calcite veining/veinlets pervasive.							
						DK	GN	---	PRO	4I	--	0
						DK	GY					
420.62	420.98	0.36	HBS	FG	Dark grey-purple to light grey, weak to moderately silicified hornfels-biotite-schist. Minor quartz-moly seams with up to semi-massive moly at 2 per metre. Minor talc?/sericite? Along fractures (1 millimetre thick).							
						LT	GY					
						DK	GY	FO	SIL	2I	mo	0.01
						DK	PU					
420.98	421.30	0.32	GRD	MG	Medium grey, minor argillic altered granodiorite hosting disseminated pyrite and chalcopyrite. Sulphides replacing mafic minerals.							
						MD	GY	XL	ARG	1I	Py	1
									PRO	4I	Cp	0.1
421.30	426.41	5.11	HBS	FG	Dark grey-purple to light grey, weak to moderately silicified hornfels-biotite-schist. Minor quartz-moly seams with up to semi-massive moly at 2 per metre. Minor talc?/sericite? Along fractures (1 millimetre thick). Broken/rubbly zones found intermittently.							
						LT	GY					
						DK	GY	FO	SIL	2I	mo	0.01
						DK	PU					
426.41	429.43	3.02	SKN	FG	Dark green to black diopside-chlorite-magnetite skarn. Trace chalcopyrite along fractures and trace molybdenite disseminated. Minor intermittent strongly silicified hornfels-biotite-schist (10 percent of interval).							
						DK	GN	MA	---	--	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	BL				mo	0.1
429.43	432.00	2.57	HBS	FG	Strongly silicified, weakly sericite altered, light grey to dark grey to light green, well foliated hornfels-biotite-schist. Trace molybdenite in quartz seams.							
						LT	GY					
						LT	GN					
						DK	GY	FO	SIL	4I	--	0
						DK	PU		SER	2I		
432.00	435.96	3.96	GRD	MG	Medium grey, strongly propylitic and weakly potassic altered granodiorite. Potassic alteration in form of potassium feldspar veins/veinlets with or without blebby moly (B-veins).							
						MD	GY	XL	PRO	4I	mo	0.01
						LT	PK		POT	1I		
435.96	437.80	1.84	HBS	FG	Moderately silicified, weakly sericite altered, dark grey to purple to light grey, well foliated hornfels-biotite-schist. Minor disseminated pyrite within more sericite altered zones (Phyllic).							
						LT	GY		OXI	2I		
						LT	GN		PHC	1I		
						DK	GY	FO	SIL	3I	--	0
						DK	PU		SER	2I		
437.80	439.14	1.34	GRD	MG	Moderately to strongly argillic altered with weak sericite altered granodiorite. First 40 centimetres is moderately oxidized and appears faulted. Moderate molybdenite hosted in minor potassium feldspar veins/veinlets (B-veins).							
						LT	GY	XL	ARG	4I	mo	0.01
						LT	GN		SER	2I		
									OXI	2I		
439.14	443.40	4.26	HBS	FG	Well foliated, strongly silicified and sericite altered biotite schist. Trace quartz-molybdenite seams (B-veins?)							
						LT	GN					
						LT	GY		SER	4I		
						DK	GY	FO	SIL	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
443.40	448.96	5.56	FFP	CG	Light green to dark grey, strongly sericite altered felsic feldspar porphyry dyke with minor propylitic and argillic altered intervals. From 445.15-446.30 metres is strongly oxidized with moderate quartz-carbonate veining. Weak molybdenite blebs within phyllic altered dyke and within quartz veins/veinlets (D-veins). Last 40 centimetres of interval are brecciated with carbonate matrix and sericite-phyllic altered clasts with trace molybdenite blebs (D-veins/breccia).							
						LT	GY	XL	PHC	3I	mo	0.01
						LT	GN		ARG	1I		
									PRO	1I		
448.96	451.27	2.31	QBS	FG	Well foliated, light green to dark green, strongly sericite and moderately chlorite altered biotite schist. Minor molybdenite blebs within silicified/sericite altered schist (D-veins) and within quartz seams at about 1-2 per metre (C-veins?).							
						LT	GN	FO	SER	4I	mo	0.1
						DK	GY		CHL	3I		
									SIL	3I		
451.27	454.00	2.73	FAP	CG	Dark green-grey quartz-feldspar porphyry dyke. Pervasive calcite veining. Minor hematite blebs (less than 1 millimetre) disseminated.							
						DK	GN	---	---	0I	--	0
						DK	GY					
454.00	455.00	1.00	HBS	FG	Well foliated, rubbly and moderately oxidized hornfels-biotite-schist. Fault rock.							
						MD	OR					
						LT	GY					
						DK	GY	FO	OXI	3I	--	0
455.00	457.50	2.50	FAP	CG	Dark green-grey quartz-feldspar porphyry dyke with strong phyllic alteration for about 1 metre from top contact with the fault. Pervasive calcite veining.							
						DK	GY	---	SER	2I	--	0
						DK	GN					
457.50	460.23	2.73	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor quartz-moly seams at 2-3 per metre. Last 30 centimetres are strongly sericite altered.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						DK	GY	FO	SER	3I	--	0
						DK	PU					
460.23	462.67	2.44	GRD	MG	Moderately to strongly potassic altered/flooded granodiorite. Light pink to light green with sericite overprinting potassic?! Local molybdenite blebs/veins up to 0.5 centimetre found locally. Best molybdenite associated with potassium feldspar flooding/alteration (B-veins)							
						MD	GN		PRO	2I		
						MD	GY		SER	2I		
						LT	PK	XL	POT	3I	mo	0.5
462.67	466.01	3.34	HBS	FG	Well foliated, moderately to strongly silicified with local weakly sericite altered interval for first 20 centimetres at top contact. Trace molybdenite hosted in quartz seams (b-veins?).							
						LT	GY					
						DK	GY	FO	SER	1I	--	0
						DK	GN		SIL	3I		
466.01	466.58	0.57	FAP	CG	Dark green-grey quartz-feldspar porphyry with pervasive calcite veining.							
						DK	GN	---	---	--	--	0
						DK	GY					
466.58	467.24	0.66	QBS	FG	Very strongly silicified, well foliated, dark grey biotite schist. Quartz veinlets with potassium feldspar host blebby molybdenite (B-veins). At bottom, contact a 0.5 centimetre semi-massive molybdenite-quartz vein (B-vein?).							
						DK	GY	FO	SIL	5I	mo	0.01
									POT	2I		
467.24	467.55	0.31	FAP	CG	Dark grey-green quartz-feldspar porphyritic dyke with pervasive calcite veining.							
						DK	GY	---	---	--	--	0
						DK	GN					
467.55	469.25	1.70	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist. Strongly silicified zones hosting moly seams at 2 per metre. Strongly silicified at contact with granodiorite over 70 centimetres.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	GN		CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
469.25	471.84	2.59	GRD	MG	Moderately propylitic altered granodiorite. Medium grey, medium grained with chlorite sutures with or without moly and with potassium feldspar selvages (B-veins).							
						MD	GY	XL	PRO	3I	mo	0.1
						LT	PK		POT	1I		
471.84	475.25	3.41	HBS	FG	Well foliated, fine grained, dark grey-purple to light grey hornfels-biotite-schist. A 20 centimetre interval of strong sericite altered schist near vein/clay altered zone in centre of interval with trace blebby molybdenite (D-vein/structure).							
						LT	GN					
						LT	GY					
						DK	GY	FO	SER	2I	--	0
						DK	PU		CLY	1I		
475.25	477.46	2.21	GRD	MG	Medium grey to light pink, moderately potassic altered granodiorite. Minor zones with potassium feldspar flooding/very strong potassium feldspar alteration hosting blebby molybdenite up to 0.3 by 0.3 centimetres (hosted in B-veins).							
						MD	GY	XL	POT	3I	mo	0.1
						LT	PK					
477.46	480.51	3.05	HBS	FG	Strongly silicified with potassic feldspar flooding with quartz, weakly sericite altered locally and well foliated hornfels-biotite schist. Blebby molybdenite up to 0.5 x 0.5 centimetres in quartz vein.							
						LT	GY					
						DK	GY	FO	SIL	3I	mo	0.01
						DK	PU					
480.51	482.60	2.09	GRD	MG	Strongly propylitic altered, medium grey-green granodiorite. Weak to moderate potassic altered with minor potassic feldspar flooding. Trace chalcopyrite-chlorite veins and chlorite-sutured molybdenite veins with potassium feldspar selvages (B-veins).							
						LT	GY	XL	PRO	4I	mo	0.01
						LT	PK		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
482.60	487.98	5.38	HBS	FG	Dark grey-purple-green to light grey, well foliated, moderately chlorite and sericite altered hornfels-biotite-schist. Minor quartz seams cutting obliquely to foliation host trace molybdenite. Chlorite altered zone has light green quartz flooding? With pyrrhotite (blebby) over last 15 centimetres of interval. Minor clay alteration for last 30 centimetres of interval before contact.							
						LT	GY					
						DK	GY	FO	SER	3I	mo	0.01
						DK	PU		CHL	3I	Po	0.1
						DK	GN					
487.98	494.14	6.16	FFP	CG	Moderately to strongly clay, propylitic and sericite altered felsic feldspar porphry dyke. Medium to dark green to dark grey with minor molybdenite found in clay altered rubble (Fault controlled D-veins).							
						MD	GN		PRO	3I		
						DK	GN	---	CLY	3I	--	0
						DK	GY		SER	3I		
494.14	499.92	5.78	HBS	FG	Moderately oxidized, weakly clay and very strongly silica altered, medium grey to dark grey to medium green, well foliated hornfels-biotite-schist. Moderate quartz-flooded areas (up to 20 centimetres) with pervasive chlorite sutured-potassium feldspar veins (B-Veins) at 3 per metre.							
						MD	GY	FO	OXI	3I	--	0
						MD	GN		SIL	4I		
						DK	GY		CLY	2I		
499.92	501.70	1.78	FAP	CG	Dark green to grey, quartz-feldspar porphyry dyke with biotite flakes. Calcite veining pervasive.							
						DK	GY	---				
						DK	GN	---	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	3.05	3.05	OVB	--	Overburden							
						--	--	---	---	--	--	0

3.05	4.20	1.15	HBS	FG	Well foliated, moderately to strongly oxidized hornfels-biotite-schist.							
						DK	GY	FO	OXI	3I	--	0
						DK	PU					
						LT	GY					
4.20	4.62	0.42	SKN	FG	Medium green, blocky, moderately to strongly oxidized massive skarn. No visible mineralization.							
						MD	GN	MA	OXI	3I	--	0
4.62	20.80	16.18	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Strong fault zones found intermittently and make up about 70 percent of interval. Strongly oxidized/block and clay altered intermittently							
						DK	GY	FO	OXI	5I	--	0
						DK	PU		SIL	3I		
						LT	GY					
						DK	OR					
20.80	22.94	2.14	CSL	FG	Fine grained, medium green calc-silicate with trace molybdenite seams cutting core sub-parallel to foliation at 80 degrees to core axis.							
						MD	GN	FO	---	--	mo	0.01
						LT	GY	MA				
22.94	33.04	10.10	HBS	FG	Dark grey-purple to light grey well foliated and moderately oxidized/silicified hornfels-biotite-schist. Strongly oxidized calcite veinlets/seams pervasive throughout.							
						DK	PU					
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
33.04	48.14	15.10	SKN	FG	Magnetite-diopside skarn with "leopard-like" alteration, strongly silicified calc-silicate, magnetite skarn, chlorite altered skarn with black "pock marks", diopside-magnetite +/-epidote. Mineralization doesn't start until 39.09-48.14 m							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Cp	0.5
											Mg	5
48.14	74.00	25.86	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. About 1 metre of fault within zone defined by clay alteration, rubbly and very strong oxide alteration (58.4-59.4 m). Intervals with very strong vilification where host rock is unrecognizable as it is medium to light grey with minor relict foliation/banding. About 1.5 metre interval of hornfels-biotite-schist with local garnets hosting weak disseminated pyrite. Minor chlorite seams cut hornfels-biotite-schist and some host trace chalcopyrite and pyrite.							
						DK	PU		OXI	3I		
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
74.00	75.58	1.58	SKN	FG	Diopside-garnet-magnetite skarn. Medium green to dark green, banded to mottled. Bottom contact with granodiorite see garnet being altered into chlorite. Minor chlorite-ankerite-magnetite seams cutting foliation. Chalcopyrite generally found in seams and within chlorite altered areas as blebs/disseminations. Fractures have minor oxide staining.							
						DK	GN	BN	OXI	1I	Cp	0.5
						DK	PK				Mg	5
						--	BL					
						MD	GN	Mo			Py	0.5
75.58	88.79	13.21	FFP	MG	Medium grey, intermittently oxidized and silicified felsic feldspar porphyry dyke. Faults represent about 25% of interval and range from 20 centimetres to over 1 metre. Phyllic alteration is found as halos around these faults. Chalcopyrite and pyrite is found within seams (chlorite) and disseminated replacing mafic minerals in the dyke. Molybdenite is observed in quartz veins and as clots within strongly oxidized porphyry dyke and areas with strong calcite veining. 1 x 1.5 centimetres feldspar phenocrysts show minor potassium feldspar alteration.							
									SIL	3I		
						MD	GY	PO	PRO	4I	--	0
									PHC	2I		
									OXI	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
88.79	94.17	5.38	AND	FG	Dark green to light green andesite dyke. Moderately phyllic altered. On the flanks of a strongly oxidized and silicified fault with strong stockwork-like breccia.							
						LT	GN		OXI	3I		
						DK	GN	MA	PHC	3I	--	0
									SIL	3I		
94.17	131.14	36.97	FFP	CG	Medium grey, intermittently oxidized and silicified felsic feldspar porphyry dyke. Minor chalcopyrite and pyrite is found within seams (chlorite) and disseminated replacing mafic minerals in the dyke. Molybdenite is observed in quartz veins and as clots (0.5 x 0.5 centimetres). 1 x 1.5 centimetres feldspar phenocrysts show minor potassium feldspar alteration.							
									PHC	2I		
									OXI	3I		
									SIL	3I		
						MD	GY	PO	PRO	4I	mo	0.1
131.14	132.11	0.97	HBS	FG	Well foliated, moderately silicified, medium dark green, medium grey hornfels-biotite-schist xenolith.							
						DK	GY	FO	SIL	4I	--	0
						DK	GN					
						MD	GN					
						MD	GY					
132.11	132.75	0.64	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Trace chalcopyrite and molybdenite within chlorite/quartz seams.							
						MD	GY	PO	PRO	4I	--	0
132.75	141.73	8.98	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Local garnets have been retrograde altered into chlorite. Trace chlorite-quartz veins hosting blebby molybdenite, especially at intersections of two veins.							
						LT	GY					
						DK	PU					
						DK	GY	FO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
141.73	142.31	0.58	SKN	FG	Actinolite-tremolite-magnetite skarn. Tremolite-actinolite going to chlorite? Trace chalcopyrite and molybdenite associated with large patch of magnetite (5 x 5 centimetres).							
											mo	0.01
						MD	GY				Cp	0.1
						MD	GN	MA	---	--	Mg	2
142.31	148.02	5.71	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Weakly oxidized intermittently. Strongly oxidized fault zone from 147.00-148.02 metres. Intermittent sericite alteration around veins within hornfels-biotite-schist.							
						DK	GY	FO	OXI	3I	--	0
						LT	GY					
						DK	PU					
148.02	159.06	11.04	FFP	CG	Medium grey, strongly propylitic altered, moderately to strongly oxidized felsic feldspar porphyry dyke. 151.48-153.71 m is a fault - strongly oxidized, gougy/clay altered. Appears argillic.							
									PRO	4I		
						MD	GY	XL	OXI	3I	--	0
159.06	165.01	5.95	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Approximately 40 centimetres of strong sericite alteration at contact with granodiorite and small 10 centimetre intervals in center. No visible mineralization.							
						DK	PU		OXI	1I		
						DK	GY	FO	SER	2I	--	0
						LT	GY					
165.01	169.90	4.89	SKN	FG	Diopside-actinolite skarn. Dark to medium green, massive with weak to moderate chlorite alteration. Trace disseminated chalcopyrite. Hornfels-biotite-schist found within interval and represents about 1.8 metres of the interval intermittently.							
						DK	GN	FO	CHL	2I	Cp	0.01
						DK	GY	MA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
169.90	175.04	5.14	QBS	FG	Strongly chlorite altered, dark green to grey biotite-schist. Trace pyrite disseminated. Minor quartz veining. Minor intervals of dark grey-purple to light grey, well foliated hornfels-biotite-schist.							
						DK	GY					
						DK	GN	FO	CHL	4I	Py	0.01
						DK	PU					
175.04	175.78	0.74	SKN	FG	Banded light to medium green pyroxene-chlorite-garnet skarn with trace azurite? In weakly clay altered zone.							
						DK	PU					
						MD	GN					
						DK	GN	BN	CHL	2I	--	0
175.78	176.46	0.68	QBS	FG	Strongly chlorite altered, dark green to grey biotite-schist. Trace pyrite disseminated. Minor quartz veining. Minor intervals of dark grey-purple to light grey, well foliated hornfels-biotite-schist.							
						DK	GY					
						DK	PU					
						DK	GN	FO	CHL	4I	--	0
176.46	177.29	0.83	FFP	CG	Strongly propylitic altered, medium grey, weakly foliated felsic feldspar porphyry dyke. Trace white-tan sericite alteration.							
									SER	2I		
						MD	GY	FO	PRO	5I	--	0
177.29	179.51	2.22	HBS	FG	Strongly silicified, weakly sericitized, dark grey-purple to light grey, well foliated hornfels-biotite-schist. Weakly oxidized.							
						DK	GY	FO	SIL	4I	--	0
						DK	PU		SER	2I		
						LT	GY					
179.51	180.65	1.14	SKN	FG	Tremolite-actinolite skarn. Medium to light grey-green, massive to weakly foliated. Non-magnetic and no visible mineralization.							
						MD	GY	MA	---	--	--	0
						LT	GY	FO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
180.65	188.98	8.33	SKN	FG	Diopside-actinolite skarn, banded diopside-magnetite skarn (banded), banded pyroxene-chlorite-garnet-magnetite skarn. From about 1587-187.90 see bleached pyroxene-garnet-epidote skarn with strong quartz-chlorite veining at 15 per metre. Trace pyrite, chalcopyrite and molybdenite in seams. Chalcopyrite found with banded diopside-magnetite skarn and banded pyroxene-chlorite-garnet-magnetite skarn as disseminated/blebby (1%) with pyrite (1%). This makes up 1.82 m of interval. 2.5 centimetre wide quartz-vein hosting blebby molybdenite (up to 0.5 x 0.5 centimetre blebs - 5% total molybdenite in vein) within diopside-actinolite skarn. Last 1.2 metres of interval is strongly oxidized and moderately clay altered with relict skarn. Hosts up to 0.5 centimetre goethite crystals and low angle dark red/orange veins up to 1 centimetre wide. Garnet crystals near end of interval are altered to chlorite (retrograde altered).							
						--	BL				Mg	2
						MD	GN		OXI	3I	Py	1
						DK	GN	BN	CHL	2I	Cp	0.1
188.98	192.26	3.28	FFP	CG	Strongly oxidized quartz-carbonate veined felsic feldspar porphyry dyke. Fault zone within dyke hosting strong clay altered orange core. No visible mineralization due to alteration. See Strong argillic textures.							
						MD	GY	XL	PRO	4I	--	0
									SIL	3I		
						MD	GY		OXI	4I		
192.26	192.93	0.67	QBS	FG	Strong chlorite altered, dark green, well foliated biotite-schist.. About 5 centimetre clay altered seam (light green) hosting a 1 centimetre wide moly-rich quartz vein (2% molybdenite).							
						DK	GN	FO	CHL	4I	mo	0.01
192.93	195.34	2.41	FFP	CG	Medium grey, strongly propylitic altered felsic feldspar porphyry dyke. Minor chlorite veinlets with potassium feldspar selvages. No visible mineralization.							
						MD	GY	XL	PRO	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
195.34	196.97	1.63	QBS	FG	Strong chlorite altered, dark green, well foliated biotite-schist. No visible mineralization.							
						DK	GN	FO	CHL	4I	--	0
196.97	210.40	13.43	SKN	FG	LV Zone: Pyroxene-chlorite skarn hosting disseminated chalcopyrite, pyrite and molybdenite veins, pyroxene-garnet-magnetite (banded and weak magnetite), Diopside-magnetite skarn with disseminated chalcopyrite and pyrite associated with magnetite, semi-massive magnetite-pyroxene skarn with minor serpentine hosting vein/stringers of chalcopyrite.							
						DK	GN	MA	CHL	2I	Cp	3
						MD	GN	BN			Py	1
						--	BL				mo	0.1
											Mg	15
210.40	222.11	11.71	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist. Small fault zone from 217.73-218.05 metres with strong oxide staining and rubble. No visible mineralization.							
						DK	GY	FO	CHL	3I	--	0
						DK	PU		OXI	2I		
						LT	GY					
222.11	222.74	0.63	FFP	CG	Strongly silicified, oxidized and clay altered felsic feldspar porphyritic dyke. Appears to be relic propylitic altered porphyry dyke.							
									OXI	3I		
									CLY	2I		
						LT	GY	XL	SIL	5I	--	0
222.74	228.22	5.48	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist.							
						DK	GN					
						LT	GY					
						DK	PU					
						DK	GY	FO	CHL	3I	--	0
228.22	235.30	7.08	FFP	CG	Coarse grained, dark to medium grey, moderately propylitic altered felsic feldspar porphyry dyke. Trace white sericite - sericitic/chlorite altered zone?							
						MD	GY		SER	1I		
						DK	GY	XL	PRO	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
235.30	238.06	2.76	QBS	FG	Well foliated, strongly chlorite and silica altered quartz-biotite-schist. Minor calc0silicate intervals found intermittently. Last 20 centimetres are broken and very strongly silicified with minor clay alteration (fault).							
						LT	GY					
						DK	GN		SIL	4I		
						DK	GY	FO	CHL	3I	--	0
238.06	243.63	5.57	SKN	FG	Garnet-diopside-magnetite skarn. Well banded with minor chalcopyrite-chlorite veinlets. Trace disseminated pyrite and chalcopyrite. Hematite alteration on fractures (minor). See minor retrograde garnet to chlorite.							
						--	BL					
						DK	GN	BN	HEM	1I	Cp	0.01
						DK	PK				Py	0.01
243.63	251.92	8.29	FFP	CG	Medium grey, coarse grained, variably oxidized and phyllic altered felsic feldspar porphyry dyke. Oxidized zones from 246.33-247.08 metres and 248.81-249.23 metres. Moderate to strongly phyllic altered along the flanks for about 30-50 centimetres from the oxidized zones. Phyllic altered feldspar porphyry dyke hosts trace molybdenite veinlets (semi-massive - C veins?) Trace quartz-moly and quartz-chalcopyrite veinlets locally.							
									PHC	2I	Cp	0.01
						MD	GY	XL	OXI	2I	mo	0.01
251.92	253.16	1.24	AND	FG	Dark grey-green fine grained andesite dyke. Fine grained to medium grained feldspar and quartz crystals too fine grained relative to our Quartz-feldspar porphyry unit.							
						DK	GN					
						DK	GY	---	---	--	--	0
253.16	256.08	2.92	FFP	CG	Sericite-potassic altered felsic feldspar porphyry dyke. Light pink-green and strongly silicified. Minor interval of oxide staining on core with calcite veinlets Minor molybdenite veinlets at 3 per metre hosting 1-10 percent molybdenite. Trace pyrite replaces mafics.							
									PHC	2I		
						LT	PK	XL	POT	2I	Py	0.1
						LT	GN		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
256.08	258.19	2.11	AND	FG	Dark grey-green fine grained andesite dyke. Fine grained to medium grained feldspar and quartz crystals too fine grained relative to our Quartz-feldspar porphyry unit.							
						DK	GN					
						DK	GY	---	---	0I	--	0
258.19	264.87	6.68	QBS	FG	Dark grey to light grey to medium-light green, moderately silicified, oxidized, chlorite and sericite altered quartz-biotite-schist. Sericite altered zones host minor pyrite-molybdenite quartz veins (D-veins). An approximately 80 centimetre interval that hosts quartz-carbonate breccia with 1 to 2 percnet pyrite (blebby) and 0.1 percent molybdenite (D-veins).							
									CHL	2I		
						DK	GY	FO	SER	2I	Py	1
						LT	GN		SIL	2I	mo	0.1
						DK	GN		OXI	2I		
264.87	266.90	2.03	FAP	CG	Dark green-grey feldspar-porphyry dyke with local zones with 2 millimetre biotite flakes disseminated. Minor oxidized calcite veinlets pervasive.							
						DK	GN	PO	OXI	1I	--	0
						DK	GY					
266.90	267.34	0.44	QBS	FG	Well foliated, dark grey-green to light grey , weakly to moderately chlorite altered biotite-schist. Foliation is wavy - weakly sheared between two dykes. Minor pink aplite dyke cuts schist (15 centimetres wide).							
						DK	GN					
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
267.34	272.74	5.40	GRD	MG	Medium grained, medium grey to light pink, weakly to moderately potassic and propylitic altered grandiorite. Secondary biotite (ratty looking) with Phlogopite. Minor quartz-molybdenite seams with chlorite sutures and potassium feldspar selvages (B-Veins).							
						LT	PK		PRO	2I		
						MD	GY	XL	POT	2I	mo	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
272.74	301.43	28.69	QBS	FG	Well foliated, dark grey-green to light grey, moderately to strongly chlorite altered biotite-schist. Minor sericite altered zones up to 50 centimetres. Trace chalcopyrite and molybdenite disseminated within more chlorite-rich zones. Molybdenite found within quartz veins (minor) locally. Disseminated pyrite found within dark grey biotite-bands.							
						DK	GN	FO	CHL	4I	mo	0.01
						DK	GY		SER	2I	Cp	0.01
						LT	GY				Py	0.1
301.43	307.60	6.17	GRD	MG	Strongly propylitic altered and weakly potassic altered medium grey granodiorite. Much of the mica minerals are Phlogopite. Minor potassium feldspar veins. Trace fine grained disseminated pyrite and chalcopyrite replacing mafics.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
307.60	319.24	11.64	HBS	FG	Well foliated, dark grey-purple to light grey, weakly chlorite altered hornfels-biotite-schist. Minor quartz veinlets hosting up to 20% molybdenite, 1% pyrite and 0.5% chalcopyrite (B vein?). Fault interval from 317.80-318.46 metres with minor oxidized and moderate clay-rubble.							
						DK	PU					
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
319.24	320.63	1.39	AND	FG	Light green to dark green fine grained andesite. About 30 centimetre halos from each contact host sericite alteration (light green and mafics to green sericite).							
						DK	GN	---	SER	3I	--	0
						LT	GN		SIL	3I		
320.63	323.72	3.09	QBS	FG	Very strongly silicified, moderately oxidized, locally moderately clay altered and sericite altered biotite-schist. About 80 percent of interval is fault rock.							
						DK	GN	FO	SIL	4I	--	0
						LT	GN		OXI	2I		
323.72	325.24	1.52	FFP	CG	Strongly phyllic altered, light green felsic feldspar porphyry dyke. Trace disseminated pyrite. Mostly green sericite with minor white sericite. Minor calcite veinlets.							
						LT	GN	XL	PHC	5I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
325.24	331.86	6.62	HBS	FG	Dark grey to dark purple to light green to light grey, well foliated hornfels-biotite-schist. Local intervals of moderately to strongly sericite alteration near intrusive dyke contacts. Calcite-moly veinlets (D-veins) in sericite altered zones.							
						DK	GY					
						LT	GN	FO	SER	2I	--	0
331.86	333.84	1.98	SKN	FG	Diopside-magnetite-pyrrhotite skarn. Dark green to black, well banded/foliated magnetite-pyrrhotite-chalcopyrite found as disseminated and blebs within bands of the skarn. Trace molybdenite within quartz-chlorite seams with trace chalcopyrite. Banded mineralization is generally wavy and appears to be weakly sheared. Minor light green clay alteration along fractures (sericite?).							
						--	BL	FO			Po	15
						DK	GN	BN	---	--	Mg	20
											Cp	2
											Py	5
333.84	335.00	1.16	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite-schist. Minor approximately 5 centimetre interval of diopside-magnetite skarn near end of interval hosts fine grained disseminated pyrite and chalcopyrite (both 3 percent).							
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	--	0
335.00	349.73	14.73	FFP	CG	Medium grey, coarse grained felsic feldspar porphyry dyke. Potassium feldspar veining pervasive with or without molybdenite (B-veins). Zones up to 40 centimetres of sericite alteration. Mineralized veinlets are at about 3 per metre throughout. Trace disseminated pyrite replacing mafics. Chalcopyrite rich seams (trace) found locally (A-veins?). 25 centimetre zone with three quartz veins (12 centimetres, 8 centimetres and 3 centimetres wide) encompassed by a 40 centimetre wide sericite halo hosting 5% blebby molybdenite and trace chalcopyrite (D-veins). Molybdenite is disseminated over 5 centimetre halo from the moly-rich veins. Feldspar phenocrysts up to 1 x 1.5 centimetres							
						LT	GN		POT	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	XL	PRO	4I	mo	0.1
									SER	2I		
349.73	350.43	0.70	AND	FG	Dark green-grey, fine grained andesite. Minor calcite veinlets pervasive.							
						DK	GY					
						DK	GN	---	---	--	--	0
350.43	351.56	1.13	FFP	CG	Medium grey, coarse grained granodiorite. Pervasive potassium feldspar veinlets/flooding with or without trace chalcopyrite and molybdenite (B veins). Trace molybdenite in calcite seam.							
						MD	GY	XL	PRO	4I	--	0
									POT	2I		
351.56	352.02	0.46	AND	FG	Dark grey-green, fine grained andesite. Minor calcite veinlets pervasive.							
						DK	GY					
						DK	GN	---	---	--	--	0
353.10	370.42	17.32	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Minor quartz and calcite veins hosting blebby molybdenite with or without pyrite. Minor intermittent zones of strong chlorite altered biotite-schist. A 50 centimetre interval of clay-gouge and rubbly fault zone, which is moderately oxidized from 357.00-358.10 m.							
						LT	GY					
						DK	PU		CHL	1I		
						DK	GY	FO	OXI	1I	mo	0.01
370.42	370.72	0.30	GRD	MG	Medium grey, minor potassium feldspar veinlets, strongly propylitic altered granodiorite. Phlogopite and biotite.							
									POT	2I		
						MD	GY	XL	PRO	4I	--	0
370.72	370.76	0.04	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Quartz vein with potassium feldspar selvages host blebby 1 percent molybdenite (B-vein)							
						LT	GY					
						DK	PU					
						DK	GY	FO	---	0I	mo	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
370.76	371.10	0.34	GRD	MG	Medium grey, minor potassium feldspar veinlets, strongly propylitic altered granodiorite. Phlogopite and biotite.							
									POT	2I		
						MD	GY	XL	PRO	4I	--	0
371.10	378.56	7.46	HBS	FG	Dark grey-purple, well foliated hornfels-biotite-schist. Minor quartz and calcite veins hosting blebby molybdenite with or without pyrite. Minor intermittent zones of strong chlorite altered biotite-schist. Minor sericite altered zones encompassing calc9te-dark grey quartz veins hosting 2-5 percent blebby molybdenite (D vein).							
						DK	PU		SER	1I		
						DK	GY	FO	CHL	1I	mo	0.1
						LT	GY					
						LT	GN					
378.56	385.20	6.64	DAC	CG	Light grown to tan dacite porphyry dyke with feldspar phenocrysts. Pyrrhotite and pyrite disseminated throughout. Trace chalcopyrite replacing mafic minerals. Pervasive calcite veining. Trace molybdenite seam within argillic-clay altered zone (about 20 to 30 centimetres wide). Observe calcite-molybdenite veins encompassed by sericite and argillic altered granodiorite (D-vein).							
						LT	BN	PO	SER	2I	Po	0.1
						--	TN		ARG	1I	Py	0.1
385.20	397.53	12.33	GRD	MG	Medium grey, medium grained, strong propylitic altered granodiorite. Calcite and clay/talc/sericite? Along fractures (light green and greasy). Minor argillic and sericitic alteration encompasses calcite veins.							
						MD	GY	XL	SER	1I	--	0
									PRO	4I		
397.53	403.30	5.77	HBS	FG	Dark grey-purple-dark green-light grey, well foliated hornfels biotite-schist. Zones up to 2 metres of chlorite altered schist and sericite altered schist. Last 1.5 metres of interval hosts moderate quartz veining with 1% molybdenite at 4 per metre (D-veins).							
						DK	GY	FO	SER	2I	mo	0.01
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		CHL	2I		
						LT	GY					
403.30	404.03	0.73	SKN	FG	dark green to red diopside-chlorite-magnetite skarn. Moderate to very strong hematite staining converting magnetite to hematite. Trace chalcopyrite and molybdenite disseminated Almost powdered looking the skarn is so altered.							
						--	RD	MA			Cp	0.1
											mo	0.1
						DK	GN	BN	HEM	4I	Mg	10
404.03	405.20	1.17	QBS	FG	Moderate to strongly silicified and sericite altered schist. Minor calcite veinlets cut foliation.							
						LT	GN		SIL	3I		
						DK	GN	FO	SER	3I	--	0
405.20	409.39	4.19	FFP	CG	Coarse grained, medium to dark grey felsic feldspar porphyry dyek. Finer grained over about 1 metre at contacts (chilled margins). No visible mineralization and minor pervasive calcite veinlets.							
						MD	GY	XL	PRO	4I	--	0
						DK	GY					
409.39	410.37	0.98	HBS	FG	Very strongly silicified hornfels-biotite-schist with relict hornfels-biotite-schist foliation. Trace molybdenite in siliceous rocks.							
						LT	GY	FO	SIL	5I	--	0
						DK	GY					
410.37	411.35	0.98	SKN	FG	Garnet-diopside-magnetite skarn. Dark pink to dark green, massive, hosting trace blebby molybdenite and chalcopyrite. Molybdenite found as up to1 x 1 millimetre blebs.							
						DK	PK	MA	---	--	mo	0.1
						DK	GN				Cp	0.1
411.35	413.56	2.21	HBS	FG	Very strongly silicified, well foliated, light grey to dark grey to dark purple. Moderate quartz veining hosting trace to 2 percent molybdenite at 2 per metre.							
						DK	PU					
						DK	GY	FO	SIL	5I	mo	0.1
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
413.56	419.15	5.59	GRD	MG	Medium grey, strongly propylitic altered, weakly potassic and sericite altered granodiorite. Biotite and Phlogopite present. Quartz and chlorite molybdenite veinlets with potassium feldspar selvages at 3 per metre (B-veins).							
						MD	GY	XL	PRO	4I	mo	0.1
						LT	PK		POT	1I		
									SER	1I		
419.15	420.62	1.47	AND	FG	Dark grey, strong propylitic altered andesite. Medium grained mafics are going to chlorite and epidote. Moderate calcite veining/veinlets pervasive.							
						DK	GY					
						DK	GN	---	PRO	4I	--	0
420.62	420.98	0.36	HBS	FG	Dark grey-purple to light grey, weak to moderately silicified hornfels-biotite-schist. Minor quartz-moly seams with up to semi-massive moly at 2 per metre. Minor talc?/sericite? Along fractures (1 millimetre thick).							
						DK	GY	FO	SIL	2I	mo	0.01
						DK	PU					
						LT	GY					
420.98	421.30	0.32	GRD	MG	Medium grey, minor argillic altered granodiorite hosting disseminated pyrite and chalcopyrite. Sulphides replacing mafic minerals.							
						MD	GY	XL	ARG	1I	Py	1
									PRO	4I	Cp	0.1
421.30	426.41	5.11	HBS	FG	Dark grey-purple to light grey, weak to moderately silicified hornfels-biotite-schist. Minor quartz-moly seams with up to semi-massive moly at 2 per metre. Minor talc?/sericite? Along fractures (1 millimetre thick). Broken/rubbly zones found intermittently.							
						DK	PU					
						LT	GY					
						DK	GY	FO	SIL	2I	mo	0.01
426.41	429.43	3.02	SKN	FG	Dark green to black diopside-chlorite-magnetite skarn. Trace chalcopyrite along fractures and trace molybdenite disseminated. Minor intermittent strongly silicified hornfels-biotite-schist (10 percent of interval).							
						--	BL				mo	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	---	--	Cp	0.1
429.43	432.00	2.57	HBS	FG	Strongly silicified, weakly sericite altered, light grey to dark grey to light green, well foliated hornfels-biotite-schist. Trace molybdenite in quartz seams.							
						LT	GN					
						LT	GY					
						DK	PU		SER	2I		
						DK	GY	FO	SIL	4I	--	0
432.00	435.96	3.96	GRD	MG	Medium grey, strongly propylitic and weakly potassic altered granodiorite. Potassic alteration in form of potassium feldspar veins/veinlets with or without blebby moly (B-veins).							
						LT	PK		POT	1I		
						MD	GY	XL	PRO	4I	mo	0.01
435.96	437.80	1.84	HBS	FG	Moderately silicified, weakly sericite altered, dark grey to purple to light grey, well foliated hornfels-biotite-schist. Minor disseminated pyrite within more sericite altered zones (Phyllic).							
						DK	GY	FO	SIL	3I	--	0
						DK	PU		SER	2I		
						LT	GY		OXI	2I		
						LT	GN		PHC	1I		
437.80	439.14	1.34	GRD	MG	Moderately to strongly argillic altered with weak sericite altered granodiorite. First 40 centimetres is moderately oxidized and appears faulted. Moderate molybdenite hosted in minor potassium feldspar veins/veinlets (B-veins).							
						LT	GN		SER	2I		
						LT	GY	XL	ARG	4I	mo	0.01
									OXI	2I		
439.14	443.40	4.26	HBS	FG	Well foliated, strongly silicified and sericite altered biotite schist. Trace quartz-molybdenite seams (B-veins?)							
						LT	GN					
						LT	GY		SER	4I		
						DK	GY	FO	SIL	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
443.40	448.96	5.56	FFP	CG	Light green to dark grey, strongly sericite altered felsic feldspar porphyry dyke with minor propylitic and argillic altered intervals. From 445.15-446.30 metres is strongly oxidized with moderate quartz-carbonate veining. Weak molybdenite blebs within phyllic altered dyke and within quartz veins/veinlets (D-veins). Last 40 centimetres of interval are brecciated with carbonate matrix and sericite-phyllic altered clasts with trace molybdenite blebs (D-veins/breccia).							
						LT	GY	XL	PHC	3I	mo	0.01
						LT	GN		ARG	1I		
									PRO	1I		
448.96	451.27	2.31	QBS	FG	Well foliated, light green to dark green, strongly sericite and moderately chlorite altered biotite schist. Minor molybdenite blebs within silicified/sericite altered schist (D-veins) and within quartz seams at about 1-2 per metre (C-veins?).							
						DK	GY		CHL	3I		
									SIL	3I		
						LT	GN	FO	SER	4I	mo	0.1
451.27	454.00	2.73	FAP	CG	Dark green-grey quartz-feldspar porphyry dyke. Pervasive calcite veining. Minor hematite blebs (less than 1 millimetre) disseminated.							
						DK	GN	---	---	0I	--	0
						DK	GY					
454.00	455.00	1.00	HBS	FG	Well foliated, rubbly and moderately oxidized hornfels-biotite-schist. Fault rock.							
						MD	OR					
						LT	GY					
						DK	GY	FO	OXI	3I	--	0
455.00	457.50	2.50	FAP	CG	Dark green-grey quartz-feldspar porphyry dyke with strong phyllic alteration for about 1 metre from top contact with the fault. Pervasive calcite veining.							
						DK	GY	---	SER	2I	--	0
						DK	GN					
457.50	460.23	2.73	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite-schist. Minor quartz-moly seams at 2-3 per metre. Last 30 centimetres are strongly sericite altered.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
						DK	GY	FO	SER	3I	--	0
						LT	GN					
460.23	462.67	2.44	GRD	MG	Moderately to strongly potassic altered/flooded granodiorite. Light pink to light green with sericite overprinting potassic?! Local molybdenite blebs/veins up to 0.5 centimetre found locally. Best molybdenite associated with potassium feldspar flooding/alteration (B-veins)							
						LT	PK	XL	POT	3I	mo	0.5
						MD	GY		SER	2I		
						MD	GN		PRO	2I		
462.67	466.01	3.34	HBS	FG	Well foliated, moderately to strongly silicified with local weakly sericite altered interval for first 20 centimetres at top contact. Trace molybdenite hosted in quartz seams (b-veins?).							
						DK	GY	FO	SER	1I	--	0
						DK	GN		SIL	3I		
						LT	GY					
466.01	466.58	0.57	FAP	CG	Dark green-grey quartz-feldspar porphyry with pervasive calcite veining.							
						DK	GY					
						DK	GN	---	---	--	--	0
466.58	467.24	0.66	QBS	FG	Very strongly silicified, well foliated, dark grey biotite schist. Quartz veinlets with potassium feldspar host blebby molybdenite (B-veins). At bottom, contact a 0.5 centimetre semi-massive molybdenite-quartz vein (B-vein?).							
									POT	2I		
						DK	GY	FO	SIL	5I	mo	0.01
467.24	467.55	0.31	FAP	CG	Dark grey-green quartz-feldspar porphyritic dyke with pervasive calcite veining.							
						DK	GY	---	---	--	--	0
						DK	GN					
467.55	469.25	1.70	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite-schist. Strongly silicified zones hosting moly seams at 2 per metre. Strongly silicified at contact with granodiorite over 70 centimetres.							
						DK	GY	FO	SIL	3I	--	0
						DK	GN		CHL	2I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
469.25	471.84	2.59	GRD	MG	Moderately propylitic altered granodiorite. Medium grey, medium grained with chlorite sutures with or without moly and with potassium feldspar selvages (B-veins).							
						LT	PK		POT	1I		
						MD	GY	XL	PRO	3I	mo	0.1
471.84	475.25	3.41	HBS	FG	Well foliated, fine grained, dark grey-purple to light grey hornfels-biotite-schist. A 20 centimetre interval of strong sericite altered schist near vein/clay altered zone in centre of interval with trace blebby molybdenite (D-vein/structure).							
						DK	GY	FO	SER	2I	--	0
						DK	PU		CLY	1I		
						LT	GY					
						LT	GN					
475.25	477.46	2.21	GRD	MG	Medium grey to light pink, moderately potassic altered granodiorite. Minor zones with potassium feldspar flooding/very strong potassium feldspar alteration hosting blebby molybdenite up to 0.3 by 0.3 centimetres (hosted in B-veins).							
						MD	GY	XL	POT	3I	mo	0.1
						LT	PK					
477.46	480.51	3.05	HBS	FG	Strongly silicified with potassic feldspar flooding with quartz, weakly sericite altered locally and well foliated hornfels-biotite schist. Blebby molybdenite up to 0.5 x 0.5 centimetres in quartz vein.							
						DK	PU					
						DK	GY	FO	SIL	3I	mo	0.01
						LT	GY					
480.51	482.60	2.09	GRD	MG	Strongly propylitic altered, medium grey-green granodiorite. Weak to moderate potassic altered with minor potassic feldspar flooding. Trace chalcopyrite-chlorite veins and chlorite-sutured molybdenite veins with potassium feldspar selvages (B-veins).							
						LT	PK		POT	2I		
						LT	GY	XL	PRO	4I	mo	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
482.60	487.98	5.38	HBS	FG	Dark grey-purple-green to light grey, well foliated, moderately chlorite and sericite altered hornfels-biotite-schist. Minor quartz seams cutting obliquely to foliation host trace molybdenite. Chlorite altered zone has light green quartz flooding? With pyrrhotite (blebby) over last 15 centimetres of interval. Minor clay alteration for last 30 centimetres of interval before contact.							
						DK	GY	FO	SER	3I	mo	0.01
						DK	PU		CHL	3I	Po	0.1
						DK	GN					
						LT	GY					
487.98	494.14	6.16	FFP	CG	Moderately to strongly clay, propylitic and sericite altered felsic feldspar porphry dyke. Medium to dark green to dark grey with minor molybdenite found in clay altered rubble (Fault controlled D-veins).							
						MD	GN		PRO	3I		
						DK	GN	---	CLY	3I	--	0
						DK	GY		SER	3I		
494.14	499.92	5.78	HBS	FG	Moderately oxidized, weakly clay and very strongly silica altered, medium grey to dark grey to medium green, well foliated hornfels-biotite-schist. Moderate quartz-flooded areas (up to 20 centimetres) with pervasive chlorite sutured-potassium feldspar veins (B-Veins) at 3 per metre.							
						MD	GN		SIL	4I		
						DK	GY		CLY	2I		
						MD	GY	FO	OXI	3I	--	0
499.92	501.70	1.78	FAP	CG	Dark green to grey, quartz-feldspar porphyry dyke with biotite flakes. Calcite veining pervasive.							
						DK	GN	---	---	--	--	0
						DK	GY	---				

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From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0	0	0.00	0	--	--	--	
3.05	3.96	0.91	0.73	80	0.00	0	0R	--	2W	
3.96	6.10	2.14	1.9	89	0.00	0	0R	--	3W	
6.10	9.14	3.04	2.57	85	0.00	0	0R	--	3W	
9.14	12.19	3.05	2.5	82	0.00	0	1R	--	4W	
12.19	14.93	2.74	2.74	100	0.00	0	0R	--	4W	
14.93	16.46	1.53	1.25	82	0.00	0	0R	--	4W	
16.46	19.51	3.05	3.05	100	1.57	51	0R	--	2W	
19.51	22.56	3.05	3.05	100	2.24	73	0R	--	2W	
22.56	24.38	1.82	1.82	100	1.16	64	0R	--	2W	
24.38	27.43	3.05	2.7	89	1.01	33	0R	--	1W	
27.43	30.48	3.05	3.05	100	0.79	26	0R	--	1W	
30.48	33.53	3.05	3.05	100	0.57	19	0R	--	1W	
33.53	36.58	3.05	3.05	100	1.31	43	0R	--	3W	
36.58	38.71	2.13	2.13	100	0.30	14	0R	--	2W	
38.71	40.54	1.83	1.83	100	0.36	20	0R	--	1W	
40.54	42.67	2.13	2.13	100	0.76	36	0R	--	1W	
42.67	45.72	3.05	3.05	100	2.12	70	0R	--	1W	
45.72	48.77	3.05	3.05	100	1.46	48	0R	--	1W	
48.77	51.81	3.04	2.58	85	0.13	4	0R	--	3W	
51.81	54.86	3.05	2.08	68	0.11	4	0R	--	1W	
54.86	57.91	3.05	2.77	91	0.86	28	0R	--	2W	
57.91	60.96	3.05	3.05	100	1.19	39	1R	--	3W	
60.96	64.01	3.05	3.05	100	1.63	53	0R	--	2W	
64.01	67.06	3.05	3.05	100	2.05	67	0R	--	2W	
67.06	70.10	3.04	3.04	100	1.53	50	0R	--	2W	
70.10	73.15	3.05	3.05	100	2.09	69	0R	--	2W	
73.15	76.20	3.05	3.05	100	2.18	71	0R	--	1W	
76.20	79.25	3.05	3.05	100	1.83	60	0R	--	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
79.25	82.30	3.05	3.05	100	1.73	57	1R	--	3W	
82.30	85.34	3.04	2.8	92	1.87	62	1R	--	4W	
85.34	88.39	3.05	2.74	90	1.13	37	2R	--	4W	
88.39	91.44	3.05	3.05	100	2.25	74	1R	--	2W	
91.44	94.49	3.05	3.05	100	2.03	67	1R	--	3W	
94.49	97.54	3.05	3.05	100	1.79	59	2R	--	3W	
97.54	100.58	3.04	3.04	100	2.66	88	0R	--	2W	
100.58	103.63	3.05	3.05	100	2.41	79	0R	--	1W	
103.63	106.68	3.05	3.05	100	1.71	56	0R	--	1W	
106.68	109.73	3.05	3.05	100	2.15	70	0R	--	1W	
109.73	112.78	3.05	3.05	100	1.86	61	0R	--	1W	
112.78	115.82	3.04	3.04	100	1.50	49	0R	--	2W	
115.82	118.26	2.44	2.44	100	1.14	47	0R	--	1W	
118.26	120.40	2.14	2.14	100	0.46	21	0R	--	1W	
120.40	121.92	1.52	1.52	100	0.44	29	0R	--	1W	
121.92	124.97	3.05	3.05	100	2.28	75	1R	--	--	
124.97	128.02	3.05	3.05	100	2.34	77	0R	--	1W	
128.02	131.06	3.04	3.04	100	1.89	62	1R	--	3W	
131.06	134.12	3.06	3.06	100	1.61	53	1R	--	3W	
134.12	137.16	3.04	3.04	100	2.34	77	0R	--	1W	
137.16	140.21	3.05	3.05	100	2.11	69	0R	--	1W	
140.21	143.26	3.05	3.05	100	2.41	79	1R	--	3W	
143.26	146.30	3.04	3.04	100	1.26	41	1R	--	3W	
146.30	147.52	1.22	1.22	100	0.11	9	2R	--	3W	
147.52	150.26	2.74	2.74	100	0.85	31	1R	--	3W	
150.26	153.00	2.74	2.25	82	0.10	4	0R	--	4W	
153.00	154.83	1.83	1.83	100	0.59	32	0R	--	4W	
154.83	157.88	3.05	3.05	100	2.20	72	0R	--	1W	
157.88	160.32	2.44	2.23	91	0.78	32	0R	--	2W	
160.32	161.84	1.52	1.52	100	0.11	7	0R	--	2W	
161.84	164.59	2.75	2.75	100	1.51	55	0R	--	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
164.59	167.64	3.05	2.88	94	1.40	46	0R	--	1W	
167.64	170.69	3.05	3.05	100	2.24	73	0R	--	2W	
170.69	173.74	3.05	3.05	100	1.75	57	0R	--	3W	
173.74	176.78	3.04	3.04	100	1.93	63	0R	--	3W	
176.78	178.61	1.83	1.83	100	0.11	6	0R	--	3W	
178.61	181.66	3.05	3.05	100	2.40	79	0R	--	2W	
181.66	184.71	3.05	3.05	100	2.00	66	1R	--	3W	
184.71	185.93	1.22	1.22	100	0.69	57	0R	--	2W	
185.93	188.98	3.05	3.05	100	2.12	70	0R	--	4W	
188.98	191.41	2.43	2.3	95	0.36	15	0R	--	4W	
191.41	194.46	3.05	3.05	100	1.14	37	0R	--	3W	
194.46	197.51	3.05	3.05	100	2.33	76	0R	--	2W	
197.51	200.56	3.05	3.05	100	1.94	64	2R	--	3W	
200.56	203.60	3.04	3.04	100	2.05	67	1R	--	3W	
203.60	206.65	3.05	3.05	100	2.18	71	1R	--	2W	
206.65	209.70	3.05	3.05	100	2.52	83	1R	--	3W	
209.70	211.84	2.14	1.9	89	1.50	70	1R	--	3W	
211.84	213.05	1.21	1.21	100	0.97	80	0R	--	1W	
213.05	216.10	3.05	3.05	100	2.21	72	1R	--	3W	
216.10	217.93	1.83	1.83	100	0.75	41	0R	--	4W	
217.93	219.45	1.52	1.52	100	0.76	50	0R	--	3W	
219.45	221.58	2.13	2.01	94	1.02	48	0R	--	2W	
221.58	223.72	2.14	1.95	91	0.47	22	0R	--	3W	
223.72	225.24	1.52	1.52	100	0.40	26	0R	--	3W	
225.24	227.38	2.14	1.95	91	0.84	39	0R	--	2W	
227.38	230.42	3.04	2.9	95	1.55	51	0R	--	3W	
230.42	233.47	3.05	2.87	94	1.84	60	0R	--	1W	
233.47	235.00	1.53	1.53	100	0.35	23	0R	--	2W	
235.00	237.44	2.44	2.44	100	1.54	63	0R	--	3W	
237.44	238.65	1.21	0.91	75	0.33	27	0R	--	3W	
238.65	241.70	3.05	3.05	100	2.12	70	1R	--	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
241.70	242.92	1.22	1.22	100	0.84	69	0R	--	1W	
242.92	245.97	3.05	3.05	100	1.70	56	0R	--	1W	
245.97	248.41	2.44	2.44	100	1.84	75	0R	--	2W	
248.41	251.46	3.05	3.05	100	2.36	77	0R	--	2W	
251.46	254.50	3.04	3.04	100	2.54	84	0R	--	1W	
254.50	256.03	1.53	1.53	100	1.06	69	0R	--	1W	
256.03	259.08	3.05	3.05	100	2.11	69	0R	--	2W	
259.08	262.12	3.04	3.04	100	2.70	89	0R	--	1W	
262.12	265.17	3.05	3.05	100	1.95	64	0R	--	2W	
265.17	266.39	1.22	1.22	100	0.47	39	0R	--	2W	
266.39	268.22	1.83	1.83	100	0.46	25	0R	--	1W	
268.22	271.27	3.05	3.05	100	1.69	55	0R	--	1W	
271.27	273.71	2.44	2.44	100	2.03	83	0R	--	1W	
273.71	275.53	1.82	1.82	100	1.48	81	0R	--	1W	
275.53	277.36	1.83	1.83	100	1.09	60	0R	--	1W	
277.36	279.19	1.83	1.83	100	0.73	40	0R	--	1W	
279.19	281.33	2.14	2.14	100	0.78	36	0R	--	1W	
281.33	283.46	2.13	2.13	100	1.73	81	0R	--	1W	
283.46	286.51	3.05	3.05	100	1.55	51	0R	--	1W	
286.51	289.56	3.05	3.05	100	1.81	59	1R	--	1W	
289.56	292.60	3.04	3.04	100	1.96	64	0R	--	1W	
292.60	295.66	3.06	3.06	100	1.87	61	0R	--	1W	
295.66	298.70	3.04	3.04	100	1.84	61	0R	--	1W	
298.70	299.62	0.92	0.59	64	0.13	14	0R	--	4W	
299.62	302.67	3.05	3.05	100	2.03	67	0R	--	1W	
302.67	304.80	2.13	2.13	100	1.88	88	0R	--	1W	
304.80	307.84	3.04	3.04	100	1.93	63	0R	--	1W	
307.84	309.68	1.84	1.84	100	0.73	40	0R	--	2W	
309.68	312.72	3.04	3.04	100	1.56	51	0R	--	2W	
312.72	315.77	3.05	3.05	100	2.00	66	0R	--	1W	
315.77	318.82	3.05	3.05	100	1.43	47	0R	--	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
318.82	321.87	3.05	3.05	100	1.26	41	0R	--	2W	
321.87	323.70	1.83	1.83	100	0.22	12	0R	--	4W	
323.70	326.13	2.43	2.43	100	1.40	58	0R	--	2W	
326.13	329.18	3.05	3.05	100	2.49	82	0R	--	1W	
329.18	332.23	3.05	3.05	100	2.13	70	0R	--	1W	
332.23	335.28	3.05	3.05	100	2.15	70	0R	--	1W	
335.28	338.33	3.05	3.05	100	1.72	56	0R	--	1W	
338.33	341.38	3.05	3.05	100	1.45	48	0R	--	1W	
341.38	344.12	2.74	2.74	100	2.20	80	0R	--	2W	
344.12	347.17	3.05	3.05	100	2.59	85	0R	--	2W	
347.17	350.20	3.03	3.03	100	2.59	85	0R	--	1W	
350.20	352.65	2.45	2.43	99	1.84	75	0R	--	1W	
352.65	353.57	0.92	0.92	100	0.66	72	0R	--	2W	
353.57	356.01	2.44	2.18	89	1.30	53	0R	--	3W	
356.01	357.23	1.22	0.86	70	0.00	0	0R	--	3W	
357.23	359.66	2.43	2.43	100	1.57	65	0R	--	3W	
359.66	362.71	3.05	3.05	100	2.48	81	0R	--	2W	
362.71	365.76	3.05	3.05	100	2.57	84	0R	--	2W	
365.76	368.61	2.85	2.82	99	1.87	66	0R	--	2W	
368.61	371.86	3.25	3.05	94	2.62	81	0R	--	2W	
371.86	374.90	3.04	3.04	100	2.52	83	0R	--	2W	
374.90	377.95	3.05	3.05	100	1.96	64	0R	--	4W	
377.95	381.00	3.05	3.05	100	2.95	97	0R	--	2W	
381.00	384.05	3.05	2.73	90	1.82	60	0R	--	2W	
384.05	387.10	3.05	3.05	100	1.95	64	0R	--	2W	
387.10	390.14	3.04	2.83	93	1.47	48	0R	--	2W	
390.14	392.89	2.75	2.58	94	1.45	53	0R	--	2W	
392.89	393.19	0.30	0.3	100	0.00	0	0R	--	1W	
393.19	396.85	3.66	3.5	96	2.32	63	0R	--	1W	
396.85	399.29	2.44	2.44	100	1.90	78	0R	--	1W	
399.29	402.34	3.05	3.05	100	1.48	49	1R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
402.34	405.38	3.04	3.04	100	1.14	38	1R	--	2W	
405.38	408.32	2.94	2.94	100	2.09	71	0R	--	1W	
408.32	410.87	2.55	2.37	93	1.32	52	0R	--	1W	
410.87	411.48	0.61	0.44	72	0.00	0	0R	--	2W	
411.48	414.53	3.05	3.05	100	1.53	50	0R	--	1W	
414.53	417.58	3.05	3.05	100	2.13	70	0R	--	2W	
417.58	420.62	3.04	3.04	100	2.68	88	0R	--	2W	
420.62	423.67	3.05	2.6	85	0.84	28	0R	--	1W	
423.67	426.72	3.05	2.69	88	0.92	30	0R	--	1W	
426.72	429.77	3.05	3.05	100	1.42	47	2R	--	1W	
429.77	432.82	3.05	3.05	100	1.98	65	0R	--	1W	
432.82	434.07	1.25	1.02	82	0.38	30	0R	--	1W	
434.07	437.08	3.01	3.01	100	2.05	68	0R	--	1W	
437.08	440.13	3.05	3.05	100	1.93	63	2R	--	3W	
440.13	443.18	3.05	3.05	100	2.68	88	0R	--	1W	
443.18	445.01	1.83	1.83	100	1.18	64	0R	--	1W	
445.01	448.06	3.05	3.05	100	2.56	84	0R	--	2W	
448.06	451.10	3.04	3.04	100	2.35	77	0R	--	1W	
451.10	454.15	3.05	3.05	100	1.78	58	0R	--	1W	
454.15	456.28	2.13	2.13	100	0.84	39	0R	--	2W	
456.28	459.33	3.05	3.05	100	1.87	61	0R	--	1W	
459.33	459.63	0.30	0.3	100	0.21	70	0R	--	1W	
459.63	462.68	3.05	2.8	92	1.76	58	0R	--	1W	
462.68	464.21	1.53	1.53	100	0.90	59	0R	--	1W	
464.21	466.34	2.13	2.13	100	0.61	29	0R	--	1W	
466.34	469.39	3.05	3.05	100	1.87	61	0R	--	1W	
469.39	472.44	3.05	3.05	100	2.22	73	0R	--	1W	
472.44	475.48	3.04	3.04	100	1.71	56	0R	--	1W	
475.48	478.23	2.75	2.75	100	1.52	55	0R	--	1W	
478.23	480.06	1.83	1.83	100	1.44	79	0R	--	1W	
480.06	480.66	0.60	0.6	100	0.31	52	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
480.66	483.71	3.05	3.05	100	2.13	70	0R	--	1W	
483.71	486.76	3.05	3.05	100	2.10	69	0R	--	1W	
486.76	487.98	1.22	1.22	100	0.76	62	0R	--	1W	
487.98	489.81	1.83	1.24	68	0.00	0	1R	--	1W	
489.81	491.64	1.83	1.83	100	0.25	14	0R	--	1W	
491.64	493.78	2.14	2.14	100	0.61	29	0R	--	2W	
493.78	496.82	3.04	3.04	100	1.36	45	2R	--	3W	
496.82	498.65	1.83	1.83	100	0.65	36	0R	--	2W	
498.65	501.70	3.05	2.61	86	1.44	47	1R	--	3W	

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	R608268	☐	15-016	p/b	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608380	☐	15-019	g/o/d	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608376	☐	15-019	g/o/d		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608371	☐	15-019	g/o/d		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608360	☐	15-019	g/o/d	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608338	☐	15-018	y/b	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608330	☐	15-018	y/b		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608323	☐	15-018	y/b	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608316	☐	15-018	y/b		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608307	☐	15-017	o/b/d	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608303	☐	15-017	o/b/d		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608300	☐	15-017	o/b/d	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500437	☐	15-013	pink	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608276	☐	15-016	p/b		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500496	☐	15-014	B/W		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500445	☐	15-013	pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500451	☐	15-013	pink	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500461	☐	15-013	pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500474	☐	15-014	B/W	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608293	☐	15-017	o/b/d		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R500481	☐	15-014	B/W	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608210	☐	15-015	green	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608218	☐	15-015	green		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608220	☐	15-015	green	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608230	☐	15-015	green		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608254	☐	15-016	p/b	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608261	☐	15-016	p/b		☑	☐	☐

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	R500478	☐	15-014	B/W		☑	☐	☐
4.62	7.62	3.00	HBS, SKN	3.00	100	R500428	☐	15-012	orangy		☐	☐	☐
7.62	10.62	3.00	HBS	2.62	87	R500429	☐	15-012	orangy		☐	☐	☐
10.62	13.62	3.00	HBS	2.58	86	R500430	☐	15-012	orangy		☐	☐	☐
13.62	16.62	3.00	HBS	2.93	98	R500431	☐	15-012	orangy		☐	☐	☐
16.62	18.40	1.78	HBS	1.74	98	R500432	☐	15-012	orangy		☐	☐	☐
18.40	20.80	2.40	HBS	2.40	100	R500433	☐	15-013	pink		☐	☐	☐
20.80	22.94	2.14	HBS, CSL	2.14	100	R500434	☐	15-013	pink		☐	☐	☐
22.94	25.94	3.00	HBS, CSL	3.00	100	R500435	☐	15-013	pink		☐	☐	☐
25.94	28.94	3.00	HBS	3.00	100	R500436	☐	15-013	pink		☐	☐	☐
28.94	31.94	3.00	HBS	3.00	100	R500438	☐	15-013	pink		☐	☐	☐
31.94	33.04	1.10	HBS	1.10	100	R500439	☐	15-013	pink		☐	☐	☐
31.94	33.04	1.10	HBS	1.10	100	R500440	☐	15-013	pink		☐	☐	☑
33.04	36.04	3.00	HBS, SKN	3.00	100	R500441	☐	15-013	pink		☐	☐	☐
36.04	39.09	3.05	SKN	2.86	94	R500442	☐	15-013	pink		☐	☐	☐
39.09	41.49	2.40	SKN	2.40	100	R500443	☐	15-013	pink		☐	☐	☐
41.49	43.23	1.74	SKN	1.74	100	R500444	☐	15-013	pink		☐	☐	☐
43.23	45.72	2.49	SKN	2.49	100	R500446	☐	15-013	pink		☐	☐	☐
45.72	48.14	2.42	SKN	2.42	100	R500447	☐	15-013	pink		☐	☐	☐
48.14	50.00	1.86	SKN, HBS	1.72	92	R500448	☐	15-013	pink		☐	☐	☐
50.00	52.10	2.10	HBS	1.61	77	R500449	☐	15-013	pink		☐	☐	☐
52.10	55.10	3.00	HBS	1.90	63	R500450	☐	15-013	pink		☐	☐	☐
55.10	57.86	2.76	HBS	2.56	93	R500452	☐	15-013	pink		☐	☐	☐
57.86	59.85	1.99	HBS	1.67	84	R500453	☐	15-013	pink		☐	☐	☐
59.85	62.85	3.00	HBS	3.00	100	R500454	☐	15-013	pink		☐	☐	☐
62.85	65.85	3.00	HBS	3.00	100	R500455	☐	15-013	pink		☐	☐	☐

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
65.85	68.85	3.00	HBS	3.00	100	R500456	☐	15-013	pink		☐	☐	☐
68.85	71.85	3.00	HBS	3.00	100	R500457	☐	15-013	pink		☐	☐	☐
71.85	74.00	2.15	HBS	2.15	100	R500458	☐	15-013	pink		☐	☐	☐
71.85	74.00	2.15	HBS	2.15	100	R500459	☐	15-013	pink		☐	☑	☐
74.00	75.58	1.58	SKN, HBS	1.58	100	R500460	☐	15-013	pink		☐	☐	☐
75.58	78.58	3.00	SKN, FFP	3.00	100	R500462	☐	15-013	pink		☐	☐	☐
78.58	80.48	1.90	FFP	1.90	100	R500463	☐	15-013	pink		☐	☐	☐
80.48	82.29	1.81	FFP	1.81	100	R500464	☐	15-013	pink		☐	☐	☐
82.29	83.92	1.63	FFP	1.63	100	R500465	☐	15-013	pink		☐	☐	☐
83.92	84.56	0.64	FFP	0.64	100	R500466	☐	15-013	pink		☐	☐	☐
84.56	87.20	2.64	FFP	2.57	97	R500467	☐	15-013	pink		☐	☐	☐
87.20	88.79	1.59	FFP	1.59	100	R500468	☐	15-013	pink		☐	☐	☐
88.79	90.98	2.19	AND, FFP	2.19	100	R500469	☐	15-014	B/W		☐	☐	☐
90.98	93.03	2.05	AND	2.05	100	R500470	☐	15-014	B/W		☐	☐	☐
93.03	94.42	1.39	AND	1.39	100	R500471	☐	15-014	B/W		☐	☐	☐
94.42	97.47	3.05	FFP	3.00	98	R500472	☐	15-014	B/W		☐	☐	☐
97.47	100.47	3.00	FFP	3.00	100	R500473	☐	15-014	B/W		☐	☐	☐
100.47	103.47	3.00	FFP	3.00	100	R500475	☐	15-014	B/W		☐	☐	☐
103.47	106.47	3.00	FFP	3.00	100	R500476	☐	15-014	B/W		☐	☐	☐
106.47	109.20	2.73	FFP	2.73	100	R500477	☐	15-014	B/W		☐	☐	☐
109.20	112.20	3.00	FFP	3.00	100	R500479	☐	15-014	B/W		☐	☐	☐
112.20	115.20	3.00	FFP	3.00	100	R500480	☐	15-014	B/W		☐	☐	☐
115.20	118.20	3.00	FFP	3.00	100	R500482	☐	15-014	B/W		☐	☐	☐
118.20	121.20	3.00	FFP	3.00	100	R500483	☐	15-014	B/W		☐	☐	☐
121.20	124.20	3.00	FFP	3.00	100	R500484	☐	15-014	B/W		☐	☐	☐
124.20	127.20	3.00	FFP	3.00	100	R500485	☐	15-014	B/W		☐	☐	☐
124.20	127.20	3.00	FFP	3.00	100	R500486	☐	15-014	B/W		☐	☐	☑

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
127.20	129.05	1.85	FFP	1.85	100	R500487	☐	15-014	B/W		☐	☐	☐
129.05	131.14	2.09	FFP	2.09	100	R500488	☐	15-014	B/W		☐	☐	☐
131.14	132.51	1.37	HBS, FFP	1.37	100	R500489	☐	15-014	B/W		☐	☐	☐
132.51	135.51	3.00	FFP	3.00	100	R500490	☐	15-014	B/W		☐	☐	☐
132.51	135.51	3.00	FFP	3.00	100	R500491	☐	15-014	B/W		☐	☑	☐
135.51	138.51	3.00	HBS	3.00	100	R500492	☐	15-014	B/W		☐	☐	☐
138.51	140.51	2.00	HBS	2.00	100	R500493	☐	15-014	B/W		☐	☐	☐
140.51	141.51	1.00	HBS	1.00	100	R500494	☐	15-014	B/W		☐	☐	☐
141.51	142.51	1.00	HBS	1.00	100	R500495	☐	15-014	B/W		☐	☐	☐
142.51	143.51	1.00	HBS	1.00	100	R500497	☐	15-014	B/W		☐	☐	☐
143.51	146.51	3.00	HBS	3.00	100	R500498	☐	15-014	B/W		☐	☐	☐
146.51	148.48	1.97	HBS	1.97	100	R500499	☐	15-014	B/W		☐	☐	☐
148.48	151.48	3.00	FFP	3.00	100	R500500	☐	15-014	B/W		☐	☐	☐
151.48	153.71	2.23	FFP	1.98	89	R608201	☐	15-014	B/W		☐	☐	☐
153.71	156.71	3.00	FFP	3.00	100	R608202	☐	15-014	B/W		☐	☐	☐
156.71	159.06	2.35	FFP	2.20	94	R608203	☐	15-014	B/W		☐	☐	☐
159.06	162.06	3.00	FFP, HBS	2.81	94	R608204	☐	15-014	B/W		☐	☐	☐
162.06	165.01	2.95	HBS	2.85	97	R608205	☐	15-015	green		☐	☐	☐
165.01	167.41	2.40	HBS, SKN	2.30	96	R608206	☐	15-015	green		☐	☐	☐
167.41	169.90	2.49	SKN	2.49	100	R608207	☐	15-015	green		☐	☐	☐
169.90	172.46	2.56	QBS, SKN	2.56	100	R608208	☐	15-015	green		☐	☐	☐
172.46	175.04	2.58	QBS	2.48	96	R608209	☐	15-015	green		☐	☐	☐
175.04	177.29	2.25	QBS, SKN	2.25	100	R608211	☐	15-015	green		☐	☐	☐
177.29	179.51	2.22	HBS, FFP	2.22	100	R608212	☐	15-015	green		☐	☐	☐
179.51	181.64	2.13	SKN, HBS	2.13	100	R608213	☐	15-015	green		☐	☐	☐

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
179.51	181.64	2.13	SKN, HBS	2.13	100	R608214	☐	15-015	green		☐	☐	☑
181.64	183.53	1.89	SKN	1.89	100	R608215	☐	15-015	green		☐	☐	☐
183.53	186.10	2.57	SKN	2.57	100	R608216	☐	15-015	green		☐	☐	☐
186.10	187.87	1.77	SKN	1.77	100	R608217	☐	15-015	green		☐	☐	☐
187.87	189.31	1.44	SKN	1.21	84	R608219	☐	15-015	green		☐	☐	☐
189.31	192.26	2.95	FFP	2.59	88	R608221	☐	15-015	green		☐	☐	☐
192.26	193.26	1.00	FFP, QBS	1.00	100	R608222	☐	15-015	green		☐	☐	☐
193.26	195.71	2.45	FFP	2.45	100	R608223	☐	15-015	green		☐	☐	☐
195.71	196.97	1.26	QBS	1.26	100	R608224	☐	15-015	green		☐	☐	☐
196.97	198.87	1.90	QBS, SKN	1.90	100	R608225	☐	15-015	green		☐	☐	☐
198.87	200.97	2.10	SKN	2.10	100	R608226	☐	15-015	green		☐	☐	☐
200.97	202.52	1.55	SKN	1.55	100	R608227	☐	15-015	green		☐	☐	☐
202.52	204.30	1.78	SKN	1.78	100	R608228	☐	15-015	green		☐	☐	☐
204.30	205.58	1.28	SKN	1.28	100	R608229	☐	15-015	green		☐	☐	☐
205.58	207.00	1.42	SKN	1.42	100	R608231	☐	15-015	green		☐	☐	☐
207.00	209.40	2.40	SKN	2.40	100	R608232	☐	15-015	green		☐	☐	☐
209.40	210.40	1.00	SKN	1.00	100	R608233	☐	15-015	green		☐	☐	☐
210.40	211.40	1.00	SKN, HBS	1.00	100	R608234	☐	15-015	green		☐	☐	☐
211.40	214.40	3.00	HBS	3.00	100	R608235	☐	15-015	green		☐	☐	☐
211.40	214.40	3.00	HBS	3.00	100	R608236	☐	15-015	green		☐	☑	☐
214.40	217.40	3.00	HBS	3.00	100	R608237	☐	15-015	green		☐	☐	☐
217.40	220.40	3.00	HBS	3.00	100	R608238	☐	15-015	green		☐	☐	☐
220.40	222.74	2.34	HBS	2.34	100	R608239	☐	15-015	green		☐	☐	☐
222.74	225.74	3.00	HBS, FFP	3.00	100	R608240	☐	15-015	green		☐	☐	☐
225.74	228.22	2.48	HBS	2.48	100	R608241	☐	15-016	p/b		☐	☐	☐

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
228.22	231.22	3.00	FFP, HBS	3.00	100	R608242	☐	15-016	p/b		☐	☐	☐
231.22	233.47	2.25	FFP	2.25	100	R608243	☐	15-016	p/b		☐	☐	☐
233.47	235.30	1.83	FFP	1.83	100	R608244	☐	15-016	p/b		☐	☐	☐
235.30	238.06	2.76	QBS, FFP	2.76	100	R608245	☐	15-016	p/b		☐	☐	☐
238.06	241.06	3.00	SKN, QBS	3.00	100	R608246	☐	15-016	p/b		☐	☐	☐
238.06	241.06	3.00	SKN, QBS	3.00	100	R608247	☐	15-016	p/b		☐	☐	☑
241.06	243.63	2.57	SKN	2.57	100	R608248	☐	15-016	p/b		☐	☐	☐
243.63	246.33	2.70	SKN, FFP	2.70	100	R608249	☐	15-016	p/b		☐	☐	☐
246.33	249.23	2.90	FFP	2.90	100	R608250	☐	15-016	p/b		☐	☐	☐
249.23	251.92	2.69	FFP	2.69	100	R608251	☐	15-016	p/b		☐	☐	☐
251.92	254.00	2.08	AND, FFP	2.08	100	R608252	☐	15-016	p/b		☐	☐	☐
254.00	256.08	2.08	FFP	2.08	100	R608253	☐	15-016	p/b		☐	☐	☐
256.08	258.19	2.11	FFP, AND	2.11	100	R608255	☐	15-016	p/b		☐	☐	☐
258.19	259.31	1.12	AND, QBS	1.12	100	R608256	☐	15-016	p/b		☐	☐	☐
259.31	262.00	2.69	QBS	2.69	100	R608257	☐	15-016	p/b		☐	☐	☐
262.00	264.87	2.87	QBS	2.87	100	R608258	☐	15-016	p/b		☐	☐	☐
264.87	267.34	2.47	QBS, FAP	2.47	100	R608259	☐	15-016	p/b		☐	☐	☐
267.34	269.75	2.41	QBS, GRD	2.41	100	R608260	☐	15-016	p/b		☐	☐	☐
269.75	272.74	2.99	GRD	2.99	100	R608262	☐	15-016	p/b		☐	☐	☐
272.74	275.74	3.00	QBS, GRD	3.00	100	R608263	☐	15-016	p/b		☐	☐	☐
272.74	275.74	3.00	QBS, GRD	3.00	100	R608264	☐	15-016	p/b		☐	☑	☐
275.74	278.74	3.00	QBS	3.00	100	R608265	☐	15-016	p/b		☐	☐	☐

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
278.74	281.74	3.00	QBS	3.00	100	R608266	☐	15-016	p/b		☐	☐	☐
281.74	284.74	3.00	QBS	3.00	100	R608267	☐	15-016	p/b		☐	☐	☐
284.74	287.74	3.00	QBS	3.00	100	R608269	☐	15-016	p/b		☐	☐	☐
287.74	290.74	3.00	QBS	3.00	100	R608270	☐	15-016	p/b		☐	☐	☐
290.74	293.74	3.00	QBS	3.00	100	R608271	☐	15-016	p/b		☐	☐	☐
293.74	296.74	3.00	QBS	3.00	100	R608272	☐	15-016	p/b		☐	☐	☐
296.74	299.74	3.00	QBS	2.74	91	R608273	☐	15-016	p/b		☐	☐	☐
299.74	301.43	1.69	QBS	1.69	100	R608274	☐	15-016	p/b		☐	☐	☐
301.43	303.26	1.83	GRD, QBS	1.83	100	R608275	☐	15-016	p/b		☐	☐	☐
303.26	305.06	1.80	GRD	1.80	100	R608277	☐	15-017	o/b/d		☐	☐	☐
305.06	307.60	2.54	GRD	2.54	100	R608278	☐	15-017	o/b/d		☐	☐	☐
307.60	309.28	1.68	GRD, HBS	1.68	100	R608279	☐	15-017	o/b/d		☐	☐	☐
309.28	312.28	3.00	HBS	2.79	93	R608280	☐	15-017	o/b/d		☐	☐	☐
312.28	315.28	3.00	HBS	2.84	95	R608281	☐	15-017	o/b/d		☐	☐	☐
315.28	317.32	2.04	HBS	2.04	100	R608282	☐	15-017	o/b/d		☐	☐	☐
315.28	317.32	2.04	HBS	2.04	100	R608283	☐	15-017	o/b/d		☐	☑	☐
317.32	319.24	1.92	HBS	1.89	98	R608284	☐	15-017	o/b/d		☐	☐	☐
319.24	320.63	1.39	AND, HBS	1.39	100	R608285	☐	15-017	o/b/d		☐	☐	☐
320.63	322.08	1.45	QBS, AND	1.42	98	R608286	☐	15-017	o/b/d		☐	☐	☐
322.08	323.72	1.64	QBS	1.59	97	R608287	☐	15-017	o/b/d		☐	☐	☐
323.72	325.24	1.52	FFP, QBS	1.52	100	R608288	☐	15-017	o/b/d		☐	☐	☐
325.24	327.50	2.26	FFP, HBS	2.26	100	R608289	☐	15-017	o/b/d		☐	☐	☐
327.50	329.86	2.36	HBS	2.36	100	R608290	☐	15-017	o/b/d		☐	☐	☐
329.86	331.86	2.00	HBS	2.00	100	R608291	☐	15-017	o/b/d		☐	☐	☐
331.86	333.84	1.98	HBS, SKN	1.98	100	R608292	☐	15-017	o/b/d		☐	☐	☐

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
333.84	335.00	1.16	HBS, SKN	1.16	100	R608294	☐	15-017	o/b/d		☐	☐	☐
335.00	338.00	3.00	FFP, HBS	3.00	100	R608295	☐	15-017	o/b/d		☐	☐	☐
338.00	341.00	3.00	FFP	3.00	100	R608296	☐	15-017	o/b/d		☐	☐	☐
338.00	341.00	3.00	FFP	3.00	100	R608297	☐	15-017	o/b/d		☐	☐	☑
341.00	344.00	3.00	FFP	3.00	100	R608298	☐	15-017	o/b/d		☐	☐	☐
344.00	347.00	3.00	FFP	3.00	100	R608299	☐	15-017	o/b/d		☐	☐	☐
347.00	348.69	1.69	FFP	1.69	100	R608301	☐	15-017	o/b/d		☐	☐	☐
348.69	349.73	1.04	FFP	1.04	100	R608302	☐	15-017	o/b/d		☐	☐	☐
349.73	350.73	1.00	AND, FFP	1.00	100	R608304	☐	15-017	o/b/d		☐	☐	☐
350.73	353.10	2.37	FFP	2.37	100	R608305	☐	15-017	o/b/d		☐	☐	☐
353.10	356.10	3.00	HBS, QBS	3.00	100	R608306	☐	15-017	o/b/d		☐	☐	☐
356.10	359.10	3.00	HBS	2.42	81	R608308	☐	15-017	o/b/d		☐	☐	☐
359.10	361.90	2.80	HBS	2.80	100	R608309	☐	15-017	o/b/d		☐	☐	☐
361.90	364.90	3.00	HBS	3.00	100	R608310	☐	15-017	o/b/d		☐	☐	☐
364.90	367.90	3.00	HBS	2.87	96	R608311	☐	15-017	o/b/d		☐	☐	☐
367.90	370.42	2.52	HBS	2.52	100	R608312	☐	15-017	o/b/d		☐	☐	☐
370.42	371.42	1.00	HBS, GRD	1.00	100	R608313	☐	15-018	y/b		☐	☐	☐
371.42	374.42	3.00	HBS	3.00	100	R608314	☐	15-018	y/b		☐	☐	☐
374.42	375.80	1.38	HBS	1.38	100	R608315	☐	15-018	y/b		☐	☐	☐
375.80	378.56	2.76	HBS	2.76	100	R608317	☐	15-018	y/b		☐	☐	☐
378.56	381.56	3.00	HBS, DAC	3.00	100	R608318	☐	15-018	y/b		☐	☐	☐
381.56	383.10	1.54	DAC	1.54	100	R608319	☐	15-018	y/b		☐	☐	☐
383.10	385.20	2.10	DAC	1.62	77	R608320	☐	15-018	y/b		☐	☐	☐
385.20	388.20	3.00	GRD, DAC	3.00	100	R608321	☐	15-018	y/b		☐	☐	☐
388.20	391.30	3.10	GRD	3.10	100	R608322	☐	15-018	y/b		☐	☐	☐

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
391.30	394.45	3.15	GRD	3.15	100	R608324	☐	15-018	y/b		☐	☐	☐
394.45	397.53	3.08	GRD	3.08	100	R608325	☐	15-018	y/b		☐	☐	☐
397.53	400.50	2.97	HBS, GRD	2.72	92	R608326	☐	15-018	y/b		☐	☐	☐
400.50	402.15	1.65	HBS	1.65	100	R608327	☐	15-018	y/b		☐	☐	☐
402.15	403.15	1.00	HBS	1.00	100	R608328	☐	15-018	y/b		☐	☐	☐
403.15	404.15	1.00	HBS	1.00	100	R608329	☐	15-018	y/b		☐	☐	☐
404.15	405.20	1.05	QBS	1.05	100	R608331	☐	15-018	y/b		☐	☐	☐
405.20	407.10	1.90	FFP, QBS	1.90	100	R608332	☐	15-018	y/b		☐	☐	☐
405.20	407.10	1.90	FFP, QBS	1.90	100	R608333	☐	15-018	y/b		☐	☑	☐
407.10	409.37	2.27	FFP	2.27	100	R608334	☐	15-018	y/b		☐	☐	☐
409.37	410.37	1.00	FFP	1.00	100	R608335	☐	15-018	y/b		☐	☐	☐
410.37	411.37	1.00	SKN, HBS	1.00	100	R608336	☐	15-018	y/b		☐	☐	☐
411.37	412.37	1.00	HBS	1.00	100	R608337	☐	15-018	y/b		☐	☐	☐
412.37	413.56	1.19	HBS	1.19	100	R608339	☐	15-018	y/b		☐	☐	☐
413.56	416.56	3.00	HBS, GRD	3.00	100	R608340	☐	15-018	y/b		☐	☐	☐
413.56	416.56	3.00	HBS, GRD	3.00	100	R608341	☐	15-018	y/b		☐	☐	☑
416.56	419.15	2.59	GRD	2.59	100	R608342	☐	15-018	y/b		☐	☐	☐
419.15	420.62	1.47	AND, GRD	1.47	100	R608343	☐	15-018	y/b		☐	☐	☐
420.62	423.67	3.05	HBS, AND	2.60	85	R608344	☐	15-018	y/b		☐	☐	☐
423.67	426.41	2.74	HBS	2.74	100	R608345	☐	15-018	y/b		☐	☐	☐
426.41	429.43	3.02	HBS, SKN	3.02	100	R608346	☐	15-018	y/b		☐	☐	☐
429.43	432.00	2.57	SKN, HBS	2.57	100	R608347	☐	15-018	y/b		☐	☐	☐
432.00	434.00	2.00	HBS, GRD	2.00	100	R608348	☐	15-018	y/b		☐	☐	☐

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
434.00	435.96	1.96	GRD	1.96	100	R608349	☐	15-019	g/o/d		☐	☐	☐
435.96	437.80	1.84	GRD, HBS	1.84	100	R608350	☐	15-019	g/o/d		☐	☐	☐
437.80	439.14	1.34	HBS, GRD	1.34	100	R608351	☐	15-019	g/o/d		☐	☐	☐
439.14	441.50	2.36	HBS, GRD	2.36	100	R608352	☐	15-019	g/o/d		☐	☐	☐
441.50	443.40	1.90	HBS	1.90	100	R608353	☐	15-019	g/o/d		☐	☐	☐
443.40	446.38	2.98	FFP, HBS	2.98	100	R608354	☐	15-019	g/o/d		☐	☐	☐
443.40	446.38	2.98	FFP, HBS	2.98	100	R608355	☐	15-019	g/o/d		☐	☐	☑
446.38	448.96	2.58	FFP	2.58	100	R608356	☐	15-019	g/o/d		☐	☐	☐
448.96	451.27	2.31	QBS, FFP	2.31	100	R608357	☐	15-019	g/o/d		☐	☐	☐
451.27	454.00	2.73	FAP, QBS	2.73	100	R608358	☐	15-019	g/o/d		☐	☐	☐
454.00	455.00	1.00	HBS, FAP	1.00	100	R608359	☐	15-019	g/o/d		☐	☐	☐
455.00	457.50	2.50	FAP, HBS	2.50	100	R608361	☐	15-019	g/o/d		☐	☐	☐
457.50	460.23	2.73	HBS, FAP	2.73	100	R608362	☐	15-019	g/o/d		☐	☐	☐
460.23	462.67	2.44	HBS, GRD	2.19	90	R608363	☐	15-019	g/o/d		☐	☐	☐
462.67	466.01	3.34	GRD, HBS	3.34	100	R608364	☐	15-019	g/o/d		☐	☐	☐
466.01	469.25	3.24	HBS, FAP	3.24	100	R608365	☐	15-019	g/o/d		☐	☐	☐
466.01	469.25	3.24	HBS, FAP	3.24	100	R608366	☐	15-019	g/o/d		☐	☑	☐
469.25	471.84	2.59	GRD, HBS	2.59	100	R608367	☐	15-019	g/o/d		☐	☐	☐
471.84	475.25	3.41	HBS, GRD	3.41	100	R608368	☐	15-019	g/o/d		☐	☐	☐
475.25	477.46	2.21	GRD, HBS	2.21	100	R608369	☐	15-019	g/o/d		☐	☐	☐

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
477.46	480.51	3.05	HBS, GRD	3.05	100	R608370	☐	15-019	g/o/d		☐	☐	☐
480.51	482.60	2.09	HBS, GRD	2.09	100	R608372	☐	15-019	g/o/d		☐	☐	☐
482.60	485.66	3.06	GRD, HBS	3.06	100	R608373	☐	15-019	g/o/d		☐	☐	☐
485.66	487.98	2.32	HBS	2.32	100	R608374	☐	15-019	g/o/d		☐	☐	☐
487.98	491.58	3.60	FFP, HBS	3.27	91	R608375	☐	15-019	g/o/d		☐	☐	☐
491.58	493.78	2.20	FFP	2.20	100	R608377	☐	15-019	g/o/d		☐	☐	☐
493.78	496.82	3.04	FFP	2.90	95	R608378	☐	15-019	g/o/d		☐	☐	☐
496.82	498.91	2.09	HBS	2.09	100	R608379	☐	15-019	g/o/d		☐	☐	☐
498.91	499.92	1.01	HBS	1.01	100	R608381	☐	15-019	g/o/d		☐	☐	☐
499.92	501.70	1.78	FAP, HBS	1.78	100	R608382	☐	15-019	g/o/d		☐	☐	☐

Rockhaven RESOURCES LTD.

Hopper - Hopper

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397405	6797407	1362	432.81

ZONE: Hopper

SECTION:

HOLE: HOP-15-005

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth:

Drilling Dates: Jul 14 - Jul 19, 2015

Geology Logged By: A. Mitchell

SURVEY

Depth (m)	Azimuth	Dip	Method
-6.09	193.9	3.9	Ranger
414.52	111.6	-35.9	Ranger

TARGET:

SUMMARY

From (m)	To (m)	Interval (m)	Rock Type
0	1.44	1.44	OVB
1.44	24.23	22.79	PRO
24.23	26.61	2.38	HBS
26.61	26.94	0.33	AND
26.94	45.72	18.78	HBS
45.72	46.3	0.58	SKN
46.3	63.3	17	HBS
63.3	64.94	1.64	SKN
64.94	84.76	19.82	HBS
84.76	88.92	4.16	PRO
88.92	94.74	5.82	PRO
94.74	95.44	0.7	APL
95.44	96.67	1.23	HBS
96.67	99.44	2.77	PRO
99.44	103.36	3.92	HBS
103.36	106.39	3.03	SKN

SAMPLES

Numbers:	Q017751 to Q017856, R608383 to R608400
Total:	124
Batch:	019, 020, 021, 022, 023
Certificates:	WH15107971, WH15107973, WH15107977, WH15107981, WH15107983

COMMENTS

106.39	107.88	1.49	PRO
107.88	116.23	8.35	SKN
116.23	122.9	6.67	PRO
122.9	129.27	6.37	SKN
129.27	130.58	1.31	PRO
130.58	133.06	2.48	QBS
133.06	138.61	5.55	PRO
138.61	139.74	1.13	AND
139.74	161.54	21.8	PHC
161.54	163.04	1.5	FAP
163.04	191	27.96	PRO
191	191.75	0.75	HBS
191.75	195.89	4.14	PRO
195.89	196.29	0.4	SKN
196.29	197.08	0.79	PRO
197.08	200.18	3.1	SKN
200.18	203.24	3.06	PHC
203.24	212.53	9.29	SKN
212.53	215.03	2.5	SKN
215.03	220.62	5.59	SKN
220.62	221.89	1.27	PHC
221.89	225.01	3.12	BXA
225.01	225.97	0.96	PHC
225.97	230.18	4.21	BXA
230.18	231.01	0.83	PHC
231.01	232.48	1.47	PRO
232.48	237.98	5.5	PHC
237.98	239.85	1.87	PRO
239.85	240.67	0.82	SKN
240.67	242.72	2.05	PHC
242.72	244.95	2.23	PRO
244.95	245.64	0.69	FFP

245.64	247.56	1.92	PHC
247.56	249.44	1.88	PRO
249.44	249.88	0.44	FFP
249.88	250.73	0.85	PRO
250.73	256.58	5.85	PHC
256.58	257.67	1.09	PRO
257.67	262.11	4.44	PHC
262.11	263.73	1.62	FFP
263.73	267.59	3.86	PHC
267.59	268.77	1.18	PRO
268.77	271	2.23	FFP
271	273.43	2.43	PHC
273.43	275.73	2.3	PRO
275.73	293.24	17.51	PHC
293.24	324	30.76	FFP
324	329.98	5.98	PHC
329.98	331.06	1.08	PRO
331.06	345.05	13.99	PHC
345.05	345.55	0.5	PRO
345.55	346.64	1.09	AND
346.64	349.77	3.13	PRO
349.77	350.3	0.53	PHC
350.3	352.32	2.02	AND
352.32	353.37	1.05	PHC
353.37	355.85	2.48	PRO
355.85	357.46	1.61	PHC
357.46	358.85	1.39	PRO
358.85	360.02	1.17	PHC
360.02	360.94	0.92	AND
360.94	361.68	0.74	PHC
361.68	364.57	2.89	PRO
364.57	366.06	1.49	PHC

366.06	371.02	4.96	PRO
371.02	377.21	6.19	PHC
377.21	384.25	7.04	AND
384.25	398.85	14.6	PRO
398.85	401.9	3.05	PHC
401.9	432.81	30.91	PRO

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.44	1.44	OVB	--	Overburden							
						--	--	---	---	--	--	0
1.44	24.23	22.79	GRD	MG	Dark grey to green to purple, medium grained granodiorite. Disseminated fine grained pyrrhotite pervasive through out. Pyrite seams (minor) found locally and at shallow angle to core axis. Basalt/andesite dyke about 40 centimetres cuts granodiorite and has chilled margins. Sericite altered granodiorite (white sericite) halo around quartz-carbonate vein wit dark grey quartz matrix supported. Moderate oxide with blebby silver mineral (hard and striated - arsenopyrite?) Dark grey quartz and oxidized carbonate (11.87-16.13 metres). A-type? Ptygmatic quartz veins hosting blebby fine grained to medium grained pyrite in centre and along selvages. Trace chalcopyrite in seams. Looks like assimilation of metasediments in a contact zone.							
						DK	GY	XL	PRO	2I	Py	0.2
						DK	PU		SER	2I	Po	0.2
						DK	GN					
24.23	26.61	2.38	HBS	FG	Strongly siliceous, light grey to dark purple, foliated to mottled textures. Interbedded dark green chlorite altered quartz-biotite (massive to foliated), well foliated hornfels biotite and quartz biotite. Some intervals are more silicified. Interval hosts moderate blebby to disseminated pyrite and pyrrhotite throughout. Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite. Lesser pyrrhotite in silicified areas, but has blebby fine grained to medium grained pyrite locally.							
						LT	GY	Mo			Po	0.1
						DK	PU	FO	SIL	2I	Py	0.1
26.61	26.94	0.33	AND	FG	Fine grained medium green andesite with fine grained augite? And hornblende.							
						DK	GN	PO	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.94	45.72	18.78	HBS	FG	strongly siliceous, light grey to dark purple, foliated to mottled textures. Minor crenulation textures with elongate 0.5 cm white quartz clasts. Mottled textures defined by irregular shaped quartz clasts with biotite-chlorite matrix with hornfels-biotite rimming the quartz at 1 millimetre thickness. Pyrrhotite disseminated throughout much of hornfels-biotite-schist. Some intervals are more silicified (moderate intervals hosts blebby to disseminated pyrite and pyrrhotite). Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite usually in dark green chlorite altered quartz-biotite schist. Interval is weakly to moderately granitized with granitic-like textures.							
						LT	GY				Po	0.1
						DK	GY	FO	SIL	2I	Py	0.1
						DK	GN					
45.72	46.30	0.58	SKN	FG	Dark green pyroxene-garnet banded skarn with strong pyrite-pyrrhotite bands as disseminations. Garnet in 2 bands (minor) and see weak retrograde chlorite alteration.							
						DK	PK	FO			Py	5
						DK	GN	BN	---	--	Po	5
46.30	63.30	17.00	HBS	FG	strongly siliceous, light grey to dark purple, foliated to mottled textures. Minor crenulation textures with elongate 0.5 cm white quartz clasts. Mottled textures defined by irregular shaped quartz clasts with biotite-chlorite matrix with hornfels-biotite rimming the quartz at 1 millimetre thickness. Pyrrhotite disseminated throughout much of hornfels-biotite-schist. Some intervals are more silicified (moderate intervals hosts blebby to disseminated pyrite and pyrrhotite). Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite usually in dark green chlorite altered quartz-biotite schist. Interval is weakly to moderately granitized with granitic-like textures.							
						LT	GY					
						DK	GY	FO	SIL	2I	Py	0.1
						DK	PU				Po	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
63.30	64.94	1.64	SKN	FG	Pyroxene-chlorite-garnet skarn hosting patchy pyrrhotite and pyrite. Minor chlorite-calcite stringers plus or minus fine grained pyrite. Intermittent hornfels-biotite-schist with local pyrrhotite.							
						LT	GY					
						DK	GY	---	---	--	Po	1
						DK	GN				Py	1
64.94	84.76	19.82	HBS	FG	dark grey to green to light grey, well foliated, weakly to moderately granitized. Intervals of moderately to strongly sericite altered halos around quartz0carbonate breccia with pyrite and moderate oxide staining and At bottom contact with granodiorite for 1.5-2 metres							
						DK	GY	FO	SIL	2I	--	0
						DK	GN					
88.92	94.74	5.82	MNZ	MG	Dark grey to purple assimilated monzonite. Strongly propylitic/chlorite altered with disseminated pyrite and magnetite. See patchy magnetite as well. Interval of moderately to strongly sericite altered monzonite around barren quartz vein.							
						DK	GY	XL	PRO	4I	--	0
						DK	PU					
						DK	GN					
94.74	95.44	0.70	APL	FG	Sugar-grain textured light pink aplite dyke. 2 centimetre wide rhodochrosite vein in centre of interval with an approximately 10 centimetre halo of argillic altered monzonite on either side of the dyke.							
						LT	PK	---	---	--	--	0
95.44	96.67	1.23	HBS	FG	Very strongly silicified hornfels-biotite-schist with minor granitized chlorite altered schist. Minor tan to light green sericite-chlorite veining.							
						LT	GY					
						DK	GY	FO	SIL	5I	--	0
96.67	99.44	2.77	MNZ	MG	Strongly propylitic altered and assimilated granodiorite. Weakly magnetic locally. Trace disseminated pyrite. Minor xenoliths of strongly silicified hornfels-biotite-schist.							
						DK	GY	XL	PRO	4I	--	0
						DK	PU					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
99.44	103.36	3.92	HBS	FG	moderately to strongly silicified, dark green to light grey hornfels-biotite-schist. Weakly disseminated medium grained pyrite within more strongly silicified hornfels-biotite-schist.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU					
103.36	106.39	3.03	SKN	FG	Pyroxene-actinolite skarn with trace blebby pyrite. Massive, medium green. Minor chlorite seams. Intermittent silicified hornfels-biotite-schist and monzonite. Last 30 centimetres of interval hosts bleached pyroxene-magnetite skarn with magnetite stringers and bands/patches.							
						MD	GN	MA	---	--	Py	0.1
107.88	116.23	8.35	SKN	FG	Chlorite-pyroxene skarn. Medium green, non-calcareous, moderate quartz and calcite veining. Minor epidote veinlets/veins. Trace pyrite and chalcopyrite within quartz seams and minor "black pock" marks found locally. Last 1 metre of interval see 15 centimetres of monzonite with blebby pyrite-pyrrhotite (pyrite 1% and pyrrhotite 5%). Skarn in first 1 metre of interval hosts moderate epidote and actinolite alteration with blebby chalcopyrite-pyrite-pyrrhotite (Chalcopyrite 0.1%, Pyrite 0.5%, Pyrrhotite 1%)							
						MD	GN	MA	---	--	Py	0.1
											Po	1
											Cp	0.01
116.23	122.90	6.67	MNZ	MG	Medium grained, dark grey-purple-green monzonite. Locally trace pyrrhotite with minor chlorite-quartz Ptygmatic veins. Last 1.12 metres of interval are quartz-carbonate breccia with dark grey quartz matrix with moderate ankerite flooding. Weak hematite altered clasts.							
						DK	PU	XL	PRO	4I		
						DK	GY	BX	OXI	2I	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
122.90	129.27	6.37	SKN	FG	Banded garnet-diopside-magnetite skarn, massive diopside-actinolite-chlorite skarn and mottled garnet-diopside skarn. Quartz-carbonate brecciated zone between 127.39-128.31 metres. Moderate dark grey quartz matrix with intrusive textured angular and veined sericite altered monzonite clasts. Pyrite found as fine grained patches/blebs. Chalcopyrite is disseminated/blebby and within bands/veins. Moderate hematite altered magnetite.							
						DK	PK	BX			Py	5
						DK	GN	BN	HEM	2I	Cp	3
											Mg	5
129.27	130.58	1.31	MNZ	MG	Medium grained, medium grey-green, strong propylitic and phyllic altered monzonite (phyllic altered for 50 centimetres of interval). Propylitic altered monzonite is strongly magnetite, while phyllic altered zones are non-magnetic.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		PHC	3I		
130.58	133.06	2.48	QBS	FG	Dark green, medium green to light grey, well foliated hornfels-biotite-schist. Intermittent weak to moderate sericite altered and weakly chlorite altered. Light grey zones are strongly silicified. Trace disseminated pyrite in sericite altered zones (phyllic altered).							
						MD	GN		SER	2I		
						LT	GY		CHL	2I		
						DK	GN	FO	SIL	3I	--	0
133.06	138.61	5.55	MNZ	MG	Strongly magnetite, dark grey-green-purple, moderately propylitic altered monzonite. Minor intervals of moderate sericite-argillic altered monzonite as halo around barren quartz-rhodochrosite? Veins. More vitreous in centre with milky white 0.5 centimetre selvages.							
						DK	GY	XL	PRO	3I		
						DK	PU		ARG	1I		
						DK	GN		PHC	2I		
138.61	139.74	1.13	AND	FG	Fine grained andesite with less than 1 millimetre calcite amygdule's. Grades into phyllic altered andesite at contact with fault.							
						LT	GN					
						DK	GN	---	PHC	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.74	161.54	21.80	MNZ	MG	Strongly oxidized, rubbly to clay/gougey, moderately brecciated fault zone within monzonite. Possibly some metasedimentary units, but too altered to know. Variable trace to moderate pyrite found as disseminated/seams/patches within more competent rock. Blebs of chalcopyrite up to 20 percent and strong oxidized rock (2 x 2 centimetre piece) within fault zone. Top 1 metre of interval is quartz-carbonate breccia. Dark grey quartz matrix with milky quartz to calcite clasts/vein fragments (sub-angular). Low sulphidation epithermal to sub-epithermal vein with 5 percent chalcopyrite and 2 percent molybdenite with the centre of vein as a breccia comprising dark grey quartz matrix with chalcopyrite blebs/bands. Quartz selvages up to 5 centimetres host strong chalcopyrite (40 centimetre vein-breccia - hydrothermal/fluidised breccia).							
						MD	OR	---	OXI	5I	Py	0.1
						LT	GN		CLY	3I		
161.54	163.04	1.50	FAP	CG	Andesite feldspar porphyry dyke with medium grained hornblende augite crystals within fine grained dark green-grey matrix.							
						DK	GY	PO	---	--	--	0
						DK	GN					
163.04	191.00	27.96	MNZ	MG	Dark grey-purple-green strongly propylitic altered monzonite. Local zones with moderate phyllic alteration associated with fault/clay altered zones (acts as halo) and barren quartz veins.							
						DK	GY	PO	PHC	2I		
						DK	GN					
						DK	PU					
191.00	191.75	0.75	HBS	FG	Moderately sericite to phyllic altered hornfels-biotite-schist. Xenolith within propylitic altered monzonite.							
						LT	GY	FO	SER	3I	--	0
						LT	GN					
						--	TN					
191.75	195.89	4.14	MNZ	MG	Dark grey-green-purple medium grained monzonite. Minor phyllic alteration halos around milky quartz veins. Minor chlorite altered hornfels-biotite-schist found as xenoliths?							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	XL	PRO	4I	--	0
						DK	GN		PHC	2I		
						DK	PU					
195.89	196.29	0.40	SKN	FG	Pyroxene-garnet-epidote skarn with trace disseminated pyrite. Medium to dark green, massive.							
						MD	GN					
						DK	GN	MA	---	--	Py	0.1
						DK	PK					
196.29	197.08	0.79	MNZ	MG	Medium grained, dark green-grey purple, strongly propylitic altered monzonite. Weak potassic veined/flooded monzonite with minor calcite veinlets (oxidized). Moderately magnetic (magnetite).							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		POT	2I		
						DK	PU					
197.08	200.18	3.10	SKN	FG	Mottled to patchy pyroxene-garnet-magnetite +/- epidote skarn. Patchy to blebby fine grained pyrite and trace blebby chalcopyrite. Minor strongly hematite and ankerite altered skarn with blebby/patchy pyrite stringers.							
						LT	OR					
						LT	TN					
						DK	PK	Mo			Cp	0.1
						DK	GN	BN	HEM	2I	Py	1
200.18	203.24	3.06	MNZ	MG	Light green, strongly phyllic altered monzonite.							
						LT	GN	XL	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
203.24	212.53	9.29	SKN	FG	Strongly brecciated, moderately oxidized skarn. Interval comprises Dark grey-medium grey matrix supported breccia with sub-angular quartz clasts and strong phyllic altered monzonite clasts up to 2 centimetres hosting blebby chalcopyrite (0.1%) and comprises 10 percent of the interval. Dark to light grey matrix with patchy pyrite and blebby chalcopyrite (5 percent pyrite and 0.5 percent chalcopyrite) and trace molybdenite (represents 15 percent of interval). Angular to strongly silicified and medium grey clasts up to 2 x 2 centimetres in clast supported breccia (mosaic?) Represents 35 percent of interval. Strong ankerite-hematite altered clasts/matrix cut by quartz veining with pyrite selvages and chlorite stringers. Blebby/patchy pyrite. Pyrite 5%, and chalcopyrite 0.1%). Represents 40% of interval.							
						MD	RD					
						LT	GY	BX	OXI	2I	Py	4
						DK	GY					
						--	TN		HEM	3I	Cp	0.1
212.53	215.03	2.50	SKN	FG	Pyroxene-diopside skarn. Weakly brecciated at start of interval and grades into garnet-pyroxene skarn over last 1.2 metres of interval. Trace disseminated pyrite with chlorite seams/fractures in garnet-rich skarn with 1 percent pyrite and 0.1 percent chalcopyrite.							
						DK	GN	BX	---	--	Py	1
						DK	PK				Cp	0.1
215.03	220.62	5.59	SKN	FG	Weakly brecciated, strongly hematite and ankerite altered garnet-pyroxene skarn. Strong hematite areas host strong pyrite +/- chalcopyrite as matrix with angular hematite altered clasts up to 2 centimetres (clast supported). Last 30 centimetres of interval is medium green-leopard-like textured with granular quartz veins (barren).							
						MD	GN					
						LT	GY	BX	HEM	3I	Py	3
						DK	RD				Cp	0.1
220.62	221.89	1.27	MNZ	MG	Strongly phyllic altered monzonite. Minor chlorite-pyrite seams pervasive.							
						LT	GN	XL	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
221.89	225.01	3.12	BXA	CG	Dark grey silicified matrix supported polymictic breccia with less than 1 millimetre to 1 x 2 centimetre angular to subangular clasts. Minor pyrite rimming clasts as blebs. Ankerite and quartz fragments, strongly hematite altered garnet skarn clast make up breccia clasts. Appears to be D-vein/breccia structures with strong sericite-phyllic halo.							
						DK	GY	BX	HEM	2I	Py	0.1
225.01	225.97	0.96	MNZ	MG	Strongly phyllic altered monzonite with tan to white sericite and pale green. Minor calcite, chlorite and rhodochrosite seams/veins							
						LT	GN	XL	PHC	5I	Py	0.1
225.97	230.18	4.21	BXA	--	Crackle breccia with ankerite filled matrix. Clasts are about 0.5 x 0.5 centimetres. Light green strongly phyllic altered monzonite? Last 40 centimetres of interval are strongly clay altered, weakly calcareous matrix with angular to sub-angular phyllic altered clasts ranging from less than 1 millimetre up to 2 x 4 centimetres.							
						LT	GN	BX	CLY	3I	--	0
									PHC	4I		
230.18	231.01	0.83	MNZ	MG	Light green phyllic altered monzonite with minor oxide stain on fractures.							
						LT	GN	XL	PHC	4I	Py	0.1
231.01	232.48	1.47	MNZ	MG	Dark green, medium grained propylitic altered monzonite. Pervasive milky quartz veins (minor) with minor tension structures (sinistral).							
						DK	GN	XL	PRO	4I	--	0
232.48	237.98	5.50	MNZ	MG	Light green phyllic altered monzonite with pervasive chlorite-pyrite +/- chalcopyrite seams cut by later granular quartz veins. Minor felsic porphyry dykes up to 10 centimetres cut unit. Trace disseminated molybdenite near chalcopyrite and pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
237.98	239.85	1.87	MNZ	MG	Dark green-purple-grey, fine to medium grained monzonite with patchy fine grained epidote alteration. Pyrite and trace chalcopyrite found associated with epidote as blebs (fine grained) and patches replacing chlorite/within chlorite seams. Minor calcite stringers +/- chalcopyrite. 2 centimetre wide chalcopyrite-pyrite-pyrrhotite vein (disseminated) within quartz-chlorite vein and cut by later granular Ptygmatic quartz-vein (A-vein?).							
						DK	GN	XL	PRO	4I	Py	1
						DK	GY				Cp	0.2
						DK	PU				Po	1
239.85	240.67	0.82	SKN	FG	Pyroxene-epidote-garnet-magnetite skarn with sericite altered hornfels-biotite-schist. Disseminated and banded pyrite-chalcopyrite.							
						MD	GN	---	HEM	2I	Cp	2
						--	TN				Py	2
											Mg	2
240.67	242.72	2.05	MNZ	MG	Strongly phyllic altered monzonite with minor clay and oxide altered interval (10 centimetres wide) in centre of interval. Moderate quartz-veining pervasive (A-veins?) Ptygmatic grey quart veins.							
						LT	GN	XL	PHC	4I	Py	0.1
242.72	244.95	2.23	MNZ	MG	Chlorite-sericite altered interval. Seeing both sericite (tan) and chlorite. Minor aplite dykes up to 3 centimetre.							
						DK	GN	XL	PRO	4I	--	0
						DK	PU		SER	3I		
						DK	GY					
244.95	245.64	0.69	FFP	MG	Strongly phyllic altered, light green, coarse grained quartz-feldspar-porphyry dyke. Cut by Ptygmatic quartz veins (A-veins?) cut centre of interval.							
						LT	GN	PO	PHC	4I	Py	0.1
245.64	247.56	1.92	MNZ	MG	Strongly phyllic altered monzonite with minor aplite dykes and fluidized breccia.							
						LT	GN	XL	PHC	4I	Py	0.1
247.56	249.44	1.88	MNZ	MG	Strong propylitic to chlorite-sericite altered monzonite.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY		SER	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
249.44	249.88	0.44	FFP	CG	Feldspar porphyry dyke with large feldspar phenocrysts all sericite and clay altered with large biotite flakes going to sericite. Possible A-vein cutting interval (Ptygmatic)							
						LT	GN	PO	PHC	4I	Py	0.1
249.88	250.73	0.85	PRO	MG	Strong propylitic to chlorite-sericite altered monzonite. Minor disseminated pyrite and trace disseminated chalcopyrite over last 20 centimetres of interval replacing mafics.							
						DK	GN	XL	PRO	4I	Py	0.1
						DK	PU					
						DK	GY				Cp	0.01
250.73	256.58	5.85	MNZ	MG	Strongly phyllic altered monzonite cut by moderate aplite dykes at low angle to core axis. Minor quartz-carbonate veins with fine grained blebby pyrite within chlorite seams. Aplite dykes cut quartz-veins.							
						LT	GN	XL	PHC	4I	Py	0.1
256.58	257.67	1.09	MNZ	MG	Chlorite-sericite altered monzonite. Trace disseminated pyrite and chalcopyrite with minor quartz veins +/- blebs of pyrite-chalcopyrite.							
						DK	GN	XL	CHL	4I	Py	0.2
						DK	PU		SER	3I	Cp	0.1
						DK	GY					
257.67	262.11	4.44	MNZ	MG	Very strongly phyllic altered monzonite with 30 centimetre zone with 3 percent pyrite found as blebs/patches and 1 percent blebby chalcopyrite. Minor quartz veins with dark green chlorite selvages hosting fine grained blebby pyrite pervasively. Minor aplite dykes cut by A-vein? Ptygmatic light grey quartz veins, which also cut quartz-chlorite-pyrite veins. Minor quartz-feldspar porphyry dyke (up to 20 centimetres) found within.							
						LT	GN	XL	PHC	5I	Py	0.5
						--	WH				Cp	0.1
262.11	263.73	1.62	FFP	CG	Strongly phyllic altered and moderately argillic altered crowded feldspar porphyry dyke with minor oxide staining on core and on fractures. Trace blebby pyrite and minor chlorite seams with fine grained blebby pyrite.							
						LT	GN	PO	PHC	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	WH		ARG	2I		
									OXI	2I		
263.73	267.59	3.86	MNZ	MG	Strongly phyllic altered monzonite. Minor phyllic altered andesite and quartz-feldspar porphyry found within interval. Hematite veinlets within phyllic altered andesite. Quartz vein (0.5 centimetres wide) with semi-massive to blebby pyrite and chalcopyrite. Hematite seams cut pyrite-quartz veins. Trace molybdenite selvages in quartz veins as blebs within phyllic altered monzonite.							
						LT	GN	XL	PHC	5I	Py	0.1
						--	TN					
267.59	268.77	1.18	MNZ	MG	Propylitic and chlorite-sericite altered monzonite. Dark grey-green-purple. Minor quartz and calcite seams pervasive.							
						DK	GY	XL	PRO	4I	--	0
						DK	PU					
						DK	GN					
268.77	271.00	2.23	FFP	CG	Strong phyllic altered, coarse grained quartz-feldspar porphyry dyke. Quartz eyes and chlorite altered feldspar phenocrysts (crowded plagioclase and soft). Trace chlorite-pyrite seams with trace hematite.							
						LT	GN	PO	PHC	4I	Py	0.1
						LT	TN					
271.00	273.43	2.43	MNZ	MG	Strong phyllic altered monzonite. Minor quartz veins hosting blebby chalcopyrite-pyrite-molybdenite found mostly along selvages and blebs in centre of vein.							
						LT	GN	XL	PHC	5I	Py	0.1
											Cp	0.01
273.43	275.73	2.30	MNZ	MG	Strongly propylitic altered monzonite with pervasive calcite seams with oxide staining. Fractures are oxide stained. Minor aplite dykes up to 2 centimetres wide.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		OXI	2I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
275.73	293.24	17.51	MNZ	MG	Strongly phyllic altered monzonite with mineralized fluidized (silicified_ breccias. Quartz veins with blebby pyrite-chalcopyrite and molybdenite. Chlorite seams with pyrite +/- chalcopyrite +/- molybdenite . Chlorite seams at 3 per metre.							
						LT	GN	XL	PHC	4I	Py	0.2
						LT	TN					
293.24	324.00	30.76	FFP	CG	Strongly phyllic altered quartz-feldspar porphyry dyke with moderate to strong quartz-carbonate veining. Top contact defined by hydrothermal mosaic breccia with silicified dark grey matrix and dark grey, white and buff angular to sub-angular clasts less than 1 millimetre to 1 x 1 centimetre. Moderate clay altered locally. Dark grey to black silicified veins with blebby pyrite +/- chalcopyrite +/- molybdenite. Tourmaline? Stringers. Minor disseminated molybdenite stringers. Approximately 2 centimetre interval of moderately to strongly hematite brecciated (crackle breccia) zone with quartz-carbonate veins with pyrite along selvages. Intermittent fault intervals defined by hematite-oxide-clay altered zones.							
						LT	GY	PO	PHC	4I	Py	0.1
						--	WH					
324.00	329.98	5.98	MNZ	MG	Light green, strongly phyllic altered monzonite. Moderate quartz veining +/- dark grey pyritiferous selvages. Hematite stringers occasionally along selvages.							
						LT	GN	XL	PHC	4I	Py	0.1
329.98	331.06	1.08	MNZ	MG	Strongly propylitic +/- sericite altered monzonite. Moderate quartz veinlets and calcite veinlets. No visible mineralization.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		SER	2I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
331.06	345.05	13.99	MNZ	MG	Light green, medium grained, strongly phyllic altered monzonite. Weak quartz-carbonate veins/stringers with pyrite-chalcopyrite-molybdenite. Minor light grey, translucent quartz veins up to 1.5 centimetres.1 1.5 centimetre light grey translucent quartz vein with milky white selvages hosting 5 percent pyrite, 2% molybdenite and 0.1% chalcopyrite. Minor fault zones defined by weak oxide and strong clay alteration.							
						LT	GN	XL	PHC	5I	Py	0.1
345.05	345.55	0.50	MNZ	MG	Strongly propylitic altered, dark grey to green monzonite. Minor quartz veinlets pervasive.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN					
						DK	PU					
345.55	346.64	1.09	AND	FG	Zone of strongly sericite altered hornfels-biotite-schist and strongly phyllic altered fine grained andesite with strong breccia zones intermittently. Breccia is about 15 centimetres wide and consists of polymictic light to medium green fluorite? Clasts, phyllic altered monzonite clasts within an ankerite matrix.							
						LT	GN	BX	PHC	4I	--	0
						LT	GY					
346.64	349.77	3.13	MNZ	MG	Strongly propylitic altered, dark grey to green monzonite. Minor aplite dykes and trace chlorite seams hosting blebby pyrite and chalcopyrite (2 percent chalcopyrite and 1 percent pyrite).							
						DK	GN	XL	PRO	4I	--	0
						DK	GY					
						DK	PU					
349.77	350.30	0.53	MNZ	MG	Light green to medium grey phyllic altered monzonite. Minor quartz-carbonate veins hosting trace blebby molybdenite and hematite along selvages.							
						LT	GN	XL	PHC	4I	Py	0.1
350.30	352.32	2.02	AND	FG	Dark green-grey fine grained andesite with weak quartz eyes? Phenocrysts sparse, difficult to determine if its porphyritic or not. Moderate quartz-calcite stringers pervasive. Trace blebby pyrite-chalcopyrite replacing mafics. Last 30 centimetres of interval are propylitic altered monzonite into sericite-chlorite altered monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	---	---	--	--	0
						DK	GY					
352.32	353.37	1.05	MNZ	MG	Light green, medium grained phyllic altered monzonite. Trace pyrite disseminated with trace chalcopyrite within chlorite seams.							
						LT	GN	XL	PHC	4I	Py	0.1
353.37	355.85	2.48	MNZ	MG	Dark green-grey, medium grained phyllic altered monzonite. Moderate barren quartz-carbonate veining. Trace chlorite stringers hosting moderate pyrite.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY					
355.85	357.46	1.61	MNZ	MG	Light green, medium grained, phyllic altered monzonite. Moderate barren quartz-carbonate veining. Trace chlorite stringers hosting moderate pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1
357.46	358.85	1.39	MNZ	MG	Dominantly propylitic altered monzonite with minor phyllic altered monzonite associated with barren light grey quartz veins with milky white selvages.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN					
358.85	360.02	1.17	MNZ	MG	Light green, medium grained phyllic altered monzonite. Minor oxide staining along fractures. Minor quartz-veinlets.							
						LT	GN	XL	PHC	5I	Py	0.1
									OXI	2I		
360.02	360.94	0.92	AND	FG	Dark green andesite with minor light green phyllic altered andesite. Top 40 centimetres of interval are brecciated with light grey clasts rimmed by combed milky grey quartz.							
						LT	GN		OXI	2I		
						DK	GN	---	PHC	2I	--	0
360.94	361.68	0.74	PHC	MG	Light green, medium grained phyllic altered monzonite. Halo of andesite dyke most likely.							
						LT	GN	XL	PHC	4I	Py	0.1
361.68	364.57	2.89	PRO	MG	Dark grey-green, propylitic altered monzonite. Intermittent moderately phyllic altered monzonite associated with barren quartz veins. Trace pyrite +/- molybdenite seams in chlorite.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
364.57	366.06	1.49	PHC	MG	Light green to medium green phyllic altered monzonite. Minor clay alteration for about 5 centimetres in middle of interval. Quartz veins up to 2 centimetres found locally (barren).							
						LT	GN	XL	PHC	4I	Py	0.1
									CLY	1I		
366.06	371.02	4.96	PRO	MG	Dark green-grey propylitic altered monzonite with minor intermittent moderately phyllic altered monzonite. Propylitic altered monzonite hosts trace fine grained patches/seams of pyrite and chalcopyrite. Minor hematite veinlets found locally.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY		PHC	1I		
371.02	377.21	6.19	PHC	MG	Light green, medium grained strongly phyllic altered monzonite. Moderate quartz veins mostly barren, but few with chalcopyrite and pyrite. Minor breccias found intermittently for last 1.5 metres with or without mineralization. About 1.5 centimetre quartz vein hosting 5 percent chalcopyrite and 1 percent pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1
											Cp	0.1
377.21	384.25	7.04	AND	FG	Light green to dark green (phyllic altered) basalt with fine grained calcite filled amygdule's. Two weakly mineralized breccias found intermittently hosting weak blebby chalcopyrite. Last 38 centimetres of interval at bottom contact hosts fluidized hydrothermal breccia comprising dark grey silicified matrix supported breccia with relict andesite clasts up to 5 x 3 centimetres. Last 10 centimetres hosts significant chalcopyrite-pyrite (10% chalcopyrite and 5% pyrite) within sheared silicified breccia.							
						LT	GN				Cp	0.1
						DK	GN	BX	PHC	4I	Py	0.1
384.25	398.85	14.60	PRO	MG	Dark green-grey, medium grained propylitic altered monzonite. Minor phyllic altered monzonite found intermittently. Trace aplite dykes. Weak quartz-calcite veinlets pervasive throughout phyllic altered monzonite hosting barren light grey-white quartz veining/flooding. Trace blebby chalcopyrite within propylitic altered monzonite.							
						DK	GY	XL	PRO	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PHC	1I		
398.85	401.90	3.05	PHC	MG	Light green phyllic altered monzonite. About 20 centimetre moderate clay altered fault zone with no visible mineralization. Moderate minor quartz veins (barren).							
						LT	GN	XL	PHC	4I	Py	0.1
									CLY	3I		
									OXI	2I		
401.90	432.81	30.91	PRO	MG	Dark green-grey, medium grained propylitic altered monzonite. Trace chlorite-chalcopyrite +/- molybdenite veinlets pervasive, but widely spaced (1 per 5 metres). Appear to be getting into some B-veins with molybdenite +/- chalcopyrite within potassium feldspar selvages. Not well formed or clear cut.							
						DK	GN	XL	PRO	4I	Py	0.1
						DK	GY				Cp	0.01
											mo	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	1.44	1.44	OVB	--	Overburden							
						--	--	---	---	--	--	0
1.44	24.23	22.79	PRO	MG	Dark grey to green to purple, medium grained granodiorite. Disseminated fine grained pyrrhotite pervasive through out. Pyrite seams (minor) found locally and at shallow angle to core axis. Basalt/andesite dyke about 40 centimetres cuts granodiorite and has chilled margins. Sericite altered granodiorite (white sericite) halo around quartz-carbonate vein wit dark grey quartz matrix supported. Moderate oxide with blebby silver mineral (hard and striated - arsenopyrite?) Dark grey quartz and oxidized carbonate (11.87-16.13 metres). A-type? Ptygmatic quartz veins hosting blebby fine grained to medium grained pyrite in centre and along selvages. Trace chalcopyrite in seams. Looks like assimilation of metasediments in a contact zone.							
						DK	GY	XL	PRO	2I	Py	0.2
						DK	PU		SER	2I	Po	0.2
						DK	GN					
24.23	26.61	2.38	HBS	FG	Strongly siliceous, light grey to dark purple, foliated to mottled textures. Interbedded dark green chlorite altered quartz-biotite (massive to foliated), well foliated hornfels biotite and quartz biotite. Some intervals are more silicified. Interval hosts moderate blebby to disseminated pyrite and pyrrhotite throughout. Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite. Lesser pyrrhotite in silicified areas, but has blebby fine grained to medium grained pyrite locally.							
						DK	PU	FO	SIL	2I	Py	0.1
						LT	GY	Mo			Po	0.1
26.61	26.94	0.33	AND	FG	Fine grained medium green andesite with fine grained augite? And hornblende.							
						DK	GN	PO	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.94	45.72	18.78	HBS	FG	strongly siliceous, light grey to dark purple, foliated to mottled textures. Minor crenulation textures with elongate 0.5 cm white quartz clasts. Mottled textures defined by irregular shaped quartz clasts with biotite-chlorite matrix with hornfels-biotite rimming the quartz at 1 millimetre thickness. Pyrrhotite disseminated throughout much of hornfels-biotite-schist. Some intervals are more silicified (moderate intervals hosts blebby to disseminated pyrite and pyrrhotite). Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite usually in dark green chlorite altered quartz-biotite schist. Interval is weakly to moderately granitized with granitic-like textures.							
						DK	GN					
						DK	GY	FO	SIL	2I	Py	0.1
						LT	GY				Po	0.1
45.72	46.30	0.58	SKN	FG	Dark green pyroxene-garnet banded skarn with strong pyrite-pyrrhotite bands as disseminations. Garnet in 2 bands (minor) and see weak retrograde chlorite alteration.							
						DK	GN	BN	---	--	Po	5
						DK	PK	FO			Py	5
46.30	63.30	17.00	HBS	FG	strongly siliceous, light grey to dark purple, foliated to mottled textures. Minor crenulation textures with elongate 0.5 cm white quartz clasts. Mottled textures defined by irregular shaped quartz clasts with biotite-chlorite matrix with hornfels-biotite rimming the quartz at 1 millimetre thickness. Pyrrhotite disseminated throughout much of hornfels-biotite-schist. Some intervals are more silicified (moderate intervals hosts blebby to disseminated pyrite and pyrrhotite). Irregular chlorite seams/patches with disseminated blebby pyrite and pyrrhotite usually in dark green chlorite altered quartz-biotite schist. Interval is weakly to moderately granitized with granitic-like textures.							
						DK	GY	FO	SIL	2I	Py	0.1
						DK	PU				Po	0.1
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
63.30	64.94	1.64	SKN	FG	Pyroxene-chlorite-garnet skarn hosting patchy pyrrhotite and pyrite. Minor chlorite-calcite stringers plus or minus fine grained pyrite. Intermittent hornfels-biotite-schist with local pyrrhotite.							
						DK	GY	---	---	--	Po	1
						DK	GN				Py	1
						LT	GY					
64.94	84.76	19.82	HBS	FG	dark grey to green to light grey, well foliated, weakly to moderately granitized. Intervals of moderately to strongly sericite altered halos around quartz0carbonate breccia with pyrite and moderate oxide staining and At bottom contact with granodiorite for 1.5-2 metres							
						DK	GY	FO	SIL	2I	--	0
						DK	GN					
88.92	94.74	5.82	PRO	MG	Dark grey to purple assimilated monzonite. Strongly propylitic/chlorite altered with disseminated pyrite and magnetite. See patchy magnetite as well. Interval of moderately to strongly sericite altered monzonite around barren quartz vein.							
						DK	GN					
						DK	GY	XL	PRO	4I	--	0
						DK	PU					
94.74	95.44	0.70	APL	FG	Sugar-grain textured light pink aplite dyke. 2 centimetre wide rhodochrosite vein in centre of interval with an approximately 10 centimetre halo of argillic altered monzonite on either side of the dyke.							
						LT	PK	---	---	--	--	0
95.44	96.67	1.23	HBS	FG	Very strongly silicified hornfels-biotite-schist with minor granitized chlorite altered schist. Minor tan to light green sericite-chlorite veining.							
						DK	GY	FO	SIL	5I	--	0
						LT	GY					
96.67	99.44	2.77	PRO	MG	Strongly propylitic altered and assimilated granodiorite. Weakly magnetic locally. Trace disseminated pyrite. Minor xenoliths of strongly silicified hornfels-biotite-schist.							
						DK	GY	XL	PRO	4I	--	0
						DK	PU					
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
99.44	103.36	3.92	HBS	FG	moderately to strongly silicified, dark green to light grey hornfels-biotite-schist. Weakly disseminated medium grained pyrite within more strongly silicified hornfels-biotite-schist.							
						DK	PU					
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
103.36	106.39	3.03	SKN	FG	Pyroxene-actinolite skarn with trace blebby pyrite. Massive, medium green. Minor chlorite seams. Intermittent silicified hornfels-biotite-schist and monzonite. Last 30 centimetres of interval hosts bleached pyroxene-magnetite skarn with magnetite stringers and bands/patches.							
						MD	GN	MA	---	--	Py	0.1
107.88	116.23	8.35	SKN	FG	Chlorite-pyroxene skarn. Medium green, non-calcareous, moderate quartz and calcite veining. Minor epidote veinlets/veins. Trace pyrite and chalcopyrite within quartz seams and minor "black pock" marks found locally. Last 1 metre of interval see 15 centimetres of monzonite with blebby pyrite-pyrrhotite (pyrite 1% and pyrrhotite 5%). Skarn in first 1 metre of interval hosts moderate epidote and actinolite alteration with blebby chalcopyrite-pyrite-pyrrhotite (Chalcopyrite 0.1%, Pyrite 0.5%, Pyrrhotite 1%)							
						MD	GN	MA	---	--	Py	0.1
											Po	1
											Cp	0.01
116.23	122.90	6.67	PRO	MG	Medium grained, dark grey-purple-green monzonite. Locally trace pyrrhotite with minor chlorite-quartz Ptygmatic veins. Last 1.12 metres of interval are quartz-carbonate breccia with dark grey quartz matrix with moderate ankerite flooding. Weak hematite altered clasts.							
						DK	GY	BX	OXI	2I	--	0
						DK	PU	XL	PRO	4I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
122.90	129.27	6.37	SKN	FG	Banded garnet-diopside-magnetite skarn, massive diopside-actinolite-chlorite skarn and mottled garnet-diopside skarn. Quartz-carbonate brecciated zone between 127.39-128.31 metres. Moderate dark grey quartz matrix with intrusive textured angular and veined sericite altered monzonite clasts. Pyrite found as fine grained patches/blebs. Chalcopyrite is disseminated/blebby and within bands/veins. Moderate hematite altered magnetite.							
						DK	PK	BX			Py	5
											Mg	5
						DK	GN	BN	HEM	2I	Cp	3
129.27	130.58	1.31	PRO	MG	Medium grained, medium grey-green, strong propylitic and phyllic altered monzonite (phyllic altered for 50 centimetres of interval). Propylitic altered monzonite is strongly magnetite, while phyllic altered zones are non-magnetic.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		PHC	3I		
130.58	133.06	2.48	QBS	FG	Dark green, medium green to light grey, well foliated hornfels-biotite-schist. Intermittent weak to moderate sericite altered and weakly chlorite altered. Light grey zones are strongly silicified. Trace disseminated pyrite in sericite altered zones (phyllic altered).							
						DK	GN	FO	SIL	3I	--	0
						MD	GN		SER	2I		
						LT	GY		CHL	2I		
133.06	138.61	5.55	PRO	MG	Strongly magnetite, dark grey-green-purple, moderately propylitic altered monzonite. Minor intervals of moderate sericite-argillic altered monzonite as halo around barren quartz-rhodochrosite? Veins. More vitreous in centre with milky white 0.5 centimetre selvages.							
						DK	PU		ARG	1I		
						DK	GN		PHC	2I		
						DK	GY	XL	PRO	3I		
138.61	139.74	1.13	AND	FG	Fine grained andesite with less than 1 millimetre calcite amygdule's. Grades into phyllic altered andesite at contact with fault.							
						DK	GN	MA	PHC	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
139.74	161.54	21.80	PHC	MG	Strongly oxidized, rubbly to clay/gougey, moderately brecciated fault zone within monzonite. Possibly some metasedimentary units, but too altered to know. Variable trace to moderate pyrite found as disseminated/seams/patches within more competent rock. Blebs of chalcopyrite up to 20 percent and strong oxidized rock (2 x 2 centimetre piece) within fault zone. Top 1 metre of interval is quartz-carbonate breccia. Dark grey quartz matrix with milky quartz to calcite clasts/vein fragments (sub-angular). Low sulphidation epithermal to sub-epithermal vein with 5 percent chalcopyrite and 2 percent molybdenite with the centre of vein as a breccia comprising dark grey quartz matrix with chalcopyrite blebs/bands. Quartz selvages up to 5 centimetres host strong chalcopyrite (40 centimetre vein-breccia - hydrothermal/fluidised breccia).							
						LT	GN		CLY	3I		
						MD	OR	---	OXI	5I	Py	0.1
161.54	163.04	1.50	FAP	CG	Andesite feldspar porphyry dyke with medium grained hornblende augite crystals within fine grained dark green-grey matrix.							
						DK	GY	PO	---	--	--	0
						DK	GN					
163.04	191.00	27.96	PRO	MG	Dark grey-purple-green strongly propylitic altered monzonite. Local zones with moderate phyllic alteration associated with fault/clay altered zones (acts as halo) and barren quartz veins.							
						DK	GY	PO	PHC	2I		
						DK	PU					
						DK	GN					
191.00	191.75	0.75	HBS	FG	Moderately sericite to phyllic altered hornfels-biotite-schist. Xenolith within propylitic altered monzonite.							
						--	TN					
						LT	GN					
						LT	GY	FO	SER	3I	--	0
191.75	195.89	4.14	PRO	MG	Dark grey-green-purple medium grained monzonite. Minor phyllic alteration halos around milky quartz veins. Minor chlorite altered hornfels-biotite-schist found as xenoliths?							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN		PHC	2I		
						DK	PU					
						DK	GY	XL	PRO	4I	--	0
195.89	196.29	0.40	SKN	FG	Pyroxene-garnet-epidote skarn with trace disseminated pyrite. Medium to dark green, massive.							
						DK	GN	MA	---	--	Py	0.1
						MD	GN					
						DK	PK					
196.29	197.08	0.79	PRO	MG	Medium grained, dark green-grey purple, strongly propylitic altered monzonite. Weak potassic veined/flooded monzonite with minor calcite veinlets (oxidized). Moderately magnetic (magnetite).							
						DK	PU					
						DK	GY	XL	PRO	4I	--	0
						DK	GN		POT	2I		
197.08	200.18	3.10	SKN	FG	Mottled to patchy pyroxene-garnet-magnetite +/- epidote skarn. Patchy to blebby fine grained pyrite and trace blebby chalcopyrite. Minor strongly hematite and ankerite altered skarn with blebby/patchy pyrite stringers.							
						LT	OR					
						LT	TN					
						DK	GN	BN	HEM	2I	Py	1
						DK	PK	Mo			Cp	0.1
200.18	203.24	3.06	PHC	MG	Light green, strongly phyllic altered monzonite.							
						LT	GN	XL	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
203.24	212.53	9.29	SKN	FG	Strongly brecciated, moderately oxidized skarn. Interval comprises Dark grey-medium grey matrix supported breccia with sub-angular quartz clasts and strong phyllic altered monzonite clasts up to 2 centimetres hosting blebby chalcopyrite (0.1%) and comprises 10 percent of the interval. Dark to light grey matrix with patchy pyrite and blebby chalcopyrite (5 percent pyrite and 0.5 percent chalcopyrite) and trace molybdenite (represents 15 percent of interval). Angular to strongly silicified and medium grey clasts up to 2 x 2 centimetres in clast supported breccia (mosaic?) Represents 35 percent of interval. Strong ankerite-hematite altered clasts/matrix cut by quartz veining with pyrite selvages and chlorite stringers. Blebby/patchy pyrite. Pyrite 5%, and chalcopyrite 0.1%). Represents 40% of interval.							
						LT	GY	BX	OXI	2I	Py	4
						MD	RD					
						DK	GY					
						--	TN		HEM	3I	Cp	0.1
212.53	215.03	2.50	SKN	FG	Pyroxene-diopside skarn. Weakly brecciated at start of interval and grades into garnet-pyroxene skarn over last 1.2 metres of interval. Trace disseminated pyrite with chlorite seams/fractures in garnet-rich skarn with 1 percent pyrite and 0.1 percent chalcopyrite.							
						DK	PK				Cp	0.1
						DK	GN	BX	---	--	Py	1
215.03	220.62	5.59	SKN	FG	Weakly brecciated, strongly hematite and ankerite altered garnet-pyroxene skarn. Strong hematite areas host strong pyrite +/- chalcopyrite as matrix with angular hematite altered clasts up to 2 centimetres (clast supported). Last 30 centimetres of interval is medium green-leopard-like textured with granular quartz veins (barren).							
						MD	GN					
						DK	RD				Cp	0.1
						LT	GY	BX	HEM	3I	Py	3
220.62	221.89	1.27	PHC	MG	Strongly phyllic altered monzonite. Minor chlorite-pyrite seams pervasive.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	XL	PHC	4I	Py	0.1
221.89	225.01	3.12	BXA	CG	Dark grey silicified matrix supported polymictic breccia with less than 1 millimetre to 1 x 2 centimetre angular to subangular clasts. Minor pyrite rimming clasts as blebs. Ankerite and quartz fragments, strongly hematite altered garnet skarn clast make up breccia clasts. Appears to be D-vein/breccia structures with strong sericite-phyllic halo.							
						DK	GY	BX	HEM	2I	Py	0.1
225.01	225.97	0.96	PHC	MG	Strongly phyllic altered monzonite with tan to white sericite and pale green. Minor calcite, chlorite and rhodochrosite seams/veins							
						LT	GN	XL	PHC	5I	Py	0.1
225.97	230.18	4.21	BXA	--	Crackle breccia with ankerite filled matrix. Clasts are about 0.5 x 0.5 centimetres. Light green strongly phyllic altered monzonite? Last 40 centimetres of interval are strongly clay altered, weakly calcareous matrix with angular to sub-angular phyllic altered clasts ranging from less than 1 millimetre up to 2 x 4 centimetres.							
									PHC	4I		
						LT	GN	BX	CLY	3I	--	0
230.18	231.01	0.83	PHC	MG	Light green phyllic altered monzonite with minor oxide stain on fractures.							
						LT	GN	XL	PHC	4I	Py	0.1
231.01	232.48	1.47	PRO	MG	Dark green, medium grained propylitic altered monzonite. Pervasive milky quartz veins (minor) with minor tension structures (sinistral).							
						DK	GN	XL	PRO	4I	--	0
232.48	237.98	5.50	PHC	MG	Light green phyllic altered monzonite with pervasive chlorite-pyrite +/- chalcopyrite seams cut by later granular quartz veins. Minor felsic porphyry dykes up to 10 centimetres cut unit. Trace disseminated molybdenite near chalcopyrite and pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
237.98	239.85	1.87	PRO	MG	Dark green-purple-grey, fine to medium grained monzonite with patchy fine grained epidote alteration. Pyrite and trace chalcopyrite found associated with epidote as blebs (fine grained) and patches replacing chlorite/within chlorite seams. Minor calcite stringers +/- chalcopyrite. 2 centimetre wide chalcopyrite-pyrite-pyrrhotite vein (disseminated) within quartz-chlorite vein and cut by later granular Ptygmatic quartz-vein (A-vein?).							
						DK	GY				Cp	0.2
						DK	PU				Po	1
						DK	GN	XL	PRO	4I	Py	1
239.85	240.67	0.82	SKN	FG	Pyroxene-epidote-garnet-magnetite skarn with sericite altered hornfels-biotite-schist. Disseminated and banded pyrite-chalcopyrite.							
						MD	GN	---	HEM	2I	Cp	2
											Mg	2
						--	TN				Py	2
240.67	242.72	2.05	PHC	MG	Strongly phyllic altered monzonite with minor clay and oxide altered interval (10 centimetres wide) in centre of interval. Moderate quartz-veining pervasive (A-veins?) Ptygmatic grey quart veins.							
						LT	GN	XL	PHC	4I	Py	0.1
242.72	244.95	2.23	PRO	MG	Chlorite-sericite altered interval. Seeing both sericite (tan) and chlorite. Minor aplite dykes up to 3 centimetre.							
						DK	GY					
						DK	GN	XL	PRO	4I	--	0
						DK	PU		SER	3I		
244.95	245.64	0.69	FFP	MG	Strongly phyllic altered, light green, coarse grained quartz-feldspar-porphyry dyke. Cut by Ptygmatic quartz veins (A-veins?) cut centre of interval.							
						LT	GN	PO	PHC	4I	Py	0.1
245.64	247.56	1.92	PHC	MG	Strongly phyllic altered monzonite with minor aplite dykes and fluidized breccia.							
						LT	GN	XL	PHC	4I	Py	0.1
247.56	249.44	1.88	PRO	MG	Strong propylitic to chlorite-sericite altered monzonite.							
						DK	PU					
						DK	GY		SER	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	XL	PRO	4I	--	0
249.44	249.88	0.44	FFP	CG	Feldspar porphyry dyke with large feldspar phenocrysts all sericite and clay altered with large biotite flakes going to sericite. Possible A-vein cutting interval (Ptygmatic)							
						LT	GN	PO	PHC	4I	Py	0.1
249.88	250.73	0.85	PRO	MG	Strong propylitic to chlorite-sericite altered monzonite. Minor disseminated pyrite and trace disseminated chalcopyrite over last 20 centimetres of interval replacing mafics.							
						DK	GY				Cp	0.01
						DK	GN	XL	PRO	4I	Py	0.1
						DK	PU					
250.73	256.58	5.85	PHC	MG	Strongly phyllic altered monzonite cut by moderate aplite dykes at low angle to core axis. Minor quartz-carbonate veins with fine grained blebby pyrite within chlorite seams. Aplite dykes cut quartz-veins.							
						LT	GN	XL	PHC	4I	Py	0.1
256.58	257.67	1.09	PRO	MG	Chlorite-sericite altered monzonite. Trace disseminated pyrite and chalcopyrite with minor quartz veins +/- blebs of pyrite-chalcopyrite.							
						DK	PU		SER	3I	Cp	0.1
						DK	GN	XL	CHL	4I	Py	0.2
						DK	GY					
257.67	262.11	4.44	PHC	MG	Very strongly phyllic altered monzonite with 30 centimetre zone with 3 percent pyrite found as blebs/patches and 1 percent blebby chalcopyrite. Minor quartz veins with dark green chlorite selvages hosting fine grained blebby pyrite pervasively. Minor aplite dykes cut by A-vein? Ptygmatic light grey quartz veins, which also cut quartz-chlorite-pyrite veins. Minor quartz-feldspar porphyry dyke (up to 20 centimetres) found within.							
						--	WH				Cp	0.1
						LT	GN	XL	PHC	5I	Py	0.5
262.11	263.73	1.62	FFP	CG	Strongly phyllic altered and moderately argillic altered crowded feldspar porphyry dyke with minor oxide staining on core and on fractures. Trace blebby pyrite and minor chlorite seams with fine grained blebby pyrite.							
						--	WH		ARG	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									OXI	2I		
						LT	GN	PO	PHC	3I	--	0
263.73	267.59	3.86	PHC	MG	Strongly phyllic altered monzonite. Minor phyllic altered andesite and quartz-feldspar porphyry found within interval. Hematite veinlets within phyllic altered andesite. Quartz vein (0.5 centimetres wide) with semi-massive to blebby pyrite and chalcopyrite. Hematite seams cut pyrite-quartz veins. Trace molybdenite selvages in quartz veins as blebs within phyllic altered monzonite.							
						LT	GN	XL	PHC	5I	Py	0.1
						--	TN					
267.59	268.77	1.18	PRO	MG	Propylitic and chlorite-sericite altered monzonite. Dark grey-green-purple. Minor quartz and calcite seams pervasive.							
						DK	GN					
						DK	PU					
						DK	GY	XL	PRO	4I	--	0
268.77	271.00	2.23	FFP	CG	Strong phyllic altered, coarse grained quartz-feldspar porphyry dyke. Quartz eyes and chlorite altered feldspar phenocrysts (crowded plagioclase and soft). Trace chlorite-pyrite seams with trace hematite.							
						LT	GN	PO	PHC	4I	Py	0.1
						LT	TN					
271.00	273.43	2.43	PHC	MG	Strong phyllic altered monzonite. Minor quartz veins hosting blebby chalcopyrite-pyrite-molybdenite found mostly along selvages and blebs in centre of vein.							
											Cp	0.01
						LT	GN	XL	PHC	5I	Py	0.1
273.43	275.73	2.30	PRO	MG	Strongly propylitic altered monzonite with pervasive calcite seams with oxide staining. Fractures are oxide stained. Minor aplite dykes up to 2 centimetres wide.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		OXI	2I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
275.73	293.24	17.51	PHC	MG	Strongly phyllic altered monzonite with mineralized fluidized (silicified_ breccias. Quartz veins with blebby pyrite-chalcopyrite and molybdenite. Chlorite seams with pyrite +/- chalcopyrite +/- molybdenite . Chlorite seams at 3 per metre.							
						LT	GN	XL	PHC	4I	Py	0.2
						LT	TN					
293.24	324.00	30.76	FFP	MG	Strongly phyllic altered quartz-feldspar porphyry dyke with moderate to strong quartz-carbonate veining. Top contact defined by hydrothermal mosaic breccia with silicified dark grey matrix and dark grey, white and buff angular to sub-angular clasts less than 1 millimetre to 1 x 1 centimetre. Moderate clay altered locally. Dark grey to black silicified veins with blebby pyrite +/- chalcopyrite +/- molybdenite. Tourmaline? Stringers. Minor disseminated molybdenite stringers. Approximately 2 centimetre interval of moderately to strongly hematite brecciated (crackle breccia) zone with quartz-carbonate veins with pyrite along selvages. Intermittent fault intervals defined by hematite-oxide-clay altered zones.							
						LT	GY	PO	PHC	4I	Py	0.1
						--	WH					
324.00	329.98	5.98	PHC	MG	Light green, strongly phyllic altered monzonite. Moderate quartz veining +/- dark grey pyritiferous selvages. Hematite stringers occasionally along selvages.							
						LT	GN	XL	PHC	4I	Py	0.1
329.98	331.06	1.08	PRO	MG	Strongly propylitic +/- sericite altered monzonite. Moderate quartz veinlets and calcite veinlets. No visible mineralization.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN		SER	2I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
331.06	345.05	13.99	PHC	MG	Light green, medium grained, strongly phyllic altered monzonite. Weak quartz-carbonate veins/stringers with pyrite-chalcopyrite-molybdenite. Minor light grey, translucent quartz veins up to 1.5 centimetres.1 1.5 centimetre light grey translucent quartz vein with milky white selvages hosting 5 percent pyrite, 2% molybdenite and 0.1% chalcopyrite. Minor fault zones defined by weak oxide and strong clay alteration.							
						LT	GN	XL	PHC	5I	Py	0.1
345.05	345.55	0.50	PRO	MG	Strongly propylitic altered, dark grey to green monzonite. Minor quartz veinlets pervasive.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN					
						DK	PU					
345.55	346.64	1.09	AND	FG	Zone of strongly sericite altered hornfels-biotite-schist and strongly phyllic altered fine grained andesite with strong breccia zones intermittently. Breccia is about 15 centimetres wide and consists of polymictic light to medium green fluorite? Clasts, phyllic altered monzonite clasts within an ankerite matrix.							
						LT	GN	BX	PHC	4I	--	0
						LT	GY					
346.64	349.77	3.13	PRO	MG	Strongly propylitic altered, dark grey to green monzonite. Minor aplite dykes and trace chlorite seams hosting blebby pyrite and chalcopyrite (2 percent chalcopyrite and 1 percent pyrite).							
						DK	GY					
						DK	PU					
						DK	GN	XL	PRO	4I	--	0
349.77	350.30	0.53	PHC	MG	Light green to medium grey phyllic altered monzonite. Minor quartz-carbonate veins hosting trace blebby molybdenite and hematite along selvages.							
						LT	GN	XL	PHC	4I	Py	0.1
350.30	352.32	2.02	AND	FG	Dark green-grey fine grained andesite with weak quartz eyes? Phenocrysts sparse, difficult to determine if its porphyritic or not. Moderate quartz-calcite stringers pervasive. Trace blebby pyrite-chalcopyrite replacing mafics. Last 30 centimetres of interval are propylitic altered monzonite into sericite-chlorite altered monzonite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	---	---	--	--	0
						DK	GY					
352.32	353.37	1.05	PHC	MG	Light green, medium grained phyllic altered monzonite. Trace pyrite disseminated with trace chalcopyrite within chlorite seams.							
						LT	GN	XL	PHC	4I	Py	0.1
353.37	355.85	2.48	PRO	MG	Dark green-grey, medium grained phyllic altered monzonite. Minor quartz-carbonate veinlets pervasive. No visible mineralization.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY					
355.85	357.46	1.61	PHC	MG	Light green, medium grained, phyllic altered monzonite. Moderate barren quartz-carbonate veining. Trace chlorite stringers hosting moderate pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1
357.46	358.85	1.39	PRO	MG	Dominantly propylitic altered monzonite with minor phyllic altered monzonite associated with barren light grey quartz veins with milky white selvages.							
						DK	GY	XL	PRO	4I	--	0
						DK	GN					
358.85	360.02	1.17	PHC	MG	Light green, medium grained phyllic altered monzonite. Minor oxide staining along fractures. Minor quartz-veinlets.							
						LT	GN	XL	PHC	5I	Py	0.1
									OXI	2I		
360.02	360.94	0.92	AND	FG	Dark green andesite with minor light green phyllic altered andesite. Top 40 centimetres of interval are brecciated with light grey clasts rimmed by combed milky grey quartz.							
						LT	GN		OXI	2I		
						DK	GN	---	PHC	2I	--	0
360.94	361.68	0.74	PHC	MG	Light green, medium grained phyllic altered monzonite. Halo of andesite dyke most likely.							
						LT	GN	XL	PHC	4I	Py	0.1
361.68	364.57	2.89	PRO	MG	Dark grey-green, propylitic altered monzonite. Intermittent moderately phyllic altered monzonite associated with barren quartz veins. Trace pyrite +/- molybdenite seams in chlorite.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
364.57	366.06	1.49	PHC	MG	Light green to medium green phyllic altered monzonite. Minor clay alteration for about 5 centimetres in middle of interval. Quartz veins up to 2 centimetres found locally (barren).							
						LT	GN	XL	PHC	4I	Py	0.1
									CLY	1I		
366.06	371.02	4.96	PRO	MG	Dark green-grey propylitic altered monzonite with minor intermittent moderately phyllic altered monzonite. Propylitic altered monzonite hosts trace fine grained patches/seams of pyrite and chalcopyrite. Minor hematite veinlets found locally.							
						DK	GN	XL	PRO	4I	--	0
						DK	GY		PHC	1I		
371.02	377.21	6.19	PHC	MG	Light green, medium grained strongly phyllic altered monzonite. Moderate quartz veins mostly barren, but few with chalcopyrite and pyrite. Minor breccias found intermittently for last 1.5 metres with or without mineralization. About 1.5 centimetre quartz vein hosting 5 percent chalcopyrite and 1 percent pyrite.							
						LT	GN	XL	PHC	4I	Py	0.1
											Cp	0.1
377.21	384.25	7.04	AND	FG	Light green to dark green (phyllic altered) basalt with fine grained calcite filled amygdule's. Two weakly mineralized breccias found intermittently hosting weak blebby chalcopyrite. Last 38 centimetres of interval at bottom contact hosts fluidized hydrothermal breccia comprising dark grey silicified matrix supported breccia with relict andesite clasts up to 5 x 3 centimetres. Last 10 centimetres hosts significant chalcopyrite-pyrite (10% chalcopyrite and 5% pyrite) within sheared silicified breccia.							
						LT	GN	BX	PHC	4I	Py	0.1
						DK	GN				Cp	0.1
384.25	398.85	14.60	PRO	MG	Dark green-grey, medium grained propylitic altered monzonite. Minor phyllic altered monzonite found intermittently. Trace aplite dykes. Weak quartz-calcite veinlets pervasive throughout phyllic altered monzonite hosting barren light grey-white quartz veining/flooding. Trace blebby chalcopyrite within propylitic altered monzonite.							
						DK	GN		PHC	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	XL	PRO	4I	--	0
398.85	401.90	3.05	PHC	MG	Light green phyllic altered monzonite. About 20 centimetre moderate clay altered fault zone with no visible mineralization. Moderate minor quartz veins (barren).							
						LT	GN	XL	PHC	4I	Py	0.1
									CLY	3I		
									OXI	2I		
401.90	432.81	30.91	PRO	MG	Dark green-grey, medium grained propylitic altered monzonite. Trace chlorite-chalcopyrite +/- molybdenite veinlets pervasive, but widely spaced (1 per 5 metres). Appear to be getting into some B-veins with molybdenite +/- chalcopyrite within potassium feldspar selvages. Not well formed or clear cut.							
						DK	GN	XL	PRO	4I	Py	0.1
						DK	GY				Cp	0.01
											mo	0.01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.04	3.04	1.08	36	0.31	10	0R	--	1W	
3.04	6.09	3.05	2.64	87	1.08	35	0R	--	3W	
6.09	9.14	3.05	2.67	88	1.83	60	0R	--	1W	
9.14	12.19	3.05	3.05	100	1.45	48	0R	--	3W	
12.19	15.24	3.05	3.05	100	1.05	34	0R	--	2W	
15.24	18.28	3.04	3.04	100	2.19	72	0R	--	3W	
18.28	21.33	3.05	3.05	100	1.86	61	0R	--	2W	
21.33	24.38	3.05	3.05	100	2.39	78	0R	--	2W	
24.38	27.43	3.05	3.05	100	2.23	73	0R	--	2W	
27.43	30.48	3.05	3.05	100	2.35	77	0R	--	1W	
30.48	33.52	3.04	3.04	100	2.14	70	0R	--	2W	
33.52	36.57	3.05	3.05	100	2.02	66	0R	--	2W	
36.57	39.62	3.05	3.05	100	2.00	66	0R	--	2W	
39.62	42.67	3.05	3.05	100	2.21	72	0R	--	2W	
42.67	45.72	3.05	3.05	100	2.34	77	0R	--	1W	
45.72	48.76	3.04	3.04	100	2.19	72	0R	--	2W	
48.76	51.81	3.05	3.05	100	2.24	73	0R	--	1W	
51.81	54.86	3.05	3.05	100	2.66	87	1R	--	1W	
54.86	57.91	3.05	3.05	100	2.91	95	0R	--	1W	
57.91	60.96	3.05	3.05	100	2.82	92	0R	--	1W	
60.96	64.00	3.04	3.04	100	2.94	97	1R	--	1W	
64.00	67.05	3.05	3.05	100	2.98	98	0R	--	1W	
67.05	70.10	3.05	3.05	100	2.91	95	0R	--	1W	
70.10	72.84	2.74	2.74	100	2.51	92	0R	--	2W	
72.84	75.28	2.44	2.44	100	2.26	93	0R	--	2W	
75.28	78.33	3.05	3.05	100	2.62	86	1R	--	1W	
78.33	79.24	0.91	0.91	100	0.91	100	0R	--	1W	
79.24	82.29	3.05	3.05	100	2.70	89	0R	--	1W	
82.29	85.34	3.05	3.05	100	3.05	100	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
85.34	88.39	3.05	3.05	100	2.95	97	0R	--	1W	
88.39	91.44	3.05	3.05	100	2.90	95	0R	--	1W	
91.44	94.48	3.04	3.04	100	3.04	100	0R	--	1W	
94.48	97.53	3.05	3.05	100	2.83	93	0R	--	1W	
97.53	100.58	3.05	3.05	100	2.97	97	0R	--	1W	
100.58	103.02	2.44	2.44	100	2.39	98	0R	--	1W	
103.02	106.07	3.05	3.05	100	2.75	90	1R	--	1W	
106.07	109.11	3.04	3.04	100	2.55	84	0R	--	1W	
109.11	111.55	2.44	2.44	100	1.81	74	0R	--	1W	
111.55	114.60	3.05	3.05	100	2.70	89	0R	--	1W	
114.60	115.82	1.22	1.22	100	1.18	97	2R	--	1W	
115.82	118.87	3.05	3.05	100	1.93	63	0R	--	1W	
118.87	121.92	3.05	3.05	100	3.05	100	2R	--	2W	
121.92	124.97	3.05	3.05	100	2.75	90	2R	--	1W	
124.97	128.02	3.05	3.05	100	2.54	83	0R	--	2W	
128.02	131.06	3.04	3.04	100	2.75	90	0R	--	3W	
131.06	134.11	3.05	3.05	100	3.05	100	0R	--	2W	
134.11	137.16	3.05	3.05	100	2.57	84	0R	--	1W	
137.16	140.21	3.05	3.05	100	3.03	99	2R	--	1W	
140.21	143.26	3.05	2.69	88	1.44	47	0R	--	4W	
143.26	146.30	3.04	3	99	1.26	41	1R	--	4W	
146.30	148.13	1.83	1.53	84	0.97	53	1R	--	1W	
148.13	150.27	2.14	2.12	99	1.27	59	1R	--	4W	
150.27	151.49	1.22	1.07	88	0.24	20	0R	--	4W	
151.49	153.92	2.43	2.17	89	0.80	33	0R	--	4W	
153.92	156.97	3.05	3.05	100	1.61	53	0R	--	1W	
156.97	158.50	1.53	1.53	100	0.68	44	0R	--	3W	
158.50	159.41	0.91	0.78	86	0.25	27	0R	--	4W	
159.41	161.54	2.13	1.95	92	0.88	41	0R	--	4W	
161.54	164.59	3.05	3.05	100	1.87	61	1R	--	3W	
164.59	166.73	2.14	1.62	76	1.31	61	1R	--	4W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
166.73	169.77	3.04	2.8	92	1.68	55	1R	--	4W	
169.77	171.30	1.53	1.25	82	0.47	31	1R	--	4W	
171.30	173.74	2.44	2.44	100	2.21	91	0R	--	1W	
173.74	176.78	3.04	3.04	100	2.35	77	0R	--	1W	
176.78	179.83	3.05	3.05	100	2.94	96	0R	--	1W	
179.83	182.88	3.05	3.05	100	2.82	92	1R	--	2W	
182.88	185.93	3.05	2.89	95	1.95	64	0R	--	1W	
185.93	188.98	3.05	3.05	100	1.55	51	0R	--	1W	
188.98	192.02	3.04	3.04	100	1.90	63	0R	--	1W	
192.02	195.07	3.05	3.05	100	2.42	79	0R	--	1W	
195.07	198.12	3.05	3.05	100	2.64	87	2R	--	1W	
198.12	201.17	3.05	3.05	100	2.51	82	1R	--	1W	
201.17	203.00	1.83	1.83	100	1.40	77	1R	--	1W	
203.00	204.22	1.22	1.22	100	0.55	45	0R	--	2W	
204.22	207.26	3.04	3.04	100	1.37	45	0R	--	3W	
207.26	210.31	3.05	3.05	100	2.20	72	0R	--	2W	
210.31	212.75	2.44	2.44	100	1.60	66	0R	--	2W	
212.75	215.19	2.44	2.44	100	1.61	66	1R	--	1W	
215.19	215.80	0.61	0.61	100	0.44	72	0R	--	1W	
215.80	218.85	3.05	3.05	100	2.28	75	0R	--	1W	
218.85	221.89	3.04	3.04	100	2.74	90	0R	--	1W	
221.89	224.94	3.05	3.05	100	2.13	70	0R	--	2W	
224.94	227.99	3.05	2.78	91	0.60	20	0R	--	1W	
227.99	231.04	3.05	3.05	100	0.40	13	0R	--	3W	
231.04	234.70	3.66	3.66	100	1.73	47	0R	--	1W	
234.70	237.74	3.04	2.9	95	1.01	33	0R	--	2W	
237.74	240.79	3.05	3.05	100	2.23	73	0R	--	1W	
240.79	243.84	3.05	2.86	94	1.63	53	0R	--	1W	
243.84	246.89	3.05	3.05	100	2.57	84	0R	--	1W	
246.89	249.94	3.05	3.05	100	2.62	86	0R	--	1W	
249.94	252.98	3.04	3.04	100	2.08	68	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
252.98	256.03	3.05	3.05	100	2.17	71	0R	--	1W	
256.03	259.08	3.05	3.05	100	2.06	68	0R	--	1W	
259.08	262.13	3.05	3.05	100	1.79	59	0R	--	1W	
262.13	265.18	3.05	3.05	100	1.48	49	0R	--	1W	
265.18	268.22	3.04	3.04	100	2.16	71	0R	--	1W	
268.22	271.27	3.05	3.05	100	2.80	92	0R	--	1W	
271.27	274.32	3.05	3.05	100	2.40	79	0R	--	1W	
274.32	277.37	3.05	3.05	100	1.45	48	0R	--	1W	
277.37	280.42	3.05	3.05	100	2.15	70	0R	--	1W	
280.42	283.46	3.04	3.04	100	2.23	73	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.34	77	0R	--	1W	
286.51	289.56	3.05	3.05	100	2.33	76	0R	--	1W	
289.56	292.61	3.05	3.05	100	2.03	67	0R	--	1W	
292.61	295.66	3.05	2.91	95	1.65	54	0R	--	1W	
295.66	298.70	3.04	3.04	100	1.94	64	0R	--	1W	
298.70	301.75	3.05	3.05	100	2.86	94	0R	--	1W	
301.75	304.80	3.05	2.7	89	2.05	67	0R	--	1W	
304.80	307.85	3.05	3.05	100	1.09	36	0R	--	2W	
307.85	310.90	3.05	3.05	100	1.14	37	0R	--	2W	
310.90	313.95	3.05	3.05	100	1.73	57	0R	--	2W	
313.95	316.99	3.04	3.04	100	1.82	60	0R	--	1W	
316.99	320.04	3.05	3.05	100	0.00	0	0R	--	1W	
320.04	322.17	2.13	1.72	81	0.59	28	0R	--	1W	
322.17	324.00	1.83	1.83	100	0.72	39	0R	--	1W	
324.00	327.05	3.05	3.05	100	2.91	95	0R	--	1W	
327.05	329.18	2.13	2.13	100	1.75	82	0R	--	1W	
329.18	332.23	3.05	2.86	94	2.52	83	0R	--	1W	
332.23	333.15	0.92	0.92	100	0.00	0	0R	--	1W	
333.15	335.28	2.13	2.13	100	1.59	75	0R	--	1W	
335.28	338.33	3.05	3.05	100	2.70	89	0R	--	1W	
338.33	340.77	2.44	2.44	100	1.28	52	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
340.77	343.81	3.04	3.04	100	1.93	63	0R	--	1W	
343.81	346.86	3.05	3.05	100	2.77	91	1R	--	1W	
346.86	349.91	3.05	3.05	100	2.80	92	1R	--	1W	
349.91	352.96	3.05	3.05	100	2.53	83	0R	--	1W	
352.96	355.09	2.13	1.68	79	1.55	73	0R	--	1W	
355.09	356.31	1.22	1.22	100	0.93	76	0R	--	1W	
356.31	359.36	3.05	3.05	100	2.14	70	0R	--	1W	
359.36	360.88	1.52	1.41	93	0.50	33	0R	--	1W	
360.88	362.71	1.83	1.83	100	1.77	97	0R	--	1W	
362.71	365.76	3.05	3.05	100	2.19	72	0R	--	1W	
365.76	368.81	3.05	3.05	100	2.42	79	0R	--	1W	
368.81	371.86	3.05	3.05	100	2.14	70	0R	--	1W	
371.86	374.90	3.04	3.04	100	1.79	59	0R	--	1W	
374.90	377.95	3.05	2.86	94	1.24	41	0R	--	1W	
377.95	381.00	3.05	3.05	100	1.70	56	0R	--	1W	
381.00	384.05	3.05	2.81	92	1.09	36	0R	--	1W	
384.05	387.10	3.05	3.05	100	1.87	61	0R	--	1W	
387.10	390.14	3.04	3.04	100	2.70	89	0R	--	1W	
390.14	393.19	3.05	3.05	100	2.72	89	0R	--	1W	
393.19	396.24	3.05	3.05	100	2.84	93	0R	--	1W	
396.24	399.29	3.05	3.05	100	1.79	59	0R	--	1W	
399.29	402.34	3.05	3.05	100	1.37	45	0R	--	2W	
402.34	405.38	3.04	3.04	100	2.64	87	0R	--	1W	
405.38	408.43	3.05	3.05	100	1.85	61	0R	--	1W	
408.43	411.48	3.05	3.05	100	2.07	68	0R	--	1W	
411.48	414.53	3.05	3.05	100	1.95	64	0R	--	1W	
414.53	417.58	3.05	3.05	100	2.12	70	0R	--	1W	
417.58	420.62	3.04	3.04	100	1.43	47	0R	--	1W	
420.62	423.67	3.05	3.05	100	1.88	62	0R	--	1W	
423.67	426.72	3.05	3.05	100	2.00	66	0R	--	1W	
426.72	429.77	3.05	3.05	100	2.27	74	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
429.77	432.81	3.04	2.44	80	1.71	56	0R	--	1W	

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	R608400	☐	15-020	pink	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017766	☐	15-020	pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017782	☐	15-021	b/w	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017792	☐	15-021	b/w		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017795	☐	15-021	b/w	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017798	☐	15-021	b/w		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017820	☐	15-022	y/b		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017823	☐	15-022	y/b	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017835	☐	15-022	y/b	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017842	☐	15-022	y/b		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017848	☐	15-023	o/g	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017850	☐	15-023	o/g		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017854	☐	15-023	o/g		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	R608390	☐	15-020	pink	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017753	☐	15-020	pink		☑	☐	☐
9.87	11.87	2.00	PRO	2.00	100	R608383	☐	15-019	g/o/d		☐	☐	☐
11.87	14.40	2.53	PRO	2.53	100	R608384	☐	15-019	g/o/d		☐	☐	☐
14.40	16.40	2.00	PRO	1.76	88	R608385	☐	15-020	pink		☐	☐	☐
61.70	63.30	1.60	HBS	1.60	100	R608386	☐	15-020	pink		☐	☐	☐
63.30	64.94	1.64	SKN, HBS	1.64	100	R608387	☐	15-020	pink		☐	☐	☐
64.94	66.47	1.53	SKN, HBS	1.53	100	R608388	☐	15-020	pink		☐	☐	☐
71.04	72.34	1.30	HBS	1.30	100	R608389	☐	15-020	pink		☐	☐	☐
72.34	73.62	1.28	HBS	1.28	100	R608391	☐	15-020	pink		☐	☐	☐
73.62	74.92	1.30	HBS	1.30	100	R608392	☐	15-020	pink		☐	☐	☐
105.90	107.88	1.98	SKN	1.98	100	R608393	☐	15-020	pink		☐	☐	☐

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
107.88	110.88	3.00	PRO, SKN	3.00	100	R608394	☐	15-020	pink		☐	☐	☐
107.88	110.88	3.00	PRO, SKN	3.00	100	R608395	☐	15-020	pink		☐	☑	☐
110.88	113.88	3.00	SKN	3.00	100	R608396	☐	15-020	pink		☐	☐	☐
113.88	116.23	2.35	SKN	2.35	100	R608397	☐	15-020	pink		☐	☐	☐
116.23	119.23	3.00	PRO, SKN	3.00	100	R608398	☐	15-020	pink		☐	☐	☐
119.23	121.72	2.49	PRO	2.49	100	R608399	☐	15-020	pink		☐	☐	☐
121.72	122.93	1.21	PRO	1.21	100	Q017751	☐	15-020	pink		☐	☐	☐
122.93	125.98	3.05	SKN	3.05	100	Q017752	☐	15-020	pink		☐	☐	☐
125.98	127.36	1.38	SKN	1.38	100	Q017754	☐	15-020	pink		☐	☐	☐
127.36	129.27	1.91	SKN	1.91	100	Q017755	☐	15-020	pink		☐	☐	☐
129.27	130.58	1.31	PRO, SKN	1.31	100	Q017756	☐	15-020	pink		☐	☐	☐
130.58	133.06	2.48	PRO, QBS	2.48	100	Q017757	☐	15-020	pink		☐	☐	☐
130.58	133.06	2.48	PRO, QBS	2.48	100	Q017758	☐	15-020	pink		☐	☐	☑
133.06	136.06	3.00	QBS, PRO	3.00	100	Q017759	☐	15-020	pink		☐	☐	☐
136.06	139.74	3.68	PRO	3.68	100	Q017760	☐	15-020	pink		☐	☐	☐
139.74	142.74	3.00	AND, PHC	2.56	85	Q017761	☐	15-020	pink		☐	☐	☐
142.74	145.74	3.00	PHC	2.66	89	Q017762	☐	15-020	pink		☐	☐	☐
145.74	148.74	3.00	PHC	2.94	98	Q017763	☐	15-020	pink		☐	☐	☐
148.74	149.74	1.00	PHC	0.90	90	Q017764	☐	15-020	pink		☐	☐	☐
149.74	150.74	1.00	PHC	0.88	88	Q017765	☐	15-020	pink		☐	☐	☐
150.74	151.74	1.00	PHC	1.00	100	Q017767	☐	15-020	pink		☐	☐	☐
151.74	154.74	3.00	PHC	2.33	78	Q017768	☐	15-020	pink		☐	☐	☐
154.74	155.75	1.01	PHC	1.01	100	Q017769	☐	15-020	pink		☐	☐	☐
155.75	158.75	3.00	PHC	3.00	100	Q017770	☐	15-020	pink		☐	☐	☐

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
158.75	161.54	2.79	PHC	2.09	75	Q017771	☐	15-021	b/w		☐	☐	☐
161.54	164.54	3.00	FAP, PHC	2.87	96	Q017772	☐	15-021	b/w		☐	☐	☐
164.54	167.54	3.00	PRO	3.00	100	Q017773	☐	15-021	b/w		☐	☐	☐
167.54	170.54	3.00	PRO	2.89	96	Q017774	☐	15-021	b/w		☐	☐	☐
170.54	172.58	2.04	PRO	1.90	93	Q017775	☐	15-021	b/w		☐	☐	☐
172.58	175.58	3.00	PRO	3.00	100	Q017776	☐	15-021	b/w		☐	☐	☐
172.58	175.58	3.00	PRO	3.00	100	Q017777	☐	15-021	b/w		☐	☑	☐
175.58	178.58	3.00	PRO	3.00	100	Q017778	☐	15-021	b/w		☐	☐	☐
178.58	181.58	3.00	PRO	3.00	100	Q017779	☐	15-021	b/w		☐	☐	☐
181.58	184.58	3.00	PRO	3.00	100	Q017780	☐	15-021	b/w		☐	☐	☐
184.58	187.58	3.00	PRO	3.00	100	Q017781	☐	15-021	b/w		☐	☐	☐
187.58	191.00	3.42	PRO	3.42	100	Q017783	☐	15-021	b/w		☐	☐	☐
191.00	193.92	2.92	HBS, PRO	2.92	100	Q017784	☐	15-021	b/w		☐	☐	☐
193.92	195.89	1.97	PRO	1.97	100	Q017785	☐	15-021	b/w		☐	☐	☐
195.89	197.08	1.19	SKN, PRO	1.19	100	Q017786	☐	15-021	b/w		☐	☐	☐
197.08	200.18	3.10	SKN, PRO	3.10	100	Q017787	☐	15-021	b/w		☐	☐	☐
200.18	202.70	2.52	PHC, SKN	2.52	100	Q017788	☐	15-021	b/w		☐	☐	☐
200.18	202.70	2.52	PHC, SKN	2.52	100	Q017789	☐	15-021	b/w		☐	☐	☑
202.70	205.70	3.00	PHC	3.00	100	Q017790	☐	15-021	b/w		☐	☐	☐
205.70	208.70	3.00	SKN	3.00	100	Q017791	☐	15-021	b/w		☐	☐	☐
208.70	210.30	1.60	SKN	1.60	100	Q017793	☐	15-021	b/w		☐	☐	☐
210.30	212.13	1.83	SKN	1.83	100	Q017794	☐	15-021	b/w		☐	☐	☐
212.13	215.03	2.90	SKN	2.90	100	Q017796	☐	15-021	b/w		☐	☐	☐
215.03	218.00	2.97	SKN, SKN	2.97	100	Q017797	☐	15-021	b/w		☐	☐	☐
218.00	220.62	2.62	SKN	2.62	100	Q017799	☐	15-021	b/w		☐	☐	☐

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
220.62	223.00	2.38	SKN, PHC	2.27	95	Q017800	☐	15-021	b/w		☐	☐	☐
223.00	225.97	2.97	BXA	2.97	100	Q017801	☐	15-021	b/w		☐	☐	☐
225.97	228.17	2.20	BXA, PHC	2.00	91	Q017802	☐	15-021	b/w		☐	☐	☐
228.17	230.18	2.01	BXA	2.01	100	Q017803	☐	15-021	b/w		☐	☐	☐
230.18	233.18	3.00	BXA, PHC	3.00	100	Q017804	☐	15-021	b/w		☐	☐	☐
233.18	236.18	3.00	PHC	3.00	100	Q017805	☐	15-021	b/w		☐	☐	☐
236.18	239.85	3.67	PHC	3.67	100	Q017806	☐	15-021	b/w		☐	☐	☐
239.85	240.85	1.00	PRO, SKN	1.00	100	Q017807	☐	15-022	y/b		☐	☐	☐
240.85	243.84	2.99	PHC	2.86	96	Q017808	☐	15-022	y/b		☐	☐	☐
243.84	246.84	3.00	PRO	3.00	100	Q017809	☐	15-022	y/b		☐	☐	☐
246.84	249.73	2.89	PHC	2.89	100	Q017810	☐	15-022	y/b		☐	☐	☐
249.73	250.73	1.00	FFP	1.00	100	Q017811	☐	15-022	y/b		☐	☐	☐
250.73	253.73	3.00	PRO, PHC	3.00	100	Q017812	☐	15-022	y/b		☐	☐	☐
253.73	256.03	2.30	PHC	2.30	100	Q017813	☐	15-022	y/b		☐	☐	☐
253.73	256.03	2.30	PHC	2.30	100	Q017814	☐	15-022	y/b		☐	☐	☑
256.03	258.56	2.53	PHC	2.53	100	Q017815	☐	15-022	y/b		☐	☐	☐
258.56	262.11	3.55	PHC	3.55	100	Q017816	☐	15-022	y/b		☐	☐	☐
262.11	263.73	1.62	FFP, PHC	1.62	100	Q017817	☐	15-022	y/b		☐	☐	☐
274.73	275.73	1.00	PRO	1.00	100	Q017818	☐	15-022	y/b		☐	☐	☐
275.73	276.73	1.00	PHC, PRO	1.00	100	Q017819	☐	15-022	y/b		☐	☐	☐
276.73	277.73	1.00	PHC	1.00	100	Q017821	☐	15-022	y/b		☐	☐	☐
277.73	280.70	2.97	PHC	2.97	100	Q017822	☐	15-022	y/b		☐	☐	☐
280.70	281.70	1.00	PHC	1.00	100	Q017824	☐	15-022	y/b		☐	☐	☐
281.70	284.00	2.30	PHC	2.30	100	Q017825	☐	15-022	y/b		☐	☐	☐
284.00	287.00	3.00	PHC	3.00	100	Q017826	☐	15-022	y/b		☐	☐	☐

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
284.00	287.00	3.00	PHC	3.00	100	Q017827	☐	15-022	y/b		☐	☑	☐
287.00	290.00	3.00	PHC	3.00	100	Q017828	☐	15-022	y/b		☐	☐	☐
290.00	292.50	2.50	PHC	2.50	100	Q017829	☐	15-022	y/b		☐	☐	☐
292.50	294.01	1.51	PHC	1.45	96	Q017830	☐	15-022	y/b		☐	☐	☐
294.01	295.66	1.65	FFP	1.57	95	Q017831	☐	15-022	y/b		☐	☐	☐
303.78	305.00	1.22	FFP	1.22	100	Q017832	☐	15-022	y/b		☐	☐	☐
305.00	306.22	1.22	FFP	1.22	100	Q017833	☐	15-022	y/b		☐	☐	☐
306.22	308.00	1.78	FFP	1.78	100	Q017834	☐	15-022	y/b		☐	☐	☐
308.00	310.90	2.90	FFP	2.72	94	Q017836	☐	15-022	y/b		☐	☐	☐
310.90	312.05	1.15	FFP	1.15	100	Q017837	☐	15-022	y/b		☐	☐	☐
312.05	314.87	2.82	FFP	2.82	100	Q017838	☐	15-022	y/b		☐	☐	☐
314.87	316.57	1.70	FFP	1.70	100	Q017839	☐	15-022	y/b		☐	☐	☐
316.57	319.57	3.00	FFP	2.96	99	Q017840	☐	15-022	y/b		☐	☐	☐
319.57	322.00	2.43	FFP	2.11	87	Q017841	☐	15-022	y/b		☐	☐	☐
322.00	324.00	2.00	FFP	2.00	100	Q017843	☐	15-023	o/g		☐	☐	☐
340.24	341.24	1.00	PHC	1.00	100	Q017844	☐	15-023	o/g		☐	☐	☐
341.24	342.24	1.00	PHC	1.00	100	Q017845	☐	15-023	o/g		☐	☐	☐
342.24	343.49	1.25	PHC	1.25	100	Q017846	☐	15-023	o/g		☐	☐	☐
374.62	376.62	2.00	PHC	2.00	100	Q017847	☐	15-023	o/g		☐	☐	☐
376.62	378.36	1.74	PHC	1.50	86	Q017849	☐	15-023	o/g		☐	☐	☐
378.36	380.16	1.80	AND	1.80	100	Q017851	☐	15-023	o/g		☐	☐	☐
380.16	383.25	3.09	AND	3.09	100	Q017852	☐	15-023	o/g		☐	☐	☐
383.25	384.25	1.00	AND	0.93	93	Q017853	☐	15-023	o/g		☐	☐	☐
384.25	385.25	1.00	PRO, AND	1.00	100	Q017855	☐	15-023	o/g		☐	☐	☐
384.25	385.25	1.00	PRO, AND	1.00	100	Q017856	☐	15-023	o/g		☐	☐	☑

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397127	6797527	1377	399.29

ZONE: Hopper

SECTION:

HOLE: HOP-15-006

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 3.05m, Out

Drilling Dates: Jul 28 - Aug 02, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
21.33	262	-69.8	Ranger
396.24	291.2	-68.1	Ranger

TARGET: North Skarn

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.85	2.85	OVB
2.85	6.5	3.65	GRD
6.5	28.12	21.62	HBS
28.12	29.6	1.48	SKN
29.6	30.14	0.54	FAP
30.14	35.66	5.52	CSL
35.66	38.77	3.11	HBS
38.77	43.28	4.51	SKN
43.28	48.71	5.43	HBS
48.71	49.54	0.83	CSL
49.54	52.6	3.06	HBS
52.6	55.12	2.52	SKN
55.12	57.66	2.54	HBS
57.66	63.91	6.25	SKN
63.91	68.98	5.07	HBS
68.98	73.52	4.54	SKN

SAMPLES	
Numbers:	K288401 to K288432, Q017857 to Q017900
Total:	76
Batch:	024, 025, 026
Certificates:	WH15115884, WH15115886, WH15119587

COMMENTS

73.52	77.32	3.8	HBS
77.32	79.14	1.82	SKN
79.14	82.74	3.6	SKN
82.74	84.25	1.51	SKN
84.25	108.72	24.47	HBS
108.72	112.15	3.43	SKN
112.15	173.12	60.97	HBS
173.12	177.04	3.92	HBS
177.04	186.23	9.19	HBS
186.23	188.61	2.38	SKN
188.61	190.73	2.12	FFP
190.73	215.25	24.52	HBS
215.25	220.39	5.14	MNZ
220.39	260.34	39.95	HBS
260.34	261.99	1.65	SKN
261.99	274.63	12.64	HBS
274.63	275.01	0.38	MNZ
275.01	298.74	23.73	HBS
298.74	304.97	6.23	PHC
304.97	309.62	4.65	MNZ
309.62	310.36	0.74	GRN
310.36	339.87	29.51	HBS
339.87	340.43	0.56	CSL
340.43	351.73	11.3	HBS
351.73	374.94	23.21	FFP
374.94	376.85	1.91	HBS
376.85	383.78	6.93	FAP
383.78	396.88	13.1	HBS
396.88	399.29	2.41	HBS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.85	2.85	OVB	--	Overburden - skarn and propylitic altered granodiorite.							
						--	--	---	---	--	--	0
2.85	6.50	3.65	GRD	MG	Medium grained, medium grey to orange, strongly propylitic and oxide altered granodiorite. Moderate zone of strong clay and oxide altered granodiorite (fault). Much of the interval is strong oxide stained.							
						MD	OR	XL	OXI	4I	--	0
						MD	GY		PRO	5I		
6.50	28.12	21.62	HBS	FG	Strongly oxidized, well foliated, dark grey-purple to light grey to orange hornfels-biotite-schist. From 12.34-17.08 hosts strongly silicified quartz-carbonate breccia with mosaic textures. Local limonite filling vugs/voids. Moderate clay-oxide intervals (faults) with rubble comprise 20 percent of interval.							
						MD	OR	FO	OXI	5I		
						LT	GY					
						DK	PU	BX	CLY	3I	Li	1
						DK	GY					
28.12	29.60	1.48	SKN	FG	Well banded pyroxene-garnet skarn with silicified marble bands. A 5x3 centimetre magnetite patch with strong hematite alteration. Moderately silicified with weak calcite-oxide veinlets, which cut banding obliquely. Minor dark grey stylolites flank medium green quartz bands less than 1 centimetre wide.							
						LT	GN					
						LT	GY					
						DK	PK	BN	---	--	--	0
29.60	30.14	0.54	FAP	CG	Dark green to grey feldspar porphyry andesite dyke. Skarn/calc-silicate irregular xenoliths found periodically.							
						DK	GY	PO	---	--	--	0
						DK	GN		---	--		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
30.14	35.66	5.52	CSL	FG	Well banded silicified marble/wollastonite with minor garnet/pyroxene bands found intermittently. Minor intervals of banded pyroxene-garnet skarn (represents about 15 percent of interval) A 5 centimetre wide medium grained, strongly propylitic altered granodiorite dyke with 0.5 millimetre wide chlorite selvages cuts calc-silicate.							
						MD	GY		---	--		
						MD	GN					
						LT	GY	BN	---	--	--	0
35.66	38.77	3.11	HBS	FG	Dark grey-purple to light grey weakly oxidized, well foliated hornfels-biotite-schist. Weak chlorite veinlets/seams with bleached selvages.							
						LT	GY	FO	OXI	2I	--	0
						DK	PU					
						DK	GY					
38.77	43.28	4.51	SKN	FG	Well banded pyroxene-garnet skarn with trace blebby chalcopyrite over a 10 centimetre interval. Minor magnetite stringers. Minor chalcopyrite associated with trace disseminated magnetite. Chlorite stringers found pervasively and cut bands obliquely. Minor epidote patches/blebs/stringers found locally.							
						MD	GN	BN	---	--	Mg	0.1
						DK	GN				Cp	0.1
						DK	PK					
43.28	48.71	5.43	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor chlorite alteration with moderate chlorite veinlets/seams pervasive. Weakly to moderately oxidized along fractures and within calcite veinlets. Moderately magnetic and minor garnet crystals found locally.							
						LT	GY	FO	CHL	2I	--	0
						DK	PU					
						DK	GY					
48.71	49.54	0.83	CSL	FG	Well banded/foliated pyroxene-garnet calc-silicate/skarn. Minor epidote alteration as veinlets. Moderately silicified. Patches of medium grained tourmaline with pyrite (minor).							
						LT	GN	FO	EPI	1I		
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	BN	SIL	3I	--	0
49.54	52.60	3.06	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor (10 centimetre) banded garnet-pyroxene skarn. Local zones of weak chlorite alteration. Weak chlorite veinlets pervasive. Trace calcite veinlets.							
						LT	GY					
						DK	PU	FO	CHL	2I	--	0
						DK	GY					
52.60	55.12	2.52	SKN	FG	Well banded pyroxene-garnet-pyrrhotite skarn. Minor silicified marble/pyroxene banded calc-silicate and hornfels-biotite-schist found intermittently. Pyrrhotite found as blebs locally within skarn. Minor calcite veinlets found locally.							
						MD	GN					
						LT	GY					
						DK	PK	BN	SIL	2I	--	0
55.12	57.66	2.54	HBS	FG	Weakly foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor blebby pyrite and pyrrhotite veinlets found locally.							
						LT	GY	FO	---	--	Py	0.1
						DK	GY		---	0I		
						DK	PU					
57.66	63.91	6.25	SKN	FG	Not complete Pyroxene-chlorite-magnetite skarn. Well banded with minor diopside-garnet skarn. Moderate calcite veins with hematite selvages pervasive. Looks like garnet has retrograded to chlorite. 10 centimetre zone with chalcopyrite, magnetite, pyrrhotite and pyrite as blebs with chalcopyrite-pyrite chlorite stringers. Interval hosts trace disseminated chalcopyrite and pyrite. Weak pyrite chalcopyrite veinlets/seams.							
						LT	GY				Cp	0.1
						DK	GN	BN	HEM	2I	Mg	0.5
						DK	PU				Py	0.1
											Po	0.1
63.91	68.98	5.07	HBS	FG	Dark grey-purple to light grey hornfels-biotite-schist. Weakly chlorite altered. Blebby pyrite found along foliation locally. Oxide staining along fractures and within calcite veinlets (minor)							
						LT	GY					
						DK	GY	FO	OXI	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		CHL	1I		
68.98	73.52	4.54	SKN	FG	Well banded pyroxene-garnet skarn (first half of interval) and silicified marble/wollastonite with minor intervals of pyroxene with or without garnet skarn (second half of interval). Minor chlorite-epidote veins/veinlets found locally. Pyroxene-garnet skarn at top of hole starting to get mottled textures.							
						MD	GN	BN	CHL	1I	--	0
						DK	PK		EPI	1I		
73.52	77.32	3.80	HBS	FG	Well foliated, dark grey-purple to light grey to medium green, moderately chlorite altered hornfels-biotite-schist. Minor oxidized carbonate breccias with moderate fuchsite and sericite alteration. Approximately 50 centimetre zones of crackle brecciated and sheared textures within strongly chlorite altered hornfels-biotite-schist envelopes breccia.							
						LT	GY	FO	CHL	3I	--	0
						DK	PU					
						DK	GY					
77.32	79.14	1.82	SKN	FG	Chlorite-pyroxene skarn. Massive with black "pock" marks similar to HOP-DDH-11-01 gold-rich zone above magnetite skarn. Trace chalcopyrite blebs disseminated and chalcopyrite hosted within chlorite veinlets. Last 20 centimetre transitions into diopside skarn with magnetite stringers with or without disseminated magnetite.							
						MD	GN	MA	CHL	3I	Cp	0.1
											Mg	0.5
79.14	82.74	3.60	SKN	FG	Massive magnetite skarn with minor relict diopside being replaced by magnetite. Disseminated pyrite and weak chalcopyrite. Patches of chalcopyrite and pyrite up to 1 by 1 centimetre found locally. Zones of strong actinolite alteration defined by needs of actinolite with magnetite.							
						DK	GN	MA	---	--	Py	2
						--	BL				Cp	0.5
											Mg	60

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
82.74	84.25	1.51	SKN	FG	Diopside-actinolite skarn with disseminated/blebby magnetite and magnetite veins hosting blebby chalcopyrite and pyrite. Chalcopyrite and pyrite also found as disseminated and blebs - higher abundance near top of interval and gradually becomes less mineralized near the bottom contact. Interval is weakly epidote altered.							
						MD	GN				Mg	5
						DK	GN				Cp	2
						--	BL	---	EPI	2I	Py	1
84.25	108.72	24.47	HBS	FG	Well foliated, dark grey-purple to light grey-orange hornfels-biotite-schist. Minor zones of breccia comprising 0.5 millimetre calcite matrix in clast supported mosaic breccia. Oxide staining on core, along fractures and within calcite veinlets/seams. Minor zones of strong oxide altered zones with abundant calcite-quartz veins/seams.							
						LT	OR					
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
108.72	112.15	3.43	SKN	FG	Diopside-actinolite-garnet-magnetite-pyrrhotite skarn, well banded silicified marble/wollastonite and massive to mottled pyroxene-garnet skarn. From 108.72-109.80 metres hosts banded silicified marble/wollastonite calc-silicate. From 109.80-110.71 metres hosts massive to mottled pyroxene-garnet skarn with moderate epidote alteration. From 110.71-112.15 metres hosts diopside-actinolite-magnetite-pyrrhotite skarn with blebby chalcopyrite and pyrite. Moderate hematite alteration. Patches of epidote found locally within pyroxene-garnet skarn.							
						MD	GN	BN	EPI	1I	Cp	0.5
						DK	GN	MA			Py	0.5
								Mo			Po	1
											Mg	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
112.15	173.12	60.97	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Local zones of moderate sericite alteration with white/tan sericite, which is associated with silicified zones. Intermittent weakly to moderately chlorite altered intervals found pervasively. Strong silicified zones up to 1 metre wide occasionally host blebby/stringers of pyrite. Local garnet crystals up to 0.5 centimetres. Minor fuchsite alteration locally. 20 centimetre wide strongly sericite altered granodiorite dyke with 50-80 centimetre sericite altered hornfels-biotite-schist halos. One hydrothermal fluidized breccia/vein with trace chalcopyrite and pyrite (2 centimetres wide).							
						LT	GY	FO	OXI	1I	--	0
						DK	PU		SIL	1I		
						DK	GY		CHL	1I		
									SER	1I		
173.12	177.04	3.92	GBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Irregular quartz clasts are disseminated and makes up 5 percent of rock and range from 0.5 to 1 centimetre in size.							
						LT	GY	FO	CHL	1I	--	0
						DK	PU					
						DK	GY					
177.04	186.23	9.19	HBS	FG	Well foliated, dark grey-purple to light grey-tan hornfels-biotite-schist. Weakly oxide staining along fractures and within quartz-carbonate veined areas. Intermittent sericite banded intervals.							
						LT	GY					
						DK	GY					
						DK	PU					
						--	TN	FO	SER	2I	Py	0.1
186.23	188.61	2.38	SKN	FG	Diopside-actinolite-magnetite-pyrrhotite skarn. Well banded with blebby to patchy pyrrhotite, blebby to banded magnetite. Chalcopyrite and pyrite are disseminated and blebby. Minor hematite alteration of magnetite. Top 40 centimetres are well foliated pyroxene skarn and last 50 centimetres are strongly quartz-carbonate brecciated with moderate malachite staining on surface. Sulphides are converted to limonite. Breccia exploited open spaces along the dyke-skarn contact.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN				Cp	1
						DK	GN				Mg	10
						--	BL	BN	HEM	1I	Po	5
											Py	1
188.61	190.73	2.12	FFP	CG	Strongly sericite altered, weakly clay altered, moderately to strongly brecciated and strongly oxidized felsic feldspar porphyry dyke. Moderate malachite stain on quartz-carbonate breccia zones within dyke. Sulphides have gone to limonite.							
						MD	OR		CLY	1I		
						LT	GY		SER	5I	Li	2
						--	WH	BX	OXI	5I	Ml	1
190.73	215.25	24.52	HBS	FG	Well foliated, medium orange to dark grey-purple to light grey, moderately faulted hornfels-biotite-schist. Approximately 70 percent of interval is moderately to strongly oxide stained, moderately silicified and variably rubbly. Top 3 metres of interval is variably brecciated next to the contact with monzonite dyke. Minor zones of moderate to strong sericite alteration. Last 50 centimetres of interval is strongly silicified and sericite altered adjacent to monzonite sill.							
						MD	OR					
						DK	GY	BX	OXI	3I		
						DK	PU		SER	1I		
						--	TN	FO	SIL	2I	--	0
215.25	220.39	5.14	MNZ	MG	Dark grey, strongly propylitic altered monzonite sill with local chlorite-quartz veinlets with blebby chalcopyrite. Chalcopyrite and bornite? Found disseminated - replacing mafic minerals.							
						DK	GY	XL	PRO	5I	Bn	0.01
											Cp	0.1
220.39	260.34	39.95	HBS	FG	Well foliated, dark green-grey-purple to light grey hornfels-biotite-schist. Intervals is moderately silicified with intermittent zones of weak to moderate oxide staining on core. Quartz veins up to 5 centimetres host blebby pyrite (minor). Sericite alteration occurs over 15 centimetres at top contact with sill and forms envelopes around quartz-pyrite vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN		SIL	3I		
						LT	GY		CHL	3I		
						DK	PU	FO	SER	1I	Py	0.1
						DK	GY		OXI	1I		
260.34	261.99	1.65	SKN	FG	Massive to mottled, dark green-pink diopside-garnet-actinolite-pyrrhotite-magnetite skarn. Minor magnetite altering to hematite within minor tremolite zones with magnetite stringers. Trace tourmaline blebs found locally within limited tremolite-rich areas.							
						DK	GN	Mo			Py	1
						DK	PK	MA	HEM	1I	Mg	1
											Po	5
261.99	274.63	12.64	HBS	FG	Well foliated, dark grey-purple to light grey to medium green, weakly to moderately chlorite altered hornfels-biotite-schist. Minor zones of oxide staining on core and along fractures. Minor sericite alteration found locally in zones with weak quartz flooding/veining. Trace garnet up to 0.5 millimetres found locally.							
						LT	GY	FO	CHL	2I	--	0
						DK	PU		OXI	1I		
						DK	GY					
274.63	275.01	0.38	MNZ	MG	Strongly sericite altered, moderately silicified, weakly oxidized, medium grained monzonite. Minor xenoliths of angular hornfels-biotite-schist up to 3 x 4 centimetres near top contact. Oxide staining associated with quartz-carbonate veining. Bottom contact is a 5 centimetre wide quartz vein cutting monzonite and hornfels-biotite-schist.							
						LT	GN		OXI	2I		
						--	--	XL	SER	4I	--	0
275.01	298.74	23.73	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittently weakly to moderately sericite and chlorite altered. Moderate quartz-carbonate veins found locally and up to 30 centimetres wide with blebby pyrite +/- chalcopyrite. These zones are moderately oxidized and host minor chlorite seams with trace chalcopyrite.							
						LT	GY		SER	2I		
						DK	PU	FO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY		OXI	2I		
298.74	304.97	6.23	PHC	MG	Strongly phyllic altered granodiorite with intermittent propylitic altered granodiorite. Approximately 1 metre of the interval is quartz-carbonate breccia and hydrothermal breccia with weak blebby pyrite and trace chalcopyrite. Quartz-carbonate breccia is later (breccia comprises clasts of hydrothermal breccia).							
						LT	GY	XL	PRO	2I	Py	0.1
						LT	GN		SER	5I		
304.97	309.62	4.65	HBS	FG	Dark grey-purple, moderately foliated hornfels-biotite-schist. Weak quartz-pyrite veinlets found locally. Chlorite-pyrite veinlets pervasive (moderate). Trace epidote altered vein. Strongly magnetite (granitized hornfels-biotite-schist?).							
						LT	GY	FO	---	--	--	0
						DK	PU					
						DK	GY					
309.62	310.36	0.74	GRN	CG	Weakly foliated, hornblende-granite. Weak potassium-feldspar veins/veinlets over 10 centimetres in centre of interval. Strong propylitic altered. Trace disseminated pyrite replacing mafics.							
						LT	GY					
						--	WH	XL	---	--	--	0
310.36	339.87	29.51	HBS	MG	Moderately foliated, dark grey to light grey, strongly magnetic diorite? Weak pyrrhotite-pyrite-chlorite seams/flooding locally. Minor injected textured granodiorite (patches/flood-like) structures and dykes up to 10 centimetres. Dykes are moderately to strongly propylitic altered with trace pyrite replacing mafics.							
						LT	GY					
						DK	GY	FO	---	--	--	0
339.87	340.43	0.56	CSL	FG	Well banded, medium green to light grey-white calc-silicate. Chalcopyrite found as medium grained blebs/patches and within calcite seams. Pyrite found as fine grained-medium grained blebs.							
						MD	GN					
						LT	GY	BN	---	--	Cp	0.5
						--	WH				Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
340.43	351.73	11.30	HBS	MG	Dominantly moderately foliated diorite with intermittent well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor shear zone over 30 centimetres hosting blebby fine grained to medium grained pyrite. Intermittent sericite altered hornfels-biotite-schist found locally (minor) and ad end of interval over last 40 centimetres with lower contact with felsic-feldspar porphyry dyke.							
						LT	GY		SER	1I		
						DK	GY	FO	OXI	1I	--	0
351.73	374.94	23.21	FFP	CG	Light to medium green, moderately phyllic and propylitic altered felsic feldspar porphyry dyke. Phyllic altered porphyry dyke has green and tan-white sericite alteration of feldspar crystals, while propylitic altered porphyry dykes have mafics altered into chlorite and epidote. Phyllic altered zones host white to light grey quartz veins/veinlets (barren) and are moderately oxidized along fractures. Trace chlorite seams with blebby pyrite. Minor argillic altered porphyry dyke with minor light grey quartz veins with dark grey quartz-pyrite selvages.							
						LT	GN	PO	PRO	2I	Py	0.1
						DK	GN		PHC	4I		
374.94	376.85	1.91	HBS	FG	Well foliated, dark green to light green hornfels-biotite-schist with minor patches/stringers of dark purple hematite. Top 1 metre of interval is strongly sericite altered with moderate quartz (milky white to translucent light grey) veins/veinlets.							
						LT	GN					
						DK	GN	FO	CHL	4I	--	0
376.85	383.78	6.93	FAP	CG	Feldspar porphyry andesite dyke. Coarse grained, dark green-grey, moderately to strongly sericite altered intermittently. Minor zones of fine grained andesite dyke (moderately sericite altered (light green to medium green). Last 2 metres of interval are bleached to argillic/sericitic altered fine to medium grained and strongly silicified granodiorite? Interval hosts xenoliths of chlorite to sericite altered hornfels-biotite-schist periodically and make up approximately 20 percent of interval. Moderately oxidized within argillic altered granodiorite and along fractures near end of interval.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	PO	SER	2I	--	0
						DK	GN		OXI	1I		
383.78	396.88	13.10	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittent zones with moderately to strongly sericite altered hornfels-biotite-schist within last 5 metres of interval associated with light grey quartz veins with dark grey selvages hosting trace blebby pyrite. Veined zones are moderately oxidized along fractures and staining of core. Minor fault (5 centimetres wide) within silicified and sericite altered hornfels-biotite schist with moderate oxide and clay alteration. Minor pervasive chlorite seams hosting weak blebby pyrite.							
						LT	GY	FO	SER	1I	Py	0.1
						DK	GY		SIL	2I		
						DK	PU					
396.88	399.29	2.41	HBS	MG	Strongly magnetite, moderately foliated, dark grey to light grey diorite? Minor propylitic altered the form of epidote and chlorite. Minor quartz-chlorite-pyrite seams pervasive. 10 centimetres wide zone of sericite alteration with light grey-white quartz vein (1 centimetre wide)							
						LT	GY					
						DK	GY	FO	PRO	2I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.85	2.85	OVB	--	Overburden - skarn and propylitic altered granodiorite.							
						--	--	---	---	--	--	0

2.85	6.50	3.65	GRD	MG	Medium grained, medium grey to orange, strongly propylitic and oxide altered granodiorite. Moderate zone of strong clay and oxide altered granodiorite (fault). Much of the interval is strong oxide stained.							
						MD	GY	XL	OXI	4I	--	0
						MD	OR		PRO	5I		
6.50	28.12	21.62	HBS	FG	Strongly oxidized, well foliated, dark grey-purple to light grey to orange hornfels-biotite-schist. From 12.34-17.08 hosts strongly silicified quartz-carbonate breccia with mosaic textures. Local limonite filling vugs/voids. Moderate clay-oxide intervals (faults) with rubble comprise 20 percent of interval.							
						LT	GY	FO	CLY	3I	Li	1
						DK	PU	BX	OXI	5I		
						MD	OR					
						DK	GY					
28.12	29.60	1.48	SKN	FG	Well banded pyroxene-garnet skarn with silicified marble bands. A 5x3 centimetre magnetite patch with strong hematite alteration. Moderately silicified with weak calcite-oxide veinlets, which cut banding obliquely. Minor dark grey stylolites flank medium green quartz bands less than 1 centimetre wide.							
						LT	GN	BN	---	--	--	0
						DK	PK					
						LT	GY					
29.60	30.14	0.54	FAP	CG	Dark green to grey feldspar porphyry andesite dyke. Skarn/calc-silicate irregular xenoliths found periodically.							
						DK	GN		---	--		
						DK	GY	PO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
30.14	35.66	5.52	CSL	FG	Well banded silicified marble/wollastonite with minor garnet/pyroxene bands found intermittently. Minor intervals of banded pyroxene-garnet skarn (represents about 15 percent of interval) A 5 centimetre wide medium grained, strongly propylitic altered granodiorite dyke with 0.5 millimetre wide chlorite selvages cuts calc-silicate.							
						MD	GN					
						MD	GY	BN	---	--	--	0
						LT	GY		---	--		
35.66	38.77	3.11	HBS	FG	Dark grey-purple to light grey weakly oxidized, well foliated hornfels-biotite-schist. Weak chlorite veinlets/seams with bleached selvages.							
						DK	PU	FO	OXI	2I	--	0
						DK	GY					
						LT	GY					
38.77	43.28	4.51	SKN	FG	Well banded pyroxene-garnet skarn with trace blebby chalcopyrite over a 10 centimetre interval. Minor magnetite stringers. Minor chalcopyrite associated with trace disseminated magnetite. Chlorite stringers found pervasively and cut bands obliquely. Minor epidote patches/blebs/stringers found locally.							
						DK	PK				Mg	0.1
						MD	GN	BN	---	--	Cp	0.1
						DK	GN					
43.28	48.71	5.43	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor chlorite alteration with moderate chlorite veinlets/seams pervasive. Weakly to moderately oxidized along fractures and within calcite veinlets. Moderately magnetic and minor garnet crystals found locally.							
						DK	PU	FO	CHL	2I	--	0
						LT	GY					
						DK	GY					
48.71	49.54	0.83	CSL	FG	Well banded/foliated pyroxene-garnet calc-silicate/skarn. Minor epidote alteration as veinlets. Moderately silicified. Patches of medium grained tourmaline with pyrite (minor).							
						DK	PU					
						LT	GN	FO	EPI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	BN	SIL	3I	--	0
49.54	52.60	3.06	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor (10 centimetre) banded garnet-pyroxene skarn. Local zones of weak chlorite alteration. Weak chlorite veinlets pervasive. Trace calcite veinlets.							
						DK	PU					
						LT	GY	FO	CHL	2I	--	0
						DK	GY					
52.60	55.12	2.52	SKN	FG	Well banded pyroxene-garnet-pyrrhotite skarn. Minor silicified marble/pyroxene banded calc-silicate and hornfels-biotite-schist found intermittently. Pyrrhotite found as blebs locally within skarn. Minor calcite veinlets found locally.							
						LT	GY					
						MD	GN	BN	SIL	2I	--	0
						DK	PK					
55.12	57.66	2.54	HBS	FG	Weakly foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor blebby pyrite and pyrrhotite veinlets found locally.							
						DK	PU					
						DK	GY		---	0I		
						LT	GY	FO	---	--	Py	0.1
57.66	63.91	6.25	SKN	FG	Not complete Pyroxene-chlorite-magnetite skarn. Well banded with minor diopside-garnet skarn. Moderate calcite veins with hematite selvages pervasive. Looks like garnet has retrograded to chlorite. 10 centimetre zone with chalcopyrite, magnetite, pyrrhotite and pyrite as blebs with chalcopyrite-pyrite chlorite stringers. Interval hosts trace disseminated chalcopyrite and pyrite. Weak pyrite chalcopyrite veinlets/seams.							
											Po	0.1
						DK	PU				Cp	0.1
						LT	GY	BN	HEM	2I	Py	0.1
						DK	GN				Mg	0.5
63.91	68.98	5.07	HBS	FG	Dark grey-purple to light grey hornfels-biotite-schist. Weakly chlorite altered. Blebby pyrite found along foliation locally. Oxide staining along fractures and within calcite veinlets (minor)							
						LT	GY					
						DK	GY	FO	OXI	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		CHL	1I		
68.98	73.52	4.54	SKN	FG	Well banded pyroxene-garnet skarn (first half of interval) and silicified marble/wollastonite with minor intervals of pyroxene with or without garnet skarn (second half of interval). Minor chlorite-epidote veins/veinlets found locally. Pyroxene-garnet skarn at top of hole starting to get mottled textures.							
						MD	GN		CHL	1I		
						DK	PK	BN	EPI	1I	--	0
73.52	77.32	3.80	HBS	FG	Well foliated, dark grey-purple to light grey to medium green, moderately chlorite altered hornfels-biotite-schist. Minor oxidized carbonate breccias with moderate fuchsite and sericite alteration. Approximately 50 centimetre zones of crackle brecciated and sheared textures within strongly chlorite altered hornfels-biotite-schist envelopes breccia.							
						DK	PU	FO	CHL	3I	--	0
						DK	GY					
						LT	GY					
77.32	79.14	1.82	SKN	FG	Chlorite-pyroxene skarn. Massive with black "pock" marks similar to HOP-DDH-11-01 gold-rich zone above magnetite skarn. Trace chalcopyrite blebs disseminated and chalcopyrite hosted within chlorite veinlets. Last 20 centimetre transitions into diopside skarn with magnetite stringers with or without disseminated magnetite.							
											Cp	0.1
						MD	GN	MA	CHL	3I	Mg	0.5
79.14	82.74	3.60	SKN	FG	Massive magnetite skarn with minor relict diopside being replaced by magnetite. Disseminated pyrite and weak chalcopyrite. Patches of chalcopyrite and pyrite up to 1 by 1 centimetre found locally. Zones of strong actinolite alteration defined by needs of actinolite with magnetite.							
											Cp	0.5
						--	BL	MA	---	--	Py	2
						DK	GN				Mg	60

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
82.74	84.25	1.51	SKN	FG	Diopside-actinolite skarn with disseminated/blebby magnetite and magnetite veins hosting blebby chalcopyrite and pyrite. Chalcopyrite and pyrite also found as disseminated and blebs - higher abundance near top of interval and gradually becomes less mineralized near the bottom contact. Interval is weakly epidote altered.							
						MD	GN				Py	1
						DK	GN				Mg	5
						--	BL	---	EPI	2I	Cp	2
84.25	108.72	24.47	HBS	FG	Well foliated, dark grey-purple to light grey-orange hornfels-biotite-schist. Minor zones of breccia comprising 0.5 millimetre calcite matrix in clast supported mosaic breccia. Oxide staining on core, along fractures and within calcite veinlets/seams. Minor zones of strong oxide altered zones with abundant calcite-quartz veins/seams.							
						DK	PU					
						DK	GY	FO	OXI	2I	--	0
						LT	OR					
						LT	GY					
108.72	112.15	3.43	SKN	FG	Diopside-actinolite-garnet-magnetite-pyrrhotite skarn, well banded silicified marble/wollastonite and massive to mottled pyroxene-garnet skarn. From 108.72-109.80 metres hosts banded silicified marble/wollastonite calc-silicate. From 109.80-110.71 metres hosts massive to mottled pyroxene-garnet skarn with moderate epidote alteration. From 110.71-112.15 metres hosts diopside-actinolite-magnetite-pyrrhotite skarn with blebby chalcopyrite and pyrite. Moderate hematite alteration. Patches of epidote found locally within pyroxene-garnet skarn.							
											Po	1
								MA			Mg	1
						DK	GN	BN			Py	0.5
						MD	GN	Mo	EPI	1I	Cp	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
112.15	173.12	60.97	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Local zones of moderate sericite alteration with white/tan sericite, which is associated with silicified zones. Intermittent weakly to moderately chlorite altered intervals found pervasively. Strong silicified zones up to 1 metre wide occasionally host blebby/stringers of pyrite. Local garnet crystals up to 0.5 centimetres. Minor fuchsite alteration locally. 20 centimetre wide strongly sericite altered granodiorite dyke with 50-80 centimetre sericite altered hornfels-biotite-schist halos. One hydrothermal fluidized breccia/vein with trace chalcopyrite and pyrite (2 centimetres wide).							
						DK	PU		CHL	1I		
									SIL	1I		
						LT	GY		SER	1I		
						DK	GY	FO	OXI	1I	--	0
173.12	177.04	3.92	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Irregular quartz clasts are disseminated and makes up 5 percent of rock and range from 0.5 to 1 centimetre in size.							
						DK	PU					
						LT	GY	FO	CHL	1I	--	0
						DK	GY					
177.04	186.23	9.19	HBS	FG	Well foliated, dark grey-purple to light grey-tan hornfels-biotite-schist. Weakly oxide staining along fractures and within quartz-carbonate veined areas. Intermittent sericite banded intervals.							
						LT	GY					
						DK	GY	FO	SER	2I	Py	0.1
						DK	PU					
						--	TN					
186.23	188.61	2.38	SKN	FG	Diopside-actinolite-magnetite-pyrrhotite skarn. Well banded with blebby to patchy pyrrhotite, blebby to banded magnetite. Chalcopyrite and pyrite are disseminated and blebby. Minor hematite alteration of magnetite. Top 40 centimetres are well foliated pyroxene skarn and last 50 centimetres are strongly quartz-carbonate brecciated with moderate malachite staining on surface. Sulphides are converted to limonite. Breccia exploited open spaces along the dyke-skarn contact.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
											Po	5
						MD	GN				Cp	1
						DK	GN				Py	1
						--	BL	BN	HEM	1I	Mg	10
188.61	190.73	2.12	FFP	CG	Strongly sericite altered, weakly clay altered, moderately to strongly brecciated and strongly oxidized felsic feldspar porphyry dyke. Moderate malachite stain on quartz-carbonate breccia zones within dyke. Sulphides have gone to limonite.							
						MD	OR	BX	OXI	5I	Ml	1
						LT	GY		SER	5I	Li	2
						--	WH		CLY	1I		
190.73	215.25	24.52	HBS	FG	Well foliated, medium orange to dark grey-purple to light grey, moderately faulted hornfels-biotite-schist. Approximately 70 percent of interval is moderately to strongly oxide stained, moderately silicified and variably rubbly. Top 3 metres of interval is variably brecciated next to the contact with monzonite dyke. Minor zones of moderate to strong sericite alteration. Last 50 centimetres of interval is strongly silicified and sericite altered adjacent to monzonite sill.							
						--	TN	BX	OXI	3I	--	0
						DK	GY					
						DK	PU		SER	1I		
						MD	OR	FO	SIL	2I		
215.25	220.39	5.14	MNZ	MG	Dark grey, strongly propylitic altered monzonite sill with local chlorite-quartz veinlets with blebby chalcopyrite. Chalcopyrite and bornite? Found disseminated - replacing mafic minerals.							
						DK	GY	XL	PRO	5I	Bn	0.01
											Cp	0.1
220.39	260.34	39.95	HBS	FG	Well foliated, dark green-grey-purple to light grey hornfels-biotite-schist. Intervals is moderately silicified with intermittent zones of weak to moderate oxide staining on core. Quartz veins up to 5 centimetres host blebby pyrite (minor). Sericite alteration occurs over 15 centimetres at top contact with sill and forms envelopes around quartz-pyrite vein.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY		SER	1I		
						DK	PU	FO	SIL	3I	Py	0.1
						MD	GN		CHL	3I		
						DK	GY		OXI	1I		
260.34	261.99	1.65	SKN	FG	Massive to mottled, dark green-pink diopside-garnet-actinolite-pyrrhotite-magnetite skarn. Minor magnetite altering to hematite within minor tremolite zones with magnetite stringers. Trace tourmaline blebs found locally within limited tremolite-rich areas.							
						DK	GN	Mo	HEM	1I	Mg	1
						DK	PK	MA			Py	1
											Po	5
261.99	274.63	12.64	HBS	FG	Well foliated, dark grey-purple to light grey to medium green, weakly to moderately chlorite altered hornfels-biotite-schist. Minor zones of oxide staining on core and along fractures. Minor sericite alteration found locally in zones with weak quartz flooding/veining. Trace garnet up to 0.5 millimetres found locally.							
						DK	PU					
						LT	GY		CHL	2I		
						DK	GY	FO	OXI	1I	--	0
274.63	275.01	0.38	MNZ	MG	Strongly sericite altered, moderately silicified, weakly oxidized, medium grained monzonite. Minor xenoliths of angular hornfels-biotite-schist up to 3 x 4 centimetres near top contact. Oxide staining associated with quartz-carbonate veining. Bottom contact is a 5 centimetre wide quartz vein cutting monzonite and hornfels-biotite-schist.							
						--	--	XL	OXI	2I	--	0
						LT	GN		SER	4I		
275.01	298.74	23.73	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittently weakly to moderately sericite and chlorite altered. Moderate quartz-carbonate veins found locally and up to 30 centimetres wide with blebby pyrite +/- chalcopyrite. These zones are moderately oxidized and host minor chlorite seams with trace chalcopyrite.							
						DK	GY		SER	2I		
						LT	GY		CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	FO	OXI	2I	--	0
298.74	304.97	6.23	PHC	MG	Strongly phyllic altered granodiorite with intermittent propylitic altered granodiorite. Approximately 1 metre of the interval is quartz-carbonate breccia and hydrothermal breccia with weak blebby pyrite and trace chalcopyrite. Quartz-carbonate breccia is later (breccia comprises clasts of hydrothermal breccia).							
						LT	GN		SER	5I		
						LT	GY	XL	PRO	2I	Py	0.1
304.97	309.62	4.65	MNZ	FG	Dark grey-purple, weakly to moderately foliated monzonite. Weak quartz-pyrite veinlets found locally. Chlorite-pyrite veinlets pervasive (moderate). Trace epidote altered vein. Strongly magnetic (granitized hornfels-biotite-schist or foliation of monzonite due to close proximity to metasedimentary package).							
						LT	GY					
						DK	GY					
						DK	PU	FO	---	--	--	0
309.62	310.36	0.74	GRN	CG	Weakly foliated, hornblende-granite. Weak potassium-feldspar veins/veinlets over 10 centimetres in centre of interval. Strong propylitic altered. Trace disseminated pyrite replacing mafics.							
						--	WH	XL	---	--	--	0
						LT	GY					
310.36	339.87	29.51	HBS	MG	Moderately foliated, dark grey to light grey, strongly magnetic diorite? Weak pyrrhotite-pyrite-chlorite seams/flooding locally. Minor injected textured granodiorite (patches/flood-like) structures and dykes up to 10 centimetres. Dykes are moderately to strongly propylitic altered with trace pyrite replacing mafics.							
						LT	GY	FO	---	--	--	0
						DK	GY					
339.87	340.43	0.56	CSL	FG	Well banded, medium green to light grey-white calc-silicate. Chalcopyrite found as medium grained blebs/patches and within calcite seams. Pyrite found as fine grained-medium grained blebs.							
						LT	GY	BN	---	--	Cp	0.5
						MD	GN				Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	WH					
340.43	351.73	11.30	HBS	MG	Dominantly moderately foliated diorite with intermittent well foliated, dark grey-purple to light grey hornfels-biotite-schist. Minor shear zone over 30 centimetres hosting blebby fine grained to medium grained pyrite. Intermittent sericite altered hornfels-biotite-schist found locally (minor) and ad end of interval over last 40 centimetres with lower contact with felsic-feldspar porphyry dyke.							
						LT	GY		OXI	1I		
						DK	GY	FO	SER	1I	--	0
351.73	374.94	23.21	FFP	CG	Light to medium green, moderately phyllic and propylitic altered felsic feldspar porphyry dyke. Phyllic altered porphyry dyke has green and tan-white sericite alteration of feldspar crystals, while propylitic altered porphyry dykes have mafics altered into chlorite and epidote. Phyllic altered zones host white to light grey quartz veins/veinlets (barren) and are moderately oxidized along fractures. Trace chlorite seams with blebby pyrite. Minor argillic altered porphyry dyke with minor light grey quartz veins with dark grey quartz-pyrite selvages.							
						LT	GN		PHC	4I		
						DK	GN	PO	PRO	2I	Py	0.1
374.94	376.85	1.91	HBS	FG	Well foliated, dark green to light green hornfels-biotite-schist with minor patches/stringers of dark purple hematite. Top 1 metre of interval is strongly sericite altered with moderate quartz (milky white to translucent light grey) veins/veinlets.							
						LT	GN	FO	CHL	4I	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
376.85	383.78	6.93	FAP	CG	Feldspar porphyry andesite dyke. Coarse grained, dark green-grey, moderately to strongly sericite altered intermittently. Minor zones of fine grained andesite dyke (moderately sericite altered (light green to medium green). Last 2 metres of interval are bleached to argillic/sericitic altered fine to medium grained and strongly silicified granodiorite? Interval hosts xenoliths of chlorite to sericite altered hornfels-biotite-schist periodically and make up approximately 20 percent of interval. Moderately oxidized within argillic altered granodiorite and along fractures near end of interval.							
						LT	GN	PO	SER	2I	--	0
						DK	GN		OXI	1I		
383.78	396.88	13.10	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittent zones with moderately to strongly sericite altered hornfels-biotite-schist within last 5 metres of interval associated with light grey quartz veins with dark grey selvages hosting trace blebby pyrite. Veined zones are moderately oxidized along fractures and staining of core. Minor fault (5 centimetres wide) within silicified and sericite altered hornfels-biotite schist with moderate oxide and clay alteration. Minor pervasive chlorite seams hosting weak blebby pyrite.							
						LT	GY	FO	SER	1I	Py	0.1
						DK	GY		SIL	2I		
						DK	PU					
396.88	399.29	2.41	HBS	MG	Strongly magnetite, moderately foliated, dark grey to light grey diorite? Minor propylitic altered the form of epidote and chlorite. Minor quartz-chlorite-pyrite seams pervasive. 10 centimetres wide zone of sericite alteration with light grey-white quartz vein (1 centimetre wide)							
						LT	GY	FO	PRO	2I	Py	0.1
						DK	GY					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0.56	18	0.12	4	0R	--	1W	
3.05	6.10	3.05	0.87	29	0.00	0	0R	--	2W	
6.10	9.14	3.04	3.04	100	0.21	7	0R	--	4W	
9.14	12.19	3.05	2.81	92	1.12	37	0R	--	3W	
12.19	15.24	3.05	3.05	100	2.23	73	0R	--	3W	
15.24	18.29	3.05	2.78	91	0.96	31	0R	--	4W	
18.29	21.34	3.05	1.58	52	0.00	0	0R	--	4W	
21.34	24.38	3.04	2.79	92	0.91	30	0R	--	3W	
24.38	27.43	3.05	3.05	100	1.80	59	0R	--	3W	
27.43	28.65	1.22	1.22	100	0.96	79	0R	--	2W	
28.65	30.48	1.83	1.83	100	1.15	63	1R	--	2W	
30.48	33.53	3.05	3.05	100	2.46	81	0R	--	1W	
33.53	36.58	3.05	3.05	100	2.47	81	0R	--	1W	
36.58	39.62	3.04	3.04	100	1.77	58	1R	--	1W	
39.62	42.67	3.05	3.05	100	2.51	82	2R	--	1W	
42.67	45.72	3.05	3.05	100	2.11	69	0R	--	1W	
45.72	48.77	3.05	3.05	100	1.95	64	0R	--	1W	
48.77	51.82	3.05	3.05	100	2.31	76	0R	--	1W	
51.82	54.86	3.04	3.04	100	2.32	76	1R	--	1W	
54.86	57.91	3.05	3.05	100	2.95	97	0R	--	1W	
57.91	60.96	3.05	3.05	100	1.83	60	0R	--	1W	
60.96	64.01	3.05	3.05	100	2.19	72	0R	--	1W	
64.01	67.06	3.05	3.05	100	2.22	73	0R	--	1W	
67.06	70.10	3.04	3.04	100	1.25	41	0R	--	1W	
70.10	73.15	3.05	3.05	100	2.48	81	0R	--	1W	
73.15	76.20	3.05	3.05	100	2.55	84	0R	--	1W	
76.20	79.25	3.05	3.05	100	2.27	74	0R	--	1W	
79.25	82.30	3.05	3.05	100	1.99	65	0R	--	1W	
82.30	85.34	3.04	3.04	100	2.27	75	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
85.34	88.39	3.05	3.05	100	2.52	83	0R	--	2W	
88.39	91.44	3.05	3.05	100	1.94	64	0R	--	2W	
91.44	94.49	3.05	3.05	100	1.23	40	0R	--	1W	
94.49	97.54	3.05	3.05	100	1.65	54	0R	--	2W	
97.54	99.36	1.82	1.55	85	0.59	32	0R	--	3W	
99.36	100.58	1.22	1.22	100	1.22	100	0R	--	1W	
100.58	103.63	3.05	3.05	100	1.65	54	0R	--	1W	
103.63	106.68	3.05	3.05	100	1.53	50	0R	--	1W	
106.68	109.73	3.05	3.05	100	2.28	75	0R	--	1W	
109.73	112.78	3.05	3.05	100	2.46	81	0R	--	1W	
112.78	114.00	1.22	1.22	100	0.42	34	0R	--	1W	
114.00	115.82	1.82	1.82	100	1.49	82	0R	--	1W	
115.82	118.87	3.05	3.05	100	2.42	79	0R	--	1W	
118.87	121.92	3.05	3.05	100	2.54	83	0R	--	1W	
121.92	124.97	3.05	3.05	100	2.63	86	0R	--	1W	
124.97	128.02	3.05	3.05	100	2.68	88	0R	--	1W	
128.02	131.06	3.04	3.04	100	1.80	59	0R	--	1W	
131.06	134.11	3.05	3.05	100	2.26	74	0R	--	1W	
134.11	137.16	3.05	3.05	100	2.10	69	0R	--	1W	
137.16	140.21	3.05	3.05	100	2.70	89	0R	--	1W	
140.21	143.26	3.05	3.05	100	2.40	79	0R	--	1W	
143.26	146.30	3.04	3.04	100	2.49	82	0R	--	1W	
146.30	149.35	3.05	3.05	100	2.08	68	0R	--	1W	
149.35	152.40	3.05	3.05	100	2.47	81	0R	--	1W	
152.40	155.45	3.05	3.05	100	2.30	75	0R	--	1W	
155.45	158.50	3.05	3.05	100	2.41	79	0R	--	1W	
158.50	161.54	3.04	3.04	100	2.22	73	0R	--	1W	
161.54	164.59	3.05	3.05	100	2.12	70	0R	--	1W	
164.59	167.64	3.05	3.05	100	1.92	63	0R	--	2W	
167.64	170.69	3.05	3.05	100	2.48	81	0R	--	1W	
170.69	173.74	3.05	3.05	100	2.23	73	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
173.74	176.78	3.04	3.04	100	2.74	90	0R	--	1W	
176.78	179.83	3.05	3.05	100	2.62	86	0R	--	2W	
179.83	182.88	3.05	3.05	100	2.38	78	0R	--	1W	
182.88	185.93	3.05	3.05	100	0.85	28	2R	--	1W	
185.93	188.98	3.05	3.05	100	2.38	78	0R	--	2W	
188.98	191.11	2.13	1.54	72	0.10	5	0R	--	4W	
191.11	192.02	0.91	0.53	58	0.00	0	0R	--	4W	
192.02	195.07	3.05	3.05	100	1.25	41	0R	--	3W	
195.07	198.12	3.05	3.05	100	1.55	51	0R	--	3W	
198.12	201.17	3.05	3.05	100	1.49	49	0R	--	3W	
201.17	204.22	3.05	3.05	100	2.02	66	0R	--	2W	
204.22	205.74	1.52	1.27	84	0.00	0	0R	--	4W	
205.74	208.79	3.05	3.05	100	1.74	57	0R	--	2W	
208.79	210.31	1.52	1.52	100	1.36	89	0R	--	2W	
210.31	213.36	3.05	3.05	100	2.42	79	0R	--	2W	
213.36	216.41	3.05	3.05	100	1.55	51	0R	--	2W	
216.41	219.46	3.05	3.05	100	2.67	88	0R	--	1W	
219.46	222.50	3.04	3.04	100	2.63	87	0R	--	1W	
222.50	225.55	3.05	3.05	100	2.18	71	0R	--	1W	
225.55	228.60	3.05	3.05	100	1.98	65	0R	--	1W	
228.60	231.65	3.05	3.05	100	2.49	82	0R	--	1W	
231.65	234.70	3.05	3.05	100	2.61	86	0R	--	1W	
234.70	237.74	3.04	3.04	100	1.95	64	0R	--	2W	
237.74	240.79	3.05	3.05	100	2.50	82	0R	--	1W	
240.79	243.84	3.05	3.05	100	2.63	86	0R	--	1W	
243.84	246.89	3.05	3.05	100	2.64	87	0R	--	1W	
246.89	249.94	3.05	3.05	100	2.32	76	0R	--	1W	
249.94	252.98	3.04	3.04	100	2.90	95	0R	--	1W	
252.98	256.03	3.05	3.05	100	2.90	95	0R	--	1W	
256.03	259.08	3.05	3.05	100	2.68	88	0R	--	1W	
259.08	262.13	3.05	3.05	100	2.71	89	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
262.13	265.18	3.05	3.05	100	2.48	81	0R	--	1W	
265.18	268.22	3.04	3.04	100	2.45	81	0R	--	1W	
268.22	271.27	3.05	3.05	100	2.66	87	0R	--	1W	
271.27	274.32	3.05	3.05	100	2.70	89	0R	--	1W	
274.32	276.15	1.83	1.55	85	1.26	69	0R	--	1W	
276.15	278.89	2.74	2.74	100	2.65	97	0R	--	1W	
278.89	280.42	1.53	1.53	100	1.53	100	0R	--	1W	
280.42	283.46	3.04	3.04	100	2.51	83	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.37	78	0R	--	1W	
286.51	289.56	3.05	3.05	100	2.88	94	0R	--	1W	
289.56	292.61	3.05	3.05	100	2.59	85	0R	--	1W	
292.61	295.66	3.05	3.05	100	2.55	84	0R	--	1W	
295.66	298.70	3.04	3.04	100	2.57	85	0R	--	1W	
298.70	301.75	3.05	3.05	100	1.90	62	0R	--	2W	
301.75	304.80	3.05	3.05	100	2.22	73	0R	--	1W	
304.80	307.85	3.05	3.05	100	2.34	77	0R	--	1W	
307.85	310.90	3.05	3.05	100	3.05	100	0R	--	1W	
310.90	313.94	3.04	3.04	100	2.91	96	0R	--	1W	
313.94	316.99	3.05	3.05	100	2.78	91	0R	--	1W	
316.99	320.04	3.05	3.05	100	2.68	88	0R	--	1W	
320.04	323.09	3.05	3.05	100	2.36	77	0R	--	1W	
323.09	326.14	3.05	3.05	100	2.33	76	0R	--	1W	
326.14	329.18	3.04	3.04	100	2.37	78	0R	--	1W	
329.18	332.23	3.05	3.05	100	2.05	67	0R	--	1W	
332.23	335.28	3.05	3.05	100	2.39	78	0R	--	1W	
335.28	338.33	3.05	3.05	100	2.38	78	0R	--	1W	
338.33	341.38	3.05	3.05	100	1.89	62	0R	--	1W	
341.38	344.42	3.04	3.04	100	2.33	77	0R	--	1W	
344.42	347.47	3.05	3.05	100	1.71	56	0R	--	1W	
347.47	350.52	3.05	3.05	100	2.56	84	0R	--	1W	
350.52	353.57	3.05	2.87	94	1.81	59	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
353.57	356.62	3.05	2.79	91	1.14	37	0R	--	2W	
356.62	359.66	3.04	3.04	100	1.93	63	0R	--	2W	
359.66	362.71	3.05	3.05	100	1.68	55	0R	--	1W	
362.71	364.85	2.14	2.14	100	1.49	70	0R	--	1W	
364.85	367.89	3.04	3.04	100	1.62	53	0R	--	1W	
367.89	370.94	3.05	3.05	100	2.25	74	0R	--	1W	
370.94	372.16	1.22	1.22	100	0.92	75	0R	--	1W	
372.16	374.29	2.13	2.13	100	1.19	56	0R	--	1W	
374.29	377.34	3.05	3.05	100	2.39	78	0R	--	1W	
377.34	380.39	3.05	3.05	100	1.85	61	0R	--	1W	
380.39	383.44	3.05	2.88	94	1.53	50	0R	--	1W	
383.44	386.49	3.05	3.05	100	2.14	70	0R	--	1W	
386.49	389.53	3.04	3.04	100	2.65	87	0R	--	1W	
389.53	390.14	0.61	0.48	79	0.19	31	0R	--	3W	
390.14	393.19	3.05	3.05	100	1.60	52	0R	--	3W	
393.19	396.24	3.05	3.05	100	1.31	43	0R	--	2W	
396.24	399.29	3.05	3.05	100	2.13	70	0R	--	1W	

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	Q017898	☐	15-025	orange	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288422	☐	15-025	orange	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288431	☐	15-026	Pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017867	☐	15-024	pink	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017875	☐	15-024	pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017886	☐	15-024	pink	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017890	☐	15-024	pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	Q017895	☐	15-025	orange		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288406	☐	15-025	orange		☑	☐	☐
12.33	15.00	2.67	HBS	2.67	100	Q017857	☐	15-024	pink		☐	☐	☐
15.00	17.08	2.08	HBS	2.03	98	Q017858	☐	15-024	pink		☐	☐	☐
17.08	19.00	1.92	HBS	1.92	100	Q017859	☐	15-024	pink		☐	☐	☐
19.00	21.34	2.34	HBS	1.34	57	Q017860	☐	15-024	pink		☐	☐	☐
28.12	30.83	2.71	HBS, SKN	2.71	100	Q017861	☐	15-024	pink		☐	☐	☐
28.12	30.83	2.71	HBS, SKN	2.71	100	Q017862	☐	15-024	pink		☐	☐	☑
30.83	33.72	2.89	CSL	2.89	100	Q017863	☐	15-024	pink		☐	☐	☐
33.72	35.66	1.94	CSL	1.94	100	Q017864	☐	15-024	pink		☐	☐	☐
35.66	38.77	3.11	CSL, HBS	3.10	100	Q017865	☐	15-024	pink		☐	☐	☐
38.77	40.97	2.20	SKN, HBS	2.20	100	Q017866	☐	15-024	pink		☐	☐	☐
40.97	43.28	2.31	SKN	2.31	100	Q017868	☐	15-024	pink		☐	☐	☐
43.28	46.00	2.72	SKN, HBS	2.72	100	Q017869	☐	15-024	pink		☐	☐	☐
46.00	49.54	3.54	HBS	3.54	100	Q017870	☐	15-024	pink		☐	☐	☐
49.54	52.60	3.06	HBS, CSL	3.06	100	Q017871	☐	15-024	pink		☐	☐	☐

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
52.60	55.12	2.52	HBS, SKN	2.52	100	Q017872	☐	15-024	pink		☐	☐	☐
55.12	57.66	2.54	HBS, SKN	2.54	100	Q017873	☐	15-024	pink		☐	☐	☐
57.66	59.16	1.50	SKN, HBS	1.50	100	Q017874	☐	15-024	pink		☐	☐	☐
59.16	60.93	1.77	SKN	1.77	100	Q017876	☐	15-024	pink		☐	☐	☐
60.93	63.91	2.98	SKN	2.98	100	Q017877	☐	15-024	pink		☐	☐	☐
63.91	66.00	2.09	HBS, SKN	2.09	100	Q017878	☐	15-024	pink		☐	☐	☐
66.00	68.98	2.98	HBS	2.98	100	Q017879	☐	15-024	pink		☐	☐	☐
68.98	71.00	2.02	HBS, SKN	2.02	100	Q017880	☐	15-024	pink		☐	☐	☐
68.98	71.00	2.02	HBS, SKN	2.02	100	Q017881	☐	15-024	pink		☐	☑	☐
71.00	73.52	2.52	SKN	2.52	100	Q017882	☐	15-024	pink		☐	☐	☐
73.52	75.32	1.80	HBS, SKN	1.80	100	Q017883	☐	15-024	pink		☐	☐	☐
75.32	77.32	2.00	HBS	2.00	100	Q017884	☐	15-024	pink		☐	☐	☐
77.32	79.14	1.82	SKN, HBS	1.82	100	Q017885	☐	15-024	pink		☐	☐	☐
79.14	81.00	1.86	SKN, SKN	1.76	95	Q017887	☐	15-024	pink		☐	☐	☐
81.00	82.74	1.74	SKN	1.74	100	Q017888	☐	15-024	pink		☐	☐	☐
82.74	84.25	1.51	SKN, SKN	1.51	100	Q017889	☐	15-024	pink		☐	☐	☐
84.25	86.24	1.99	HBS, SKN	1.99	100	Q017891	☐	15-024	pink		☐	☐	☐
106.68	108.72	2.04	HBS	2.04	100	Q017892	☐	15-024	pink		☐	☐	☐
108.72	110.73	2.01	HBS, SKN	2.01	100	Q017893	☐	15-025	orange		☐	☐	☐
110.73	112.15	1.42	SKN	1.42	100	Q017894	☐	15-025	orange		☐	☐	☐
112.15	114.00	1.85	HBS, SKN	1.85	100	Q017896	☐	15-025	orange		☐	☐	☐
165.50	166.50	1.00	HBS	1.00	100	Q017897	☐	15-025	orange		☐	☐	☐

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
166.50	167.50	1.00	HBS	1.00	100	Q017899	☐	15-025	orange		☐	☐	☐
167.50	168.50	1.00	HBS	1.00	100	Q017900	☐	15-025	orange		☐	☐	☐
178.27	181.08	2.81	HBS	2.69	96	K288401	☐	15-025	orange		☐	☐	☐
178.27	181.08	2.81	HBS	2.69	96	K288402	☐	15-025	orange		☐	☐	☑
181.08	184.00	2.92	HBS	2.92	100	K288403	☐	15-025	orange		☐	☐	☐
184.00	186.23	2.23	HBS	2.23	100	K288404	☐	15-025	orange		☐	☐	☐
186.23	187.94	1.71	HBS, SKN	1.71	100	K288405	☐	15-025	orange		☐	☐	☐
187.94	188.98	1.04	SKN	1.04	100	K288407	☐	15-025	orange		☐	☐	☐
188.98	190.73	1.75	FFP	1.33	76	K288408	☐	15-025	orange		☐	☐	☐
190.73	193.02	2.29	FFP, HBS	2.25	98	K288409	☐	15-025	orange		☐	☐	☐
201.43	203.43	2.00	HBS	2.00	100	K288410	☐	15-025	orange		☐	☐	☐
203.43	205.74	2.31	HBS	2.00	87	K288411	☐	15-025	orange		☐	☐	☐
205.74	207.74	2.00	HBS	2.00	100	K288412	☐	15-025	orange		☐	☐	☐
205.74	207.74	2.00	HBS	2.00	100	K288413	☐	15-025	orange		☐	☑	☐
213.36	215.25	1.89	HBS	1.89	100	K288414	☐	15-025	orange		☐	☐	☐
215.25	218.00	2.75	MNZ, HBS	2.74	100	K288415	☐	15-025	orange		☐	☐	☐
218.00	220.39	2.39	MNZ	2.39	100	K288416	☐	15-025	orange		☐	☐	☐
220.39	222.39	2.00	HBS, MNZ	2.00	100	K288417	☐	15-025	orange		☐	☐	☐
222.39	225.00	2.61	HBS	2.61	100	K288418	☐	15-025	orange		☐	☐	☐
258.75	260.34	1.59	HBS	1.59	100	K288419	☐	15-025	orange		☐	☐	☐
260.34	261.99	1.65	HBS, SKN	1.65	100	K288420	☐	15-025	orange		☐	☐	☐
261.99	263.59	1.60	HBS, SKN	1.60	100	K288421	☐	15-025	orange		☐	☐	☐
284.50	285.50	1.00	HBS	1.00	100	K288423	☐	15-025	orange		☐	☐	☐
285.50	286.50	1.00	HBS	1.00	100	K288424	☐	15-025	orange		☐	☐	☐
286.50	287.50	1.00	HBS	1.00	100	K288425	☐	15-025	orange		☐	☐	☐

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
298.74	299.81	1.07	HBS, PHC	1.07	100	K288426	☐	15-025	orange		☐	☐	☐
299.81	300.94	1.13	PHC	1.13	100	K288427	☐	15-025	orange		☐	☐	☐
300.94	301.94	1.00	PHC	1.00	100	K288428	☐	15-025	orange		☐	☐	☐
338.87	339.87	1.00	HBS	1.00	100	K288429	☐	15-026	Pink		☐	☐	☐
339.87	340.87	1.00	CSL, HBS	1.00	100	K288430	☐	15-026	Pink		☐	☐	☐
340.87	342.60	1.73	HBS	1.73	100	K288432	☐	15-026	Pink		☐	☐	☐

Rockhaven RESOURCES LTD.

Hopper - Hopper

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397317	6795108	1269	465.12

ZONE: Hopper

SECTION:

HOLE: HOP-15-007

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 15m, Out

Drilling Dates: Aug 03 - Aug 10, 2015

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.19	265.7	-70.2	Ranger
460.24	289.7	-73.5	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	48.07	48.07	HBS
48.07	55.64	7.57	SKN
55.64	60.96	5.32	FAP
60.96	70.42	9.46	SKN
70.42	71.29	0.87	FAP
71.29	78.58	7.29	HBS
78.58	79.78	1.2	SKN
79.78	83.51	3.73	HBS
83.51	86.39	2.88	SKN
86.39	92.61	6.22	MBL
92.61	97.72	5.11	HBS
97.72	100.78	3.06	SKN
100.78	103.05	2.27	AND
103.05	108.03	4.98	HBS
108.03	113.39	5.36	SKN
113.39	114.7	1.31	HBS

SAMPLES	
Numbers:	K228508, K288433 to K288507, K288509 to K288597
Total:	165
Batch:	026, 027, 028, 029, 030
Certificates:	WH15119584, WH15119587, WH15120440, WH15120445, WH15126200

COMMENTS

114.7	116.14	1.44	SKN
116.14	119.4	3.26	HBS
119.4	120.98	1.58	CSL
120.98	123.36	2.38	HBS
123.36	125.2	1.84	AND
125.2	126.37	1.17	SKN
126.37	128.23	1.86	HBS
128.23	130.43	2.2	AND
130.43	131.64	1.21	HBS
131.64	134.88	3.24	SKN
134.88	138.45	3.57	AND
138.45	142.84	4.39	SKN
142.84	146.74	3.9	CSL
146.74	150.53	3.79	GBS
150.53	156.02	5.49	SKN
156.02	160.41	4.39	MBL
160.41	165.18	4.77	FFP
165.18	169.45	4.27	HBS
169.45	170.69	1.24	FAP
170.69	171.66	0.97	SKN
171.66	172.96	1.3	HBS
172.96	176.95	3.99	SKN
176.95	178.1	1.15	CSL
178.1	184.98	6.88	HBS
184.98	192.92	7.94	SKN
192.92	216.97	24.05	HBS
216.97	220.6	3.63	CSL
220.6	222.99	2.39	SKN
222.99	225.2	2.21	SKN
225.2	227.31	2.11	HBS
227.31	231.59	4.28	SKN
231.59	247.9	16.31	HBS

247.9	261	13.1	GBS
261	266.25	5.25	HBS
266.25	268.03	1.78	SKN
268.03	271.5	3.47	HBS
271.5	273.62	2.12	HBS
273.62	276.43	2.81	SKN
276.43	278.23	1.8	SKN
278.23	281.64	3.41	HBS
281.64	296.24	14.6	HBS
296.24	296.67	0.43	CSL
296.67	312.75	16.08	HBS
312.75	321.62	8.87	FAP
321.62	332.1	10.48	HBS
332.1	334.51	2.41	SKN
334.51	336.14	1.63	HBS
336.14	336.38	0.24	SKN
336.38	344.6	8.22	HBS
344.6	345.72	1.12	AND
345.72	347.96	2.24	HBS
347.96	349.17	1.21	AND
349.17	351.08	1.91	HBS
351.08	351.98	0.9	SKN
351.98	357.15	5.17	HBS
357.15	359.91	2.76	HBS
359.91	361.26	1.35	HBS
361.26	361.51	0.25	SKN
361.51	362.73	1.22	HBS
362.73	364.84	2.11	SKN
364.84	367.43	2.59	HBS
367.43	370.71	3.28	SKN
370.71	386.09	15.38	HBS
386.09	386.9	0.81	FAP

386.9	392.36	5.46	HBS
392.36	393.76	1.4	FFP
393.76	394.82	1.06	FAP
394.82	398.15	3.33	FFP
398.15	400.27	2.12	FFP
400.27	402.68	2.41	FFP
402.68	403.46	0.78	FAP
403.46	410.79	7.33	HBS
410.79	415.6	4.81	HBS
415.6	416.83	1.23	CSL
416.83	418.61	1.78	HBS
418.61	419.84	1.23	HBS
419.84	458.75	38.91	HBS
458.75	465.12	6.37	HBS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	48.07	48.07	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittent zones of moderately to strongly chlorite altered (light to medium green). Pervasive calcite-quartz veinlets with calcite veinlets generally oxidized. Minor zones of rubbly/highly fractured/weakly clay altered fault zones. 5 centimetres of massive pyroxene-pyrrhotite skarn at 19.80-19.85 metres. Trace pyrite found as blebs along hornfels-biotite-schist foliation.							
						LT	GY		CHL	2I		
						DK	PU	FO	OXI	2I	--	0
						DK	GY		SIL	1I		
48.07	55.64	7.57	SKN	FG	Banded to mottled dark grey-medium green-light grey-white skarn. Appears to be pyroxene to calc-silicate bands with ankerite? Alteration. Moderately oxidized veins/veinlets pervasive. Zone is strongly fractured/faulted with malachite along fractures as well as trace chalcopyrite on fractures and as blebs. Chalcopyrite has mostly weathered to malachite. Top 1 metre of interval abundant black pock marks (disseminated) and elongated along foliation.							
						MD	GN					
						LT	GY		---	--		
						DK	GY					
						--	WH	BN	---	--	--	0
55.64	60.96	5.32	FAP	CG	Dark green-medium green to dark grey feldspar andesite porphyry dyke. Interval is moderately oxidized and intermittently highly fractured/rubbly and faulted. Minor oxide seams pervasive.							
						MD	GN					
						DK	GN	PO	OXI	2I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
60.96	70.42	9.46	SKN	FG	Mottled garnet-pyroxene skarn. Dark pink to medium green. Garnet crystals up to 1 x 1 centimetres altering into chlorite (weak to moderately altered) and rimmed by medium pink garnets? Weak epidote alteration defined by patches. Weak locally blebby molybdenite (fine grained to medium grained). Epidote is occasionally associated with molybdenite. Trace chalcocite? Found interstitially between garnet crystals. Fine grained black to violet, striated on one face and 2-3 hardness. Trace magnetite-pyrrhotite stringers found locally. Highly fractured with or without clay altered zones hosting weak chalcopyrite and pyrite. Trace pyrite with or with chalcopyrite veinlets/seams.							
						MD	GN		EPI	1I	mo	0.1
						DK	PK	Mo	CHL	2I	Py	0.1
											CC	0.5
70.42	71.29	0.87	FAP	CG	Dark green-grey, coarse grained feldspar augite andesite porphyry dyke							
						DK	GN	PO	---	--	--	0
						DK	GY					
71.29	78.58	7.29	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Intermittent zones of moderately oxidized, moderately sericitized and silicified zones, including over last 2 metres of interval. Local garnets found in unaltered hornfels-biotite schist up to 0.5 by 0.5 centimetres.							
						LT	GY	FO	OXI	2I	--	0
						DK	PU					
						DK	GY					
78.58	79.78	1.20	SKN	FG	Massive magnetite skarn, massive pyroxene-chlorite skarn and well banded medium to light green and white to light grey banded calc-silicate. Massive magnetite-pyroxene skarn (78.58-79.01 metres) hosts blebby chalcopyrite-pyrite stringers (Chalcopyrite 2%, pyrite 1%). Massive pyroxene-chlorite skarn (79.01-79.24 metres) is moderately bleached and silicified with no visible mineralization. Banded calc-silicate (79.24-79.78 m) no visible mineralization.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN				Cp	0.5
						--	BL	MA	CHL	1I	Py	0.5
79.78	83.51	3.73	HBS	FG	Well foliated, dark grey-purple to medium orange hornfels-biotite-schist. Fault zone with strong oxide, clay alteration and highly fractured zone from 81.73-83.50 metres. End of fault marked by 10 centimetre wide strongly oxidized quartz-carbonate breccia. This breccia is at contact with calc-silicate to skarn.							
						MD	OR	FO	OXI	3I	--	0
						DK	GY					
83.51	86.39	2.88	SKN	FG	Well banded, light grey-white silicified marble/wollastonite and massive to banded pyroxene skarn with weak epidote alteration. Skarn makes up 70 percent of interval. Epidote alteration is in patches and within seams. Trace hematite veinlets. Trace blebby pyrite.							
						MD	GN	BN	EPI	1I	--	0
						LT	GY					
86.39	92.61	6.22	MBL	FG	Light grey to medium grey, well banded silicified marble/wollastonite. Minor ankerite alteration of marble. Minor quartz-ankerite veinlets/veins pervasive.							
						MD	GY	BN	---	--	--	0
						LT	GY					
92.61	97.72	5.11	HBS	FG	Well foliated, dark grey-green-purple to light grey hornfels-biotite schist. Moderate quartz veinlets/veins pervasive. Becomes progressively more chlorite-rich towards the bottom contact.							
						LT	GY					
						DK	GN	FO	CHL	3I	--	0
						DK	GY					
97.72	100.78	3.06	SKN	FG	Well banded to mottled pyroxene-actinolite-tremolite skarn. Interbedded dark purple-grey to light grey hornfels-biotite schist. Skarn makes up about 80 percent of interval. Non-magnetic and moderately calcareous.							
						MD	GN	BN	---	--		
						DK	GN	Mo	---	0I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.78	103.05	2.27	AND	VF	Dark green-grey very fine grained andesite. Disseminated pyrite (fine grained and trace). Weak to moderately magnetic. Minor chlorite veinlets with bleached selvages.							
						DK	GN	MA	---	0I	Py	0.1
						DK	GY					
103.05	108.03	4.98	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Weakly chlorite altered locally. Minor intervals of chlorite seams within bleached hornfels-biotite schist.							
						LT	GY					
						DK	GY	FO	BLE	1I	--	0
						DK	PU					
108.03	113.39	5.36	SKN	FG	Massive pyroxene skarn, well banded silicified marble/wollastonite and pyroxene-garnet skarn. 108.03-111.20 - banded silicified marble/wollastonite. 111.2-113.39 dominantly pyroxene skarn (banded to massive) with minor mottled pyroxene-garnet skarn. Pyroxene skarn has weak to moderate epidote alteration as patches/seams along foliation. No visible mineralization.							
						MD	GN					
						LT	GY	BN	EPI	2I	--	0
113.39	114.70	1.31	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Top 50 centimetres of interval is moderately sericite and weakly chlorite altered.							
						LT	GY					
						DK	PU	FO	SER	2I	--	0
						DK	GY		CHL	1I		
114.70	116.14	1.44	SKN	FG	Pyroxene-garnet-chlorite skarn and pyroxene-diopside-pyrrhotite skarn. Pyroxene garnet skarn is moderately to strongly epidote altered as patches replacing garnet. Weak to moderate retrograde alteration of garnet to chlorite. Trace blebby pyrite (114.70-114.95 m). 114.95-115.60 is pyroxene with or without garnet skarn. It is massive with minor mottled garnet and hosts trace fine grained pyrite. 115.6-116.14 metres is diopside-actinolite-pyrrhotite skarn hosting trace fine grained blebby chalcopyrite and pyrite. Minor chlorite veining pervasive with or without pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	Mo	CHL	1I	Po	0.1
						DK	PU	MA	EPI	1I		
116.14	119.40	3.26	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Intermittently moderately silicified. Chlorite alteration zone over 15 centimetres within interval, but mostly fresh hornfels-biotite schist. Minor pyrrhotite found along foliation.							
						LT	GY		CHL	1I		
						DK	GY	FO	SIL	1I	--	0
						DK	PU					
119.40	120.98	1.58	CSL	FG	Well banded, medium green to light grey calc-silicate. Medium green bands comprise pyroxene, light grey bands are silicified marble/wollastonite. Trace fine grained garnet within pyroxene bands.							
						MD	GN	BN	---	0I	--	0
						LT	GY					
120.98	123.36	2.38	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Last 20 centimetres of interval are moderately sericite altered at contact with andesite dyke.							
						LT	GY					
						DK	PU	FO	SER	2I	--	0
						DK	GY					
123.36	125.20	1.84	AND	VF	Very fine grained, massive dark green-grey andesite dyke with disseminated pyrrhotite (weakly to moderately magnetic). Last 30 centimetres are strongly bleached with minor relict dark green-grey massive andesite irregularly shaped laths (mixing at contact?).							
						DK	GY	MA	BLE	2I	Po	0.1
						DK	GY					
125.20	126.37	1.17	SKN	FG	Massive pyroxene-chlorite-garnet skarn with banded silicified marble, pyroxene and garnet bands over last 20 centimetres of interval. Weak epidote alteration of garnet? No visible mineralization, non-magnetic and weakly calcareous.							
						MD	GN	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PK	MA	EPI	1I	--	0
126.37	128.23	1.86	HBS	FG	Strongly sericite altered, strongly silicified, well foliated light grey-green hornfels-biotite schist. Relict dark grey-purple to light grey hornfels-biotite schist intervals.							
						LT	GY	FO	SIL	4I	--	0
						LT	GN		SER	4I		
128.23	130.43	2.20	AND	VF	Intermittent/mixed bleached very fine grained andesite, dark grey-green very fine grained andesite and well foliated dark grey-purple to light grey hornfels-biotite schist. Hornfels-biotite schist is variably strongly sericite altered and silicified with minor chlorite seams. Andesite is bleached at top and bottom contacts.							
						LT	GY					
						DK	GN	MA	BLE	4I	--	0
						DK	GY					
130.43	131.64	1.21	HBS	FG	Strongly sericite altered and strongly silicified well foliated light grey-green hornfels-biotite schist at top contact for 60 centimetres and grades into dark grey-purple to light grey well foliated hornfels-biotite schist with moderate chlorite veinlets and bleached intervals.							
						LT	GN	FO	SIL	4I	--	0
						LT	GY		SER	5I		
131.64	134.88	3.24	SKN	FG	Actinolite-tremolite skarn. Dark green to light grey with intermittent hornfels-biotite schist with mixing of actinolite-tremolite skarn. These mixed zones host medium grained to coarse grained biotite laths along foliation. Moderate chlorite altered.							
						LT	GY	FO	CHL	1I	--	0
						DK	GN	MA				
134.88	138.45	3.57	AND	VF	Mixed dark grey-green, very fine grained andesite dyke with strongly bleached zones at contacts and adjacent to xenoliths. Minor xenoliths comprise actinolite-tremolite skarn, pyroxene-garnet skarn and hornfels-biotite schist. Minor epidote alteration in more skarn-rich xenoliths with trace blebby pyrite.							
						LT	GY		EPI	1I		
						DK	GN	MA	CHL	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									BLE	4I		
138.45	142.84	4.39	SKN	FG	Pyroxene-garnet skarn. Well banded with marble zones of intermittent silicified bands. Moderate retrograde alteration of garnet altering into chlorite. Weak to moderate epidote alteration of garnet. No visible sulphides.							
						MD	GN					
						DK	GN	BN	CHL	2I	--	0
						DK	PK		EPI	2I		
142.84	146.74	3.90	CSL	FG	Well banded light grey to medium green calc-silicate. Light grey bands comprise silicified marble and medium green pyroxene with or without actinolite. Weak garnet bands found locally. Local trace pyroxene-magnetite bands host trace blebby chalcopyrite.							
						MD	GN	BN	SIL	3I	--	0
						LT	GY					
146.74	150.53	3.79	GBS	FG	Well foliated dark grey-purple to light grey, garnet-hornfels-biotite schist. Garnets range from 0.5 x 0.5 to 1 x 1 centimetres and are disseminated throughout interval. Garnets make up 2 percent of interval. Minor chlorite veinlets found locally. Intermittent zones of moderate blebby and disseminated pyrrhotite.							
						LT	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
150.53	156.02	5.49	SKN	FG	Well banded pyroxene-garnet-actinolite skarn and well banded silicified marble-pyroxene-garnet-actinolite calc-silicate to skarn. 30 centimetre zone of well banded silicified marble-pyroxene-garnet-actinolite with or without magnetite hosting blebby fine grained to medium grained chalcopyrite (1% Chalcopyrite).							
						LT	GY	BN	---	--	Cp	0.1
						DK	GN					
						DK	PK					
156.02	160.41	4.39	MBL	FG	Well banded, silicified marble/wollastonite and minor pyroxene with or without garnet bands. Minor epidote alteration within pyroxene-garnet bands in patches. Minor chlorite (with or without pyrrhotite) veinlets/veins cut silicified marble/wollastonite bands pervasively.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	BN	SIL	3I	--	0
						LT	GY					
160.41	165.18	4.77	FFP	CG	Felsic feldspar-hornblende-augite-quartz porphyry dyke. Strongly propylitic altered. Quartz eyes up to 0.5 centimetres.							
						MD	GY	PO	PRO	4I	--	0
165.18	169.45	4.27	HBS	FG	Well foliated dark grey-purple to light grey hornfels-biotite-schist. Local garnets found disseminated. 10 centimetres wide clay altered hornfels-biotite schist from 166.85-166.90 m with strong chlorite altered selvage at top contact over 5 centimetres. A 20 centimetre silicified-bleached zone with strong chlorite veinlets/flooding with blebby patchy pyrite with or without chalcopyrite. Bottom contact is strongly chlorite altered.							
						LT	GY	FO	CHL	1I	--	0
						DK	GY		CLY	1I		
						DK	PU					
169.45	170.69	1.24	FAP	CG	Feldspar-augite andesite porphyry dyke.							
						DK	GN	MA	---	--	--	0
						DK	GY		---	0I		
170.69	171.66	0.97	SKN	FG	Dark green-medium green actinolite-tremolite skarn with minor garnet and biotite foliations within skarn from top contact for 60 centimetres. Grades into massive actinolite tremolite skarn. No visible sulphides.							
						MD	GN		---	0I		
						DK	GN	MA	---	--	--	0
171.66	172.96	1.30	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor zones of bleached, silicified and chlorite altered hornfels-biotite-schist. Local fine grained garnet crystals found locally.							
						LT	GY					
						DK	PU	FO	CHL	2I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
172.96	176.95	3.99	SKN	FG	Interbedded massive pyroxene-garnet skarn, diopside-actinolite-garnet skarn and hornfels-biotite schist. Massive pyroxene-garnet skarn for 60 centimetres of interval hosts trace blebby molybdenite. Diopside-actinolite-garnet skarn represents 60 centimetres of interval and is weakly magnetic (fine grained magnetite?) and hosts 10 centimetre interval of crackle breccia with dark pink chalcedonic matrix. Trace fine grained chalcopyrite and pyrite found locally. Dark grey-light grey to light green variably sericite altered and silicified hornfels-biotite schist found intermittently.							
						MD	GN	MA	---	0I	mo	0.01
						DK	GN				Cp	0.01
176.95	178.10	1.15	CSL	FG	Well banded to foliated light grey to medium green silicified marble with minor light green pyroxene bands. Minor intermittent dark grey-purple to light grey well foliated hornfels-biotite schist.							
						LT	GY	FO	SIL	3I	--	0
						LT	GN	BN				
178.10	184.98	6.88	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor fine grained to medium grained garnet crystals found locally. Intermittent zones of moderately silicified and chlorite altered hornfels-biotite schist. Minor chlorite with or without pyrite seams/veinlets found pervasively.							
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU		SIL	1I		
184.98	192.92	7.94	SKN	FG	Massive pyroxene-wollastonite? Skarn to calc-silicate. Light to medium green, massive with disseminated white fine grained pits. Unit is weakly to moderately calcareous and hosts minor calcite with or without chlorite veins/veinlets. White to light grey needle minerals (wollastonite?) pervasive.							
						MD	GN					
						LT	GN	MA	---	0I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
192.92	216.97	24.05	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor zones of moderately to strongly silicified and chlorite altered hornfels-biotite-schist. Trace calcite flooding with minor breccia of angular strongly chlorite altered hornfels-biotite schist clasts up to 0.5 centimetres. Local garnet crystals up to 0.5 centimetres. Minor zones of micaceous quartzite, defined by hornfels biotite laths/flakes within light grey fine grained quartzite. Moderate fine grained to medium grained pyrite found along fractures throughout entire interval.							
						LT	GY	FO	SIL	2I	Py	0.1
						DK	PU					
						DK	GY		CHL	2I		
216.97	220.60	3.63	CSL	FG	Well banded light grey to medium-light green calc-silicate. Light grey to medium grey bands comprise silicified marble/wollastonite, while light to medium green bands consist of pyroxene. Dominantly banded silicified marble/wollastonite with minor pyroxene bands. Weakly oxidized locally. Local trace ankerite alteration within marble.							
						MD	GN					
						LT	GY	BN	---	--	--	0
						LT	GN					
220.60	222.99	2.39	SKN	FG	Dark pink to dark green mottled to banded garnet-pyroxene skarn. Moderate calcite veinlets/veining pervasive. Trace blebby pyrite found locally. Last 20 centimetres of interval is moderately to strongly oxidized with a 3 centimetre wide calcite breccia marking end. Calcite breccia is matrix supported and hosts sub-rounded pyroxene skarn clasts ranging from 1 millimetre to 1 x 2 centimetres. Moderate pyrite is blebby and found as stringers. Skarn clasts within breccia host trace blebby, fine grained pyrite.							
						DK	GN	Mo				
						DK	PK	BN	OXI	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
222.99	225.20	2.21	SKN	FG	Diopside-garnet-ankerite-magnetite-pyrrhotite skarn. 20 centimetre zone of ankerite altered pyroxene skarn hosting 3% Chalcopyrite in centre of interval. Banded to mottled pyroxene with or without garnet skarn hosts patchy and local chalcopyrite and pyrrhotite. Chalcopyrite is also hosted within calcite and dark grey to black (non-magnetic) seams/veinlets (chalcopyrite 0.5%, pyrrhotite 1%).							
						MD	GN	Mo				
						DK	GN	MA			Po	0.5
						DK	PK	BN	---	--	Cp	1
225.20	227.31	2.11	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Local garnets 0.5 x 0.5 centimetres. Minor chlorite veinlets with bleached selvages.							
						LT	GY	FO	CHL	1I	--	0
						DK	GY					
						DK	PU					
227.31	231.59	4.28	SKN	FG	Well banded, medium green to dark pink to dark green pyroxene-garnet skarn. Minor silicified marble/wollastonite interbedded within banded skarn. Weak chlorite alteration or pyroxene-garnet skarn. Minor intervals of diopside-actinolite-pyrrhotite skarn with weak blebby/patchy chalcopyrite. Minor veins/seams of chlorite with blebby chalcopyrite within diopside-actinolite-pyrrhotite skarn.							
						MD	GN					
						DK	PK	BN	CHL	2I	Cp	0.1
						DK	GN				Py	0.5
231.59	247.90	16.31	HBS	FG	Well foliated, dark grey-purple to light grey. Minor interbedded micaceous quartzite. Minor silicified hornfels-biotite schist with weak chlorite veining hosting abundant pyrrhotite-chalcopyrite blebs. Minor pyrite found locally on fractures as fine to medium grained blebs.							
						LT	GY					
						DK	PU	FO	SIL	2I	Cp	0.01
						DK	GY				Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
247.90	261.00	13.10	GBS	FG	Dark grey-purple to light grey, well foliated garnet-hornfels-biotite schist. Garnet crystals up to 1 x 1 centimetres found pervasively throughout interval ad comprise 2-5 percent. Approximately 1.5 metre interval of micaceous quartzite from 255.40-256.00 m. Minor fuchsite alteration of micas within micaceous quartzite. Intermittent zones of moderate chlorite alteration of hornfels-biotite schist, with garnets and biotite altering to chlorite.							
						LT	GY	FO	CHL	1I	--	0
						DK	GY					
						DK	PU					
261.00	266.25	5.25	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Intermittent zones of strongly silicified +/- chlorite altered hornfels-biotite schist. Minor interbedded micaceous quartzite found intermittently. Weak pyrrhotite along biotite foliation. Locally garnet rich for last 1 metre of interval.							
						LT	GY		SIL	3I		
						DK	GY	FO	CHL	1I	Po	0.1
						DK	PU					
266.25	268.03	1.78	SKN	FG	Mottled garnet-pyroxene skarn with approximately 0.7 metres of micaceous quartzite. Minor chlorite-calcite veins (steeply dipping) hosting blebby chalcopyrite and pyrrhotite. Skarn hosts trace fine grained pyrite. Top 20 centimetres of interval hosts strong chlorite altered hornfels-biotite schist with disseminated and blebby pyrite.							
						MD	GN	BN	CHL	2I	Po	0.1
						DK	PK					
						DK	GN				Cp	0.1
268.03	271.50	3.47	HBS	FG	Very strongly chlorite altered, well foliated hornfels-biotite-schist. Weak to moderate pyrrhotite and pyrite found as disseminated/blebs and along fractures. Core fell out of tube and was recovered, but core is ground up and irregularly shaped.							
						DK	GN	FO	CHL	5I	Py	1
						DK	PU				Po	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
271.50	273.62	2.12	HBS	FG	Well foliated, strongly silicified, light grey to dark grey-purple hornfels-biotite schist. Minor intervals of light grey-white micaceous quartzite with chlorite and hornfels-biotite present micas. Strongly silicified hornfels-biotite schist has moderate chlorite seams with occasional weak pyrrhotite and pyrite blebs.							
						LT	GY	FO	SIL	4I	--	0
						DK	PU					
						DK	GY					
273.62	276.43	2.81	SKN	FG	Well banded, dark green to medium green to dark pink pyroxene-garnet skarn. Moderate chlorite veins/veinlets hosting blebby pyrrhotite and chalcopyrite. Minor epidote alteration of more garnet-rich skarn. Local zones hosting blebby disseminated chalcopyrite and pyrrhotite (chalcopyrite replacing pyrrhotite). Approximately 40 centimetre interval from 275.4-275.8 metres of Diopside-actinolite-garnet-magnetite-pyrrhotite skarn Magnetite found as patches within actinolite (retrograde zones). Pyrrhotite is found disseminated as medium to fine grained blebs. Trace chalcopyrite replacing pyrrhotite within interval.							
						MD	GN				Cp	0.5
						DK	PK	BN	CHL	1I	Mg	1
						DK	GN				Po	1
276.43	278.23	1.80	SKN	FG	Well foliated dark grey to medium grey to black actinolite-tremolite skarn. Minor talc/clay, medium to light green fractures surfaces 1 millimetre thick. Trace pyrrhotite found along local fractures (weak).							
						MD	GY					
						DK	GY		---	--		
						--	BL	FO	---	0I	Mg	10
278.23	281.64	3.41	HBS	FG	Dominantly massive, light grey micaceous quartzite with mica altering to hornfels biotite with trace chlorite (fine grained to medium grained flakes). Minor chlorite veinlets pervasive. Minor intermittent strongly chlorite altered hornfels-biotite schist. Last 40 centimetres hosts strongly silicified hornfels-biotite schist with weak local garnets.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	MA	CHL	2I	--	0
						DK	PU	FO				
281.64	296.24	14.60	HBS	FG	Dominantly well foliated, dark grey to dark purple to light grey hornfels-biotite schist. Moderate chlorite alteration of hornfels-biotite schist. Minor zones of actinolite-tremolite-biotite skarn. No visible mineralization. Minor zones of strongly silicified and strongly chlorite altered hornfels-biotite schist. Trace disseminated pyrite along low angled fractures over a 2 metre wide zone (2 per metre).							
						LT	GY					
						DK	GN	FO	CHL	4I	--	0
						DK	PU					
296.24	296.67	0.43	CSL	FG	Medium green to light grey, moderately foliated calc-silicate with minor moderately silicified hornfels-biotite schist. Trace fine grained to medium grained dark to medium purple garnet crystals disseminated. Trace blebby fine grained pyrite found locally within calc-silicate.							
						MD	PK					
						MD	GN					
						LT	GY	FO	---	--	Py	0.1
296.67	312.75	16.08	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor interbedded micaceous quartzite with fine to medium grained hornfels-biotite flakes. Low angled fractures at 1 per 3 metres host euhedral fine to medium grained pyrite within 1 millimetre wide calcite seams along fractures. Approximately 40-50 centimetre quartz-carbonate vein with moderate crackle breccia, moderate clay alteration and strong chlorite alteration (fault). Weak ankerite alteration of calcareous veining. Trace fine grained silvery mineral (arsenopyrite?) within vein. 7 centimetre wide diopside-pyrrhotite skarn hosting fine grained blebby chalcopyrite and pyrrhotite (2% chalcopyrite, 1% pyrrhotite) from 312.27-312.34 metres.							
						LT	GY					
						DK	PU	FO	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
312.75	321.62	8.87	FAP	CG	Feldspar-augite andesite porphyry dyke. Feldspar phenocrysts up to 1 x 1 centimetres are subhedral. Variably magnetite. Minor fractures host euhedral fine to medium grained pyrite. 8 quartz veinlets over 4 metre interval host blebby chalcopyrite (1-5%) in veinlets. A 5 x 3 centimetre xenolith of pyroxene-skarn hosts fine to medium grained blebby chalcopyrite (2%) and pyrrhotite (0.5%).							
						DK	GY	PO	CHL	2I	Cp	0.01
						DK	GN				Po	0.1
321.62	332.10	10.48	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor chlorite-pyrrhotite-chalcopyrite veinlets dominantly hosted in more silicified hornfels-biotite schist. Two diopside-pyrrhotite skarns 5 centimetres wide found intermittently and host weak blebby chalcopyrite. Minor micaceous quartz9te found intermittently. Weak pyrrhotite pyrite along hornfels-biotite schist foliation.							
						LT	GY				Po	0.1
						DK	PU	FO	SIL	2I	Py	0.01
						DK	GY				Cp	0.01
332.10	334.51	2.41	SKN	FG	Massive to mottled, medium green to dark purple. Black pyroxene-chlorite-garnet skarn. Interbedded banded semi-massive magnetite skarn. Pyroxene-garnet skarn hosts blebby chalcopyrite and molybdenite. Garnet is moderately retrograded into chlorite. Minor ankerite alteration, which hosts blebby fine grained chalcopyrite and molybdenite. Trace calcite-hematite veinlets hosting trace chalcopyrite and molybdenite. Semi-massive medium grained skarn hosts trace fine grained blebby chalcopyrite. Magnetite is weakly hematite altered.							
						MD	GN					
						DK	PK	MA			mo	0.1
						--	BL	Mo	HEM	1I	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
334.51	336.14	1.63	HBS	FG	Well foliated, moderately to strongly silicified and sericite altered, light green to medium grey to dark grey to purple hornfels-biotite schist. Minor interval of micaceous quartzite with micas altered to hornfels-biotite. Trace blebby fine grained chalcopyrite and pyrrhotite at contact (5 centimetre wide into contact). Local garnets within dark grey-purple to light grey hornfels-biotite up to 0.5 x 0.5 centimetres.							
						LT	GY		SIL	3I		
						DK	GY	FO	SER	3I	--	0
						DK	PU					
336.14	336.38	0.24	SKN	FG	Diopside-actinolite-pyrrhotite skarn, dark to medium green, massive and hosts about 15% pyrrhotite. Blebby chalcopyrite is replacing pyrrhotite and found locally on its own.							
						MD	GN				Po	15
						DK	GN	MA	---	--	Cp	2
336.38	344.60	8.22	HBS	FG	Well foliated, dark grey-purple to light grey, highly fractured hornfels-biotite schist. Intermittently moderately silicified and weakly sericite altered. 1 quartz vein (light grey to white) 5 centimetres thick hosting blebby to patchy pyrite and chalcopyrite (Pyrite 3%, chalcopyrite 1%)							
						LT	GY	FO	SIL	2I	--	0
						DK	GY		SER	1I		
						DK	PU					
344.60	345.72	1.12	AND	FG	Fine grained, beige-tan-light green andesite with moderate to strong calcite crackle breccia/veining. Xenoliths and breccia comprise dark grey-purple to light grey angular. Hornfels-biotite schist clasts and beige fine grained andesite clasts (angular) within light grey quartz matrix hosting trace pyrite.							
						LT	GN	---	BLE	3I	--	0
						--	BG					
						--	TN					
345.72	347.96	2.24	HBS	FG	Strongly chlorite altered, weakly to moderately silicified dark to light green hornfels-biotite schist. Moderate calcite veining/flooding. Lower contact with andesite dyke is strongly clay altered.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN		SIL	2I		
						DK	GN	FO	CHL	3I	--	0
347.96	349.17	1.21	AND	FG	Dark green, fine grained andesite dyke. Fine grained augite crystals altering to epidote. Disseminated calcite filled amygdule. Minor calcite seams pervasive.							
						DK	GY	---	EPI	2I	--	0
						DK	GN					
349.17	351.08	1.91	HBS	FG	Dark grey to medium grey to dark green, well foliated hornfels-biotite schist. Top contact is strongly chlorite and sericite altered over 15 centimetres. Moderately silicified intermittently. Fault zone in centre of interval for approximately 50 centimetres of rubble (no clay - washed away).							
						MD	GY		CHL	2I		
						DK	GN	FO	SIL	2I	--	0
						DK	GY		SER	2I		
351.08	351.98	0.90	SKN	FG	Well foliated to massive diopside skarn with interbedded dark grey to purple to light grey hornfels biotite schist. Hosting disseminated to blebby chalcopyrite. Minor quartz veinlets/seams hosting blebby chalcopyrite.							
						LT	GY	FO	SER	1I	Cp	0.5
						DK	GY	MA	CHL	1I	Py	0.01
						DK	GN					
351.98	357.15	5.17	HBS	FG	Well foliated, light to dark grey to dark purple hornfels biotite schist with moderate quartz veining oblique to foliation and along it. Trace calcite veinlets at low angles TCA.							
						LT	GY					
						DK	PU	FO	OXI	1I	--	0
						DK	GY					
357.15	359.91	2.76	HBS	FG	Moderately foliated, light to medium green, strongly chlorite and moderately sericite altered hornfels biotite schist with quartz-carbonate vein crackle breccia to mosaic breccia (clast supported), with angular chlorite altered hornfels biotite schist and dark grey quartz clasts. Moderate ankerite alteration of carbonate. Trace fine grained pyrite found locally.							
						MD	GN	FO	SER	2I	Py	0.01
						LT	GN		CHL	4I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
359.91	361.26	1.35	HBS	FG	Well foliated, light to dark grey to dark purple hornfels biotite schist with 2nd half of interval moderately to strongly silicified. Trace fine grained blebby chalcopyrite within hornfels biotite schist.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU					
361.26	361.51	0.25	SKN	FG	Diopside-chlorite-actinolite-pyrrhotite skarn hosting blebby chalcopyrite associated with pyrrhotite. Pyrrhotite-chalcopyrite seams present as well.							
						MD	GN				Po	5
						DK	GN	---	CHL	3I	Cp	2
361.51	362.73	1.22	HBS	FG	Well foliated, medium purple to light grey, moderately silicified hornfels biotite schist with moderate calcite veining.							
						MD	PU					
						LT	GY	FO	SIL	3I	--	0
362.73	364.84	2.11	SKN	FG	Mottled, pyroxene-garnet-chlorite skarn with minor interbedded hornfels biotite schist with trace chlorite altered stringers hosting trace pyrite and chalcopyrite.							
						MD	GN	Mo	CHL	1I	Py	0.1
						MD	PK					
364.84	367.43	2.59	HBS	FG	Well foliated, silicified hornfels biotite schist with chlorite/sericite alteration and 30 cm wide interval of strong garnets with size up to 1.5x1.5 cm.							
						LT	GY	FO	SER	1I	--	0
						LT	GN		CHL	1I		
						DK	PU					
367.43	370.71	3.28	SKN	FG	Massive to mottled pyroxene-garnet skarn with interbedded diopside-pyrrhotite skarn hosting blebby pyrite and chalcopyrite in (chlorite?) stringers and patchy pyrite/chalcopyrite associated with pervasive pyrrhotite.							
						MD	PK	Mo			Py	0.1
						MD	GN	MA	---	--	Po	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN				Cp	0.1
370.71	386.09	15.38	HBS	FG	Well foliated hornfels biotite schist with minor pyrite-pyrrhotite-chlorite stringers and intermittent chlorite-sericite alteration and infrequent quartz veinlets.							
						MD	GN					
						LT	GY					
						DK	PU	FO	SER	1I	Py	0.01
						DK	GY		CHL	2I		
386.09	386.90	0.81	FAP	FG	Dark green to grey feldspar andesite porphyry with minor calcite veinlets.							
						DK	GY	PO	---	--	--	0
						DK	GN					
386.90	392.36	5.46	HBS	FG	Well foliated hornfels biotite schist with intermittent weak to moderate silicification and chlorite alteration. Trace calcite stringers and quartz veinlets with 5 cm zone of strong pyrrhotite-chalcopyrite-molybdenite-pyrite blebs and along foliation.							
						MD	GY		SIL	2I	Po	5
						DK	PU	FO	CHL	2I	mo	3
											Cp	1
392.36	393.76	1.40	FFP	FG	Propylitic altered felsic feldspar porphyry.							
						MD	GY	PO	PRO	4I	--	0
393.76	394.82	1.06	FAP	FG	Dark green to grey feldspar andesite porphyry with trace calcite stringers and medium grained augite phenocrysts.							
						DK	GN	PO	---	--	--	0
						DK	GY					
394.82	398.15	3.33	FFP	FG	Propylitic altered felsic feldspar porphyry with infrequent chlorite stringers and trace calcite veinlets.							
						MD	GY	PO	PRO	3I	--	0
398.15	400.27	2.12	FFP	FG	Light brown to maroon felsic feldspar porphyry (with higher magnesium content?) with pervasive chlorite-calcite stringers and intermittent hornfels biotite schist and quartz veins up to 15 cm.							
						LT	BN	PO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
400.27	402.68	2.41	FFP	FG	Propylitic altered felsic feldspar porphyry with trace calcite stringers and medium grained augite + biotite/hornblende.							
						MD	GY	PO	PRO	4I	--	0
402.68	403.46	0.78	FAP	FG	Feldspar andesite porphyry with quartz eyes.							
						DK	GY	PO	---	--	--	0
						DK	GN					
403.46	410.79	7.33	HBS	FG	Well foliated hornfels biotite schist with intermittent silicified sections up to 20 cm wide, garnets up to 1x1 cm, trace disseminated pyrite, chalcopyrite and pyrrhotite along foliation.							
						MD	GY	FO	---	--	Py	0.01
						DK	PU				Po	0.01
410.79	415.60	4.81	HBS	MG	Well foliated, moderate chlorite altered diorite with trace disseminated pyrite found locally along foliation. Moderately magnetic. Locally patchy pyrrhotite in more chlorite altered sections and moderate quartz present (chlorite altered micas) in bands.							
						MD	GN	FO	---	--	--	0
						MD	GY					
415.60	416.83	1.23	CSL	FG	Moderately foliated calc-silicate with quartz veins up to 2 cm wide present with chlorite along selvages. Strong calcite veining and trace fine grained pyrite/chalcopyrite blebs.							
						MD	GN	FO	---	--	--	0
						LT	GN					
416.83	418.61	1.78	HBS	MG	Well foliated diorite with chlorite/propylitic alteration, blebby pyrite in chlorite stringers, and pyrite along foliation.							
						MD	GY	FO	PRO	4I	Py	0.01
						MD	GN					
418.61	419.84	1.23	HBS	FG	Well foliated hornfels biotite schist with trace fine grained pyrite. Last 20 cm of interval comprising micaceous quartzite. Trace chlorite/pyrite veinlets.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	FO	SIL	3I	Py	0.01
419.84	458.75	38.91	HBS	FG	Well foliated diorite with moderate sericite alteration and silicification, and weak to moderate chlorite alteration found intermittently. Pervasive disseminate pyrite throughout +/- chalcopyrite. Local chlorite/pyrite seams. Fine to medium grained pyrite blebs found along foliation.							
						MD	GN	FO	SIL	3I	Py	0.1
						MD	GY		SER	3I		
458.75	465.12	6.37	HBS	MG	Moderately foliated, non-magnetic, quartz-rich hornfels biotite schist with intermittent sections of traditional HBS up to 30 cm wide. Quartz veins hosting trace blebby pyrite and chalcopyrite up to 1 cm wide cut foliation at shallow angles. Chlorite and carbonate often occur as selvages. Possible trace diopside skarn horizons hosting trace chalcopyrite up to 0.5 cm wide.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	48.07	48.07	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite-schist. Intermittent zones of moderately to strongly chlorite altered (light to medium green). Pervasive calcite-quartz veinlets with calcite veinlets generally oxidized. Minor zones of rubbly/highly fractured/weakly clay altered fault zones. 5 centimetres of massive pyroxene-pyrrhotite skarn at 19.80-19.85 metres. Trace pyrite found as blebs along hornfels-biotite-schist foliation.							
						DK	PU	FO	CHL	2I	--	0
						DK	GY		OXI	2I		
						LT	GY		SIL	1I		
48.07	55.64	7.57	SKN	FG	Banded to mottled dark grey-medium green-light grey-white skarn. Appears to be pyroxene to calc-silicate bands with ankerite? Alteration. Moderately oxidized veins/veinlets pervasive. Zone is strongly fractured/faulted with malachite along fractures as well as trace chalcopyrite on fractures and as blebs. Chalcopyrite has mostly weathered to malachite. Top 1 metre of interval abundant black pock marks (disseminated) and elongated along foliation.							
						DK	GY	BN	---	--	--	0
						MD	GN		---	--		
						--	WH					
						LT	GY					
55.64	60.96	5.32	FAP	CG	Dark green-medium green to dark grey feldspar andesite porphyry dyke. Interval is moderately oxidized and intermittently highly fractured/rubbly and faulted. Minor oxide seams pervasive.							
						DK	GN					
						DK	GY	PO	OXI	2I	--	0
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
60.96	70.42	9.46	SKN	FG	Mottled garnet-pyroxene skarn. Dark pink to medium green. Garnet crystals up to 1 x 1 centimetres altering into chlorite (weak to moderately altered) and rimmed by medium pink garnets? Weak epidote alteration defined by patches. Weak locally blebby molybdenite (fine grained to medium grained). Epidote is occasionally associated with molybdenite. Trace chalcocite? Found interstitially between garnet crystals. Fine grained black to violet, striated on one face and 2-3 hardness. Trace magnetite-pyrrhotite stringers found locally. Highly fractured with or without clay altered zones hosting weak chalcopyrite and pyrite. Trace pyrite with or with chalcopyrite veinlets/seams.							
											CC	0.5
						DK	PK		EPI	1I	mo	0.1
						MD	GN	Mo	CHL	2I	Py	0.1
70.42	71.29	0.87	FAP	CG	Dark green-grey, coarse grained feldspar augite andesite porphyry dyke							
						DK	GY	PO	---	--	--	0
						DK	GN					
71.29	78.58	7.29	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite-schist. Intermittent zones of moderately oxidized, moderately sericitized and silicified zones, including over last 2 metres of interval. Local garnets found in unaltered hornfels-biotite schist up to 0.5 by 0.5 centimetres.							
						LT	GY	FO	OXI	2I	--	0
						DK	GY					
						DK	PU					
78.58	79.78	1.20	SKN	FG	Massive magnetite skarn, massive pyroxene-chlorite skarn and well banded medium to light green and white to light grey banded calc-silicate. Massive magnetite-pyroxene skarn (78.58-79.01 metres) hosts blebby chalcopyrite-pyrite stringers (Chalcopyrite 2%, pyrite 1%). Massive pyroxene-chlorite skarn (79.01-79.24 metres) is moderately bleached and silicified with no visible mineralization. Banded calc-silicate (79.24-79.78 m) no visible mineralization.							
						--	BL				Cp	0.5
						MD	GN	MA	CHL	1I	Py	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
79.78	83.51	3.73	HBS	FG	Well foliated, dark grey-purple to medium orange hornfels-biotite-schist. Fault zone with strong oxide, clay alteration and highly fractured zone from 81.73-83.50 metres. End of fault marked by 10 centimetre wide strongly oxidized quartz-carbonate breccia. This breccia is at contact with calc-silicate to skarn.							
						MD	OR					
						DK	GY	FO	OXI	3I	--	0
83.51	86.39	2.88	SKN	FG	Well banded, light grey-white silicified marble/wollastonite and massive to banded pyroxene skarn with weak epidote alteration. Skarn makes up 70 percent of interval. Epidote alteration is in patches and within seams. Trace hematite veinlets. Trace blebby pyrite.							
						LT	GY					
						MD	GN	BN	EPI	1I	--	0
86.39	92.61	6.22	MBL	FG	Light grey to medium grey, well banded silicified marble/wollastonite. Minor ankerite alteration of marble. Minor quartz-ankerite veinlets/veins pervasive.							
						MD	GY					
						LT	GY	BN	---	--	--	0
92.61	97.72	5.11	HBS	FG	Well foliated, dark grey-green-purple to light grey hornfels-biotite schist. Moderate quartz veinlets/veins pervasive. Becomes progressively more chlorite-rich towards the bottom contact.							
						DK	GN	FO	CHL	3I	--	0
						DK	GY					
						LT	GY					
97.72	100.78	3.06	SKN	FG	Well banded to mottled pyroxene-actinolite-tremolite skarn. Interbedded dark purple-grey to light grey hornfels-biotite schist. Skarn makes up about 80 percent of interval. Non-magnetic and moderately calcareous.							
						DK	GN	Mo	---	0I		
						MD	GN	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.78	103.05	2.27	AND	VF	Dark green-grey very fine grained andesite. Disseminated pyrite (fine grained and trace). Weak to moderately magnetic. Minor chlorite veinlets with bleached selvages.							
						DK	GY					
						DK	GN	MA	---	0I	Py	0.1
103.05	108.03	4.98	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Weakly chlorite altered locally. Minor intervals of chlorite seams within bleached hornfels-biotite schist.							
						LT	GY					
						DK	PU					
						DK	GY	FO	BLE	1I	--	0
108.03	113.39	5.36	SKN	FG	Massive pyroxene skarn, well banded silicified marble/wollastonite and pyroxene-garnet skarn. 108.03-111.20 - banded silicified marble/wollastonite. 111.2-113.39 dominantly pyroxene skarn (banded to massive) with minor mottled pyroxene-garnet skarn. Pyroxene skarn has weak to moderate epidote alteration as patches/seams along foliation. No visible mineralization.							
						MD	GN					
						LT	GY	BN	EPI	2I	--	0
113.39	114.70	1.31	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Top 50 centimetres of interval is moderately sericite and weakly chlorite altered.							
						LT	GY		SER	2I		
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
114.70	116.14	1.44	SKN	FG	Pyroxene-garnet-chlorite skarn and pyroxene-diopside-pyrrhotite skarn. Pyroxene garnet skarn is moderately to strongly epidote altered as patches replacing garnet. Weak to moderate retrograde alteration of garnet to chlorite. Trace blebby pyrite (114.70-114.95 m). 114.95-115.60 is pyroxene with or without garnet skarn. It is massive with minor mottled garnet and hosts trace fine grained pyrite. 115.6-116.14 metres is diopside-actinolite-pyrrhotite skarn hosting trace fine grained blebby chalcopyrite and pyrite. Minor chlorite veining pervasive with or without pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	MA	CHL	1I		
						MD	GN	Mo	EPI	1I	Po	0.1
116.14	119.40	3.26	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Intermittently moderately silicified. Chlorite alteration zone over 15 centimetres within interval, but mostly fresh hornfels-biotite schist. Minor pyrrhotite found along foliation.							
						LT	GY					
						DK	PU	FO	CHL	1I	--	0
						DK	GY		SIL	1I		
119.40	120.98	1.58	CSL	FG	Well banded, medium green to light grey calc-silicate. Medium green bands comprise pyroxene, light grey bands are silicified marble/wollastonite. Trace fine grained garnet within pyroxene bands.							
						LT	GY	BN	---	0I	--	0
						MD	GN					
120.98	123.36	2.38	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Last 20 centimetres of interval are moderately sericite altered at contact with andesite dyke.							
						DK	GY	FO	SER	2I	--	0
						DK	PU					
						LT	GY					
123.36	125.20	1.84	AND	VF	Very fine grained, massive dark green-grey andesite dyke with disseminated pyrrhotite (weakly to moderately magnetic). Last 30 centimetres are strongly bleached with minor relict dark green-grey massive andesite irregularly shaped laths (mixing at contact?).							
						DK	GY					
						DK	GY	MA	BLE	2I	Po	0.1
125.20	126.37	1.17	SKN	FG	Massive pyroxene-chlorite-garnet skarn with banded silicified marble, pyroxene and garnet bands over last 20 centimetres of interval. Weak epidote alteration of garnet? No visible mineralization, non-magnetic and weakly calcareous.							
						DK	PK	BN				
						MD	GN	MA	EPI	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
126.37	128.23	1.86	HBS	FG	Strongly sericite altered, strongly silicified, well foliated light grey-green hornfels-biotite schist. Relict dark grey-purple to light grey hornfels-biotite schist intervals.							
						LT	GN		SIL	4I		
						LT	GY	FO	SER	4I	--	0
128.23	130.43	2.20	AND	VF	Intermittent/mixed bleached very fine grained andesite, dark grey-green very fine grained andesite and well foliated dark grey-purple to light grey hornfels-biotite schist. Hornfels-biotite schist is variably strongly sericite altered and silicified with minor chlorite seams. Andesite is bleached at top and bottom contacts.							
						DK	GN	MA	BLE	4I	--	0
						DK	GY					
						LT	GY					
130.43	131.64	1.21	HBS	FG	Strongly sericite altered and strongly silicified well foliated light grey-green hornfels-biotite schist at top contact for 60 centimetres and grades into dark grey-purple to light grey well foliated hornfels-biotite schist with moderate chlorite veinlets and bleached intervals.							
						LT	GN	FO	SER	5I	--	0
						LT	GY		SIL	4I		
131.64	134.88	3.24	SKN	FG	Actinolite-tremolite skarn. Dark green to light grey with intermittent hornfels-biotite schist with mixing of actinolite-tremolite skarn. These mixed zones host medium grained to coarse grained biotite laths along foliation. Moderate chlorite altered.							
						LT	GY	FO	CHL	1I	--	0
						DK	GN	MA				
134.88	138.45	3.57	AND	VF	Mixed dark grey-green, very fine grained andesite dyke with strongly bleached zones at contacts and adjacent to xenoliths. Minor xenoliths comprise actinolite-tremolite skarn, pyroxene-garnet skarn and hornfels-biotite schist. Minor epidote alteration in more skarn-rich xenoliths with trace blebby pyrite.							
						DK	GN		BLE	4I		
						LT	GY	MA	CHL	1I	Py	0.1
									EPI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
138.45	142.84	4.39	SKN	FG	Pyroxene-garnet skarn. Well banded with marble zones of intermittent silicified bands. Moderate retrograde alteration of garnet altering into chlorite. Weak to moderate epidote alteration of garnet. No visible sulphides.							
						DK	PK	BN	CHL	2I	--	0
						MD	GN					
						DK	GN		EPI	2I		
142.84	146.74	3.90	CSL	FG	Well banded light grey to medium green calc-silicate. Light grey bands comprise silicified marble and medium green pyroxene with or without actinolite. Weak garnet bands found locally. Local trace pyroxene-magnetite bands host trace blebby chalcopyrite.							
						MD	GN	BN	SIL	3I	--	0
						LT	GY					
146.74	150.53	3.79	GBS	FG	Well foliated dark grey-purple to light grey, garnet-hornfels-biotite schist. Garnets range from 0.5 x 0.5 to 1 x 1 centimetres and are disseminated throughout interval. Garnets make up 2 percent of interval. Minor chlorite veinlets found locally. Intermittent zones of moderate blebby and disseminated pyrrhotite.							
						LT	GY					
						DK	GY					
						DK	PU	FO	---	--	--	0
150.53	156.02	5.49	SKN	FG	Well banded pyroxene-garnet-actinolite skarn and well banded silicified marble-pyroxene-garnet-actinolite calc-silicate to skarn. 30 centimetre zone of well banded silicified marble-pyroxene-garnet-actinolite with or without magnetite hosting blebby fine grained to medium grained chalcopyrite (1% Chalcopyrite).							
						DK	PK					
						LT	GY					
						DK	GN	BN	---	--	Cp	0.1
156.02	160.41	4.39	MBL	FG	Well banded, silicified marble/wollastonite and minor pyroxene with or without garnet bands. Minor epidote alteration within pyroxene-garnet bands in patches. Minor chlorite (with or without pyrrhotite) veinlets/veins cut silicified marble/wollastonite bands pervasively.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	BN	SIL	3I	--	0
160.41	165.18	4.77	FFP	CG	Felsic feldspar-hornblende-augite-quartz porphyry dyke. Strongly propylitic altered. Quartz eyes up to 0.5 centimetres.							
						MD	GY	PO	PRO	4I	--	0
165.18	169.45	4.27	HBS	FG	Well foliated dark grey-purple to light grey hornfels-biotite-schist. Local garnets found disseminated. 10 centimetres wide clay altered hornfels-biotite schist from 166.85-166.90 m with strong chlorite altered selvage at top contact over 5 centimetres. A 20 centimetre silicified-bleached zone with strong chlorite veinlets/flooding with blebby patchy pyrite with or without chalcopyrite. Bottom contact is strongly chlorite altered.							
						DK	PU					
						LT	GY		CHL	1I		
						DK	GY	FO	CLY	1I	--	0
169.45	170.69	1.24	FAP	CG	Feldspar-augite andesite porphyry dyke.							
						DK	GY		---	--		
						DK	GN	MA	---	0I	--	0
170.69	171.66	0.97	SKN	FG	Dark green-medium green actinolite-tremolite skarn with minor garnet and biotite foliations within skarn from top contact for 60 centimetres. Grades into massive actinolite tremolite skarn. No visible sulphides.							
						DK	GN	MA	---	0I	--	0
						MD	GN		---	--		
171.66	172.96	1.30	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor zones of bleached, silicified and chlorite altered hornfels-biotite-schist. Local fine grained garnet crystals found locally.							
						LT	GY	FO	CHL	2I	--	0
						DK	PU					
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
172.96	176.95	3.99	SKN	FG	Interbedded massive pyroxene-garnet skarn, diopside-actinolite-garnet skarn and hornfels-biotite schist. Massive pyroxene-garnet skarn for 60 centimetres of interval hosts trace blebby molybdenite. Diopside-actinolite-garnet skarn represents 60 centimetres of interval and is weakly magnetic (fine grained magnetite?) and hosts 10 centimetre interval of crackle breccia with dark pink chalcedonic matrix. Trace fine grained chalcopyrite and pyrite found locally. Dark grey-light grey to light green variably sericite altered and silicified hornfels-biotite schist found intermittently.							
						DK	GN				mo	0.01
						MD	GN	MA	---	0I	Cp	0.01
176.95	178.10	1.15	CSL	FG	Well banded to foliated light grey to medium green silicified marble with minor light green pyroxene bands. Minor intermittent dark grey-purple to light grey well foliated hornfels-biotite schist.							
						LT	GN	FO				
						LT	GY	BN	SIL	3I	--	0
178.10	184.98	6.88	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor fine grained to medium grained garnet crystals found locally. Intermittent zones of moderately silicified and chlorite altered hornfels-biotite schist. Minor chlorite with or without pyrite seams/veinlets found pervasively.							
						LT	GY					
						DK	PU	FO	CHL	1I	--	0
						DK	GY		SIL	1I		
184.98	192.92	7.94	SKN	FG	Massive pyroxene-wollastonite? Skarn to calc-silicate. Light to medium green, massive with disseminated white fine grained pits. Unit is weakly to moderately calcareous and hosts minor calcite with or without chlorite veins/veinlets. White to light grey needle minerals (wollastonite?) pervasive.							
						LT	GN	MA	---	0I	--	0
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
192.92	216.97	24.05	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor zones of moderately to strongly silicified and chlorite altered hornfels-biotite-schist. Trace calcite flooding with minor breccia of angular strongly chlorite altered hornfels-biotite schist clasts up to 0.5 centimetres. Local garnet crystals up to 0.5 centimetres. Minor zones of micaceous quartzite, defined by hornfels biotite laths/flakes within light grey fine grained quartzite. Moderate fine grained to medium grained pyrite found along fractures throughout entire interval.							
						DK	GY	FO	SIL	2I	Py	0.1
						DK	PU		CHL	2I		
						LT	GY					
216.97	220.60	3.63	CSL	FG	Well banded light grey to medium-light green calc-silicate. Light grey to medium grey bands comprise silicified marble/wollastonite, while light to medium green bands consist of pyroxene. Dominantly banded silicified marble/wollastonite with minor pyroxene bands. Weakly oxidized locally. Local trace ankerite alteration within marble.							
						LT	GY					
						LT	GN	BN	---	--	--	0
						MD	GN					
220.60	222.99	2.39	SKN	FG	Dark pink to dark green mottled to banded garnet-pyroxene skarn. Moderate calcite veinlets/veining pervasive. Trace blebby pyrite found locally. Last 20 centimetres of interval is moderately to strongly oxidized with a 3 centimetre wide calcite breccia marking end. Calcite breccia is matrix supported and hosts sub-rounded pyroxene skarn clasts ranging from 1 millimetre to 1 x 2 centimetres. Moderate pyrite is blebby and found as stringers. Skarn clasts within breccia host trace blebby, fine grained pyrite.							
						DK	PK	Mo	OXI	1I	Py	0.1
						DK	GN	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
222.99	225.20	2.21	SKN	FG	Diopside-garnet-ankerite-magnetite-pyrrhotite skarn. 20 centimetre zone of ankerite altered pyroxene skarn hosting 3% Chalcopyrite in centre of interval. Banded to mottled pyroxene with or without garnet skarn hosts patchy and local chalcopyrite and pyrrhotite. Chalcopyrite is also hosted within calcite and dark grey to black (non-magnetic) seams/veinlets (chalcopyrite 0.5%, pyrrhotite 1%).							
						MD	GN	BN				
						DK	GN	MA	---	--	Po	0.5
						DK	PK	Mo			Cp	1
225.20	227.31	2.11	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Local garnets 0.5 x 0.5 centimetres. Minor chlorite veinlets with bleached selvages.							
						DK	GY	FO	CHL	1I	--	0
						LT	GY					
						DK	PU					
227.31	231.59	4.28	SKN	FG	Well banded, medium green to dark pink to dark green pyroxene-garnet skarn. Minor silicified marble/wollastonite interbedded within banded skarn. Weak chlorite alteration or pyroxene-garnet skarn. Minor intervals of diopside-actinolite-pyrrhotite skarn with weak blebby/patchy chalcopyrite. Minor veins/seams of chlorite with blebby chalcopyrite within diopside-actinolite-pyrrhotite skarn.							
						DK	GN	BN	CHL	2I	Cp	0.1
						MD	GN				Py	0.5
						DK	PK					
231.59	247.90	16.31	HBS	FG	Well foliated, dark grey-purple to light grey. Minor interbedded micaceous quartzite. Minor silicified hornfels-biotite schist with weak chlorite veining hosting abundant pyrrhotite-chalcopyrite blebs. Minor pyrite found locally on fractures as fine to medium grained blebs.							
						DK	GY					
						LT	GY				Py	0.1
						DK	PU	FO	SIL	2I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
247.90	261.00	13.10	GBS	FG	Dark grey-purple to light grey, well foliated garnet-hornfels-biotite schist. Garnet crystals up to 1 x 1 centimetres found pervasively throughout interval ad comprise 2-5 percent. Approximately 1.5 metre interval of micaceous quartzite from 255.40-256.00 m. Minor fuchsite alteration of micas within micaceous quartzite. Intermittent zones of moderate chlorite alteration of hornfels-biotite schist, with garnets and biotite altering to chlorite.							
						DK	PU					
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
261.00	266.25	5.25	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Intermittent zones of strongly silicified +/- chlorite altered hornfels-biotite schist. Minor interbedded micaceous quartzite found intermittently. Weak pyrrhotite along biotite foliation. Locally garnet rich for last 1 metre of interval.							
						LT	GY					
						DK	PU	FO	CHL	1I	Po	0.1
						DK	GY		SIL	3I		
266.25	268.03	1.78	SKN	FG	Mottled garnet-pyroxene skarn with approximately 0.7 metres of micaceous quartzite. Minor chlorite-calcite veins (steeply dipping) hosting blebby chalcopyrite and pyrrhotite. Skarn hosts trace fine grained pyrite. Top 20 centimetres of interval hosts strong chlorite altered hornfels-biotite schist with disseminated and blebby pyrite.							
						DK	GN					
						DK	PK				Po	0.1
						MD	GN	BN	CHL	2I	Cp	0.1
268.03	271.50	3.47	HBS	FG	Very strongly chlorite altered, well foliated hornfels-biotite-schist. Weak to moderate pyrrhotite and pyrite found as disseminated/blebs and along fractures. Core fell out of tube and was recovered, but core is ground up and irregularly shaped.							
						DK	GN				Py	1
						DK	PU	FO	CHL	5I	Po	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
271.50	273.62	2.12	HBS	FG	Well foliated, strongly silicified, light grey to dark grey-purple hornfels-biotite schist. Minor intervals of light grey-white micaceous quartzite with chlorite and hornfels-biotite present micas. Strongly silicified hornfels-biotite schist has moderate chlorite seams with occasional weak pyrrhotite and pyrite blebs.							
						DK	PU					
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
273.62	276.43	2.81	SKN	FG	Well banded, dark green to medium green to dark pink pyroxene-garnet skarn. Moderate chlorite veins/veinlets hosting blebby pyrrhotite and chalcopyrite. Minor epidote alteration of more garnet-rich skarn. Local zones hosting blebby disseminated chalcopyrite and pyrrhotite (chalcopyrite replacing pyrrhotite). Approximately 40 centimetre interval from 275.4-275.8 metres of Diopside-actinolite-garnet-magnetite-pyrrhotite skarn Magnetite found as patches within actinolite (retrograde zones). Pyrrhotite is found disseminated as medium to fine grained blebs. Trace chalcopyrite replacing pyrrhotite within interval.							
						MD	GN	BN	CHL	1I	Mg	1
						DK	GN				Po	1
						DK	PK				Cp	0.5
276.43	278.23	1.80	SKN	FG	Well foliated dark grey to medium grey to black actinolite-tremolite skarn. Minor talc/clay, medium to light green fractures surfaces 1 millimetre thick. Trace pyrrhotite found along local fractures (weak).							
						--	BL					
						DK	GY		---	0I		
						MD	GY	FO	---	--	Mg	10
278.23	281.64	3.41	HBS	FG	Dominantly massive, light grey micaceous quartzite with mica altering to hornfels biotite with trace chlorite (fine grained to medium grained flakes). Minor chlorite veinlets pervasive. Minor intermittent strongly chlorite altered hornfels-biotite schist. Last 40 centimetres hosts strongly silicified hornfels-biotite schist with weak local garnets.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	CHL	2I	--	0
						DK	PU	MA				
281.64	296.24	14.60	HBS	FG	Dominantly well foliated, dark grey to dark purple to light grey hornfels-biotite schist. Moderate chlorite alteration of hornfels-biotite schist. Minor zones of actinolite-tremolite-biotite skarn. No visible mineralization. Minor zones of strongly silicified and strongly chlorite altered hornfels-biotite schist. Trace disseminated pyrite along low angled fractures over a 2 metre wide zone (2 per metre).							
						DK	GN	FO	CHL	4I	--	0
						DK	PU					
						LT	GY					
296.24	296.67	0.43	CSL	FG	Medium green to light grey, moderately foliated calc-silicate with minor moderately silicified hornfels-biotite schist. Trace fine grained to medium grained dark to medium purple garnet crystals disseminated. Trace blebby fine grained pyrite found locally within calc-silicate.							
						LT	GY					
						MD	GN					
						MD	PK	FO	---	--	Py	0.1
296.67	312.75	16.08	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor interbedded micaceous quartzite with fine to medium grained hornfels-biotite flakes. Low angled fractures at 1 per 3 metres host euhedral fine to medium grained pyrite within 1 millimetre wide calcite seams along fractures. Approximately 40-50 centimetre quartz-carbonate vein with moderate crackle breccia, moderate clay alteration and strong chlorite alteration (fault). Weak ankerite alteration of calcareous veining. Trace fine grained silvery mineral (arsenopyrite?) within vein. 7 centimetre wide diopside-pyrrhotite skarn hosting fine grained blebby chalcopyrite and pyrrhotite (2% chalcopyrite, 1% pyrrhotite) from 312.27-312.34 metres.							
						DK	PU					
						LT	GY	FO	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
312.75	321.62	8.87	FAP	CG	Feldspar-augite andesite porphyry dyke. Feldspar phenocrysts up to 1 x 1 centimetres are subhedral. Variably magnetite. Minor fractures host euhedral fine to medium grained pyrite. 8 quartz veinlets over 4 metre interval host blebby chalcopyrite (1-5%) in veinlets. A 5 x 3 centimetre xenolith of pyroxene-skarn hosts fine to medium grained blebby chalcopyrite (2%) and pyrrhotite (0.5%).							
						DK	GN				Cp	0.01
						DK	GY	PO	CHL	2I	Po	0.1
321.62	332.10	10.48	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Minor chlorite-pyrrhotite-chalcopyrite veinlets dominantly hosted in more silicified hornfels-biotite schist. Two diopside-pyrrhotite skarns 5 centimetres wide found intermittently and host weak blebby chalcopyrite. Minor micaceous quartz9te found intermittently. Weak pyrrhotite pyrite along hornfels-biotite schist foliation.							
						LT	GY				Cp	0.01
						DK	PU	FO	SIL	2I	Py	0.01
						DK	GY				Po	0.1
332.10	334.51	2.41	SKN	FG	Massive to mottled, medium green to dark purple. Black pyroxene-chlorite-garnet skarn. Interbedded banded semi-massive magnetite skarn. Pyroxene-garnet skarn hosts blebby chalcopyrite and molybdenite. Garnet is moderately retrograded into chlorite. Minor ankerite alteration, which hosts blebby fine grained chalcopyrite and molybdenite. Trace calcite-hematite veinlets hosting trace chalcopyrite and molybdenite. Semi-massive medium grained skarn hosts trace fine grained blebby chalcopyrite. Magnetite is weakly hematite altered.							
						--	BL	Mo			mo	0.1
						DK	PK					
						MD	GN	MA	HEM	1I	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
334.51	336.14	1.63	HBS	FG	Well foliated, moderately to strongly silicified and sericite altered, light green to medium grey to dark grey to purple hornfels-biotite schist. Minor interval of micaceous quartzite with micas altered to hornfels-biotite. Trace blebby fine grained chalcopyrite and pyrrhotite at contact (5 centimetre wide into contact). Local garnets within dark grey-purple to light grey hornfels-biotite up to 0.5 x 0.5 centimetres.							
						DK	PU					
						DK	GY	FO	SIL	3I	--	0
						LT	GY		SER	3I		
336.14	336.38	0.24	SKN	FG	Diopside-actinolite-pyrrhotite skarn, dark to medium green, massive and hosts about 15% pyrrhotite. Blebby chalcopyrite is replacing pyrrhotite and found locally on its own.							
						DK	GN				Po	15
						MD	GN	MA	---	--	Cp	2
336.38	344.60	8.22	HBS	FG	Well foliated, dark grey-purple to light grey, highly fractured hornfels-biotite schist. Intermittently moderately silicified and weakly sericite altered. 1 quartz vein (light grey to white) 5 centimetres thick hosting blebby to patchy pyrite and chalcopyrite (Pyrite 3%, chalcopyrite 1%)							
						LT	GY	FO	SER	1I	--	0
						DK	GY		SIL	2I		
						DK	PU					
344.60	345.72	1.12	AND	FG	Fine grained, beige-tan-light green andesite with moderate to strong calcite crackle breccia/veining. Xenoliths and breccia comprise dark grey-purple to light grey angular. Hornfels-biotite schist clasts and beige fine grained andesite clasts (angular) within light grey quartz matrix hosting trace pyrite.							
						LT	GN	---	BLE	3I	--	0
						--	TN					
						--	BG					
345.72	347.96	2.24	HBS	FG	Strongly chlorite altered, weakly to moderately silicified dark to light green hornfels-biotite schist. Moderate calcite veining/flooding. Lower contact with andesite dyke is strongly clay altered.							
						DK	GN		SIL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FO	CHL	3I	--	0
347.96	349.17	1.21	AND	FG	Dark green, fine grained andesite dyke. Fine grained augite crystals altering to epidote. Disseminated calcite filled amygdule. Minor calcite seams pervasive.							
						DK	GY	---	EPI	2I	--	0
						DK	GN					
349.17	351.08	1.91	HBS	FG	Dark grey to medium grey to dark green, well foliated hornfels-biotite schist. Top contact is strongly chlorite and sericite altered over 15 centimetres. Moderately silicified intermittently. Fault zone in centre of interval for approximately 50 centimetres of rubble (no clay - washed away).							
						MD	GY	FO	SIL	2I	--	0
						DK	GN		CHL	2I		
						DK	GY		SER	2I		
351.08	351.98	0.90	SKN	FG	Well foliated to massive diopside skarn with interbedded dark grey to purple to light grey hornfels biotite schist. Hosting disseminated to blebby chalcopyrite. Minor quartz veinlets/seams hosting blebby chalcopyrite.							
						LT	GY	MA	SER	1I	Cp	0.5
						DK	GY	FO	CHL	1I	Py	0.01
						DK	GN					
351.98	357.15	5.17	HBS	FG	Well foliated, light to dark grey to dark purple hornfels biotite schist with moderate quartz veining oblique to foliation and along it. Trace calcite veinlets at low angles TCA.							
						DK	PU					
						LT	GY	FO	OXI	1I	--	0
						DK	GY					
357.15	359.91	2.76	HBS	FG	Moderately foliated, light to medium green, strongly chlorite and moderately sericite altered hornfels biotite schist with quartz-carbonate vein crackle breccia to mosaic breccia (clast supported), with angular chlorite altered hornfels biotite schist and dark grey quartz clasts. Moderate ankerite alteration of carbonate. Trace fine grained pyrite found locally.							
						LT	GN		SER	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	FO	CHL	4I	Py	0.01
359.91	361.26	1.35	HBS	FG	Well foliated, light to dark grey to dark purple hornfels biotite schist with 2nd half of interval moderately to strongly silicified. Trace fine grained blebby chalcopyrite within hornfels biotite schist.							
						DK	GY					
						LT	GY	FO	SIL	3I	--	0
						DK	PU					
361.26	361.51	0.25	SKN	FG	Diopside-chlorite-actinolite-pyrrhotite skarn hosting blebby chalcopyrite associated with pyrrhotite. Pyrrhotite-chalcopyrite seams present as well.							
						MD	GN	---	CHL	3I	Cp	2
						DK	GN				Po	5
361.51	362.73	1.22	HBS	FG	Well foliated, medium purple to light grey, moderately silicified hornfels biotite schist with moderate calcite veining.							
						LT	GY					
						MD	PU	FO	SIL	3I	--	0
362.73	364.84	2.11	SKN	FG	Mottled, pyroxene-garnet-chlorite skarn with minor interbedded hornfels biotite schist with trace chlorite altered stringers hosting trace pyrite and chalcopyrite.							
						MD	PK	Mo	CHL	1I	Py	0.1
						MD	GN					
364.84	367.43	2.59	HBS	FG	Well foliated, silicified hornfels biotite schist with chlorite/sericite alteration and 30 cm wide interval of strong garnets with size up to 1.5x1.5 cm.							
						LT	GY					
						DK	PU	FO	SER	1I	--	0
						LT	GN		CHL	1I		
367.43	370.71	3.28	SKN	FG	Massive to mottled pyroxene-garnet skarn with interbedded diopside-pyrrhotite skarn hosting blebby pyrite and chalcopyrite in (chlorite?) stringers and patchy pyrite/chalcopyrite associated with pervasive pyrrhotite.							
						MD	GN	Mo	---	--	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA			Po	1
						MD	PK				Cp	0.1
370.71	386.09	15.38	HBS	FG	Well foliated hornfels biotite schist with minor pyrite-pyrrhotite-chlorite stringers and intermittent chlorite-sericite alteration and infrequent quartz veinlets.							
						MD	GN		SER	1I		
						DK	PU					
						LT	GY					
						DK	GY	FO	CHL	2I	Py	0.01
386.09	386.90	0.81	FAP	FG	Dark green to grey feldspar andesite porphyry with minor calcite veinlets.							
						DK	GN	PO	---	--	--	0
						DK	GY					
386.90	392.36	5.46	HBS	FG	Well foliated hornfels biotite schist with intermittent weak to moderate silicification and chlorite alteration. Trace calcite stringers and quartz veinlets with 5 cm zone of strong pyrrhotite-chalcopyrite-molybdenite-pyrite blebs and along foliation.							
						MD	GY	FO	CHL	2I	mo	3
											Po	5
						DK	PU		SIL	2I	Cp	1
392.36	393.76	1.40	FFP	FG	Propylitic altered felsic feldspar porphyry.							
						MD	GY	PO	PRO	4I	--	0
393.76	394.82	1.06	FAP	FG	Dark green to grey feldspar andesite porphyry with trace calcite stringers and medium grained augite phenocrysts.							
						DK	GY	PO	---	--	--	0
						DK	GN					
394.82	398.15	3.33	FFP	FG	Propylitic altered felsic feldspar porphyry with infrequent chlorite stringers and trace calcite veinlets.							
						MD	GY	PO	PRO	3I	--	0
398.15	400.27	2.12	FFP	FG	Light brown to maroon felsic feldspar porphyry (with higher magnesium content?) with pervasive chlorite-calcite stringers and intermittent hornfels biotite schist and quartz veins up to 15 cm.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	BN	PO	---	--	--	0
400.27	402.68	2.41	FFP	FG	Propylitic altered felsic feldspar porphyry with trace calcite stringers and medium grained augite + biotite/hornblende.							
						MD	GN	PO	PRO	4I	--	0
						MD	GY					
402.68	403.46	0.78	FAP	FG	Feldspar andesite porphyry with quartz eyes.							
						DK	GN					
						DK	GY	PO	---	--	--	0
403.46	410.79	7.33	HBS	FG	Well foliated hornfels biotite schist with intermittent silicified sections up to 20 cm wide, garnets up to 1x1 cm, trace disseminated pyrite, chalcopyrite and pyrrhotite along foliation.							
						MD	GY				Py	0.01
						DK	PU	FO	---	--	Po	0.01
410.79	415.60	4.81	HBS	MG	Well foliated, magnetic, moderate chlorite altered diorite with trace disseminated pyrite found locally along foliation. Moderately magnetic. Locally patchy pyrrhotite in more chlorite altered sections and moderate quartz present (chlorite altered micas) in bands.							
						MD	GN	FO	---	--	--	0
						MD	GY					
415.60	416.83	1.23	CSL	FG	Moderately foliated calc-silicate with quartz veins up to 2 cm wide present with chlorite along selvages. Strong calcite veining and trace fine grained pyrite/chalcopyrite blebs.							
						LT	GN					
						MD	GN	FO	---	--	--	0
416.83	418.61	1.78	HBS	MG	Well foliated, magnetic diorite with chlorite/propylitic alteration, blebby pyrite in chlorite stringers, and pyrite along foliation.							
						MD	GN	FO	PRO	4I	Py	0.01
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
418.61	419.84	1.23	HBS	FG	Well foliated hornfels biotite schist with trace fine grained pyrite. Last 20 cm of interval comprising micaceous quartzite. Trace chlorite/pyrite veinlets.							
						MD	GN	FO	SIL	3I	Py	0.01
						LT	GY					
419.84	458.75	38.91	HBS	MG	Well foliated, magnetic diorite with moderate sericite alteration and silicification, and weak to moderate chlorite alteration found intermittently. Pervasive disseminate pyrite throughout +/- chalcopyrite. Local chlorite/pyrite seams. Fine to medium grained pyrite blebs found along foliation. Minor pyrrhotite occasionally along foliation near end of interval.							
						MD	GY	FO	SER	3I	Py	0.1
						MD	GN		SIL	3I		
458.75	465.12	6.37	HBS	MG	Moderately foliated, non-magnetic, quartz-rich hornfels biotite schist with intermittent sections of traditional HBS up to 30 cm wide. Quartz veins hosting trace blebby pyrite and chalcopyrite up to 1 cm wide cut foliation at shallow angles. Chlorite and carbonate often occur as selvages. Possible trace diopside skarn horizons hosting trace chalcopyrite up to 0.5 cm wide.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	3.05	3.05	0.18	6	0.00	0	0R	--	1W	
3.05	4.57	1.52	0.47	31	0.13	9	0R	--	2W	
4.57	5.49	0.92	0.92	100	0.35	38	0R	--	2W	
5.49	8.53	3.04	3.04	100	0.96	32	0R	--	2W	
8.53	9.14	0.61	0.61	100	0.25	41	0R	--	2W	
9.14	12.19	3.05	3.05	100	1.11	36	0R	--	1W	
12.19	15.24	3.05	3.05	100	1.72	56	0R	--	1W	
15.24	18.29	3.05	3.05	100	1.86	61	0R	--	1W	
18.29	21.34	3.05	3.05	100	1.94	64	0R	--	1W	
21.34	24.38	3.04	3.04	100	1.44	47	0R	--	1W	
24.38	27.43	3.05	3.05	100	2.36	77	0R	--	1W	
27.43	30.48	3.05	3.05	100	2.58	85	0R	--	1W	
30.48	33.53	3.05	3.05	100	1.58	52	0R	--	1W	
33.53	36.58	3.05	3.05	100	0.85	28	0R	--	2W	
36.58	39.62	3.04	3.04	100	1.22	40	0R	--	1W	
39.62	42.67	3.05	2.97	97	1.85	61	0R	--	1W	
42.67	45.72	3.05	3.05	100	2.16	71	0R	--	1W	
45.72	47.24	1.52	1.52	100	0.63	41	0R	--	1W	
47.24	49.68	2.44	2.22	91	0.64	26	0R	--	3W	
49.68	50.90	1.22	1.22	100	0.10	8	0R	--	2W	
50.90	52.73	1.83	1.58	86	0.00	0	0R	--	3W	
52.73	54.86	2.13	1.85	87	0.83	39	0R	--	2W	
54.86	55.47	0.61	0.61	100	0.00	0	0R	--	4W	
55.47	57.91	2.44	1.79	73	0.24	10	0R	--	3W	
57.91	58.83	0.92	0.92	100	0.39	42	0R	--	3W	
58.83	60.96	2.13	2.13	100	0.43	20	0R	--	3W	
60.96	63.40	2.44	2.01	82	0.51	21	0R	--	1W	
63.40	66.14	2.74	2.74	100	1.07	39	0R	--	1W	
66.14	67.97	1.83	1.83	100	0.61	33	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
67.97	70.10	2.13	2.13	100	0.72	34	0R	--	1W	
70.10	73.15	3.05	3.05	100	1.23	40	0R	--	1W	
73.15	76.20	3.05	3.05	100	1.68	55	0R	--	1W	
76.20	79.24	3.04	3.04	100	2.56	84	0R	--	2W	
79.24	82.30	3.06	3.06	100	0.48	16	0R	--	3W	
82.30	83.51	1.21	0.3	25	0.00	0	0R	--	3W	
83.51	85.34	1.83	1.83	100	1.25	68	2R	--	1W	
85.34	88.39	3.05	3.05	100	2.43	80	1R	--	1W	
88.39	91.44	3.05	3.05	100	2.13	70	0R	--	1W	
91.44	94.49	3.05	3.05	100	2.34	77	0R	--	1W	
94.49	97.54	3.05	3.05	100	2.90	95	0R	--	1W	
97.54	100.58	3.04	3.04	100	2.45	81	1R	--	1W	
100.58	103.63	3.05	3.05	100	2.61	86	0R	--	1W	
103.63	106.68	3.05	3.05	100	2.19	72	0R	--	1W	
106.68	109.73	3.05	3.05	100	2.37	78	0R	--	1W	
109.73	112.78	3.05	3.05	100	2.62	86	1R	--	1W	
112.78	115.82	3.04	3.04	100	2.49	82	0R	--	1W	
115.82	118.87	3.05	3.05	100	2.25	74	0R	--	1W	
118.87	121.92	3.05	3.05	100	2.28	75	0R	--	1W	
121.92	124.97	3.05	3.05	100	2.36	77	0R	--	1W	
124.97	128.02	3.05	3.05	100	1.88	62	1R	--	1W	
128.02	131.06	3.04	3.04	100	1.11	37	0R	--	2W	
131.06	134.11	3.05	3.05	100	1.62	53	0R	--	1W	
134.11	137.16	3.05	3.05	100	2.15	70	0R	--	1W	
137.16	140.21	3.05	3.05	100	1.94	64	3R	--	1W	
140.21	143.26	3.05	3.05	100	2.90	95	2R	--	1W	
143.26	146.30	3.04	3.04	100	2.54	84	0R	--	1W	
146.30	149.35	3.05	3.05	100	2.48	81	0R	--	1W	
149.35	152.40	3.05	3.05	100	1.62	53	1R	--	1W	
152.40	155.45	3.05	3.05	100	1.71	56	1R	--	1W	
155.45	158.50	3.05	3.05	100	2.57	84	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
158.50	161.54	3.04	3.04	100	2.20	72	0R	--	1W	
161.54	164.59	3.05	3.05	100	2.16	71	0R	--	1W	
164.59	167.64	3.05	3.05	100	2.77	91	0R	--	1W	
167.64	170.69	3.05	2.9	95	2.75	90	0R	--	1W	
170.69	173.74	3.05	3.05	100	2.72	89	0R	--	1W	
173.74	176.78	3.04	3.04	100	2.55	84	0R	--	1W	
176.78	179.83	3.05	3.05	100	2.61	86	0R	--	1W	
179.83	182.88	3.05	3.05	100	2.68	88	0R	--	1W	
182.88	185.93	3.05	3.05	100	2.52	83	0R	--	1W	
185.93	188.98	3.05	3.05	100	2.69	88	0R	--	1W	
188.98	192.02	3.04	3.04	100	2.77	91	0R	--	1W	
192.02	195.07	3.05	3.05	100	2.31	76	0R	--	1W	
195.07	198.12	3.05	3.05	100	1.86	61	0R	--	1W	
198.12	201.17	3.05	3.05	100	1.40	46	0R	--	1W	
201.17	204.22	3.05	3.05	100	2.81	92	0R	--	1W	
204.22	207.26	3.04	2.7	89	1.98	65	0R	--	1W	
207.26	210.31	3.05	3.05	100	2.21	72	0R	--	1W	
210.31	213.36	3.05	3.05	100	2.53	83	0R	--	1W	
213.36	216.41	3.05	3.05	100	2.30	75	0R	--	1W	
216.41	219.46	3.05	3.05	100	1.54	50	1R	--	1W	
219.46	222.50	3.04	3.04	100	1.60	53	2R	--	1W	
222.50	225.55	3.05	3.05	100	1.78	58	1R	--	1W	
225.55	228.60	3.05	3.05	100	2.37	78	0R	--	1W	
228.60	231.65	3.05	3.05	100	2.35	77	0R	--	1W	
231.65	234.70	3.05	3.05	100	2.40	79	0R	--	1W	
234.70	237.74	3.04	3.04	100	2.40	79	0R	--	1W	
237.74	240.79	3.05	3.05	100	2.49	82	0R	--	1W	
240.79	243.84	3.05	3.05	100	2.19	72	0R	--	1W	
243.84	246.89	3.05	3.05	100	2.36	77	0R	--	1W	
246.89	249.94	3.05	3.05	100	2.67	88	0R	--	1W	
249.94	252.98	3.04	3.04	100	2.63	87	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
252.98	256.03	3.05	3.05	100	2.12	70	0R	--	1W	
256.03	259.08	3.05	3.05	100	2.46	81	0R	--	1W	
259.08	262.13	3.05	3.05	100	2.53	83	0R	--	1W	
262.13	265.18	3.05	3.05	100	2.42	79	0R	--	1W	
265.18	268.22	3.04	3.04	100	2.09	69	0R	--	1W	
268.22	271.27	3.05	3.05	100	1.53	50	0R	--	1W	
271.27	274.32	3.05	3.05	100	2.52	83	0R	--	1W	
274.32	277.37	3.05	3.05	100	2.63	86	0R	--	1W	
277.37	280.42	3.05	3.05	100	2.55	84	0R	--	1W	
280.42	283.46	3.04	2.9	95	2.28	75	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.17	71	0R	--	1W	
286.51	289.56	3.05	2.69	88	2.30	75	0R	--	1W	
289.56	292.61	3.05	3.05	100	2.64	87	0R	--	1W	
292.61	295.66	3.05	3.05	100	2.41	79	0R	--	1W	
295.66	298.70	3.04	3.04	100	1.92	63	0R	--	1W	
298.70	301.75	3.05	3.05	100	2.39	78	0R	--	1W	
301.75	304.80	3.05	3.05	100	2.37	78	0R	--	1W	
304.80	307.85	3.05	3.05	100	2.34	77	0R	--	1W	
307.85	310.90	3.05	2.8	92	1.44	47	1R	--	1W	
310.90	313.94	3.04	2.85	94	1.68	55	0R	--	1W	
313.94	315.47	1.53	1.42	93	0.64	42	0R	--	1W	
315.47	316.99	1.52	1.27	84	0.55	36	0R	--	1W	
316.99	320.04	3.05	3.05	100	2.77	91	0R	--	1W	
320.04	323.09	3.05	3.05	100	2.57	84	0R	--	1W	
323.09	326.14	3.05	2.75	90	1.72	56	1R	--	1W	
326.14	327.36	1.22	1.22	100	1.20	98	0R	--	1W	
327.36	329.18	1.82	1.82	100	1.40	77	0R	--	1W	
329.18	330.71	1.53	1.53	100	1.18	77	0R	--	1W	
330.71	333.76	3.05	3.05	100	2.08	68	0R	--	1W	
333.76	334.67	0.91	0.91	100	0.64	70	0R	--	1W	
334.67	337.11	2.44	2.44	100	1.31	54	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
337.11	338.33	1.22	1.22	100	0.56	46	0R	--	1W	
338.33	341.38	3.05	2.8	92	1.38	45	0R	--	1W	
341.38	344.42	3.04	2.61	86	0.25	8	0R	--	1W	
344.42	347.47	3.05	3.05	100	1.04	34	0R	--	1W	
347.47	350.52	3.05	2.35	77	1.52	50	0R	--	1W	
350.52	351.13	0.61	0.33	54	0.10	16	0R	--	1W	
351.13	352.96	1.83	1.83	100	0.97	53	0R	--	1W	
352.96	354.79	1.83	1.83	100	1.36	74	0R	--	1W	
354.79	356.62	1.83	1.83	100	1.41	77	0R	--	1W	
356.62	358.14	1.52	1.52	100	1.31	86	0R	--	1W	
358.14	359.66	1.52	1.52	100	0.65	43	0R	--	1W	
359.66	362.71	3.05	3.05	100	2.24	73	0R	--	1W	
362.71	365.76	3.05	3.05	100	2.50	82	0R	--	1W	
365.76	368.81	3.05	3.05	100	2.54	83	0R	--	1W	
368.81	371.86	3.05	3.05	100	2.26	74	0R	--	1W	
371.86	374.90	3.04	3.04	100	2.55	84	0R	--	1W	
374.90	377.95	3.05	3.05	100	2.56	84	0R	--	1W	
377.95	379.48	1.53	1.53	100	0.98	64	0R	--	1W	
379.48	382.52	3.04	3.04	100	1.72	57	0R	--	1W	
382.52	385.27	2.75	2.75	100	2.17	79	0R	--	1W	
385.27	387.10	1.83	1.83	100	1.60	87	0R	--	1W	
387.10	390.14	3.04	3.04	100	1.88	62	0R	--	1W	
390.14	392.28	2.14	2.14	100	1.34	63	0R	--	1W	
392.28	395.02	2.74	2.74	100	1.39	51	0R	--	1W	
395.02	396.85	1.83	1.83	100	0.96	52	0R	--	1W	
396.85	399.29	2.44	2.44	100	1.06	43	0R	--	1W	
399.29	401.73	2.44	1.83	75	0.75	31	0R	--	1W	
401.73	402.34	0.61	0.61	100	0.43	70	0R	--	1W	
402.34	405.38	3.04	3.04	100	2.66	88	0R	--	1W	
405.38	408.43	3.05	3.05	100	2.67	88	0R	--	1W	
408.43	411.48	3.05	3.05	100	2.78	91	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
411.48	414.53	3.05	3.05	100	2.35	77	0R	--	1W	
414.53	417.58	3.05	3.05	100	2.60	85	0R	--	1W	
417.58	420.62	3.04	3.04	100	2.34	77	0R	--	1W	
420.62	423.67	3.05	3.05	100	2.52	83	0R	--	1W	
423.67	426.72	3.05	3.05	100	2.68	88	0R	--	1W	
426.72	429.77	3.05	3.05	100	2.70	89	0R	--	1W	
429.77	432.82	3.05	2.7	89	1.97	65	0R	--	1W	
432.82	435.86	3.04	3.04	100	3.04	100	0R	--	1W	
435.86	438.91	3.05	3.05	100	3.00	98	0R	--	1W	
438.91	441.96	3.05	3.05	100	2.96	97	0R	--	1W	
441.96	445.01	3.05	3.05	100	2.89	95	0R	--	1W	
445.01	448.06	3.05	3.05	100	2.01	66	0R	--	1W	
448.06	450.80	2.74	2.74	100	2.51	92	0R	--	1W	
450.80	453.85	3.05	3.05	100	2.61	86	0R	--	1W	
453.85	455.68	1.83	1.83	100	1.77	97	0R	--	1W	
455.68	457.20	1.52	1.52	100	1.45	95	0R	--	1W	
457.20	460.25	3.05	3.05	100	2.88	94	0R	--	1W	
460.25	461.77	1.52	1.52	100	1.38	91	0R	--	1W	
461.77	464.82	3.05	3.05	100	2.96	97	0R	--	1W	
464.82	465.12	0.30	0.3	100	0.30	100	0R	--	1W	

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	K288528	☐	15-028	Orange	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288597	☐	15-030	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288594	☐	15-030	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288565	☐	15-029	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288563	☐	15-029	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288556	☐	15-029	Core	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K228508	☐	15-028	Orange		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288530	☐	15-028	Orange		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288514	☐	15-028	Orange	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288494	☐	15-027	W+B Stripe		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288491	☐	15-027	W+B Stripe	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288485	☐	15-027	W+B Stripe		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288471	☐	15-027	W+B Stripe	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288457	☐	15-026	Pink	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288450	☐	15-026	Pink		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288436	☐	15-026	Pink	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288551	☐	15-029	Core		☑	☐	☐
45.07	48.07	3.00	HBS	3.00	100	K288433	☐	15-026	Pink		☐	☐	☐
48.07	51.07	3.00	HBS, SKN	3.00	100	K288434	☐	15-026	Pink		☐	☐	☐
51.07	54.07	3.00	SKN	2.09	70	K288435	☐	15-026	Pink		☐	☐	☐
54.07	55.64	1.57	SKN	1.57	100	K288437	☐	15-026	Pink		☐	☐	☐
55.64	58.64	3.00	SKN, FAP	2.76	92	K288438	☐	15-026	Pink		☐	☐	☐
58.64	60.96	2.32	FAP	2.32	100	K288439	☐	15-026	Pink		☐	☐	☐

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
60.96	63.96	3.00	SKN, FAP	2.59	86	K288440	☐	15-026	Pink		☐	☐	☐
63.96	66.85	2.89	SKN	2.89	100	K288441	☐	15-026	Pink		☐	☐	☐
66.85	67.97	1.12	SKN	1.12	100	K288442	☐	15-026	Pink		☐	☐	☐
66.85	67.97	1.12	SKN	1.12	100	K288443	☐	15-026	Pink		☐	☐	☑
67.97	70.42	2.45	SKN	2.45	100	K288444	☐	15-026	Pink		☐	☐	☐
70.42	72.38	1.96	SKN, FAP	1.96	100	K288445	☐	15-026	Pink		☐	☐	☐
72.38	75.00	2.62	HBS	2.62	100	K288446	☐	15-026	Pink		☐	☐	☐
75.00	77.38	2.38	HBS	2.38	100	K288447	☐	15-026	Pink		☐	☐	☐
77.38	78.58	1.20	HBS	1.12	93	K288448	☐	15-026	Pink		☐	☐	☐
78.58	79.78	1.20	HBS, SKN	1.20	100	K288449	☐	15-026	Pink		☐	☐	☐
79.78	81.05	1.27	HBS, SKN	1.27	100	K288451	☐	15-026	Pink		☐	☐	☐
81.05	83.51	2.46	HBS	1.59	65	K288452	☐	15-026	Pink		☐	☐	☐
83.51	86.39	2.88	HBS, SKN	2.83	98	K288453	☐	15-026	Pink		☐	☐	☐
83.51	86.39	2.88	HBS, SKN	2.83	98	K288454	☐	15-026	Pink		☐	☑	☐
86.39	89.44	3.05	MBL, SKN	3.05	100	K288455	☐	15-026	Pink		☐	☐	☐
89.44	92.61	3.17	MBL	3.17	100	K288456	☐	15-026	Pink		☐	☐	☐
92.61	94.72	2.11	MBL, HBS	2.11	100	K288458	☐	15-026	Pink		☐	☐	☐
94.72	97.72	3.00	HBS	3.00	100	K288459	☐	15-026	Pink		☐	☐	☐
97.72	100.78	3.06	HBS, SKN	3.06	100	K288460	☐	15-026	Pink		☐	☐	☐
108.03	111.00	2.97	HBS, SKN	2.97	100	K288461	☐	15-026	Pink		☐	☐	☐
111.00	113.39	2.39	SKN	2.39	100	K288462	☐	15-026	Pink		☐	☐	☐
113.39	114.70	1.31	HBS, SKN	1.31	100	K288463	☐	15-026	Pink		☐	☐	☐

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
114.70	116.14	1.44	HBS, SKN	1.44	100	K288464	☐	15-026	Pink		☐	☐	☐
116.14	119.40	3.26	HBS, SKN	3.26	100	K288465	☐	15-027	W+B Stripe		☐	☐	☐
119.40	120.98	1.58	CSL, HBS	1.58	100	K288466	☐	15-027	W+B Stripe		☐	☐	☐
120.98	123.36	2.38	CSL, HBS	2.38	100	K288467	☐	15-027	W+B Stripe		☐	☐	☐
123.36	125.20	1.84	AND, HBS	1.84	100	K288468	☐	15-027	W+B Stripe		☐	☐	☐
125.20	126.37	1.17	SKN, AND	1.17	100	K288469	☐	15-027	W+B Stripe		☐	☐	☐
126.37	128.23	1.86	SKN, HBS	1.86	100	K288470	☐	15-027	W+B Stripe		☐	☐	☐
128.23	131.64	3.41	AND, HBS	3.41	100	K288472	☐	15-027	W+B Stripe		☐	☐	☐
131.64	134.88	3.24	HBS, SKN	3.24	100	K288473	☐	15-027	W+B Stripe		☐	☐	☐
134.88	135.98	1.10	SKN, AND	1.10	100	K288474	☐	15-027	W+B Stripe		☐	☐	☐
135.98	138.43	2.45	AND	2.45	100	K288475	☐	15-027	W+B Stripe		☐	☐	☐
138.43	140.43	2.00	AND	2.00	100	K288476	☐	15-027	W+B Stripe		☐	☐	☐
138.43	140.43	2.00	AND	2.00	100	K288477	☐	15-027	W+B Stripe		☐	☐	☑
140.43	142.54	2.11	SKN	2.11	100	K288478	☐	15-027	W+B Stripe		☐	☐	☐
142.54	144.00	1.46	SKN	1.46	100	K288479	☐	15-027	W+B Stripe		☐	☐	☐
144.00	146.74	2.74	CSL	2.74	100	K288480	☐	15-027	W+B Stripe		☐	☐	☐
146.74	150.53	3.79	GBS, CSL	3.79	100	K288481	☐	15-027	W+B Stripe		☐	☐	☐
146.74	150.53	3.79	GBS, CSL	3.79	100	K288482	☐	15-027	W+B Stripe		☐	☑	☐
150.53	153.59	3.06	GBS, SKN	3.06	100	K288483	☐	15-027	W+B Stripe		☐	☐	☐

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
153.59	154.59	1.00	SKN	1.00	100	K288484	☐	15-027	W+B Stripe		☐	☐	☐
154.59	156.02	1.43	SKN	1.43	100	K288486	☐	15-027	W+B Stripe		☐	☐	☐
156.02	157.59	1.57	MBL, SKN	1.57	100	K288487	☐	15-027	W+B Stripe		☐	☐	☐
157.59	160.41	2.82	MBL	2.82	100	K288488	☐	15-027	W+B Stripe		☐	☐	☐
170.69	171.69	1.00	FAP, SKN	1.00	100	K288489	☐	15-027	W+B Stripe		☐	☐	☐
171.69	172.96	1.27	HBS	1.27	100	K288490	☐	15-027	W+B Stripe		☐	☐	☐
172.96	175.15	2.19	SKN, HBS	2.19	100	K288492	☐	15-027	W+B Stripe		☐	☐	☐
175.15	176.15	1.00	SKN	1.00	100	K288493	☐	15-027	W+B Stripe		☐	☐	☐
176.15	178.10	1.95	SKN	1.95	100	K288495	☐	15-027	W+B Stripe		☐	☐	☐
178.10	181.00	2.90	HBS, CSL	2.90	100	K288496	☐	15-027	W+B Stripe		☐	☐	☐
181.00	183.00	2.00	HBS	2.00	100	K288497	☐	15-027	W+B Stripe		☐	☐	☐
183.00	184.98	1.98	HBS	1.98	100	K288498	☐	15-027	W+B Stripe		☐	☐	☐
184.98	187.98	3.00	HBS, SKN	3.00	100	K288499	☐	15-027	W+B Stripe		☐	☐	☐
187.98	190.03	2.05	SKN	2.05	100	K288500	☐	15-027	W+B Stripe		☐	☐	☐
190.03	192.92	2.89	SKN	2.89	100	K288501	☐	15-028	Orange		☐	☐	☐
192.92	195.26	2.34	SKN, HBS	2.34	100	K288502	☐	15-028	Orange		☐	☐	☐
214.97	216.97	2.00	HBS	2.00	100	K288503	☐	15-028	Orange		☐	☐	☐
216.97	219.00	2.03	HBS, CSL	2.03	100	K288504	☐	15-028	Orange		☐	☐	☐
219.00	220.60	1.60	CSL	1.60	100	K288505	☐	15-028	Orange		☐	☐	☐
220.60	222.99	2.39	SKN, CSL	2.39	100	K288506	☐	15-028	Orange		☐	☐	☐

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
222.99	225.20	2.21	SKN, SKN	2.21	100	K288507	☐	15-028	Orange		☐	☐	☐
225.20	227.31	2.11	HBS, SKN	2.11	100	K288509	☐	15-028	Orange		☐	☐	☐
225.20	227.31	2.11	HBS, SKN	2.11	100	K288510	☐	15-028	Orange		☐	☐	☑
227.31	229.00	1.69	SKN, HBS	1.69	100	K288511	☐	15-028	Orange		☐	☐	☐
229.00	231.59	2.59	SKN	2.59	100	K288512	☐	15-028	Orange		☐	☐	☐
231.59	234.59	3.00	SKN, HBS	3.00	100	K288513	☐	15-028	Orange		☐	☐	☐
234.59	237.59	3.00	HBS	3.00	100	K288515	☐	15-028	Orange		☐	☐	☐
237.59	240.59	3.00	HBS	3.00	100	K288516	☐	15-028	Orange		☐	☐	☐
240.59	243.59	3.00	HBS	3.00	100	K288517	☐	15-028	Orange		☐	☐	☐
243.59	245.43	1.84	HBS	1.84	100	K288518	☐	15-028	Orange		☐	☐	☐
245.43	247.90	2.47	HBS	2.47	100	K288519	☐	15-028	Orange		☐	☐	☐
247.90	250.90	3.00	HBS, GBS	3.00	100	K288520	☐	15-028	Orange		☐	☐	☐
250.90	253.90	3.00	GBS	3.00	100	K288521	☐	15-028	Orange		☐	☐	☐
250.90	253.90	3.00	GBS	3.00	100	K288522	☐	15-028	Orange		☐	☑	☐
253.90	256.90	3.00	GBS	3.00	100	K288523	☐	15-028	Orange		☐	☐	☐
256.90	259.90	3.00	GBS	3.00	100	K288524	☐	15-028	Orange		☐	☐	☐
259.90	262.90	3.00	GBS	3.00	100	K288525	☐	15-028	Orange		☐	☐	☐
262.90	264.50	1.60	HBS	1.40	88	K288526	☐	15-028	Orange		☐	☐	☐
264.50	266.25	1.75	HBS	1.75	100	K288527	☐	15-028	Orange		☐	☐	☐
266.25	268.03	1.78	SKN, HBS	1.78	100	K288529	☐	15-028	Orange		☐	☐	☐
268.03	270.00	1.97	HBS, SKN	1.97	100	K288531	☐	15-028	Orange		☐	☐	☐
270.00	271.50	1.50	HBS	1.50	100	K288532	☐	15-028	Orange		☐	☐	☐
271.50	273.62	2.12	HBS, HBS	2.12	100	K288533	☐	15-028	Orange		☐	☐	☐

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
273.62	276.43	2.81	SKN, HBS	2.81	100	K288534	☐	15-028	Orange		☐	☐	☐
276.43	278.23	1.80	SKN, SKN	1.80	100	K288535	☐	15-028	Orange		☐	☐	☐
278.23	281.64	3.41	SKN, HBS	2.36	69	K288536	☐	15-028	Orange		☐	☐	☐
281.64	284.64	3.00	HBS, HBS	2.90	97	K288537	☐	15-029	Core		☐	☐	☐
284.64	287.64	3.00	HBS	2.80	93	K288538	☐	15-029	Core		☐	☐	☐
287.64	290.64	3.00	HBS	2.84	95	K288539	☐	15-029	Core		☐	☐	☐
290.64	293.64	3.00	HBS	3.00	100	K288540	☐	15-029	Core		☐	☐	☐
293.64	295.66	2.02	HBS	2.02	100	K288541	☐	15-029	Core		☐	☐	☐
295.66	296.67	1.01	HBS	1.01	100	K288542	☐	15-029	Core		☐	☐	☐
296.67	299.67	3.00	HBS, CSL	3.00	100	K288543	☐	15-029	Core		☐	☐	☐
296.67	299.67	3.00	HBS, CSL	3.00	100	K288544	☐	15-029	Core		☐	☑	☐
299.67	302.67	3.00	HBS	3.00	100	K288545	☐	15-029	Core		☐	☐	☐
302.67	305.67	3.00	HBS	3.00	100	K288546	☐	15-029	Core		☐	☐	☐
305.67	308.67	3.00	HBS	3.00	100	K288547	☐	15-029	Core		☐	☐	☐
308.67	311.53	2.86	HBS	2.51	88	K288548	☐	15-029	Core		☐	☐	☐
308.67	311.53	2.86	HBS	2.51	88	K288549	☐	15-029	Core		☐	☐	☑
311.53	312.75	1.22	HBS	1.03	84	K288550	☐	15-029	Core		☐	☐	☐
312.75	315.75	3.00	HBS, FAP	2.89	96	K288552	☐	15-029	Core		☐	☐	☐
315.75	318.70	2.95	FAP	2.70	92	K288553	☐	15-029	Core		☐	☐	☐
318.70	321.62	2.92	FAP	2.92	100	K288554	☐	15-029	Core		☐	☐	☐
321.62	324.62	3.00	FAP, HBS	3.00	100	K288555	☐	15-029	Core		☐	☐	☐
324.62	327.62	3.00	HBS	3.00	100	K288557	☐	15-029	Core		☐	☐	☐
327.62	330.00	2.38	HBS	2.38	100	K288558	☐	15-029	Core		☐	☐	☐
330.00	332.10	2.10	HBS	2.10	100	K288559	☐	15-029	Core		☐	☐	☐

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
332.10	334.51	2.41	SKN, HBS	2.41	100	K288560	☐	15-029	Core		☐	☐	☐
334.51	336.38	1.87	HBS, SKN	1.87	100	K288561	☐	15-029	Core		☐	☐	☐
336.38	338.33	1.95	HBS, SKN	1.95	100	K288562	☐	15-029	Core		☐	☐	☐
349.17	351.98	2.81	AND, HBS	2.31	82	K288564	☐	15-029	Core		☐	☐	☐
351.98	354.98	3.00	HBS, SKN	3.00	100	K288566	☐	15-029	Core		☐	☐	☐
354.98	357.15	2.17	HBS	2.17	100	K288567	☐	15-029	Core		☐	☐	☐
357.15	359.91	2.76	HBS, HBS	2.76	100	K288568	☐	15-029	Core		☐	☐	☐
359.91	361.51	1.60	HBS, HBS	1.60	100	K288569	☐	15-029	Core		☐	☐	☐
361.51	362.73	1.22	HBS, SKN	1.22	100	K288570	☐	15-029	Core		☐	☐	☐
362.73	364.84	2.11	HBS, SKN	2.11	100	K288571	☐	15-029	Core		☐	☐	☐
364.84	367.43	2.59	HBS, SKN	2.59	100	K288572	☐	15-029	Core		☐	☐	☐
367.43	369.35	1.92	HBS, SKN	1.92	100	K288573	☐	15-030	Core		☐	☐	☐
369.35	370.71	1.36	SKN	1.36	100	K288574	☐	15-030	Core		☐	☐	☐
370.71	373.71	3.00	SKN, HBS	3.00	100	K288575	☐	15-030	Core		☐	☐	☐
373.71	376.71	3.00	HBS	3.00	100	K288576	☐	15-030	Core		☐	☐	☐
376.71	379.75	3.04	HBS	3.04	100	K288577	☐	15-030	Core		☐	☐	☐
379.75	380.75	1.00	HBS	1.00	100	K288578	☐	15-030	Core		☐	☐	☐
379.75	380.75	1.00	HBS	1.00	100	K288579	☐	15-030	Core		☐	☐	☑
380.75	383.39	2.64	HBS	2.64	100	K288580	☐	15-030	Core		☐	☐	☐
403.46	406.46	3.00	FAP, HBS	3.00	100	K288581	☐	15-030	Core		☐	☐	☐
406.46	409.46	3.00	HBS	3.00	100	K288582	☐	15-030	Core		☐	☐	☐
409.46	412.46	3.00	HBS	3.00	100	K288583	☐	15-030	Core		☐	☐	☐

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
412.46	415.60	3.14	HBS	3.14	100	K288584	☐	15-030	Core		☐	☐	☐
415.60	418.61	3.01	HBS, CSL	3.01	100	K288585	☐	15-030	Core		☐	☐	☐
415.60	418.61	3.01	HBS, CSL	3.01	100	K288586	☐	15-030	Core		☐	☑	☐
418.61	419.84	1.23	HBS, HBS	1.23	100	K288587	☐	15-030	Core		☐	☐	☐
419.84	421.00	1.16	HBS, HBS	1.16	100	K288588	☐	15-030	Core		☐	☐	☐
421.00	422.15	1.15	HBS	1.15	100	K288589	☐	15-030	Core		☐	☐	☐
422.15	425.15	3.00	HBS	3.00	100	K288590	☐	15-030	Core		☐	☐	☐
425.15	428.15	3.00	HBS	3.00	100	K288591	☐	15-030	Core		☐	☐	☐
458.75	460.30	1.55	HBS, HBS	1.55	100	K288592	☐	15-030	Core		☐	☐	☐
460.30	461.30	1.00	HBS	1.00	100	K288593	☐	15-030	Core		☐	☐	☐
461.30	463.30	2.00	HBS	2.00	100	K288595	☐	15-030	Core		☐	☐	☐
463.30	465.12	1.82	HBS	1.82	100	K288596	☐	15-030	Core		☐	☐	☐

Hopper - Hopper

Rockhaven Resources Ltd.

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397297	6794790	1244	402.34

ZONE: Hopper

SECTION:

HOLE: HOP-15-008

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 3.05m, Out

Drilling Dates: Aug 11 - Aug 14, 2015

Geology Logged By: E. Flavelle

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.19	250.5	-67.6	Ranger
387.09	269.1	-67.3	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	192.94	192.94	s
0	3.04	3.04	OVB
3.04	8.37	5.33	SCH
8.37	17.67	9.3	SCH
17.67	21.18	3.51	FEL
21.18	22.21	1.03	SCH
22.21	23.87	1.66	SKN
23.87	24.65	0.78	MBL
24.65	27.73	3.08	MBL
27.73	28.17	0.44	SCH
28.17	33.09	4.92	SCH
33.7	40.2	6.5	SCH
40.2	41.59	1.39	SCH
41.59	45.68	4.09	MBL
45.68	46.27	0.59	SCH
46.27	49.05	2.78	SCH

SAMPLES	
Numbers:	I358103 to I358129, K288598 to K288693
Total:	123
Batch:	5-0, 030, 031, 032, 033
Certificates:	WH15126200, WH15126204, WH15126209, WH15126211, WH15137581

COMMENTS

The hole was shut down as we were well past the target depth and into unfavourable lithology.

49.05	50.09	1.04	SCH
50.09	51.63	1.54	SCH
51.63	53.9	2.27	SCH
53.9	56.3	2.4	SCH
56.3	59.91	3.61	SCH
59.91	61.3	1.39	SCH
61.3	65.32	4.02	SCH
65.32	69.55	4.23	SCH
69.55	75.27	5.72	SCH
75.27	81.89	6.62	SCH
81.89	87.41	5.52	SCH
87.41	89.1	1.69	SKN
89.1	91.3	2.2	SCH
91.3	93.37	2.07	SCH
93.37	94.76	1.39	SCH
94.76	97.56	2.8	SCH
97.59	103.31	5.72	SCH
103.31	115.73	12.42	SCH
115.73	118.31	2.58	SCH
118.31	126.93	8.62	SCH
126.93	128.05	1.12	SKN
128.05	129.15	1.1	MBL
129.15	129.85	0.7	SCH
129.85	135.3	5.45	MBL
135.3	148.43	13.13	SCH
148.43	162.37	13.94	SCH
162.37	167.67	5.3	SCH
167.67	170.37	2.7	SCH
170.37	171.11	0.74	SCH
171.11	174.37	3.26	SCH
174.37	174.95	0.58	SCH
174.95	184.82	9.87	SCH

184.82	187.54	2.72	FEL
187.54	190.82	3.28	FEL
190.82	192.02	1.2	SCH
192.94	197.3	4.36	HBS
197.3	205.41	8.11	CSL
205.41	207.56	2.15	FAP
207.56	212.31	4.75	HBS
212.31	215.28	2.97	FAP
215.28	217.82	2.54	HBS
217.82	218.18	0.36	HBS
218.18	218.36	0.18	HBS
218.36	219.9	1.54	HBS
219.9	230.13	10.23	HBS
230.13	230.86	0.73	HBS
230.86	233.97	3.11	HBS
233.97	234.56	0.59	HBS
234.56	237.74	3.18	HBS
237.74	238.1	0.36	HBS
238.1	241.51	3.41	HBS
241.51	243.98	2.47	FAP
243.98	248.2	4.22	HBS
248.2	259.69	11.49	MBL
259.69	266.44	6.75	HBS
266.44	273.51	7.07	HBS
273.51	282.81	9.3	HBS
282.81	286.66	3.85	SKN
286.66	287.77	1.11	HBS
287.77	290.5	2.73	SKN
290.5	291.54	1.04	HBS
291.54	303.99	12.45	SKN
303.99	308.47	4.48	SKN
308.47	311.15	2.68	CSL

311.15	315.64	4.49	HBS
315.64	317.66	2.02	SKN
317.66	319.88	2.22	HBS
319.88	323.66	3.78	SKN
323.66	325.12	1.46	HBS
325.12	335.54	10.42	HBS
335.54	335.97	0.43	FAP
335.97	337.18	1.21	HBS
337.18	337.66	0.48	SKN
337.66	341.49	3.83	HBS
341.49	342.12	0.63	CSL
342.12	342.72	0.6	SKN
342.72	345.32	2.6	HBS
345.32	345.54	0.22	SKN
345.54	347.95	2.41	HBS
347.95	354.33	6.38	HBS
354.33	361.49	7.16	HBS
361.49	370.02	8.53	HBS
370.02	370.74	0.72	SKN
370.74	375.96	5.22	HBS
375.96	378.99	3.03	HBS
378.99	382.36	3.37	SKN
382.36	391.92	9.56	HBS
391.92	398.88	6.96	HBS
398.88	401.09	2.21	FAP
401.09	402.34	1.25	HBS

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
192.94	197.30	4.36	HBS	FG	Well foliated, hornfels biotite schist with few intervals of quartzite/micaceous quartzite up to 30 cm wide; trace pyrite/pyrrhotite along foliation and minor garnets up to 0.5x0.5 cm.							
						MD	GY	FO	---	--	Po	0.01
						DK	PU				Py	0.01
197.30	205.41	8.11	HBS	FG	Well foliated hornfels biotite schist with intermittent calc-silicate horizons up to 20 cm wide and quartzite/micaceous quartzite horizons up to 20 cm wide. Calc-silicate hosts trace pyrite +/- chalcopyrite and garnets up to 0.5x0.5cm. Possible diopside-chlorite skarn from 202.41-203.34 m hosting blebby pyrrhotite and disseminated pyrite along foliation (could simply be chlorite altered schist as it shows good foliation).							
						MD	GY	FO	CHL	2I	Py	0.01
						MD	GN		SER	2I	Po	0.01
						DK	PU					
205.41	207.56	2.15	FAP	CG	Epidote-hornblende-feldspar porphyry dyke. Clasts up to 1x1 cm.							
						MD	GN	PO	---	--	--	0
						DK	GY					
207.56	212.31	4.75	HBS	FG	Well foliated hornfels biotite schist with minor quartzite/micaceous quartzite horizons up to 10 cm wide. HBS hosts trace blebby pyrite and pyrite stringers as well as pyrrhotite along foliation and as blebs.							
						MD	GY				Po	0.01
						DK	PU	FO	---	--	Py	0.01
212.31	215.28	2.97	FAP	CG	Epidote-hornblende-feldspar porphyry dyke with clasts up to 1x1 cm.							
						MD	GN	PO	CHL	2I	--	0
						DK	GY					
215.28	217.82	2.54	HBS	FG	Well foliated hornfels biotite schist with minor micaceous quartzite horizons up to 4 cm wide, pyrite stringers and garnets up to 0.5x0.5 cm.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	FO	---	--	Py	0.01
						DK	PU					
217.82	218.18	0.36	HBS	FG	Moderately to strongly chlorite altered, well foliated hornfels biotite schist with pyrite and pyrrhotite blebs.							
						MD	GN	FO	CHL	3I	Py	1
						DK	GN		SER	2I	Po	1
218.18	218.36	0.18	HBS	FG	Well foliated hornfels biotite schist with minor micaceous quartzite horizons up to 5 cm wide, pyrite stringers and garnets up to 0.5x0.5 cm.							
						MD	GY	FO	---	--	Py	0.01
						DK	PU					
218.36	219.90	1.54	HBS	FG	Weakly foliated quartzite with minor, thin purple bands (hornfels biotite?) and trace disseminated pyrite in stringers.							
						MD	PU	FO	---	--	Py	0.01
						MD	WH					
219.90	230.13	10.23	HBS	FG	Well foliated hornfels biotite schist hosting blebby pyrite, pyrrhotite along foliation, pyrite stringers and minor garnets up to 2x2 mm.							
						MD	GY				Po	0.01
						DK	PU	FO	---	--	Py	0.01
230.13	230.86	0.73	HBS	FG	Weakly foliated quartzite with intermittent hornfels biotite schist. All hosting pyrite stringers, veinlets and blebs. Moderate to strong chlorite alteration.							
						MD	GN	FO	CHL	3I	Py	0.1
						DK	PU					
230.86	233.97	3.11	HBS	FG	Well foliated hornfels biotite schist with intermittent quartzite intervals up to 20 cm wide. Pyrite stringers and pyrrhotite along foliation.							
						MD	GY	FO	---	--	Py	0.1
						DK	PU				Po	0.1
233.97	234.56	0.59	HBS	FG	Strongly chlorite altered hornfels biotite schist with fine grained garnet overprinting; trace fine grained disseminated pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK	FO	CHL	4I	Py	0.01
						MD	GN		SER	2I		
234.56	237.74	3.18	HBS	FG	Well foliated hornfels biotite schist with intermittent quartzite/micaceous quartzite bands up to 15 cm wide. Pyrite and pyrrhotite blebs, pyrite stringers, pyrite on fractures and pyrrhotite along foliation occur occasionally.							
						MD	GY	FO	CHL	1I	Py	0.1
						DK	PU		SER	1I	Po	0.1
237.74	238.10	0.36	HBS	FG	Well foliated, chlorite altered hornfels biotite schist with pyrite stringers and one, rubbly, heavily carbonate stringed area (fault?).							
						DK	GN	FO	SER	2I	--	0
									CHL	4I		
238.10	241.51	3.41	HBS	FG	Chlorite altered, well foliated hornfels biotite schist with pyrrhotite along foliation and as blebs, pyrite on fractures; micaceous quartzite horizons up to 30 cm wide, and trace carbonate stringers.							
						MD	GN		CHL	2I	Po	0.1
						DK	PU	FO	SER	2I	Py	0.1
241.51	243.98	2.47	FAP	CG	Feldspar andesite porphyry with few clasts replaced by epidote. Carbonate stringers common. Disseminated pyrite/pyrrhotite occus occasionally.							
						MD	GN				Py	0.1
						DK	GN	PO	CHL	2I	Po	0.1
243.98	248.20	4.22	HBS	FG	Well foliated hornfels biotite schist with micaceous quartzite and quartzite bands up to 5 cm wide; minor silicification. Pyrite present as blebs and stringers, while pyrrhotite occurs as thin disseminations along foliation. Rare garnets up to 0.5x0.5 cm.							
						MD	GY		SER	1I		
						DK	PU	FO	SIL	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
248.20	259.69	11.49	MBL	MG	Patchy chlorite altered marble, calc-silicate and minor very altered hornfels biotite schist (approaching gneiss in some areas with limited schistosity and prevalent feldspar porphyroblasts). Strongly calcareous throughout. Trace disseminated to blebby pyrite and disseminated to pervasive pyrrhotite (max over 5 cm).							
						MD	GN	Mo	SER	4I	Py	0.01
						MD	BL	FO	CHL	3I	Po	0.1
						MD	WH					
259.69	266.44	6.75	HBS	FG	Well foliated, hornfels biotite schist with blebby pyrite in many fractures; garnets occur regularly up to 0.5x0.5 cm.							
						MD	GY					
						DK	PU	FO	---	--	Py	1
266.44	273.51	7.07	HBS	FG	Well foliated, rubbly chlorite altered hornfels biotite schist with moderate quartz-ankerite stringers to veinlets brecciating sometimes brecciating the HBS. Trace pyroxene skarn? Trace pyrite and pyrrhotite along foliation.							
						MD	GN	BX	CHL	4I	Py	0.01
								RB			Po	0.01
								FO				
273.51	282.81	9.30	HBS	FG	Well foliated hornfels biotite schist with minor interbeds of chlorite altered micaceous quartzite.							
						MD	GN	FO	CHL	2I	--	0
						DK	PU					
282.81	286.66	3.85	SKN	FG	Diopside-pyroxene-pyrrhotite skarn hosting blebby pyrite and chalcopyrite, pyrite stringers; minor epidote, vuggy in places.							
						MD	GN	VU	---	--	Py	1
						DK	GN				Cp	0.01
286.66	287.77	1.11	HBS	FG	Weakly foliated micaceous quartzite hosting trace disseminated to blebby pyrite.							
						MD	WH	FO	CHL	1I	Py	0.1
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
287.77	290.50	2.73	SKN	FG	Pyroxene-garnet skarn hosting disseminated to blebby pyrite +/- chalcopyrite and minor epidote. Trace pyrrhotite.							
						MD	GN	MA	SER	1I	Po	0.01
											Py	0.1
290.50	291.54	1.04	HBS	FG	Weakly foliated, chlorite altered micaceous quartzite to quartzite hosting pyrite stringers and blebs, as well as pyrrhotite blebs.							
						MD	WH	FO	CHL	2I	Py	0.1
						MD	GN					
291.54	303.99	12.45	SKN	FG	Pyroxene-garnet skarn hosting blebby pyrite, chalcopyrite and pyrrhotite. Minor actinolite. Magnetite present. Trace epidote and rare micaceous quartzite interbeds.							
						MD	GN	MA	---	--	Po	1
											Py	1
											Cp	0.1
303.99	308.47	4.48	SKN	FG	Pyroxene-diopside skarn interbedded with pyroxene-garnet (?) skarn and micaceous quartzite; all hosting blebby pyrrhotite, pyrite and chalcopyrite. Quartz-carbonate stringers/veinlets cut at shallow angles TCA. Minor epidote.							
						MD	GN	MA			Py	0.5
						DK	GN	FO	CHL	1I	Po	1
											Cp	0.5
308.47	311.15	2.68	CSL	FG	Calc-silicate (pyroxene-garnet) interbedded with chlorite altered hornfels biotite schist and minor diopside-pyroxene-garnet skarn; all with prevalent quartz-carbonate stringers and veinlets. Hosting trace blebby pyrite and disseminated pyrrhotite.							
						MD	GN	FO	CHL	3I	Py	0.01
						DK	PU					
311.15	315.64	4.49	HBS	FG	Folded, sericite altered, interbedded hornfels biotite schist and micaceous quartzite. Trace pyrrhotite along foliation.							
						MD	GY	FO	SER	3I	Po	0.01
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
315.64	317.66	2.02	SKN	FG	Diopside-pyroxene-pyrrhotite skarn interbedded with minor chlorite altered hornfels biotite schist. Folded where foliated (undulating). Blebby to pervasive pyrite and chalcopyrite in places. Minor epidote.							
						DK	GN	MA			Py	3
						DK	PU	FO	CHL	2I	Cp	1
317.66	319.88	2.22	HBS	FG	Sericite and chlorite altered, well foliated hornfels biotite schist with prevalent quartz-ankerite stringers and veinlets at shallow angles TCA. Trace pyrite and pyrrhotite disseminations and blebs.							
						DK	PU	FO	SER	3I	--	0
						DK	GN		CHL	2I		
319.88	323.66	3.78	SKN	FG	Diopside-pyroxene skarn hosting blebby pyrite, chalcopyrite and pyrrhotite interbedded with chlorite-epidote-sericite altered hornfels biotite schist. One 20 cm section with prevalent tremolite(?).							
						DK	PU	FO	SER	2I	Cp	1
						DK	GN		CHL	3I	Po	5
											Py	5
323.66	325.12	1.46	HBS	FG	Strongly sericite altered, well foliated hornfels biotite schist with prevalent quartz-carbonate stringers and veinlets at shallow angles TCA (less than 50 degrees). Trace pyrite blebs.							
						MD	GN	FO	CHL	1I	Py	0.01
						MD	GY		SER	4I		
325.12	335.54	10.42	HBS	FG	Variably chlorite-epidote altered, well foliated hornfels biotite schist with infrequent garnets up to 0.5x0.5cm and fine-grained overprinting. Trace diopside-tremolite (+/- actinolite) skarn up to 1 cm wide. Pyrrhotite along some foliation planes. Trace pyrite blebs and stringers, as well as on fractures. Folded near lower contact with feldspar andesite porphyry. Pink quartz veins up to 10 cm wide and rare chlorite stringers.							
						MD	GN	FO	CHL	2I	Po	0.1
						DK	PU		SER	1I	Py	0.1
335.54	335.97	0.43	FAP	CG	Feldspar andesite porphyry with feldspar clasts up to 0.3x0.3 cm.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	PO	CHL	2I	--	0
						DK	GN					
335.97	337.18	1.21	HBS	FG	Chlorite-sericite-epidote altered hornfels biotite schist with minor garnets up to 0.5x0.5 cm. Pink quartz veining common; trace pyrrhotite blebs.							
						MD	PU	FO	SER	3I	Po	0.01
						MD	GN		CHL	3I		
337.18	337.66	0.48	SKN	FG	Pyroxene-diopside-pyrrhotite skarn hosting disjointed pyrrhotite-pyrite veinlets and stringers at ~30 degrees TCA (also blebs present).							
						MD	GN	MA	CHL	2I	Py	1
						DK	GN				Po	1
337.66	341.49	3.83	HBS	FG	Weakly sericite-chlorite altered hornfels biotite schist with garnets up to 0.5x0.5 cm and overprinting occurring frequently. Minor interbedded micaceous quartzite. Pyrrhotite along foliation as well as some trace pyrite-pyrrhotite blebs.							
						MD	GY		CHL	1I	Po	0.1
						DK	PU	FO	SER	2I	Py	0.1
341.49	342.12	0.63	CSL	FG	Weakly foliated to massive calc-silicate (epidote-sericite-chlorite-pyroxene) with swirly quartz-carbonate veins up to 15 cm wide hosting trace chalcopyrite.							
						MD	GN	MA	SER	3I	--	0
						MD	WH	FO	CHL	3I		
342.12	342.72	0.60	SKN	FG	Weakly foliated, mostly massive pyroxene-diopside-pyrrhotite skarn hosting blebby to pervasive pyrite, chalcopyrite and pyrrhotite. Epidote overprinting, minor magnetite and few calcite stringers-veinlets.							
						MD	YW	MA	CHL	3I	Cp	1
						MD	GN	FO			Py	5
											Po	10
342.72	345.32	2.60	HBS	FG	Well foliated, chlorite-sericite altered hornfels biotite schist.							
						MD	GN	FO	CHL	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		SER	2I		
345.32	345.54	0.22	SKN	FG	Diopside-pyroxene-pyrrhotite skarn with few calcite stringers, minor epidote, pyrrhotite stringers, pyrite blebs +/- chalcopyrite blebs.							
						DK	PU	FO	---	--	Po	4
						DK	GN				Py	0.1
345.54	347.95	2.41	HBS	FG	Well foliated, chlorite altered hornfels biotite schist with pyrrhotite along foliation, minor garnets, pyrite on fractures and a clay-rich fault from 347.93-347.95 m.							
						MD	PU	FO	CHL	3I	--	0
						MD	GN					
347.95	354.33	6.38	HBS	FG	Well foliated, weakly chlorite altered hornfels biotite schist with one, 20 cm wide hornfels garnet-biotite schist horizon (351.60-351.79 m). Trace pyrite on fractures.							
						MD	GY					
						DK	PU	FO	CHL	1I	Py	0.1
354.33	361.49	7.16	HBS	FG	Interbedded hornfels biotite schist with strongly chlorite altered and garnet overprinted hornfels biotite schist. Garnet crystals also present up to 1x1 cm in size. Trace calcite stringers, pyrrhotite blebs, pyrrhotite along foliation and trace pyrite stringers/blebs.							
						MD	GN	FO	CHL	4I	Py	0.1
						DK	PU		SER	1I	Po	0.1
361.49	370.02	8.53	HBS	FG	Intermittent, well foliated hornfels biotite schist and micaceous quartzite to quartzite horizons up to 2 m wide. Trace carbonate stringers within quartzite and minor garnets (<2 mm) within hornfels biotite schist. Trace diopside-pyroxene-tremolite skarn up to 1 cm wide. Trace disseminated pyrite?							
						MD	WH	FO	CHL	1I	--	0
						DK	PU					
370.02	370.74	0.72	SKN	FG	Diopside-pyroxene-tremolite skarn hosting pyrrhotite-pyrite stringers-veinlets.							
						DK	GN	FO	---	--	Po	0.1
								MA			Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
370.74	375.96	5.22	HBS	FG	Intermittent, well foliated hornfels biotite schist, chlorite altered hornfels biotite schist and pyroxene skarn up to 10 cm wide hosting pyrrhotite-pyrite blebs. Chlorite altered HBS also has garnet overprinting. Minor micaceous quartzite.							
						MD	GN				Po	0.01
						MD	GY					
						DK	PU	FO	CHL	2I	Py	0.01
375.96	378.99	3.03	HBS	FG	Well foliated hornfels biotite schist with minor interbedded micaceous quartzite and hornfels garnet-biotite schist (20 cm section). 2 cm wide clay and carbonate-rich fault from 377.07-377.09 m. Trace carbonate stringers.							
						MD	PU	FO	---	--	--	0
						MD	GY					
						DK	PU					
378.99	382.36	3.37	SKN	FG	Interbedded pyroxene-diopside +/- tremolite skarn hosting pyrite, chalcopyrite blebs and calcite stringers; and, strongly chlorite altered hornfels biotite schist. Minor internedded micaceous quartzite.							
						MD	WH	FO	CHL	4I	Cp	0.01
						DK	GN				Py	0.1
382.36	391.92	9.56	HBS	FG	Unaltered to weakly chlorite altered, moderately well foliated, coarser grained hornfels biotite schist ("salt and pepper" foliated diorite?). Strongly magnetic with trace pyrite stringers and minor carbonate stringers. Pyrrhotite along foliation with trace vugs. Minor interbedded weakly chlorite altered micaceous quartzite.							
						MD	WH	VU			Py	0.01
						MD	GY	FO	CHL	1I	Po	0.01
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
391.92	398.88	6.96	HBS	FG	Interbedded, chlorite altered micaceous quartzite with prevalent quartz-carbonate stringers-veinlets (often brecciating host rock); and, weakly chlorite altered "salt and pepper" hornfels biotite schist (foliated diorite?). Strongly magnetic. Weak sericite overprinting. Trace pyrite, pyrrhotite and chalcopyrite blebs-stringers. Very large bleb/concentrated mineralization at 396.14 over 10 cm (photo).							
						MD	GN	FO	SER	1I	Cp	0.1
						MD	WH		CHL	2I	Py	1
						LT	GY				Po	0.1
398.88	401.09	2.21	FAP	CG	Feldspar andesite porphyry with clasts up to 0.4x0.4 cm and trace calcite stringers.							
						MD	GN	PO	---	--	--	0
						MD	GY					
401.09	402.34	1.25	HBS	FG	Weakly chlorite altered, moderately well foliated, strongly magnetic "salt and pepper" hornfels biotite schist (foliated diorite?). Trace pyrite.							
						MD	GY	FO	CHL	1I	Py	0.01
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
192.94	197.30	4.36	HBS	FG	Well foliated, hornfels biotite schist with few intervals of quartzite/micaceous quartzite up to 30 cm wide; trace pyrite/pyrrhotite along foliation and minor garnets up to 0.5x0.5 cm.							
						MD	GY	FO	---	--	Py	0.01
						DK	PU				Po	0.01
197.30	205.41	8.11	CSL	FG	Well foliated hornfels biotite schist with intermittent calc-silicate horizons up to 20 cm wide and quartzite/micaceous quartzite horizons up to 20 cm wide. Calc-silicate hosts trace pyrite +/- chalcopyrite and garnets up to 0.5x0.5cm. Possible diopside-chlorite skarn from 202.41-203.34 m hosting blebby pyrrhotite and disseminated pyrite along foliation (could simply be chlorite altered schist as it shows good foliation).							
						DK	PU	FO	SER	2I	Py	0.01
						MD	GN		CHL	2I	Po	0.01
						MD	GY					
205.41	207.56	2.15	FAP	CG	Epidote-hornblende-feldspar porphyry dyke. Clasts up to 1x1 cm.							
						MD	GN	PO	---	--	--	0
						DK	GY					
207.56	212.31	4.75	HBS	FG	Well foliated hornfels biotite schist with minor quartzite/micaceous quartzite horizons up to 10 cm wide. HBS hosts trace blebby pyrite and pyrite stringers as well as pyrrhotite along foliation and as blebs.							
						DK	PU	FO	---	--	Py	0.01
						MD	GY				Po	0.01
212.31	215.28	2.97	FAP	CG	Epidote-hornblende-feldspar porphyry dyke with clasts up to 1x1 cm.							
						DK	GY	PO	CHL	2I	--	0
						MD	GN					
215.28	217.82	2.54	HBS	FG	Well foliated hornfels biotite schist with minor micaceous quartzite horizons up to 5 cm wide, pyrite stringers and garnets up to 0.5x0.5 cm.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	FO	---	--	Py	0.01
						DK	PU					
217.82	218.18	0.36	HBS	FG	Moderately to strongly chlorite altered, well foliated hornfels biotite schist with pyrite and pyrrhotite blebs.							
						DK	GN	FO	CHL	3I	Py	1
						MD	GN		SER	2I	Po	1
218.18	218.36	0.18	HBS	FG	Well foliated hornfels biotite schist with minor micaceous quartzite horizons up to 5 cm wide, pyrite stringers and garnets up to 0.5x0.5 cm.							
						DK	PU	FO	---	--	Py	0.01
						MD	GY					
218.36	219.90	1.54	HBS	FG	Weakly foliated quartzite with minor, thin purple bands (hornfels biotite?) and trace disseminated pyrite in stringers.							
						MD	PU					
						MD	WH	FO	---	--	Py	0.01
219.90	230.13	10.23	HBS	FG	Well foliated hornfels biotite schist hosting blebby pyrite, pyrrhotite along foliation, pyrite stringers and minor garnets up to 2x2 mm.							
						MD	GY	FO	---	--	Py	0.01
						DK	PU				Po	0.01
230.13	230.86	0.73	HBS	FG	Weakly foliated quartzite with intermittent hornfels biotite schist. All hosting pyrite stringers, veinlets and blebs. Moderate to strong chlorite alteration.							
						DK	PU	FO	CHL	3I	Py	0.1
						MD	GN					
230.86	233.97	3.11	HBS	FG	Well foliated hornfels biotite schist with intermittent quartzite intervals up to 20 cm wide. Pyrite stringers and pyrrhotite along foliation.							
						DK	PU	FO	---	--	Po	0.1
						MD	GY				Py	0.1
233.97	234.56	0.59	HBS	FG	Strongly chlorite altered hornfels biotite schist with fine grained garnet overprinting; trace fine grained disseminated pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	PK	FO	CHL	4I	Py	0.01
						MD	GN		SER	2I		
234.56	237.74	3.18	HBS	FG	Well foliated hornfels biotite schist with intermittent quartzite/micaceous quartzite bands up to 15 cm wide. Pyrite and pyrrhotite blebs, pyrite stringers, pyrite on fractures and pyrrhotite along foliation occur occasionally.							
						DK	PU	FO	CHL	1I	Py	0.1
						MD	GY		SER	1I	Po	0.1
237.74	238.10	0.36	HBS	FG	Well foliated, chlorite altered hornfels biotite schist with pyrite stringers and one, rubbly, heavily carbonate stringed area (fault?).							
						DK	GN	FO	CHL	4I	--	0
									SER	2I		
238.10	241.51	3.41	HBS	FG	Chlorite altered, well foliated hornfels biotite schist with pyrrhotite along foliation and as blebs, pyrite on fractures; micaceous quartzite horizons up to 30 cm wide, and trace carbonate stringers.							
						DK	PU		CHL	2I	Py	0.1
						MD	GN	FO	SER	2I	Po	0.1
241.51	243.98	2.47	FAP	CG	Feldspar andesite porphyry with few clasts replaced by epidote. Carbonate stringers common. Disseminated pyrite/pyrrhotite occus occasionally.							
						DK	GN	PO	CHL	2I	Py	0.1
						MD	GN				Po	0.1
243.98	248.20	4.22	HBS	FG	Well foliated hornfels biotite schist with micaceous quartzite and quartzite bands up to 5 cm wide; minor silicification. Pyrite present as blebs and stringers, while pyrrhotite occurs as thin disseminations along foliation. Rare garnets up to 0.5x0.5 cm.							
						DK	PU	FO	SER	1I	Py	0.1
						MD	GY		SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
248.20	259.69	11.49	MBL	MG	Patchy chlorite altered marble, calc-silicate and minor very altered hornfels biotite schist (approaching gneiss in some areas with limited schistosity and prevalent feldspar porphyroblasts). Strongly calcareous throughout. Trace disseminated to blebby pyrite and disseminated to pervasive pyrrhotite (max over 5 cm).							
						MD	BL					
						MD	WH	FO	CHL	3I	Py	0.01
						MD	GN	Mo	SER	4I	Po	0.1
259.69	266.44	6.75	HBS	FG	Well foliated, hornfels biotite schist with blebby pyrite in many fractures; garnets occur regularly up to 0.5x0.5 cm.							
						DK	PU					
						MD	GY	FO	---	--	Py	1
266.44	273.51	7.07	HBS	FG	Well foliated, rubbly chlorite altered hornfels biotite schist with moderate quartz-ankerite stringers to veinlets brecciating sometimes brecciating the HBS. Trace pyroxene skarn? Trace pyrite and pyrrhotite along foliation.							
						DK	GN	BX	CHL	4I	Py	0.01
								RB				
						MD	GN	FO			Po	0.01
273.51	282.81	9.30	HBS	FG	Well foliated hornfels biotite schist with minor interbeds of chlorite altered micaceous quartzite.							
						MD	GN					
						DK	PU	FO	CHL	2I	--	0
282.81	286.66	3.85	SKN	FG	Diopside-pyroxene-pyrrhotite skarn hosting blebby pyrite and chalcopyrite, pyrite stringers; minor epidote, vuggy in places.							
						MD	GN	VU	---	--	Py	1
						DK	GN				Cp	0.01
286.66	287.77	1.11	HBS	FG	Weakly foliated micaceous quartzite hosting trace disseminated to blebby pyrite.							
						MD	WH					
						MD	GN	FO	CHL	1I	Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
287.77	290.50	2.73	SKN	FG	Pyroxene-garnet skarn hosting disseminated to blebby pyrite +/- chalcopyrite and minor epidote. Trace pyrrhotite.							
											Py	0.1
						MD	GN	MA	SER	1I	Po	0.01
290.50	291.54	1.04	HBS	FG	Weakly foliated, chlorite altered micaceous quartzite to quartzite hosting pyrite stringers and blebs, as well as pyrrhotite blebs.							
						MD	WH	FO	CHL	2I	Py	0.1
						MD	GN					
291.54	303.99	12.45	SKN	FG	Pyroxene-garnet skarn hosting blebby pyrite, chalcopyrite and pyrrhotite. Minor actinolite. Magnetite present. Trace epidote and rare micaceous quartzite interbeds.							
											Po	1
											Py	1
						MD	GN	MA	---	--	Cp	0.1
303.99	308.47	4.48	SKN	FG	Pyroxene-diopside skarn interbedded with pyroxene-garnet (?) skarn and micaceous quartzite; all hosting blebby pyrrhotite, pyrite and chalcopyrite. Quartz-carbonate stringers/veinlets cut at shallow angles TCA. Minor epidote.							
						MD	GN	MA	CHL	1I	Po	1
						DK	GN	FO			Cp	0.5
											Py	0.5
308.47	311.15	2.68	CSL	FG	Calc-silicate (pyroxene-garnet) interbedded with chlorite altered hornfels biotite schist and minor diopside-pyroxene-garnet skarn; all with prevalent quartz-carbonate stringers and veinlets. Hosting trace blebby pyrite and disseminated pyrrhotite.							
						MD	GN	FO	CHL	3I	Py	0.01
						DK	PU					
311.15	315.64	4.49	HBS	FG	Folded, sericite altered, interbedded hornfels biotite schist and micaceous quartzite. Trace pyrrhotite along foliation.							
						MD	GY					
						DK	PU	FO	SER	3I	Po	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
315.64	317.66	2.02	SKN	FG	Diopside-pyroxene-pyrrhotite skarn interbedded with minor chlorite altered hornfels biotite schist. Folded where foliated (undulating). Blebby to pervasive pyrite and chalcopyrite in places. Minor epidote.							
						DK	PU	MA			Cp	1
						DK	GN	FO	CHL	2I	Py	3
317.66	319.88	2.22	HBS	FG	Sericite and chlorite altered, well foliated hornfels biotite schist with prevalent quartz-ankerite stringers and veinlets at shallow angles TCA. Trace pyrite and pyrrhotite disseminations and blebs.							
						MD	GY		SER	3I		
						MD	GN	FO	CHL	2I	--	0
319.88	323.66	3.78	SKN	FG	Diopside-pyroxene skarn hosting blebby pyrite, chalcopyrite and pyrrhotite interbedded with chlorite-epidote-sericite altered hornfels biotite schist. One 20 cm section with prevalent tremolite(?).							
						DK	GN	FO	SER	2I	Po	5
											Cp	1
						DK	PU		CHL	3I	Py	5
323.66	325.12	1.46	HBS	FG	Strongly sericite altered, well foliated hornfels biotite schist with prevalent quartz-carbonate stringers and veinlets at shallow angles TCA (less than 50 degrees). Trace pyrite blebs.							
						MD	GY		SER	4I		
						MD	GN	FO	CHL	1I	Py	0.01
325.12	335.54	10.42	HBS	FG	Variably chlorite-epidote altered, well foliated hornfels biotite schist with infrequent garnets up to 0.5x0.5cm and fine-grained overprinting. Trace diopside-tremolite (+/- actinolite) skarn up to 1 cm wide. Pyrrhotite along some foliation planes. Trace pyrite blebs and stringers, as well as on fractures. Folded near lower contact with feldspar andesite porphyry. Pink quartz veins up to 10 cm wide and rare chlorite stringers.							
						MD	GN		SER	1I	Py	0.1
						DK	PU	FO	CHL	2I	Po	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
335.54	335.97	0.43	FAP	CG	Feldspar andesite porphyry with feldspar clasts up to 0.3x0.3 cm.							
						DK	PU	PO	CHL	2I	--	0
						DK	GN					
335.97	337.18	1.21	HBS	FG	Chlorite-sericite-epidote altered hornfels biotite schist with minor garnets up to 0.5x0.5 cm. Pink quartz veining common; trace pyrrhotite blebs.							
						MD	GN	FO	CHL	3I	Po	0.01
						MD	PU		SER	3I		
337.18	337.66	0.48	SKN	FG	Pyroxene-diopside-pyrrhotite skarn hosting disjointed pyrrhotite-pyrite veinlets and stringers at ~30 degrees TCA (also blebs present).							
						DK	GN	MA	CHL	2I	Po	1
						MD	GN				Py	1
337.66	341.49	3.83	HBS	FG	Weakly sericite-chlorite altered hornfels biotite schist with garnets up to 0.5x0.5 cm and overprinting occurring frequently. Minor interbedded micaceous quartzite. Pyrrhotite along foliation as well as some trace pyrite-pyrrhotite blebs.							
						DK	PU		CHL	1I	Py	0.1
						MD	GY	FO	SER	2I	Po	0.1
341.49	342.12	0.63	CSL	FG	Weakly foliated to massive calc-silicate (epidote-sericite-chlorite-pyroxene) with swirly quartz-carbonate veins up to 15 cm wide hosting trace chalcopyrite.							
						MD	GN	FO	SER	3I		
						MD	WH	MA	CHL	3I	--	0
342.12	342.72	0.60	SKN	FG	Weakly foliated, mostly massive pyroxene-diopside-pyrrhotite skarn hosting blebby to pervasive pyrite, chalcopyrite and pyrrhotite. Epidote overprinting, minor magnetite and few calcite stringers-veinlets.							
											Cp	1
						MD	YW	MA			Py	5
						MD	GN	FO	CHL	3I	Po	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
342.72	345.32	2.60	HBS	FG	Well foliated, chlorite-sericite altered hornfels biotite schist.							
						MD	GN		SER	2I		
						MD	GY	FO	CHL	1I	--	0
345.32	345.54	0.22	SKN	FG	Diopside-pyroxene-pyrrhotite skarn with few calcite stringers, minor epidote, pyrrhotite stringers, pyrite blebs +/- chalcopyrite blebs.							
						DK	GN	FO	---	--	Py	0.1
						DK	PU				Po	4
345.54	347.95	2.41	HBS	FG	Well foliated, chlorite altered hornfels biotite schist with pyrrhotite along foliation, minor garnets, pyrite on fractures and a clay-rich fault from 347.93-347.95 m.							
						MD	PU	FO	CHL	3I	--	0
						MD	GN					
347.95	354.33	6.38	HBS	FG	Well foliated, weakly chlorite altered hornfels biotite schist with one, 20 cm wide hornfels garnet-biotite schist horizon (351.60-351.79 m). Trace pyrite on fractures.							
						MD	GY					
						DK	PU	FO	CHL	1I	Py	0.1
354.33	361.49	7.16	HBS	FG	Interbedded hornfels biotite schist with strongly chlorite altered and garnet overprinted hornfels biotite schist. Garnet crystals also present up to 1x1 cm in size. Trace calcite stringers, pyrrhotite blebs, pyrrhotite along foliation and trace pyrite stringers/blebs.							
						DK	PU	FO	SER	1I	Po	0.1
						MD	GN		CHL	4I	Py	0.1
361.49	370.02	8.53	HBS	FG	Intermittent, well foliated hornfels biotite schist and micaceous quartzite to quartzite horizons up to 2 m wide. Trace carbonate stringers within quartzite and minor garnets (<2 mm) within hornfels biotite schist. Trace diopside-pyroxene skarn up to 1 cm wide. Trace disseminated pyrite?							
						MD	WH					
						DK	PU	FO	CHL	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
370.02	370.74	0.72	SKN	FG	Diopside-pyroxene-tremolite skarn hosting pyrrhotite-pyrite stringers-veinlets.							
						DK	GN	FO	---	--	Po	0.1
								MA			Py	0.1
370.74	375.96	5.22	HBS	FG	Intermittent, well foliated hornfels biotite schist, chlorite altered hornfels biotite schist and pyroxene skarn up to 10 cm wide hosting pyrrhotite-pyrite blebs. Chlorite altered HBS also has garnet overprinting. Minor micaceous quartzite.							
						DK	PU					
						MD	GY				Py	0.01
						MD	GN	FO	CHL	2I	Po	0.01
375.96	378.99	3.03	HBS	FG	Well foliated hornfels biotite schist with minor interbedded micaceous quartzite and hornfels garnet-biotite schist (20 cm section). 2 cm wide clay and carbonate-rich fault from 377.07-377.09 m. Trace carbonate stringers.							
						DK	PU	FO	---	--	--	0
						MD	PU					
						MD	GY					
378.99	382.36	3.37	SKN	FG	Interbedded pyroxene-diopside +/- tremolite skarn hosting pyrite, chalcopyrite blebs and calcite stringers; and, strongly chlorite altered hornfels biotite schist. Minor internedded micaceous quartzite.							
						DK	GN	FO	CHL	4I	Py	0.1
						MD	WH				Cp	0.01
382.36	391.92	9.56	HBS	FG	Unaltered to weakly chlorite altered, moderately well foliated, coarser grained hornfels biotite schist ("salt and pepper" foliated diorite?). Strongly magnetic with trace pyrite stringers and minor carbonate stringers. Pyrrhotite along foliation with trace vugs. Minor interbedded weakly chlorite altered micaceous quartzite.							
						MD	GY					
						DK	GY	FO			Po	0.01
						MD	WH	VU	CHL	1I	Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
391.92	398.88	6.96	HBS	FG	Interbedded, chlorite altered micaceous quartzite with prevalent quartz-carbonate stringers-veinlets (often brecciating host rock); and, weakly chlorite altered "salt and pepper" hornfels biotite schist (foliated diorite?). Strongly magnetic. Weak sericite overprinting. Trace pyrite, pyrrhotite and chalcopyrite blebs-stringers. Very large bleb/concentrated mineralization at 396.14 over 10 cm (photo).							
						MD	GN		CHL	2I	Cp	0.1
						MD	WH				Py	1
						LT	GY	FO	SER	1I	Po	0.1
398.88	401.09	2.21	FAP	CG	Feldspar andesite porphyry with clasts up to 0.4x0.4 cm and trace calcite stringers.							
						MD	GN	PO	---	--	--	0
						MD	GY					
401.09	402.34	1.25	HBS	FG	Weakly chlorite altered, moderately well foliated, strongly magnetic "salt and pepper" hornfels biotite schist (foliated diorite?). Trace pyrite.							
						MD	GY					
						MD	GN	FO	CHL	1I	Py	0.01

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	192.94	192.94	0	0	0.00	0	--	--	--	Previously geoteched in hole HOP-DDH-11-05.
192.94	195.07	2.13	2.13	100	1.89	89	0R	--	1W	
195.07	196.57	1.50	1.5	100	1.34	89	0R	--	1W	
196.57	198.12	1.55	1.55	100	1.13	73	0R	--	1W	
198.12	201.17	3.05	3.05	100	1.49	49	0R	--	1W	
201.17	204.22	3.05	3.05	100	2.37	78	0R	--	1W	
204.22	207.26	3.04	3.04	100	2.49	82	0R	--	1W	
207.26	210.31	3.05	3.05	100	1.93	63	0R	--	1W	
210.31	211.84	1.53	1.53	100	1.13	74	0R	--	1W	
211.84	214.88	3.04	3.04	100	2.65	87	0R	--	1W	
214.88	216.41	1.53	1.53	100	1.37	90	0R	--	1W	
216.41	219.46	3.05	3.05	100	2.42	79	0R	--	1W	
219.46	222.50	3.04	3.04	100	2.46	81	0R	--	1W	
222.50	225.55	3.05	3.05	100	2.63	86	0R	--	1W	
225.55	228.60	3.05	3.05	100	2.49	82	0R	--	1W	
228.60	231.65	3.05	3.05	100	2.68	88	0R	--	1W	
231.65	234.70	3.05	3.05	100	2.65	87	0R	--	1W	
234.70	237.74	3.04	3.04	100	2.85	94	0R	--	1W	
237.74	240.79	3.05	3.05	100	1.69	55	0R	--	1W	
240.79	243.84	3.05	3.05	100	2.29	75	0R	--	1W	
243.84	246.89	3.05	3.05	100	2.27	74	0R	--	1W	
246.89	249.94	3.05	3.05	100	1.43	47	0R	--	1W	
249.94	252.98	3.04	3.04	100	2.62	86	3R	--	1W	
252.98	254.81	1.83	1.83	100	1.50	82	2R	--	1W	
254.81	256.03	1.22	1.22	100	0.27	22	2R	--	1W	
256.03	256.95	0.92	0.92	100	0.27	29	2R	--	1W	
256.95	259.08	2.13	2.13	100	1.87	88	1R	--	1W	
259.08	262.13	3.05	3.05	100	2.46	81	1R	--	1W	
262.13	265.18	3.05	3.05	100	1.99	65	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
265.18	268.22	3.04	2.84	93	1.05	35	0R	--	1W	
268.22	271.27	3.05	3.05	100	0.74	24	0R	--	1W	
271.27	274.32	3.05	3.05	100	1.82	60	0R	--	1W	
274.32	277.37	3.05	3.05	100	1.93	63	0R	--	1W	
277.37	280.42	3.05	3.05	100	1.25	41	0R	--	1W	
280.42	283.46	3.04	3.04	100	1.78	59	0R	--	1W	
283.46	286.51	3.05	3.05	100	2.06	68	0R	--	1W	
286.51	289.56	3.05	3.05	100	2.21	72	0R	--	1W	
289.56	292.61	3.05	3.05	100	1.91	63	0R	--	1W	
292.61	295.66	3.05	3.05	100	2.51	82	0R	--	1W	
295.66	298.70	3.04	3.04	100	2.65	87	0R	--	1W	
298.70	301.75	3.05	3.05	100	2.10	69	0R	--	1W	
301.75	304.80	3.05	3.05	100	2.83	93	0R	--	1W	
304.80	307.85	3.05	3.05	100	2.43	80	0R	--	1W	
307.85	310.90	3.05	3.05	100	2.08	68	0R	--	1W	
310.90	313.94	3.04	3.04	100	2.37	78	0R	--	1W	
313.94	316.99	3.05	3.05	100	2.16	71	0R	--	1W	
316.99	320.04	3.05	3.05	100	1.80	59	0R	--	1W	
320.04	323.09	3.05	3.05	100	2.10	69	0R	--	1W	
323.09	326.14	3.05	3.05	100	2.03	67	0R	--	1W	
326.14	329.18	3.04	3.04	100	2.53	83	0R	--	1W	
329.18	332.23	3.05	3.05	100	2.81	92	0R	--	1W	
332.23	335.28	3.05	3.05	100	2.60	85	0R	--	1W	
335.28	338.33	3.05	3.05	100	2.65	87	0R	--	1W	
338.33	341.38	3.05	3.05	100	2.67	88	0R	--	1W	
341.38	344.42	3.04	3.04	100	2.14	70	0R	--	1W	
344.42	347.47	3.05	3.05	100	1.24	41	0R	--	1W	
347.47	350.52	3.05	3.05	100	0.80	26	0R	--	1W	
350.52	353.57	3.05	3.05	100	1.78	58	0R	--	1W	
353.57	356.62	3.05	3.05	100	2.21	72	0R	--	1W	
356.62	357.53	0.91	0.91	100	0.74	81	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
357.53	360.58	3.05	3.05	100	1.89	62	0R	--	1W	
360.58	362.71	2.13	2.13	100	1.63	77	0R	--	1W	
362.71	365.76	3.05	3.05	100	2.69	88	0R	--	1W	
365.76	368.81	3.05	3.05	100	2.49	82	0R	--	1W	
368.81	371.86	3.05	3.05	100	2.71	89	0R	--	1W	
371.86	374.90	3.04	3.04	100	2.31	76	0R	--	1W	
374.90	377.95	3.05	3.05	100	1.20	39	0R	--	1W	
377.95	381.00	3.05	3.05	100	2.70	89	0R	--	1W	
381.00	384.05	3.05	3.05	100	3.02	99	0R	--	1W	
384.05	387.10	3.05	3.05	100	2.93	96	0R	--	1W	
387.10	390.14	3.04	3.04	100	2.70	89	0R	--	1W	
390.14	393.19	3.05	3.05	100	2.79	91	0R	--	1W	
393.19	396.24	3.05	3.05	100	2.69	88	0R	--	1W	
396.24	399.29	3.05	3.05	100	2.55	84	0R	--	1W	
399.29	402.34	3.05	3.05	100	2.88	94	0R	--	1W	

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	K288692	☐	15-033	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358114	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358128	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288600	☐	15-030	Core	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288604	☐	15-030	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288615	☐	15-031	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288619	☐	15-031	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288629	☐	15-031	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288643	☐	15-031	Core	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288649	☐	15-032	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288660	☐	15-032	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288665	☐	15-032	Core	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288678	☐	15-032	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288686	☐	15-033	Core	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358111	☐	15-0			☐	☐	☐
21.18	22.21	1.03	FEL, SCH, s	1.03	100	I358103	☐	15-0			☐	☐	☐
22.21	23.87	1.66	SKN, SCH, s	1.66	100	I358104	☐	15-0			☐	☐	☐
23.87	24.65	0.78	MBL, SKN, s	0.78	100	I358105	☐	15-0			☐	☐	☐
26.73	27.73	1.00	MBL, s	1.00	100	I358106	☐	15-0			☐	☐	☐
27.73	28.73	1.00	SCH, MBL, s	1.00	100	i358107	☐	15-0			☐	☐	☐
46.27	49.05	2.78	SCH, SCH, s	2.78	100	I358108	☐	15-0			☐	☐	☐
50.09	51.63	1.54	SCH, SCH, s	1.54	100	I358109	☐	15-0			☐	☐	☐
53.90	54.96	1.06	SCH, SCH, s	1.06	100	I358110	☐	15-0			☐	☐	☐

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
54.96	56.30	1.34	SCH, s	1.34	100	I358112	☐	15-0			☐	☐	☐
63.75	64.75	1.00	SCH, s	1.00	100	I358113	☐	15-0			☐	☐	☐
65.32	67.32	2.00	SCH, SCH, s	2.00	100	I358115	☐	15-0			☐	☐	☐
67.32	69.55	2.23	SCH, s	2.23	100	I358116	☐	15-0			☐	☐	☐
81.89	84.89	3.00	SCH, SCH, s	3.00	100	I358117	☐	15-0			☐	☐	☐
84.89	87.41	2.52	SCH, s	2.52	100	I358118	☐	15-0			☐	☐	☐
87.41	89.10	1.69	SKN, SCH, s	1.69	100	I358119	☐	15-0			☐	☐	☐
89.10	90.10	1.00	SCH, SKN, s	1.00	100	I358120	☐	15-0			☐	☐	☐
91.30	93.37	2.07	SCH, SCH, s	2.07	100	I358121	☐	15-0			☐	☐	☐
93.37	94.76	1.39	SCH, SCH, s	1.39	100	I358122	☐	15-0			☐	☐	☐
120.50	122.00	1.50	s, SCH	1.50	100	I358123	☐	15-0			☐	☐	☐
122.00	123.00	1.00	s, SCH	1.00	100	I358124	☐	15-0			☐	☐	☐
123.00	125.43	2.43	s, SCH	2.43	100	I358125	☐	15-0			☐	☐	☐
125.43	126.93	1.50	s, SCH	1.50	100	I358126	☐	15-0			☐	☐	☐
126.93	128.05	1.12	s, SKN, SCH	1.12	100	I358127	☐	15-0			☐	☐	☐
128.05	129.85	1.80	s, SKN, MBL	1.80	100	I358129	☐	15-0			☐	☐	☐
197.30	198.82	1.52	CSL, HBS	1.52	100	K288598	☐	15-030	Core		☐	☐	☐
198.82	199.50	0.68	CSL	0.68	100	K288599	☐	15-030	Core		☐	☐	☐
199.50	201.17	1.67	CSL	1.67	100	K288601	☐	15-030	Core		☐	☐	☐
201.17	202.41	1.24	CSL	1.24	100	K288602	☐	15-030	Core		☐	☐	☐
202.41	203.41	1.00	CSL	1.00	100	K288603	☐	15-030	Core		☐	☐	☐
203.41	204.41	1.00	CSL	1.00	100	K288605	☐	15-030	Core		☐	☐	☐
247.20	248.20	1.00	HBS	1.00	100	K288606	☐	15-030	Core		☐	☐	☐

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
248.20	251.20	3.00	HBS, MBL	3.00	100	K288607	☐	15-030	Core		☐	☐	☐
251.20	254.20	3.00	MBL	3.00	100	K288608	☐	15-030	Core		☐	☐	☐
254.20	255.85	1.65	MBL	1.65	100	K288609	☐	15-031	Core		☐	☐	☐
255.85	257.75	1.90	MBL	1.90	100	K288610	☐	15-031	Core		☐	☐	☐
257.75	258.80	1.05	MBL	1.05	100	K288611	☐	15-031	Core		☐	☐	☐
258.80	260.06	1.26	MBL	1.26	100	K288612	☐	15-031	Core		☐	☐	☐
260.06	261.06	1.00	HBS	1.00	100	K288613	☐	15-031	Core		☐	☐	☐
261.06	262.86	1.80	HBS	1.80	100	K288614	☐	15-031	Core		☐	☐	☐
262.86	264.86	2.00	HBS	2.00	100	K288616	☐	15-031	Core		☐	☐	☐
264.86	266.45	1.59	HBS	1.59	100	K288617	☐	15-031	Core		☐	☐	☐
266.45	269.45	3.00	HBS	2.79	93	K288618	☐	15-031	Core		☐	☐	☐
269.45	272.37	2.92	HBS	2.92	100	K288620	☐	15-031	Core		☐	☐	☐
272.37	273.51	1.14	HBS	1.14	100	K288621	☐	15-031	Core		☐	☐	☐
273.51	276.51	3.00	HBS, HBS	3.00	100	K288622	☐	15-031	Core		☐	☐	☐
276.51	278.75	2.24	HBS	2.24	100	K288623	☐	15-031	Core		☐	☐	☐
276.51	278.75	2.24	HBS	2.24	100	K288624	☐	15-031	Core		☐	☑	☐
278.75	280.18	1.43	HBS	1.43	100	K288625	☐	15-031	Core		☐	☐	☐
280.18	282.81	2.63	HBS	2.63	100	K288626	☐	15-031	Core		☐	☐	☐
282.81	284.62	1.81	SKN, HBS	1.81	100	K288627	☐	15-031	Core		☐	☐	☐
284.62	286.66	2.04	SKN	2.04	100	K288628	☐	15-031	Core		☐	☐	☐
286.66	287.77	1.11	SKN, HBS	1.11	100	K288630	☐	15-031	Core		☐	☐	☐
287.77	290.50	2.73	HBS, SKN	2.73	100	K288631	☐	15-031	Core		☐	☐	☐
290.50	291.54	1.04	HBS, SKN	1.04	100	K288632	☐	15-031	Core		☐	☐	☐
290.50	291.54	1.04	HBS, SKN	1.04	100	K288633	☐	15-031	Core		☐	☐	☑

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
291.54	294.54	3.00	SKN, HBS	3.00	100	K288634	☐	15-031	Core		☐	☐	☐
294.54	297.54	3.00	SKN	3.00	100	K288635	☐	15-031	Core		☐	☐	☐
297.54	300.54	3.00	SKN	3.00	100	K288636	☐	15-031	Core		☐	☐	☐
300.54	303.54	3.00	SKN	3.00	100	K288637	☐	15-031	Core		☐	☐	☐
303.54	304.97	1.43	SKN	1.41	99	K288638	☐	15-031	Core		☐	☐	☐
304.97	306.23	1.26	SKN	1.26	100	K288639	☐	15-031	Core		☐	☐	☐
306.23	308.47	2.24	SKN	2.24	100	K288640	☐	15-031	Core		☐	☐	☐
308.47	311.18	2.71	CSL, SKN	2.71	100	K288641	☐	15-031	Core		☐	☐	☐
311.18	313.07	1.89	HBS	1.89	100	K288642	☐	15-031	Core		☐	☐	☐
313.07	315.98	2.91	HBS	2.91	100	K288644	☐	15-031	Core		☐	☐	☐
315.98	317.66	1.68	SKN	1.68	100	K288645	☐	15-032	Core		☐	☐	☐
317.66	319.87	2.21	SKN, HBS	2.21	100	K288646	☐	15-032	Core		☐	☐	☐
319.87	321.73	1.86	HBS	1.86	100	K288647	☐	15-032	Core		☐	☐	☐
321.73	323.66	1.93	SKN	1.93	100	K288648	☐	15-032	Core		☐	☐	☐
323.66	326.66	3.00	HBS, SKN	3.00	100	K288650	☐	15-032	Core		☐	☐	☐
326.66	329.66	3.00	HBS	3.00	100	K288651	☐	15-032	Core		☐	☐	☐
329.66	332.66	3.00	HBS	3.00	100	K288652	☐	15-032	Core		☐	☐	☐
332.66	335.54	2.88	HBS	2.88	100	K288653	☐	15-032	Core		☐	☐	☐
335.54	336.66	1.12	HBS, FAP	1.12	100	K288654	☐	15-032	Core		☐	☐	☐
335.54	336.66	1.12	HBS, FAP	1.12	100	K288655	☐	15-032	Core		☐	☑	☐
336.66	337.66	1.00	HBS	1.00	100	K288656	☐	15-032	Core		☐	☐	☐
337.66	339.55	1.89	HBS, SKN	1.89	100	K288657	☐	15-032	Core		☐	☐	☐
339.55	341.49	1.94	HBS	1.94	100	K288658	☐	15-032	Core		☐	☐	☐
341.49	342.63	1.14	HBS, CSL	1.14	100	K288659	☐	15-032	Core		☐	☐	☐

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
342.63	345.32	2.69	SKN	2.69	100	K288661	☐	15-032	Core		☐	☐	☐
345.32	346.32	1.00	HBS, SKN	1.00	100	K288662	☐	15-032	Core		☐	☐	☐
346.32	347.95	1.63	HBS	1.63	100	K288663	☐	15-032	Core		☐	☐	☐
347.95	350.95	3.00	HBS, HBS	3.00	100	K288664	☐	15-032	Core		☐	☐	☐
350.95	354.33	3.38	HBS	3.38	100	K288666	☐	15-032	Core		☐	☐	☐
354.33	355.48	1.15	HBS, HBS	1.12	97	K288667	☐	15-032	Core		☐	☐	☐
355.48	357.04	1.56	HBS	1.56	100	K288668	☐	15-032	Core		☐	☐	☐
357.04	358.47	1.43	HBS	1.43	100	K288669	☐	15-032	Core		☐	☐	☐
358.47	359.81	1.34	HBS	1.34	100	K288670	☐	15-032	Core		☐	☐	☐
359.81	361.86	2.05	HBS	2.05	100	K288671	☐	15-032	Core		☐	☐	☐
359.81	361.86	2.05	HBS	2.05	100	K288672	☐	15-032	Core		☐	☐	☑
361.86	363.16	1.30	HBS	1.30	100	K288673	☐	15-032	Core		☐	☐	☐
363.16	365.99	2.83	HBS	2.83	100	K288674	☐	15-032	Core		☐	☐	☐
365.99	367.61	1.62	HBS	1.62	100	K288675	☐	15-032	Core		☐	☐	☐
367.61	370.02	2.41	HBS	2.41	100	K288676	☐	15-032	Core		☐	☐	☐
370.02	371.04	1.02	SKN, HBS	1.02	100	K288677	☐	15-032	Core		☐	☐	☐
371.04	373.58	2.54	HBS	2.54	100	K288679	☐	15-032	Core		☐	☐	☐
373.58	375.99	2.41	HBS	2.41	100	K288680	☐	15-032	Core		☐	☐	☐
375.99	378.99	3.00	HBS	3.00	100	K288681	☐	15-033	Core		☐	☐	☐
378.99	380.07	1.08	HBS, SKN	1.08	100	K288682	☐	15-033	Core		☐	☐	☐
380.07	382.36	2.29	SKN	2.29	100	K288683	☐	15-033	Core		☐	☐	☐
382.36	383.36	1.00	HBS, SKN	1.00	100	K288684	☐	15-033	Core		☐	☐	☐
383.36	386.36	3.00	HBS	3.00	100	K288685	☐	15-033	Core		☐	☐	☐
386.36	389.36	3.00	HBS	3.00	100	K288687	☐	15-033	Core		☐	☐	☐
389.36	391.87	2.51	HBS	2.51	100	K288688	☐	15-033	Core		☐	☐	☐

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
391.87	393.53	1.66	HBS	1.66	100	K288689	☐	15-033	Core		☐	☐	☐
393.53	395.71	2.18	HBS	2.18	100	K288690	☐	15-033	Core		☐	☐	☐
395.71	396.71	1.00	HBS	1.00	100	K288691	☐	15-033	Core		☐	☐	☐
396.71	398.88	2.17	HBS	2.17	100	K288693	☐	15-033	Core		☐	☐	☐

Rockhaven RESOURCES LTD.

Hopper - Hopper

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397618	6794768	1195	415.14

ZONE: Hopper

SECTION:

HOLE: HOP-15-009

CLAIM:

Contractor: Beaudoin

Drill: 1

Core Size: BTW

Casing Depth: 9.14m,

Drilling Dates: Aug 14 - Aug 17, 2015

Geology Logged By: E. Flavelle

SURVEY			
Depth (m)	Azimuth	Dip	Method
27.43	260.9	-68.4	Ranger
411.48	282.9	-67	Ranger

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	262	262	OVB
0	11.27	11.27	OVB
11.27	15.78	4.51	SCH
15.78	16.42	0.64	FEL
16.42	57.39	40.97	SCH
57.39	62.53	5.14	SKN
62.53	64.53	2	FEL
64.53	70.29	5.76	SCH
70.29	78.2	7.91	SCH
79.53	84.18	4.65	MBL
84.18	94.32	10.14	SCH
94.32	95.25	0.93	FEL
95.25	104.56	9.31	SCH
104.56	111.25	6.69	SCH
111.25	116.03	4.78	SCH
116.03	116.98	0.95	SCH

SAMPLES	
Numbers:	I358007 to I358050, I358101 to I358102, K288694 to K288736
Total:	89
Batch:	5-0, 033, 034
Certificates:	WH15126211, WH15126214

COMMENTS
Please see detailed break out of FAP/FFP dykes from 269.23-296.46 m. Hole was shut down as they needed to pull for the bit, were past the Au-rich target depth and in unfavourable host rock/granodiorite.

116.98	118.6	1.62	SCH
118.6	122.95	4.35	SKN
122.95	133.5	10.55	SCH
133.5	135.35	1.85	SCH
135.35	163.22	27.87	SCH
163.22	169.06	5.84	FEL
169.06	173	3.94	SCH
173	175.86	2.86	SCH
175.86	177.11	1.25	SCH
177.11	177.58	0.47	FEL
177.58	182.86	5.28	SKN
182.86	193.37	10.51	FEL
193.37	210.75	17.38	SCH
210.75	214.68	3.93	SCH
214.68	215.56	0.88	SKN
215.56	217.18	1.62	FEL
217.18	220.97	3.79	SKN
220.97	226.37	5.4	SCH
226.37	242.91	16.54	SCH
242.91	244.48	1.57	SCH
244.48	247.38	2.9	SCH
247.38	255.44	8.06	FEL
255.44	258.16	2.72	FEL
262	262.2	0.2	OVB
262.2	262.86	0.66	FAP
262.86	264.44	1.58	FFP
264.44	264.71	0.27	FAP
264.71	265.15	0.44	CSL
265.15	265.49	0.34	FFP
265.49	265.71	0.22	FFP
265.71	265.85	0.14	HBS
265.85	265.9	0.05	HBS

265.9	268.7	2.8	SKN
268.7	269.23	0.53	CSL
269.23	296.46	27.23	FAP
296.46	297.26	0.8	HBS
297.26	303.63	6.37	BXA
303.63	308.31	4.68	HBS
308.31	308.69	0.38	FAP
308.69	311.18	2.49	HBS
311.18	311.42	0.24	FAP
311.42	311.92	0.5	HBS
311.92	312.28	0.36	HBS
312.28	315.22	2.94	HBS
315.22	315.32	0.1	SKN
315.32	317.24	1.92	HBS
317.24	317.87	0.63	SKN
317.87	319.85	1.98	HBS
319.85	319.91	0.06	SKN
319.91	324.49	4.58	HBS
324.49	325	0.51	SKN
325	325.5	0.5	HBS
325.5	325.74	0.24	SKN
325.74	329.55	3.81	HBS
329.55	330.05	0.5	HBS
330.05	330.32	0.27	SKN
330.32	332.76	2.44	HBS
332.76	333.21	0.45	FAP
333.21	335.93	2.72	HBS
335.93	338.06	2.13	FAP
338.06	338.26	0.2	HBS
338.26	338.36	0.1	SKN
338.36	339.46	1.1	HBS
339.46	339.68	0.22	SKN

339.68	339.96	0.28	HBS
339.96	340.09	0.13	SKN
340.09	341.52	1.43	HBS
341.52	342.25	0.73	SKN
342.25	355.72	13.47	HBS
355.72	357.93	2.21	HBS
357.93	379.09	21.16	HBS
379.09	379.63	0.54	SKN
379.63	380.9	1.27	HBS
380.9	381.3	0.4	SKN
381.3	383.75	2.45	HBS
383.75	384.33	0.58	HBS
384.33	390.14	5.81	HBS
390.14	402.16	12.02	HBS
402.16	403.48	1.32	HBS
403.48	415.14	11.66	GRD

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
262.20	262.86	0.66	FAP	CG	Feldspar andesite porphyry with clasts up to 4x4 mm, minor calcite stringers, and moderate magnetism. (augite, feldspar and biotite clasts).							
						DK	GY	PO	---	--	--	0
262.86	264.44	1.58	FFP	CG	Felsic feldspar porphyry with clasts up to 4x4 mm, moderate quartz-carbonate stringers to veinlets. (feldspar, quartz, minor biotite clasts?)							
						MD	GY	PO	CHL	1I	--	0
						MD	GN					
264.44	264.71	0.27	FAP	CG	Feldspar andesite porphyry with clasts up to 3x3 mm, moderate calcite stringers and moderate magnetism. Trace pyrite blebs.							
						MD	GY					
						DK	GY	PO	---	--	Py	0.01
264.71	265.15	0.44	CSL	FG	Weakly foliated calc-silicate to pyroxene skarn with minor calcite stringers and trace pyrite +/- chalcopyrite blebs.							
						MD	GN					
						DK	GN	FO	CHL	3I	Py	0.01
265.15	265.49	0.34	FFP	CG	Strongly sericitized and silicified, argillic and chlorite altered felsic feldspar porphyry? Minor pyrite and chalcopyrite blebs; residual clasts visible.							
						MD	GN	PO	CHL	3I	Py	0.01
						DK	GN					
265.49	265.71	0.22	FFP	CG	Strongly argillic altered felsic felspar porphyry? All feldsparsnow clay/carbonate with clear quartz visible between clasts. Minor chlorite stringers.							
						MD	WH	PO	ARG	4I	--	0
265.71	265.85	0.14	HBS	FG	Well foliated hornfels biotite schist with trace pyrite cubes (<1 mm), carbonate stringers and quartzite along foliation.							
						MD	GY					
						DK	PU	FO	---	--	Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
265.85	265.90	0.05	HBS	FG	Well foliated, chlorite altered micaceous quartzite.							
						MD	GY					
						LT	GY	FO	CHL	2I	--	0
265.90	268.70	2.80	SKN	FG	Pyroxene-tremolite(?) skarn hosting disseminated, blebby and pervasive pyrrhotite, pyrite and chalcopyrite. Interbedded with minor hornfels biotite schist and hornfels garnet-biotite schist (up to 10 cm). Moderate carbonate/calcite stringers to veinlets.							
						MD	GN	MA			Cp	1
						DK	GN	FO	---	--	Py	3
											Po	5
268.70	269.23	0.53	CSL	FG	Silicified calc-silicate? Clay-rich, faulted bottom contact over last 4 cm of interval.							
						MD	GN		SIL	3I		
						LT	GN	MA	CHL	2I	--	0
270.94	272.34	1.40	FAP	CG	Feldspar andesite porphyry with clasts up to 3x5 mm and common calcite stringers (50 degrees TCA average); moderate magnetism.							
						DK	GY	PO	---	--		
272.34	273.36	1.02	FFP	CG	Felsic feldspar porphyry with clasts up to 2x4 mm, minor chlorite alteration and prevalent calcite stringers-veinlets up to 3 cm wide that often brecciate the dyke.							
						MD	GY	PO	CHL	1I	--	0
						MD	GN					
273.36	275.06	1.70	FAP	CG	Feldspar andesite porphyry with clasts up to 4x4 mm, with increasing chlorite-epidote alteration of feldspars down interval. Moderate carbonate stringers-veinlets (10-30 degrees TCA) and weak-moderate magnetism.							
						DK	GN	PO	CHL	2I	--	0
						DK	GY					
275.06	275.62	0.56	FFP	CG	Chlorite-epidote altered felsic feldspar porphyry with clasts up to 2x2 mm and moderate carbonate stringers (10-30 degrees TCA).							
						MD	GN	PO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
275.62	277.78	2.16	FAP	CG	Feldspar andesite porphyry with clasts up to 3x3 mm and minor quartz-carbonate stringers-veinlets (30-40 degrees TCA common attitude).							
						DK	GY	PO	CHL	1I	--	0
277.78	278.10	0.32	FFP	CG	Trace chlorite altered felsic feldspar porphyry with clasts up to 2x2 mm and moderate quartz-carbonate stringers-veinlets (60-70 degrees TCA).							
						MD	GY	PO	CHL	1I	--	0
						MD	GN					
278.10	280.50	2.40	FAP	CG	Feldspar andesite porphyry with clasts up to 5x5 mm, trace quartz-carbonate stringers and trace disseminated pyrite?							
						DK	GY	PO	---	--	--	0
280.50	282.87	2.37	FFP	CG	Felsic feldspar porphyry with chlorite-epidote altered feldspar clasts up to 4x4 mm and moderate quartz-carbonate stringers to veinlets (20-50 degrees TCA).							
						MD	GN	PO	CHL	2I	--	0
282.87	283.62	0.75	FAP	CG	Feldspar andesite porphyry with minor quartz stringers (~70 degrees TCA average attitude), and clasts up to 4x4 mm.							
						DK	GY	PO	---	--	--	0
283.62	285.12	1.50	FFP	CG	Chlorite altered felsic feldspar porphyry with prominent quartz stringers-veinlets (40-60 degrees TCA).							
						MD	GN	PO	CHL	2I	--	0
						MD	GY					
285.12	285.25	0.13	FAP	CG	Feldspar andesite porphyry with clasts up to 2x2 mm and rare quartz stringers.							
						DK	GY	PO	---	--	--	0
285.25	285.51	0.26	FFP	CG	Trace chlorite altered felsic feldspar porphyry with clasts up to 2x2 mm and minor quartz stringers to veinlets.							
						MD	GY	PO	CHL	1I	--	0
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
285.51	286.29	0.78	FAP	CG	Feldspar andesite porphyrywith clasts up to 2x2 mm and trace quartz stringers.							
						DK	GY	PO	---	--	--	0
286.29	287.72	1.43	FFP	CG	Slightly clay altered/rich felsic feldspar porphyry with weak chlorite alteration. Prominent quartz veinlets to veins (20-30 degrees TCA) and clasts up to 3x3 mm.							
						MD	GN	PO	ARG	1I	--	0
						MD	GY		CHL	2I		
287.72	288.49	0.77	FAP	CG	Feldspar andesite porphyry with minor quartz stringers and slight felsic feldspar porphyry up to 1 cm wide (seems mixed - darker grey than usual FFP).							
						DK	GY	PO	---	--	--	0
288.49	290.15	1.66	FFP	CG	Felsic feldspar porphyry with many feldspar clasts chlorite altered and moderate quartz-stringers to veinlets (45 degrees TCA).							
						MD	GY	PO	CHL	2I	--	0
						MD	GN					
290.15	290.34	0.19	FAP	CG	Feldspar andesite porphyry with minor felsic feldspar porphyry.							
						MD	GY	PO	---	--	--	0
						DK	GY					
290.34	290.48	0.14	FFP	CG	Weakly chlorite altered felsic feldspar porphyry.							
						MD	GN	PO	CHL	1I	--	0
						MD	GY					
290.48	296.07	5.59	FAP	CG	Feldspar andesite porphyry with felsic feldspar porphyry up to 10 cm wide and quartz veining.							
						DK	GY	PO	---	--	--	0
296.07	296.46	0.39	FFP	CG	Chlorite altered felsic feldspar porphyry with clasts up to 3x3 mm.							
						MD	GY	PO	CHL	3I	--	0
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
296.46	297.26	0.80	HBS	FG	Well foliated, silicified and sericitized hornfels biotite schist with minor quartz stringers to veinlets (60 degrees TCA common).							
						MD	GN	FO	SIL	3I	--	0
						MD	GY		SER	2I		
297.26	303.63	6.37	BXA	CG	Quartz vein breccia with clasts comprising strongly sericitized and silicified, subrounded to subangular HBS clasts, and more clay altered regions. Vugs in places. Fine-grained black stringers and possible trace pyrite? Quartz matrix with trace carbonate stringers. Minor interbedded chlorite altered hornfels biotite schist.							
						LT	GY	VU	CHL	2I	--	0
						DK	GY	BX	ARG	2I		
									SER	3I		
									SIL	3I		
303.63	308.31	4.68	HBS	FG	Well foliated, weak to moderate chlorite altered, patchy sericite altered hornfels biotite schist with moderate quartz stringers to veinlets. Trace clay-rich intervals and vuggy stringers. Trace strongly chlorite altered intervals/pyroxene skarn(?) (<5 cm). Quartz veinlets brecciate the HBS and have vugs in few sections.							
						MD	GN	FO	CHL	2I	--	0
						DK	PU	VU	SER	1I		
								BX				
308.31	308.69	0.38	FAP	CG	Felsic feldspar porphyry to feldspar andesite porphyry with moderate chlorite alteration - mixed? (patchy dark grey dyke interfingered as well).							
						MD	GY	PO	CHL	3I	--	0
						MD	GN					
308.69	311.18	2.49	HBS	FG	Well foliated and sometimes folded hornfels biotite schist with minor chlorite alteration and small (<5 cm) interbedded pyroxene-garnet skarn(?).							
						MD	GY	FO	---	--	Py	0.01
						MD	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
311.42	311.92	0.50	HBS	FG	Well foliated hornfels biotite schist with trace to weak silicification and sericitization and regularly occurring quartz stringers to veinlets (40 degrees TCA average).							
						MD	GY	FO	SER	1I	--	0
						MD	PU		SIL	1I		
311.92	312.28	0.36	HBS	FG	Weakly foliated, weakly chlorite altered micaceous quartzite with trace sericite alteration?							
						MD	WH	FO	CHL	2I	--	0
						MD	GN		SER	1I		
312.28	315.22	2.94	HBS	FG	Trace sericite altered hornfels biotite schist with minor interbedded micaceous quartzite to quartzite up to 3 cm wide; trace quartz veinlets.							
						MD	GY					
						DK	PU	FO	SER	1I	--	0
315.22	315.32	0.10	SKN	FG	Pyroxene-pyrrhotite skarn hosting trace disseminated pyrite. Trace chlorite stringers.							
						MD	GN	MA	CHL	1I	Po	10
						DK	GN				Py	0.1
315.32	317.24	1.92	HBS	FG	Well foliated hornfels biotite schist hosting minor interbedded pyroxene-garnet skarn interbeds (up to 10 cm thick) hosting trace blebby pyrite-pyrrhotite.							
						MD	GN	FO	CHL	2I	Po	0.01
						DK	PU				Py	0.01
317.24	317.87	0.63	SKN	FG	Weakly foliated to massive pyroxene-chlorite-pyrrhotite skarn hosting blebby to pervasive pyrrhotite, blebby pyrite and trace chalcopyrite.							
						MD	GN	MA	CHL	4I	Po	10
						DK	GN	FO			Py	1
317.87	319.85	1.98	HBS	FG	Sericite altered hornfels biotite schist with minor interbedded weakly chlorite altered micaceous quartzite up to 20 cm wide.							
						LT	GN					
						DK	PU	FO	CHL	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
319.85	319.91	0.06	SKN	FG	Weakly foliated to massive pyroxene skarn/chlorite-sericite altered micaceous quartzite hosting blebby pyrrhotite, pyrite and trace chalcopyrite.							
						MD	GY	MA	SER	2I	Py	1
						DK	GN	FO	CHL	2I	Po	5
319.91	324.49	4.58	HBS	FG	Sericite altered hornfels biotite schist with interbeds up to 5 cm wide of strong chlorite + epidote alteration (concentrated from 322.37-322.68 m). Minor micaceous quartzite.							
						MD	GN					
						DK	PU	FO	SER	2I	--	0
324.49	325.00	0.51	SKN	FG	Weakly foliated chlorite-pyroxene skarn hosting blebby pyrite, pyrrhotite and chalcopyrite.							
						MD	GN				Py	5
						DK	GN	FO	CHL	4I	Cp	0.1
											Po	5
325.00	325.50	0.50	HBS	FG	Well foliated, moderately sericite altered hornfels biotite schist hosting trace pyrite-pyrrhotite blebs; minor micaceous quartzite.							
						MD	GY	FO	SER	3I	Po	0.01
						DK	PU				Py	0.01
325.50	325.74	0.24	SKN	FG	Well foliated chlorite-pyroxene skarn/chlorite altered hornfels biotite schist? Vuggy in places with trace disseminated pyrrhotite.							
						DK	PU	FO	CHL	4I	Po	0.1
						DK	GN					
325.74	329.55	3.81	HBS	FG	Rubbly and broken, strongly sericite altered hornfels biotite schist with minor interbedded micaceous quartzite, clay-rich/argillic and vuggy seams including clay-rich quartz vein/fault from 328.27-328.32 m.							
						LT	GY	RB	SER	4I	--	0
						DK	PU	FO				
329.55	330.05	0.50	HBS	FG	Strongly chlorite altered hornfels biotite schist to chlorite-pyroxene skarn? Well foliated to massive, hosting trace pyrite-chalcopyrite blebs.							
						MD	GN	FO	CHL	4I	Cp	0.01
						DK	PU	MA			Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
330.05	330.32	0.27	SKN	FG	Diopside-pyroxene-chlorite skarn hosting trace pyrite +/- chalcopyrite blebs and quartz vein at beginning of interval hosting minor blebby pyrite-chalcopyrite.							
						MD	GN	MA	CHL	3I	Py	3
						DK	GN				Cp	0.1
330.32	332.76	2.44	HBS	FG	Well foliated, moderately-strongly sericitized hornfels biotite schist with strong epidote+garnet overprinting from 330.48-330.59 m. Moderate interbedded micaceous quartzite up to 20 cm wide and fault gouge from 331.98-332.03 m.							
						LT	GY					
						DK	PU	FO	SER	3I	--	0
332.76	333.21	0.45	FAP	CG	Strongly magnetic feldspar andesite porphyry with clasts up to 2x2 mm and minor carbonate stringers.							
						DK	GN	PO	---	--	--	0
						DK	GY					
333.21	335.93	2.72	HBS	FG	Moderately to strongly sericitized hornfels biotite schist with minor interbedded micaceous quartzite. Weak, patchy chlorite alteration. Beds near bottom contact offset by carbonate stringers hosting blebby pyrrhotite, pyrite and chalcopyrite.							
						MD	GY	FO	SER	3I	Py	0.1
						DK	PU		CHL	1I	Cp	0.01
											Po	0.1
335.93	338.06	2.13	FAP	CG	Feldspar andesite porphyry to felsic feldspar porphyry (mixed) with prevalent calcite stringers-veinlets (30-40 degrees TCA) which sometimes brecciate the dyke.							
						MD	PU	PO				
						MD	GY	BX	---	--	--	0
338.06	338.26	0.20	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	PU	FO	SER	4I	Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY		CHL	1I		
						MD	WH					
338.26	338.36	0.10	SKN	FG	Diopside-pyroxene skarn hosting blebby pyrite.							
						MD	GN					
						DK	GN	MA	---	--	Py	10
338.36	339.46	1.10	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY	FO	SER	4I	Py	0.01
						MD	PU		CHL	1I		
						MD	WH					
339.46	339.68	0.22	SKN	FG	Pyroxene-chlorite(?)skarn hosting blebby to pervasive pyrrhotite, pyrite and chalcopyrite. Moderate calcite stringers.							
						MD	GN	MA	---	--	Po	5
						DK	GN				Cp	5
											Py	5
339.68	339.96	0.28	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY	FO	CHL	1I	Py	0.01
						MD	WH		SER	4I		
						MD	PU					
339.96	340.09	0.13	SKN	FG	Pyroxene-chlorite(?) skarn hosting blebby to pervasive pyrrhotite, pyrite and chalcopyrite with calcite stringers-veinlets.							
						MD	GN				Po	10

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	---	--	Py	5
											Cp	2
340.09	341.52	1.43	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	WH	FO	CHL	1I	Py	0.01
						MD	PU		SER	4I		
						MD	GY					
341.52	342.25	0.73	SKN	FG	Pyroxene-garnet to diopside-pyrrhotite skarn hosting blebby pyrite, chalcopyrite stringers and pervasive pyrrhotite. Interbedded sericite altered micaceous quartzite (10 cm).							
						MD	GN				Po	30
						MD	BN				Py	5
						DK	GN	MA	---	--	Cp	2
342.25	355.72	13.47	HBS	FG	Sericite altered hornfels biotite schist with minor hornfels garnet-biotite schist from 342.90-343.02 m. Minor interbedded chlorite altered micaceous quartzite and garnets up to 1x1 cm. Trace blebby pyrite and minor carbonate stringers.							
						MD	GY		CHL	1I		
						DK	PU	FO	SER	3I	--	0
355.72	357.93	2.21	HBS	FG	Interbedded chlorite-sericite altered hornfels biotite schist and medium-grained "salt and pepper", weakly magnetic diorite?							
						MD	PU		CHL	3I		
						DK	GN	FO	SER	2I	--	0
357.93	367.68	9.75	HBS	FG	Well foliated hornfels biotite schist with minor interbedded hornfels garnet-biotite schist and garnets up to 0.5x0.5 cm. Trace carbonate stringers and minor interbedded micaceous quartzite to quartzite; trace pyrite blebs (+/- chalcopyrite?).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						DK	PU	FO	CHL	2I	--	0
367.68	368.86	1.18	HBS	FG	Weakly chlorite altered micaceous quartzite.							
						MD	WH	FO	CHL	1I	--	0
									SER	1I		
368.86	370.51	1.65	HBS	FG	Well foliated hornfels biotite schist with rare quartz-carbonate stringers and minor interbedded micaceous quartzite to quartzite.							
						MD	GN	FO	SER	1I	--	0
						DK	PU		CHL	1I		
370.51	371.24	0.73	HBS	FG	Micaceous quartzite hosting trace disseminated pyrite.							
						MD	WH	FO	SER	1I	--	0
371.24	372.64	1.40	HBS	FG	Trace chlorite altered, well foliated hornfels biotite schist with trace pyrite +/- chalcopyrite and minor garnets up to 0.5x0.5 cm.							
						MD	GY		SER	1I		
						DK	PU	FO	CHL	1I	--	0
372.64	373.30	0.66	HBS	FG	Micaceous quartzite.							
						MD	WH	FO	CHL	1I	--	0
									SER	1I		
373.30	373.68	0.38	HBS	FG	Well foliated hornfels biotite schist.							
						MD	GY	FO	CHL	1I	--	0
						DK	PU		SER	1I		
373.68	374.66	0.98	HBS	FG	Micaceous quartzite.							
						MD	WH	---	CHL	1I	--	0
									SER	1I		
374.66	379.09	4.43	HBS	FG	Well foliated, chlorite altered hornfels biotite schist with minor interbedded chlorite altered micaceous schist, minor garnets up to 1x1 cm, trace carbonate stringers and trace disseminated pyrite. Minor epidote overprinting in discrete sections up to 10 cm wide.							
						MD	GN	FO	SER	2I	--	0
						DK	PU		CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
379.09	379.63	0.54	SKN	FG	Diopside skarn hosting minor calcite stringers, trace epidote, pyrite blebs and stringers.							
						DK	GN	MA	---	--	Py	5
379.63	380.90	1.27	HBS	FG	Well foliated, chlorite altered hornfels biotite schist hosting trace carbonate-chlorite-pyrite stringers to veinlets.							
						MD	GN	FO	CHL	1I	Py	0.1
						DK	PU					
380.90	381.30	0.40	SKN	FG	Moderately well foliated, pyroxene-chlorite-pyrrhotite skarn hosting patchy pervasive pyrrhotite and disseminated to blebby pyrite and chalcopyrite.							
						MD	GN	FO	CHL	4I	Cp	0.1
						DK	GN				Py	1
											Po	10
381.30	383.75	2.45	HBS	FG	Well foliated hornfels biotite schist with minor calcite stringers and trace disseminated pyrite.							
						MD	GN	FO	CHL	1I	--	0
						DK	PU					
383.75	384.33	0.58	HBS	FG	Sericite-chlorite altered micaceous quartzite hosting minor calcite stringers with trace disseminated pyrite.							
						LT	GN	FO	CHL	2I	--	0
									SER	3I		
384.33	390.14	5.81	HBS	FG	Well foliated hornfels biotite schist with trace blebby pyrite on fractures, minor interbedded hornfels garnet-biotite schist? - garnets up to 1x1 cm.							
						MD	GY					
						DK	PU	FO	---	--	Py	0.01
390.14	402.16	12.02	HBS	FG	Moderately well foliated, coarser grained hornfels biotite schist? "salt and pepper" colouring (+chlorite alteration), weakly magnetic hosting trace disseminated pyrite and trace hematite on fractures.							
						MD	GN	FO	CHL	2I	--	0
						LT	GY					
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
402.16	403.48	1.32	HBS	FG	Interfingered contact between sericite-chlorite altered hornfels biotite schist and argillic-propylitic altered granodiorite.							
						LT	GN	---	CHL	3I	--	0
									SER	3I		
403.48	415.14	11.66	GRD	CG	Weakly propylitic altered granodiorite. Rubbly and broken. Trace carbonate stringers and trace disseminated-blebby pyrite.							
						DK	GN	RB	PRO	1I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
262.20	262.86	0.66	FAP	CG	Feldspar andesite porphyry with clasts up to 4x4 mm, minor calcite stringers, and moderate magnetism. (augite, feldspar and biotite clasts).							
						DK	GY	PO	---	--	--	0
262.86	264.44	1.58	FFP	CG	Felsic feldspar porphyry with clasts up to 4x4 mm, moderate quartz-carbonate stringers to veinlets. (feldspar, quartz, minor biotite clasts?)							
						MD	GY	PO	CHL	1I	--	0
						MD	GN					
264.44	264.71	0.27	FAP	CG	Feldspar andesite porphyry with clasts up to 3x3 mm, moderate calcite stringers and moderate magnetism. Trace pyrite blebs.							
						DK	GY	PO	---	--	Py	0.01
						MD	GY					
264.71	265.15	0.44	CSL	FG	Weakly foliated calc-silicate to pyroxene skarn with minor calcite stringers and trace pyrite +/- chalcopyrite blebs.							
						MD	GN	FO	CHL	3I	Py	0.01
						DK	GN					
265.15	265.49	0.34	FFP	CG	Strongly sericitized and silicified, argillic and chlorite altered felsic feldspar porphyry? Minor pyrite and chalcopyrite blebs; residual clasts visible.							
						MD	GN	PO	ARG	2I	Py	1
						DK	GN		CHL	2I	Cp	0.1
									SER	4I		
265.49	265.71	0.22	FFP	CG	Strongly argillic altered felsic felspar porphyry? All feldsparsnow clay/carbonate with clear quartz visible between clasts. Minor chlorite stringers.							
						MD	WH	PO	ARG	4I	--	0
265.71	265.85	0.14	HBS	FG	Well foliated hornfels biotite schist with trace pyrite cubes (<1 mm), carbonate stringers and quartzite along foliation.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	FO	---	--	Py	0.01
265.85	265.90	0.05	HBS	FG	Well foliated, chlorite altered micaceous quartzite.							
						LT	GY					
						MD	GY	FO	CHL	2I	--	0
265.90	268.70	2.80	SKN	FG	Pyroxene-tremolite(?) skarn hosting disseminated, blebby and pervasive pyrrhotite, pyrite and chalcopyrite. Interbedded with minor hornfels biotite schist and hornfels garnet-biotite schist (up to 10 cm). Moderate carbonate/calcite stringers to veinlets.							
						DK	GN	MA	---	--	Cp	1
											Py	3
						MD	GN	FO			Po	5
268.70	269.23	0.53	CSL	FG	Silicified calc-silicate? Clay-rich, faulted bottom contact over last 4 cm of interval.							
						MD	GN	MA	CHL	2I	--	0
						LT	GN		SIL	3I		
269.23	296.46	27.23	FAP	CG	Alternating feldspar andesite porphyry and felsic feldspar porphyry dykes. Only appearance of augite clasts in FFP is at contact with FAP. Did FAP (young) intrude FFP (old) and deposit augite in FFP?							
						MD	GY					
						MD	GN					
						DK	GY	PO	CHL	1I	--	0
296.46	297.26	0.80	HBS	FG	Well foliated, silicified and sericitized hornfels biotite schist with minor quartz stringers to veinlets (60 degrees TCA common).							
						MD	GY		SIL	3I		
						MD	GN	FO	SER	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
297.26	303.63	6.37	BXA	CG	Quartz vein breccia with clasts comprising strongly sericitized and silicified, subrounded to subangular HBS clasts, and more clay altered regions. Vugs in places. Fine-grained black stringers and possible trace pyrite? Quartz matrix with trace carbonate stringers. Minor interbedded chlorite altered hornfels biotite schist.							
									SER	3I		
									CHL	2I		
						LT	GY	BX	ARG	2I		
						DK	GY	VU	SIL	3I	--	0
303.63	308.31	4.68	HBS	FG	Well foliated, weak to moderate chlorite altered, patchy sericite altered hornfels biotite schist with moderate quartz stringers to veinlets. Trace clay-rich intervals and vuggy stringers. Trace strongly chlorite altered intervals/pyroxene skarn(?) (<5 cm). Quartz veinlets brecciate the HBS and have vugs in few sections.							
						MD	GN	BX	CHL	2I		
						DK	PU	VU	SER	1I	--	0
								FO				
308.31	308.69	0.38	FAP	CG	Felsic feldspar porphyry to feldspar andesite porphyry with moderate chlorite alteration - mixed? (patchy dark grey dyke interfingered as well).							
						MD	GY	PO	CHL	3I	--	0
						MD	GN					
308.69	311.18	2.49	HBS	FG	Well foliated and sometimes folded hornfels biotite schist with minor chlorite alteration and small (<5 cm) interbedded pyroxene-garnet skarn(?). Quartz veinlets to veins occur frequently with once coarse grained vein hosting trace disseminated pyrite.							
						MD	GY					
						MD	PU					
						DK	PU	FO	---	--	Py	0.01
311.18	311.42	0.24	FAP	CG	Felsic feldspar porphyry to feldspar andesite porphyry (mixed) with trace chlorite alteration and moderate quartz stringers-veinlets.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
									CHL	1I	--	0
311.42	311.92	0.50	HBS	FG	Well foliated hornfels biotite schist with trace to weak silicification and sericitization and regularly occurring quartz stringers to veinlets (40 degrees TCA average).							
						MD	GY		SER	1I		
						MD	PU	FO	SIL	1I	--	0
311.92	312.28	0.36	HBS	FG	Weakly foliated, weakly chlorite altered micaceous quartzite with trace sericite alteration?							
						MD	GN	FO	CHL	2I	--	0
						MD	WH		SER	1I		
312.28	315.22	2.94	HBS	FG	Trace sericite altered hornfels biotite schist with minor interbedded micaceous quartzite to quartzite up to 3 cm wide; trace quartz veinlets.							
						MD	GY					
						DK	PU	FO	SER	1I	--	0
315.22	315.32	0.10	SKN	FG	Pyroxene-pyrrhotite skarn hosting trace disseminated pyrite. Trace chlorite stringers.							
						MD	GN				Py	0.1
						DK	GN	MA	CHL	1I	Po	10
315.32	317.24	1.92	HBS	FG	Well foliated hornfels biotite schist hosting minor interbedded pyroxene-garnet skarn interbeds (up to 10 cm thick) hosting trace blebby pyrite-pyrrhotite.							
						MD	GN				Po	0.01
						DK	PU	FO	CHL	2I	Py	0.01
317.24	317.87	0.63	SKN	FG	Weakly foliated to massive pyroxene-chlorite-pyrrhotite skarn hosting blebby to pervasive pyrrhotite, blebby pyrite and trace chalcopyrite.							
						MD	GN	FO			Po	10
						DK	GN	MA	CHL	4I	Py	1
317.87	319.85	1.98	HBS	FG	Sericite altered hornfels biotite schist with minor interbedded weakly chlorite altered micaceous quartzite up to 20 cm wide.							
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	FO	CHL	1I	--	0
319.85	319.91	0.06	SKN	FG	Weakly foliated to massive pyroxene skarn/chlorite-sericite altered micaceous quartzite hosting blebby pyrrhotite, pyrite and trace chalcopyrite.							
						MD	GY	FO	SER	2I	Py	1
						DK	GN	MA	CHL	2I	Po	5
319.91	324.49	4.58	HBS	FG	Sericite altered hornfels biotite schist with interbeds up to 5 cm wide of strong chlorite + epidote alteration (concentrated from 322.37-322.68 m). Minor micaceous quartzite.							
						MD	GN	FO	SER	2I	--	0
						DK	PU					
324.49	325.00	0.51	SKN	FG	Weakly foliated chlorite-pyroxene skarn hosting blebby pyrite, pyrrhotite and chalcopyrite.							
						MD	GN	FO	CHL	4I	Po	5
						DK	GN				Cp	0.1
											Py	5
325.00	325.50	0.50	HBS	FG	Well foliated, moderately sericite altered hornfels biotite schist hosting trace pyrite-pyrrhotite blebs; minor micaceous quartzite.							
						DK	PU				Py	0.01
						MD	GY	FO	SER	3I	Po	0.01
325.50	325.74	0.24	SKN	FG	Well foliated chlorite-pyroxene skarn/chlorite altered hornfels biotite schist? Vuggy in places with trace disseminated pyrrhotite.							
						DK	PU					
						DK	GN	FO	CHL	4I	Po	0.1
325.74	329.55	3.81	HBS	FG	Rubbly and broken, strongly sericite altered hornfels biotite schist with minor interbedded micaceous quartzite, clay-rich/argillic and vuggy seams including clay-rich quartz vein/fault from 328.27-328.32 m.							
						DK	PU	RB				
						LT	GY	FO	SER	4I	--	0
329.55	330.05	0.50	HBS	FG	Strongly chlorite altered hornfels biotite schist to chlorite-pyroxene skarn? Well foliated to massive, hosting trace pyrite-chalcopyrite blebs.							
						MD	GN	MA	CHL	4I	Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU	FO			Cp	0.01
330.05	330.32	0.27	SKN	FG	Diopside-pyroxene-chlorite skarn hosting trace pyrite +/- chalcopyrite blebs and quartz vein at beginning of interval hosting minor blebby pyrite-chalcopyrite.							
						DK	GN	MA	CHL	3I	Cp	0.1
						MD	GN				Py	3
330.32	332.76	2.44	HBS	FG	Well foliated, moderately-strongly sericitized hornfels biotite schist with strong epidote+garnet overprinting from 330.48-330.59 m. Moderate interbedded micaceous quartzite up to 20 cm wide and fault gouge from 331.98-332.03 m.							
						DK	PU	FO	SER	3I	--	0
						LT	GY					
332.76	333.21	0.45	FAP	CG	Strongly magnetic feldspar andesite porphyry with clasts up to 2x2 mm and minor carbonate stringers.							
						DK	GY					
						DK	GN	PO	---	--	--	0
333.21	335.93	2.72	HBS	FG	Moderately to strongly sericitized hornfels biotite schist with minor interbedded micaceous quartzite. Weak, patchy chlorite alteration. Beds near bottom contact offset by carbonate stringers hosting blebby pyrrhotite, pyrite and chalcopyrite.							
						MD	GY		CHL	1I	Cp	0.01
											Po	0.1
						DK	PU	FO	SER	3I	Py	0.1
335.93	338.06	2.13	FAP	CG	Feldspar andesite porphyry to felsic feldspar porphyry (mixed) with prevalent calcite stringers-veinlets (30-40 degrees TCA) which sometimes brecciate the dyke.							
						MD	PU	PO	---	--	--	0
						MD	GY	BX				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
338.06	338.26	0.20	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY	FO	CHL	1I	Py	0.01
						MD	PU		SER	4I		
						MD	WH					
338.26	338.36	0.10	SKN	FG	Diopside-pyroxene skarn hosting blebby pyrite.							
						DK	GN					
						MD	GN	MA	---	--	Py	10
338.36	339.46	1.10	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY	FO	CHL	1I	Py	0.01
						MD	PU					
						MD	WH		SER	4I		
339.46	339.68	0.22	SKN	FG	Pyroxene-chlorite(?)skarn hosting blebby to pervasive pyrrhotite, pyrite and chalcopyrite. Moderate calcite stringers.							
											Cp	5
						DK	GN				Py	5
						MD	GN	MA	---	--	Po	5
339.68	339.96	0.28	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY		CHL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	WH					
						MD	PU	FO	SER	4I	Py	0.01
339.96	340.09	0.13	SKN	FG	Pyroxene-chlorite(?) skarn hosting blebby to pervasive pyrrhotite, pyrite and chalcopyrite with calcite stringers-veinlets.							
											Py	5
						DK	GN				Po	10
						MD	GN	MA	---	--	Cp	2
340.09	341.52	1.43	HBS	FG	Moderately to strongly sericitized, well foliated hornfels biotite schist cut by prevalent calcite stringers - some coarser grained, less well foliated purple hornfels biotite schist. Minor chlorite altered micaceous quartzite beds up to 20 cm thick and calcite veinlets hosting trace pyrite blebs.							
						MD	GY					
						MD	PU		SER	4I		
						MD	WH	FO	CHL	1I	Py	0.01
341.52	342.25	0.73	SKN	FG	Pyroxene-garnet to diopside-pyrrhotite skarn hosting blebby pyrite, chalcopyrite stringers and pervasive pyrrhotite. Interbedded sericite altered micaceous quartzite (10 cm).							
						MD	BN				Py	5
						DK	GN				Cp	2
						MD	GN	MA	---	--	Po	30
342.25	355.72	13.47	HBS	FG	Sericite altered hornfels biotite schist with minor hornfels garnet-biotite schist from 342.90-343.02 m. Minor interbedded chlorite altered micaceous quartzite and garnets up to 1x1 cm. Trace blebby pyrite and minor carbonate stringers.							
						MD	GY		SER	3I		
						DK	PU	FO	CHL	1I	--	0
355.72	357.93	2.21	HBS	FG	Interbedded chlorite-sericite altered hornfels biotite schist and medium-grained "salt and pepper", weakly magnetic diorite?							
						MD	PU		CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	FO	SER	2I	--	0
357.93	379.09	21.16	HBS	FG	Interbedded weakly chlorite-sericite altered hornfels biotite schist and micaceous quartzite.							
						MD	GN	FO	SER	1I	--	0
						DK	PU		CHL	1I		
						MD	WH					
379.09	379.63	0.54	SKN	FG	Diopside skarn hosting minor calcite stringers, trace epidote, pyrite blebs and stringers.							
						DK	GN	MA	---	--	Py	5
379.63	380.90	1.27	HBS	FG	Well foliated, chlorite altered hornfels biotite schist hosting trace carbonate-chlorite-pyrite stringers to veinlets.							
						DK	PU	FO	CHL	1I	Py	0.1
						MD	GN					
380.90	381.30	0.40	SKN	FG	Moderately well foliated, pyroxene-chlorite-pyrrhotite skarn hosting patchy pervasive pyrrhotite and disseminated to blebby pyrite and chalcopyrite.							
											Po	10
						MD	GN				Py	1
						DK	GN	FO	CHL	4I	Cp	0.1
381.30	383.75	2.45	HBS	FG	Well foliated hornfels biotite schist with minor calcite stringers and trace disseminated pyrite.							
						MD	GN					
						DK	PU	FO	CHL	1I	--	0
383.75	384.33	0.58	HBS	FG	Sericite-chlorite altered micaceous quartzite hosting minor calcite stringers with trace disseminated pyrite.							
									SER	3I		
						LT	GN	FO	CHL	2I	--	0
384.33	390.14	5.81	HBS	FG	Well foliated hornfels biotite schist with trace blebby pyrite on fractures, minor interbedded hornfels garnet-biotite schist? - garnets up to 1x1 cm.							
						MD	GY					
						DK	PU	FO	---	--	Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
390.14	402.16	12.02	HBS	FG	Moderately well foliated, coarser grained hornfels biotite schist? "salt and pepper" colouring (+chlorite alteration), weakly magnetic hosting trace disseminated pyrite and trace hematite on fractures.							
						MD	GN					
						LT	GY	FO	CHL	2I	--	0
						DK	GY					
402.16	403.48	1.32	HBS	FG	Interfingered contact between sericite-chlorite altered hornfels biotite schist and argillic-propylitic altered granodiorite.							
									SER	3I		
						LT	GN	---	CHL	3I	--	0
403.48	415.14	11.66	GRD	CG	Weakly propylitic altered granodiorite. Rubbly and broken. Trace carbonate stringers and trace disseminated-blebby pyrite.							
						DK	GY	RB	PRO	1I	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	262.00	262.00	0	0	0.00	0	--	--	--	re-drill of HOP-DDH-11-04 (see log)
262.00	265.18	3.18	3.02	95	2.86	90	1R	--	1W	
265.18	268.22	3.04	3.04	100	3.04	100	3R	--	1W	
268.22	271.27	3.05	3.05	100	2.73	90	2R	--	1W	
271.27	274.32	3.05	3.05	100	2.75	90	1R	--	1W	
274.32	277.37	3.05	3.05	100	2.76	90	1R	--	1W	
277.37	280.42	3.05	3.05	100	2.55	84	1R	--	1W	
280.42	283.46	3.04	3.04	100	2.58	85	1R	--	1W	
283.46	286.51	3.05	3.05	100	1.97	65	0R	--	1W	
286.51	289.56	3.05	3.05	100	1.53	50	0R	--	1W	
289.56	292.61	3.05	3.05	100	1.94	64	0R	--	1W	
292.61	295.66	3.05	3.05	100	1.87	61	0R	--	1W	
295.66	297.18	1.52	1.52	100	0.61	40	0R	--	1W	
297.18	300.23	3.05	3.05	100	1.79	59	0R	--	1W	
300.23	301.75	1.52	1.52	100	1.13	74	0R	--	1W	
301.75	304.80	3.05	3.05	100	1.82	60	0R	--	1W	
304.80	307.85	3.05	3.05	100	1.82	60	0R	--	1W	
307.85	310.90	3.05	3.05	100	1.91	63	0R	--	1W	
310.90	313.94	3.04	3.04	100	2.54	84	0R	--	1W	
313.94	316.99	3.05	3.05	100	2.51	82	0R	--	1W	
316.99	320.04	3.05	3.05	100	2.43	80	0R	--	1W	
320.04	323.09	3.05	3.05	100	2.32	76	0R	--	1W	
323.09	326.14	3.05	3.05	100	2.11	69	0R	--	1W	
326.14	329.18	3.04	3.04	100	1.46	48	2R	--	1W	
329.18	331.62	2.44	2.32	95	0.90	37	0R	--	1W	
331.62	334.67	3.05	3.05	100	0.77	25	0R	--	1W	
334.67	337.72	3.05	3.05	100	1.76	58	0R	--	1W	
337.72	340.77	3.05	3.05	100	1.69	55	1R	--	1W	
340.77	343.81	3.04	3.04	100	1.46	48	0R	--	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
343.81	344.42	0.61	0.61	100	0.10	16	0R	--	1W	
344.42	347.47	3.05	3.05	100	1.04	34	0R	--	1W	
347.47	350.52	3.05	3.05	100	1.61	53	0R	--	1W	
350.52	353.57	3.05	3.05	100	2.10	69	0R	--	1W	
353.57	356.62	3.05	3.05	100	1.98	65	0R	--	1W	
356.62	359.66	3.04	3.04	100	2.61	86	0R	--	1W	
359.66	362.71	3.05	3.05	100	2.45	80	0R	--	1W	
362.71	365.76	3.05	3.05	100	2.35	77	0R	--	1W	
365.76	368.81	3.05	3.05	100	1.43	47	0R	--	1W	
368.81	371.86	3.05	3.05	100	2.25	74	0R	--	1W	
371.86	374.90	3.04	3.04	100	2.66	88	0R	--	1W	
374.90	377.95	3.05	3.05	100	2.41	79	0R	--	1W	
377.95	381.00	3.05	3.05	100	2.06	68	0R	--	1W	
381.00	384.05	3.05	3.05	100	2.25	74	0R	--	1W	
384.05	387.10	3.05	3.05	100	2.18	71	0R	--	1W	
387.10	390.14	3.04	3.04	100	2.48	82	0R	--	1W	
390.14	393.19	3.05	3.05	100	2.46	81	0R	--	1W	
393.19	396.24	3.05	3.05	100	2.66	87	0R	--	1W	
396.24	399.29	3.05	3.05	100	2.65	87	0R	--	1W	
399.29	402.34	3.05	3.05	100	2.48	81	0R	--	1W	
402.34	405.38	3.04	3.04	100	1.97	65	0R	--	1W	
405.38	407.82	2.44	2.39	98	1.41	58	0R	--	1W	
407.82	410.87	3.05	2.5	82	0.39	13	0R	--	1W	
410.87	413.61	2.74	2.56	93	1.23	45	0R	--	1W	
413.61	415.14	1.53	1.12	73	0.15	10	0R	--	1W	

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	I358011	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358029	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358035	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358040	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358047	☐	15-0			☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288707	☐	15-033	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288711	☐	15-033	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288721	☐	15-034	Core	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	K288728	☐	15-034	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	I358007	☐	15-0			☐	☐	☐
55.78	57.28	1.50	SCH, OVB	0.00	0	I358008	☐	15-0			☐	☐	☐
57.39	58.39	1.00	SKN, SCH, OVB	0.00	0	I358009	☐	15-0			☐	☐	☐
58.39	59.39	1.00	SKN, OVB	0.00	0	I358010	☐	15-0			☐	☐	☐
59.39	61.39	2.00	SKN, OVB	0.00	0	I358012	☐	15-0			☐	☐	☐
61.39	62.53	1.14	SKN, OVB	0.00	0	I358013	☐	15-0			☐	☐	☐
62.53	64.53	2.00	FEL, SKN, OVB	0.00	0	I358014	☐	15-0			☐	☐	☐
64.53	67.43	2.90	SCH, FEL, OVB	0.00	0	I358015	☐	15-0			☐	☐	☐
67.43	70.29	2.86	SCH, OVB	0.00	0	I358016	☐	15-0			☐	☐	☐
70.29	71.79	1.50	SCH, SCH, OVB	0.00	0	I358017	☐	15-0			☐	☐	☐

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
94.32	95.25	0.93	FEL, OVB, SCH	0.00	0	I358018	☐	15-0			☐	☐	☐
102.00	103.00	1.00	SCH, OVB	0.00	0	I358019	☐	15-0			☐	☐	☐
103.30	104.30	1.00	SCH, OVB	0.00	0	I358020	☐	15-0			☐	☐	☐
109.50	110.50	1.00	SCH, OVB	0.00	0	I358021	☐	15-0			☐	☐	☐
118.60	120.60	2.00	SCH, SKN, OVB	0.00	0	I358022	☐	15-0			☐	☐	☐
120.60	122.95	2.35	SKN, OVB	0.00	0	I358023	☐	15-0			☐	☐	☐
126.58	128.00	1.42	SCH, OVB	0.00	0	I358024	☐	15-0			☐	☐	☐
128.27	129.89	1.62	SCH, OVB	0.00	0	I358025	☐	15-0			☐	☐	☐
133.50	135.35	1.85	SCH, SCH, OVB	0.00	0	I358026	☐	15-0			☐	☐	☐
137.58	139.44	1.86	SCH, OVB	0.00	0	I358027	☐	15-0			☐	☐	☐
139.80	141.46	1.66	SCH, OVB	0.00	0	I358028	☐	15-0			☐	☐	☐
145.29	146.24	0.95	SCH, OVB	0.00	0	I358030	☐	15-0			☐	☐	☐
159.98	161.78	1.80	SCH, OVB	0.00	0	I358031	☐	15-0			☐	☐	☐
171.60	172.60	1.00	SCH, OVB	0.00	0	I358032	☐	15-0			☐	☐	☐
173.00	174.86	1.86	SCH, SCH, OVB	0.00	0	I358033	☐	15-0			☐	☐	☐
174.86	175.86	1.00	SCH, OVB	0.00	0	I358034	☐	15-0			☐	☐	☐
175.86	177.58	1.72	SCH, SCH, OVB	0.00	0	I358036	☐	15-0			☐	☐	☐

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
177.58	180.06	2.48	SKN, FEL, OVB	0.00	0	I358037	☐	15-0			☐	☐	☐
180.06	181.91	1.85	SKN, OVB	0.00	0	I358038	☐	15-0			☐	☐	☐
181.91	182.87	0.96	SKN, OVB	0.00	0	I358039	☐	15-0			☐	☐	☐
182.87	183.37	0.50	FEL, OVB	0.00	0	I358041	☐	15-0			☐	☐	☐
193.37	196.37	3.00	SCH, FEL, OVB	0.00	0	I358042	☐	15-0			☐	☐	☐
214.68	215.56	0.88	SKN, SCH, OVB	0.00	0	I358043	☐	15-0			☐	☐	☐
215.56	217.18	1.62	FEL, SKN, OVB	0.00	0	I358044	☐	15-0			☐	☐	☐
217.18	219.30	2.12	SKN, FEL, OVB	0.00	0	I358045	☐	15-0			☐	☐	☐
219.30	220.97	1.67	SKN, OVB	0.00	0	I358046	☐	15-0			☐	☐	☐
220.97	222.54	1.57	SCH, SKN, OVB	0.00	0	I358048	☐	15-0			☐	☐	☐
222.54	223.48	0.94	SCH, OVB	0.00	0	I358049	☐	15-0			☐	☐	☐
223.48	226.37	2.89	SCH, OVB	0.00	0	I358050	☐	15-0			☐	☐	☐
250.35	252.60	2.25	FEL, OVB	0.00	0	I358101	☐	15-0			☐	☐	☐
252.60	255.44	2.84	FEL, OVB	0.00	0	I358102	☐	15-0			☐	☐	☐
264.70	266.28	1.58	FAP	1.58	100	K288694	☐	15-033	Core		☐	☐	☐
266.28	267.51	1.23	SKN	1.23	100	K288695	☐	15-033	Core		☐	☐	☐
267.51	268.70	1.19	SKN	1.19	100	K288696	☐	15-033	Core		☐	☐	☐

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
268.70	269.70	1.00	CSL, SKN	1.00	100	K288697	☐	15-033	Core		☐	☐	☐
296.26	297.26	1.00	FAP	1.00	100	K288698	☐	15-033	Core		☐	☐	☐
297.26	300.26	3.00	HBS, BXA	3.00	100	K288699	☐	15-033	Core		☐	☐	☐
300.26	303.26	3.00	BXA	3.00	100	K288700	☐	15-033	Core		☐	☐	☐
303.26	306.26	3.00	BXA	3.00	100	K288701	☐	15-033	Core		☐	☐	☐
306.26	307.26	1.00	HBS	1.00	100	K288702	☐	15-033	Core		☐	☐	☐
306.26	307.26	1.00	HBS	1.00	100	K288703	☐	15-033	Core		☐	☑	☐
307.26	308.69	1.43	HBS	1.43	100	K288704	☐	15-033	Core		☐	☐	☐
308.69	310.90	2.21	FAP, HBS	2.21	100	K288705	☐	15-033	Core		☐	☐	☐
310.90	311.90	1.00	HBS	1.00	100	K288706	☐	15-033	Core		☐	☐	☐
311.90	315.22	3.32	HBS	3.32	100	K288708	☐	15-033	Core		☐	☐	☐
315.22	316.87	1.65	SKN, HBS	1.65	100	K288709	☐	15-033	Core		☐	☐	☐
316.87	317.87	1.00	HBS	1.00	100	K288710	☐	15-033	Core		☐	☐	☐
317.87	321.00	3.13	SKN, HBS	3.13	100	K288712	☐	15-033	Core		☐	☐	☐
321.00	324.40	3.40	HBS	3.40	100	K288713	☐	15-033	Core		☐	☐	☐
324.40	325.40	1.00	HBS	1.00	100	K288714	☐	15-033	Core		☐	☐	☐
325.40	328.27	2.87	HBS	2.87	100	K288715	☐	15-033	Core		☐	☐	☐
325.40	328.27	2.87	HBS	2.87	100	K288716	☐	15-033	Core		☐	☐	☑
328.27	329.55	1.28	HBS	1.10	86	K288717	☐	15-034	Core		☐	☐	☐
329.55	330.59	1.04	HBS, HBS	1.04	100	K288718	☐	15-034	Core		☐	☐	☐
330.59	331.59	1.00	HBS	1.00	100	K288719	☐	15-034	Core		☐	☐	☐
331.59	332.59	1.00	HBS	1.00	100	K288720	☐	15-034	Core		☐	☐	☐
332.59	335.59	3.00	HBS	3.00	100	K288722	☐	15-034	Core		☐	☐	☐
335.59	338.25	2.66	HBS	2.66	100	K288723	☐	15-034	Core		☐	☐	☐
338.25	339.33	1.08	HBS	1.08	100	K288724	☐	15-034	Core		☐	☐	☐

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
339.33	340.33	1.00	HBS	1.00	100	K288725	☐	15-034	Core		☐	☐	☐
340.33	341.52	1.19	HBS	1.19	100	K288726	☐	15-034	Core		☐	☐	☐
341.52	342.52	1.00	SKN, HBS	1.00	100	K288727	☐	15-034	Core		☐	☐	☐
342.52	343.63	1.11	HBS	1.11	100	K288729	☐	15-034	Core		☐	☐	☐
377.63	378.63	1.00	HBS	1.00	100	K288730	☐	15-034	Core		☐	☐	☐
377.63	378.63	1.00	HBS	1.00	100	K288731	☐	15-034	Core		☐	☑	☐
378.63	379.63	1.00	HBS	1.00	100	K288732	☐	15-034	Core		☐	☐	☐
379.63	380.55	0.92	SKN, HBS	0.92	100	K288733	☐	15-034	Core		☐	☐	☐
380.55	381.55	1.00	HBS	1.00	100	K288734	☐	15-034	Core		☐	☐	☐
380.55	381.55	1.00	HBS	1.00	100	K288735	☐	15-034	Core		☐	☐	☑
381.55	382.55	1.00	HBS	1.00	100	K288736	☐	15-034	Core		☐	☐	☐

APPENDIX VI

PRELIMINARY METALLUGRICAL TESTWORK BY BLUE COAST RESEARCH

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Report 140468

August 1, 2014

Petrographic Report on 8 Rock Samples from the Hopper Project

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1. Introduction

Ms. Heather Burrell of Archer, Cathro & Associates submitted 8 rock samples to Vancouver Petrographics for petrographic analysis. The client did not indicate where the samples were collected from.

The attached “Petrographic Descriptions” section provides the following for each sample: (i) the petrographic rock classification; (ii) a brief microstructural description; (iii) a table with the modal percentage and average grain size for each mineral; and (iv) a detailed description of the minerals in decreasing order of abundance.

The samples (see Table 1) were cut and prepared as ~20 × 40 mm polished thin sections (see the image on the first page of each description).

The petrographic classification follows the recommendations of Gillespie et al. (2011), and Gillespie and Styles (1999).

The microstructural terminology used in this report follows the recommendations and definitions of Vernon (2004), Passchier and Trouw (1998), and Ramdohr (1980).

The magnetic susceptibility (see Table 1) was measured with a hand-held KT Magnetic Susceptibility Meter, and is intended to provide only an approximate estimate of the relative content of magnetic minerals within each sample.

2. Results

The samples can be subdivided into three suites.

The **first** suite (Samples **1A** and **1B**) consists of medium-grained granodiorite. Subhedral plagioclase prevails over interstitial quartz and K-feldspar; lesser biotite and amphibole; and in Sample 2, some relicts of clinopyroxene. The granodiorite hosts accessory amounts of magnetite and is subtly to weakly altered by chlorite, epidote, actinolite, and white mica/clay. In Sample 1, the granodiorite is crosscut by a quartz-plagioclase-phyric quartz-monzonite. The plagioclase, quartz, hornblende, and pseudomorphs after biotite are immersed within a fine-grained groundmass dominated by K-feldspar. The hornblende is less altered and more abundant than the biotite within the microquartz-monzonite.

The **second** suite (Samples **2A**, **2B**, and **2C**) is a **gabbro**. The three samples are made up of slightly iso-oriented euhedral crystals of plagioclase, which define an intergranular microstructure with the interstitial spaces occupied by varying amounts of biotite and amphibole together with magnetite. The three samples host uralitic relicts of clinopyroxene, which is overprinted and partially replaced by hornblende. The hornblende is further altered by actinolite in Samples 2B and 2C. The K-feldspar occurs as an alteration phase in Sample 2B, as indicated by its occurrence within thin discontinuous veinlets sub-parallel to the weak foliation defined by the plagioclase. The K-feldspar alteration is moderate (~10%) in Sample 2C.

The **third** suite (Samples **3A**, **3B**, and **4B**) is made up of slightly different medium-grained **monzonitic intrusives**. Sample **3A** shows a composition similar to the gabbroic rock of the second suite and is a plagioclase-phyric **monzodiorite**. The plagioclase phenocrysts are randomly oriented and dominate the composition of this rock. Phenocrysts of hornblende, biotite, and magnetite are subordinate and are immersed within a groundmass with abundant K-feldspar and lesser quartz. Myrmekitic intergrowths between quartz and K-feldspar point to a magmatic crystallization of the K-feldspar within the groundmass. The magmatic microstructure is crosscut by a quartz-K-feldspar vein. Sample **3B** is a medium-grained **altered monzogranite**. The plagioclase is completely replaced by clay (kaolinite?) and calcite (the calcite strongly altered the rock). The microstructure is less porphyritic that Sample 3A, and the pseudomorphs after plagioclase, quartz, and K-feldspar form a granular microstructure. This sample is crosscut by a composite vein of quartz and dolomite.

Sample **4B** is a medium-grained **quartz-monzonite**. This sample is moderately altered by a cryptocrystalline dispersion of probable clay, which in part obscures the microstructural relationships between the plagioclase and the K-feldspar; however, micrographic intergrowths indicate the K-feldspar crystallized with the quartz during the late magmatic stage. Chlorite, epidote, and actinolite completely replaced the magmatic ferromagnesian minerals (hornblende and biotite?). Magnetite occurs as accessory phase.

Table 1: List of samples with their magnetic susceptibility and petrographic classification.[1]

Sample ID	Magnetic Susceptibility ($\cdot 10^{-3}$ SI)	Rock Type
1A	3.8	Granodiorite
1B	3.39	Quartz-plagioclase-phyric microquartz-monzonite; Granodiorite
2A	22.8	Gabbro
2B	14.8	Altered gabbro
2C	9.1	Altered gabbro(?)
3A	2.73	Plagioclase-phyric monzodiorite; Quartz-K-feldspar vein
3B	0.117	Altered monzogranite; Quartz-dolomite vein; Calcite veinlets
4B	3.4	Quartz-monzonite

1 Rock classification after Gillespie et al. (2011), and Gillespie and Styles (1999).

3. Bibliography

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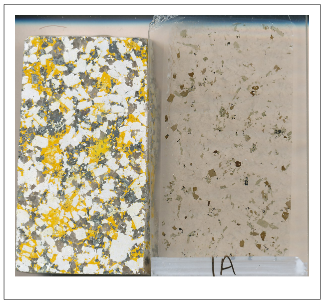
4. Petrographic Descriptions

Sample 1A



Granodiorite

The microstructure is inequigranular and medium grained (0.2–2.5 mm) and is defined by subhedral crystals of plagioclase, anhedral quartz, interstitial K-feldspar, subhedral biotite, anhedral to skeletal hornblende, and subhedral magnetite.

***Alteration*: actinolite** (subtle); **Fe-chlorite** (subtle, after biotite); **hematite** (subtle, after magnetite).

Mineral	***Modal %***	***Main Size Range (mm)***
plagioclase (albite)	65 – 62	0.2–2.5
quartz	17 – 19	up to 1
K-feldspar	9 – 10	up to 4
biotite	3 – 4	up to 1
amphibole: hornblende(?) and actinolite (?)	2 – 3	up to 1.5
magnetite	0.5 – 0.6	up to 0.25
titanite	0.1 – 0.2	up to 0.5
Fe-chlorite	tr	up to 0.05
hematite	tr	up to 0.05

Plagioclase forms randomly oriented subhedral crystals ranging from 0.25 mm to 2.5 mm. The plagioclase crystals show albite twinning and an oscillatory, normal (i.e., albite richer rims) euhedral growth zoning. The plagioclase's low extinction angle between adjacent twinning sectors and the lower refractive indexes than those of quartz indicate that the plagioclase is albite. The plagioclase is subtly altered by a cryptocrystalline aggregate of unresolved material.

Quartz occurs as fine- to medium-grained anhedral to interstitial crystals (up to 1 mm) with a moderate undulose extinction.

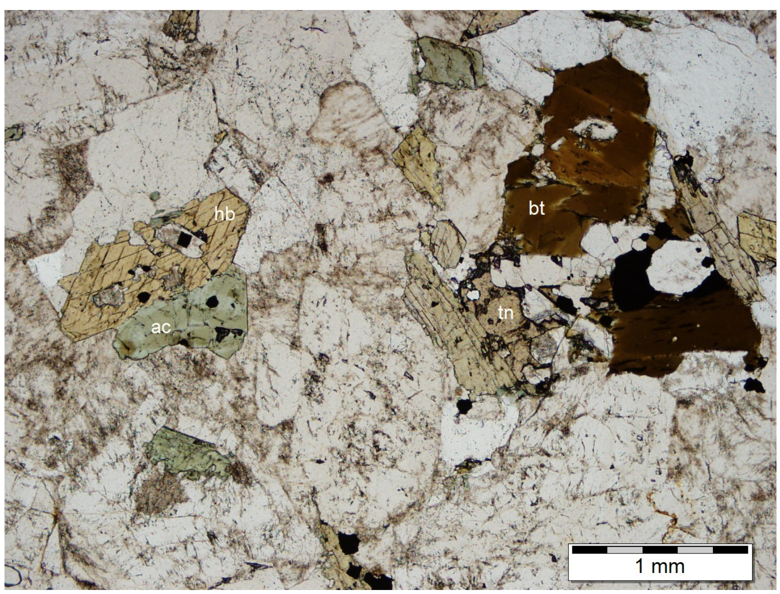
K-feldspar is microperthitic and forms interstitial crystals of up to 4 mm. The interstitial crystals show irregular boundaries with the plagioclase, the quartz, the hornblende, and the biotite, indicating a disequilibrium between the K-feldspar and the other magmatic minerals. In most cases, it is evident the K-feldspar grew at the expenses of hornblende, quartz, and biotite. The K-feldspar is subtly altered by a cryptocrystalline dispersion of unresolved material.

Biotite occurs as subhedral equant books up to 1 mm. The biotite is fresh to weakly altered (Fe-chlorite) and is randomly oriented within the quartz and K-feldspar aggregate. In rare cases, the biotite is intergrown with hornblende. In one case, the biotite epitaxially overprinted the hornblende.

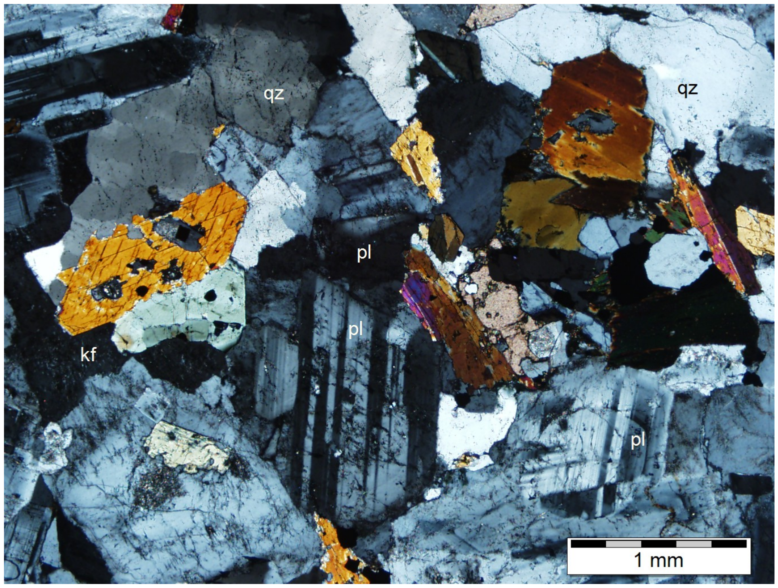
Hornblende(?) forms euhedral crystals immersed within the quartz-K-feldspar aggregate. The hornblende is characterized by distinct pleochroism with green to brown tints. Anhedral to skeletal crystals of **actinolite** show weak to distinct pleochroism with green tints (X: pale yellow-green; Y: light green; Z: light bluish-green). The presence of two types of amphibole should be ascertained by electron optic analysis (SEM-EDS) as well as the transition from hornblende to actinolite as the differences of pleochroism are very weak.

Magnetite is fine grained and anhedral. It is spatially associated with the hornblende and the biotite. The magnetite is weakly altered by very fine- to fine-grained hematite.

Anhedral crystals of **titanite** (up to 0.5 mm) are spatially associated with the biotite and the amphibole. In some cases, the titanite hosts fine-grained magnetite.

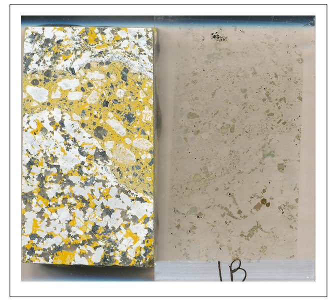


***Photomicrograph 1Aa**: Euhedral hornblende (hb), anhedral actinolite (ac), biotite (bt), and subordinate titanite (tn) are immersed within a quartzofeldspathic aggregate (see details in Photomicrograph 1Ab). Plane-polarized transmitted light.*



***Photomicrograph 1Ab**: Subhedral plagioclase is intergrown with anhedral to interstitial quartz (qz) and interstitial K-feldspar (kf). Crossed Nicols transmitted light.*

Sample 1B



Quartz-plagioclase-phyric quartz-monzonite

Granodiorite

A medium-grained inequigranular microstructure is crosscut by a porphyritic hypabyssal rock. The medium-grained domain is made up of subhedral plagioclase, anhedral quartz, subhedral K-feldspar, biotite, and actinolite. The hypabyssal rock consists of medium-grained euhedral phenocrysts of plagioclase, anhedral phenocrysts of quartz, and fine- to medium-grained crystals of amphibole and biotite, all of which are immersed in a fine-grained groundmass dominated by K-feldspar.

***Alteration*: white mica/clay** (weak, after plagioclase); **actinolite** (subtle to weak, after hornblende within the granodiorite); **Mg-chlorite** (subtle, after biotite); **epidote** (subtle in the granodiorite, subtle to weak in the microquartz-monzonite, after biotite); **magnetite** (weak within the granodiorite; subtle within the microquartz-monzonite); **hematite** (subtle after magnetite).

Mineral	***Modal %***	***Main Size Range (mm)***
quartz-plagioclase-phyric quartz-monzonite (~45% of PTS)		
phenocrysts		
plagioclase	12 – 14	up to 2
quartz	4 – 5	up to 1.2
hornblende and actinolite(?)	3 – 4	up to 1
[biotite] Mg-chlorite-epidote	2	[up to 0.7] up to 0.2
groundmass		
K-feldspar	18 – 20	up to 0.05
quartz	3 – 4	up to 1.2
magnetite	tr	up to 0.2
granodiorite (~55% of PTS)		
plagioclase (albite)	33 – 34	up to 2.5

quartz	14 – 15	up to 1
K-feldspar	4 – 5	up to 1
biotite	1 – 1.5	up to 1
magnetite	0.1 – 0.3	up to 0.5
Mg-chlorite	tr	up to 0.1
epidote	tr	up to 0.2

Plagioclase is medium grained (up to 2.5 mm) and is subhedral within the granodiorite. The crystals are subtly to weakly altered by a very fine-grained dispersion of unresolved material (white mica and/or clay?). The subhedral crystals show albite twinning and refractive indexes lower than the quartz, thus indicating their albitic composition. Within the volcanic rock, the plagioclase phenocrysts (up to 2 mm) are subhedral and are moderately altered by a very fine-grained and unresolved aggregate (white mica and/or clay?). Within the hypabyssal rock, the plagioclase phenocrysts are randomly oriented and prevail over the quartz phenocrysts with an approximate plagioclase-to-quartz ratio of 5:1.

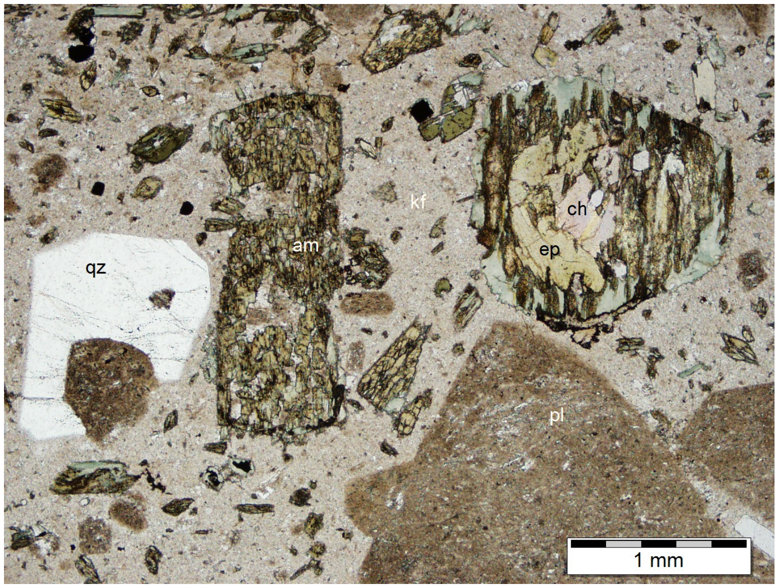
Quartz is anhedral to interstitial and medium grained (up to 1 mm) within the granodiorite. Within the microquartz-monzonite, the quartz forms rounded and embayed phenocrysts (up to 1.2 mm) immersed within a fine-grained groundmass dominated by interlobate K-feldspar.

Biotite forms subhedral books up to 1 mm within the granodiorite. The biotite crystals are subtly to weakly altered by epitaxial Mg-chlorite. Within the microquartz-monzonite, the biotite is strongly to completely altered by chlorite and epidote and is distinguished by the shape of its pseudomorphs only.

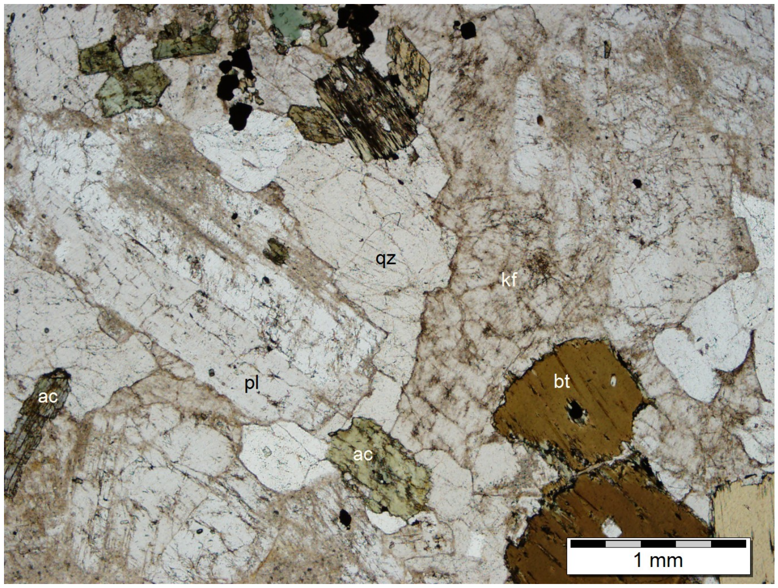
Amphibole is subordinate to the biotite in the granodiorite, in which it occurs as anhedral, generally elongate crystals of **actinolite**. The actinolite is distinguished by the green pleochroism (X: pale yellow-green; Y: light green; Z: light bluish-green) and probably replaced the magmatic hornblende during the magmatic deuteresis or the hydrothermal alteration. The amphibole is more abundant within the microquartz-monzonite, in which it forms fine- to medium-grained phenocrysts with brown to green pleochroism. Because of the brown tints of the pleochroism, I interpret the amphibole within the hypabyssal rock as **hornblende**; however, the composition of the amphiboles should be ascertained by electron optic methods.

K-feldspar is subhedral to anhedral within the granodiorite. The subhedral shape indicates that the K-feldspar mostly crystallized during the magmatic crystallization. The occurrence of thin discontinuous veinlets of K-feldspar is attributed to the K-feldspar circulation probably due to the intrusion of the microquartz-monzonite, which contains abundant K-feldspar in its groundmass. Subordinate quartz and probably plagioclase are associated with the K-feldspar within the groundmass.

Subhedral **magnetite** forms subhedral clusters of fine- to medium-grained crystals associated with actinolite- and chlorite-altered ferromagnesian minerals (hornblende and biotite).

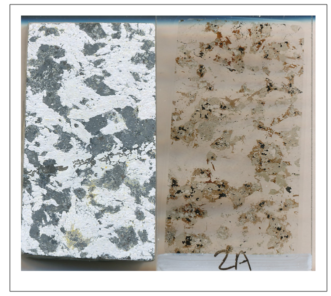


***Photomicrograph 1Ba**: Quartz-monzonite. Subhedral plagioclase (pl), anhedral quartz (qz), and anhedral hornblende (hb) are immersed within a fine-grained groundmass dominated by K-feldspar (kf). Pseudomorphs of epidote (ep) and chlorite (ch) completely replaced biotite. Plane-polarized transmitted light.*



***Photomicrograph 1Bb**: Granodiorite. Subhedral plagioclase (pl), interstitial quartz (qz), and K-feldspar (kf) are intergrown with subhedral biotite (bt). Actinolite (ac) probably replaced magmatic hornblende. In the upper part of the of the polished thin section, the biotite is completely replaced by chlorite and is spatially associated with fine-grained magnetite (opaque). Plane-polarized transmitted light.*

Sample 2A



Gabbro

Elongate subhedral prisms of coarse-grained (up to 4 mm long) plagioclase are intergrown with irregular subordinate domains of fine-grained biotite, clinopyroxene, magnetite, hornblende, and rare pyrite and chalcopyrite.

Alteration: **hornblende** (subtle, uralitic after clinopyroxene); **white mica and/or clay** (subtle, after plagioclase); **quartz** (subtle as infill mineral).

Mineral	*Modal %*	*Main Size Range (mm)*
plagioclase (55% anorthite, labradorite)	75 – 76	up to 1.5 × 4
biotite	12 – 14	up to 1
clinopyroxene (augite?)	8 – 9	up to 1
magnetite	1.5 – 2	up to 1
hornblende	0.4 – 0.6	up to 0.2; rare up to 2
quartz	0.4	up to 1
pyrite	tr	up to 0.15; rare up to 1
apatite	tr	up to 0.2
ilmenite	tr	up to 0.15
chalcopyrite	tr	up to 0.1

Plagioclase dominates the composition of this polished thin section as elongate subhedral crystals up to 4 mm long. In some cases, the plagioclase is fractured and shows a moderate undulose extinction. The internal deformation of the plagioclase was probably generated during the magma crystallization. In some areas of the polished thin section, the elongate crystals show a weak preferred dimensional orientation. The plagioclase shows albite twinning and continuous growth zoning. The extinction angle of adjacent twinning sectors is 31° (a′:(010) in zone perpendicular to the {010}) and indicates an anorthite content of about 54% (i.e., **labradorite**). The plagioclase is subtly altered by very fine-grained dispersions of phyllosilicates (white mica and/or clay).

Medium-grained biotite and clinopyroxene form irregular clusters, which host subordinate amounts of magnetite, pyrite, and chalcopyrite. The **biotite** forms anhedral crystals and rare lamellae. The biotite rims and partially replaced anhedral to skeletal crystals of clinopyroxene.

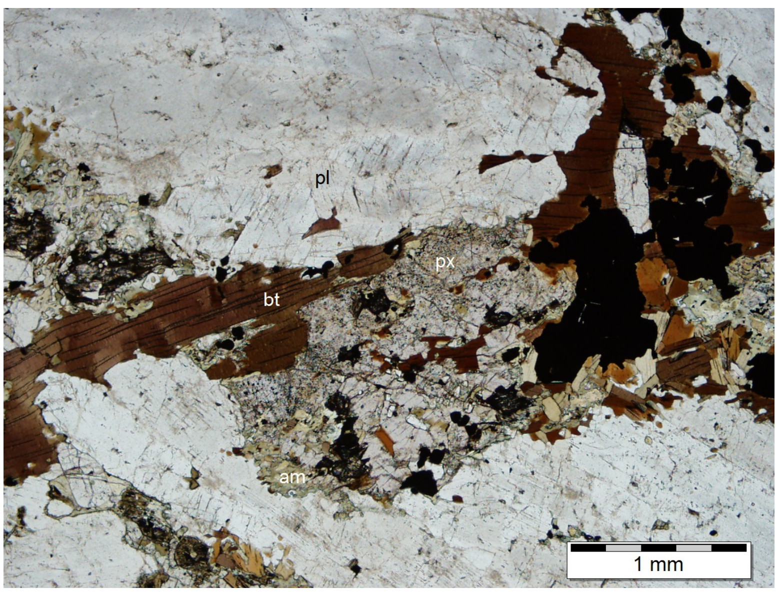
In some cases, the biotite is deformed and shows slightly bent crystals and undulose extinction.

Clinopyroxene is characterized by weak pleochroism with pale-green tints and extinction angles up to 37°. The optical features of the pyroxene are consistent with an augitic composition, which should be confirmed by electron optic analysis. Most of the pyroxene crystals contain fine- to very fine-grained pseudo-inclusions of **hornblende**, which define uralitic microstructures and in rare cases form anhedral crystals of up to 2 mm. The clinopyroxene crystals show high birefringence (up to second-order blue) and in some cases are twinned.

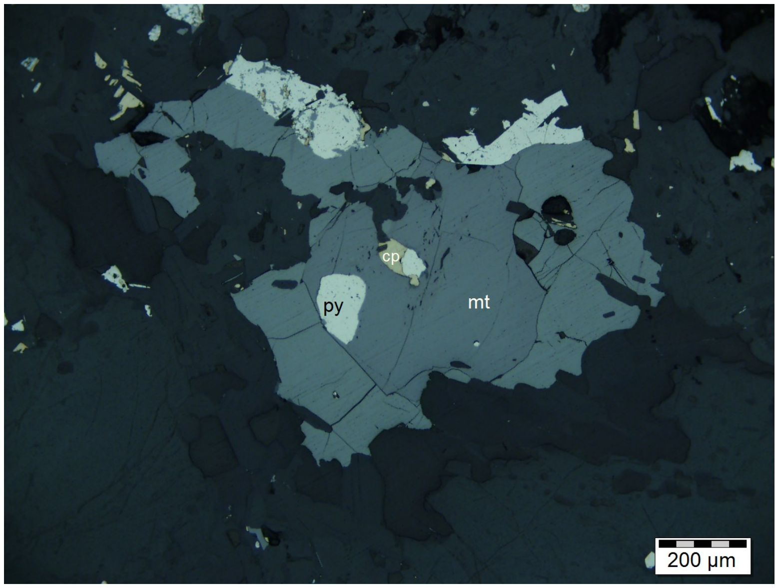
Magnetite is dispersed within the ferromagnesian clusters of biotite and clinopyroxene as inequigranular (up to 1 mm) and anhedral crystals. The magnetite is intergrown with rare **pyrite**, which in turn is intergrown and probably partially replaced by fine-grained rare **chalcopyrite**. Very rare **ilmenite** is intergrown with the magnetite and is distinguished by its anisotropic nature.

Apatite is rare and forms fine-grained droplets and interstitial crystals within the interstices of the plagioclase and the ferromagnesian minerals.

Quartz is concentrated within a vein-like domain as medium-grained crystals (up to 1 mm). The quartz vein is parallel to the weak iso-orientation of the plagioclase, and I interpret the crystallization of quartz as a late magmatic event.



***Photomicrograph 2Aa**: Abundant plagioclase (pl) is associated with irregular clusters of deformed biotite (bt), anhedral pyroxene (px), and magnetite (opaque). The pyroxene is partially replaced by amphibole and forms uralitic microstructures. Plane-polarized transmitted light.*



Photomicrograph 2Ab*: Anhedral magnetite (mt) is intergrown with lesser pyrite (py) and rare chalcopyrite (cp). Plane-polarized reflected light.*

Sample 2B

Altered gabbro

The microstructure of this sample is similar to Sample 2A. Elongate prisms of plagioclase show a preferred dimensional iso-orientation and are associated with irregular clusters of ferromagnesian minerals, namely biotite, amphibole, magnetite, and lesser clinopyroxene. The plagioclase prevails over the ferromagnesian minerals and it is more abundant than in Sample 2A. The clinopyroxene relicts are less abundant than in Sample 2A and are replaced by biotite and hornblende. K-feldspar and magnetite filled in thin and discontinuous veinlets sub-parallel to the weak foliation defined by the plagioclase.

***Alteration*: hornblende** (weak, after clinopyroxene); **white mica and/or clay** (weak to moderate, after plagioclase); **quartz** (subtle to weak); **K-feldspar** (subtle to weak, as infill mineral).

Mineral	*Modal %*	*Main Size Range (mm)*
plagioclase (oligoclase)	76 – 77	1.5 × 4
white mica/clay?	8 – 10	up to 0.05
hornblende, and actinolite(?)	4 – 6	up to 2
biotite	4 – 6	up to 1.5
clinopyroxene (augite?)	2 – 3	up to 2
magnetite	1 – 1.5	up to 1
quartz	1 – 1.5	up to 1
Fe-chlorite	0.5 – 1	up to 0.1
K-feldspar	0.5 – 1	up to 0.2
pyrite	0.2 – 0.3	up to 0.5
epidote	tr	up to 0.35
apatite	tr	up to 0.1 × 0.5
titanite	tr	up to 0.02
chalcopyrite	tr	up to 0.15

Plagioclase forms elongate and subhedral prisms up to 1.5 × 4 mm. The plagioclase crystals show a preferred dimensional orientation, which defines a weak magmatic foliation. The crystals are in some cases internally deformed and fractured and show undulose extinction. The plagioclase in this sample is more altered than that in Sample 2A, and its crystals host heterogeneously dispersed aggregates of fine-grained flakes of white mica and/or clay. Measuring the extinction angle between adjacent twinning sectors (a′:(010) in zone perpendicular to {010}) gave 21°, which indicates an oligoclasic composition (i.e., 37% anorthite). I interpret this composition as the result of magmatic deuteresis from a more anorthitic plagioclase. For this reason, I classify this sample as a gabbro that underwent post-magmatic alteration. This hypothesis should be confirmed by electron optic analysis of the core of the more preserved plagioclase crystals. Proof of the more intense alteration in this sample compared to Sample 2A is the less-abundant **clinopyroxene**, here occurring as uralitic, anhedral to skeletal relicts up to 0.5 mm.

Biotite is concentrated within irregular clusters of ferromagnesian minerals, among which is the uralitic clinopyroxene. The biotite crystals are anhedral and are weakly altered by epitaxial **Fe-chlorite** and very fine-grained **titanite**.

Hornblende forms anhedral crystals (up to 2 mm). The hornblende is distinguished by its typical cleavages at 120°, its brown to olive-green pleochroism, and its crystals partially to completely replacing the uralitic clinopyroxene.

Magnetite forms anhedral crystals of up to 1 mm, which preferentially crystallized within the biotite and the hornblende. Fine-grained magnetite is aligned within discontinuous K-feldspar-rich infill domains.

Quartz forms amoeboid crystals intergrown with the biotite and hornblende. In some cases, it is concentrated within irregular discontinuous infill domains. Because of its crystal shape and preferred association with the more altered clusters of ferromagnesian minerals, I interpret the quartz as a product of alteration.

***Photomicrograph 2B**: Anhedral hornblende (hb) replaced an anhedral relict of pyroxene (px) and is intergrown with magnetite (mt) and biotite (which is partially replaced by chlorite). The ferromagnesian minerals form irregular clusters immersed within weakly to moderately altered plagioclase (pl). Plane-polarized transmitted light.*

Sample 2C

Altered gabbro(?)

Medium- to coarse-grained subhedral crystals of plagioclase are randomly oriented and prevail over irregular clusters and sparse crystals of biotite, hornblende, magnetite, and rare relicts of clinopyroxene. K-feldspar filled in irregular veinlets and forms anhedral crystals intergrown with the plagioclase.

Alteration: **K-feldspar** (weak to moderate, as infill mineral and overprinting the plagioclase); **quartz** (subtle, as infill mineral); **white mica** (subtle, after plagioclase); **titanite-epidote** (subtle, after biotite and hornblende); **pyrite** (subtle, after pyrrhotite?); **chalcopyrite** (subtle).

Mineral	***Modal %***	***Main Size Range (mm)***
plagioclase	75 – 77	up to 1.5 × 4
K-feldspar	10 – 11	up to 1
biotite	4 – 6	up to 2.5
hornblende (and actinolite?)	4 – 5	up to 1
clinopyroxene	1	up to 0.5
magnetite	1	up to 0.5
quartz	1	up to 0.4
white mica	1	up to 0.02
titanite	tr	up to 0.02
epidote	tr	up to 0.5
zircon	tr	up to 0.01
pyrite	tr	up to 0.05
chalcopyrite	tr	up to 0.02
pyrrhotite	tr	up to 0.02

Plagioclase forms subhedral crystals ranging from 0.5 mm up to 1.5 × 4 mm. The plagioclase crystals are randomly oriented and this differs from the microstructures described in Samples 2A and 2B. The plagioclase crystals show albite and albite-Carlsbad twinning and are weakly altered by heterogeneously distributed cryptocrystalline aggregates with high birefringence (white mica/clay?). Some of the crystals show continuous growth zonation. The composition of the plagioclase was not determined due to the lack of properly oriented crystals; however, the extinction angle between adjacent sectors of the albite twinning are generally smaller than 15°. The plagioclase shows interlobate boundaries in contact with the anhedral to interstitial K-feldspar, indicating a disequilibrium and exchange between the two minerals.

K-feldspar is concentrated within irregular but straight infill domains. This indicates that its crystallization occurred after the end of the magmatic crystallization, within a mostly solidified crystal mesh (see Photomicrograph 2C). The K-feldspar also occurs as anhedral crystals, which are intergrown with the plagioclase and host fine- to very fine-grained perthitic stringlets.

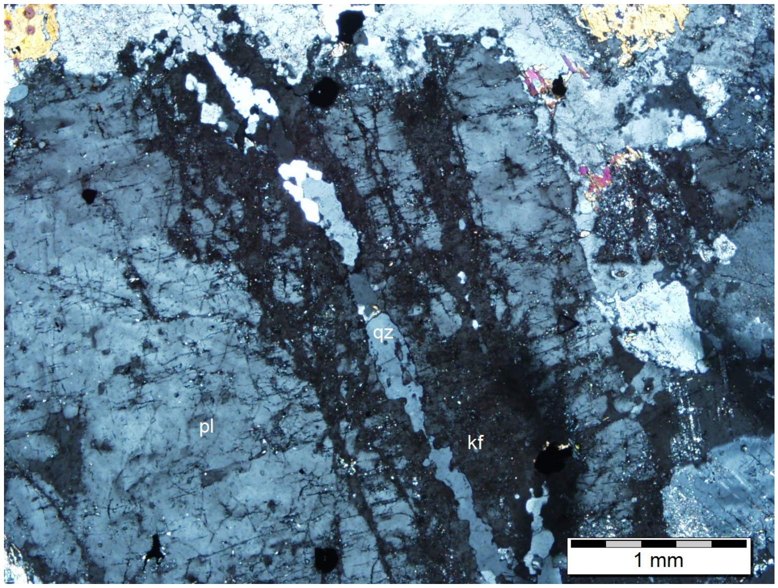
Biotite forms medium- to coarse-grained (up to 2.5 mm) anhedral crystals and forms irregular clusters in association with hornblende, magnetite, and clinopyroxene. The biotite is relatively fresh and is not altered by chlorite as was the case in Sample 2B.

Hornblende is anhedral and is characterized by the typical pleochroism with brown to green tints. The hornblende rims and in some cases includes skeletal relicts of **clinopyroxene**. Judging from the presence of some crystals with blue-green pleochroism, actinolite may be present.

Quartz is fine to medium grained and is preferentially associated with the ferromagnesian clusters. It occurs as interstitial crystals between the feldspars.

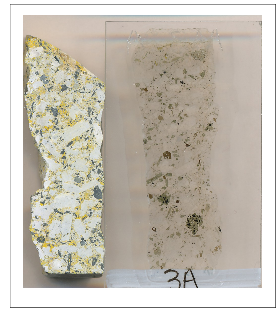
Magnetite preferentially crystallized within the biotite and the hornblende crystals and crystal clusters. In this sample, the magnetite is associated with rare pyrite.

Fine-grained anhedral pyrite is less abundant than in Samples 2A and 2B. Some of the shapes of the pyrite and the occurrence of very rare, very fine-grained **pyrrhotite** armoured within the magnetite indicate that the pyrite may have replaced the pyrrhotite. **Chalcopyrite** is very rare and very fine grained and is spatially associated with the magnetite and the pyrite.



***Photomicrograph 2C**: A coarse-grained crystal of plagioclase (pl) is crosscut by an irregular veinlet of quartz (qz). K-feldspar (kf) is spatially associated with the veinlet. This microstructure indicates that at least some of the quartz and the K-feldspar filled in a brittle, therefore solidified, rock. Crossed Nicols transmitted light.*

Sample 3A



Plagioclase-phyric monzodiorite

Quartz-K-feldspar vein

Euhedral inequigranular (up to 2 × 5 mm) phenocrysts of plagioclase and euhedral (0.6 × 3 mm) hornblende and subhedral biotite (up to 2 mm) are immersed within a fine-grained groundmass of K-feldspar, quartz, and plagioclase(?). A quartz-K-feldspar vein (at least 2 mm thick) crosscut the porphyritic rock in the upper part of the polished thin section.

***Alteration*: chlorite** (strong, after biotite); **white mica** (subtle, after plagioclase); **epidote** (subtle after biotite, hornblende, and plagioclase?).

Mineral	***Modal %***	***Main Size Range (mm)***
monzodiorite (95% of PTS)		
phenocrysts		
plagioclase	57 – 58	up to 2 × 5
hornblende	4 – 5	up to 0.6 × 3
biotite	1 – 1.2	up to 2
magnetite	0.4 – 0.5	up to 0.3
groundmass		
K-feldspar	20 – 22	up to 0.2
quartz	11 – 12	up to 0.15
plagioclase(?)	2 – 3	up to 0.1
biotite	0.5 – 1	up to 0.02
hornblende	tr	up to 0.1
magnetite	tr	up to 0.1
epidote	tr	up to 0.1
white mica?	tr	up to 0.02
zircon	tr	up to 0.02
hematite	tr	up to 0.02
quartz-K-feldspar vein (5% of PTS)		

quartz	4	up to 0.5
K-feldspar	1	up to 1

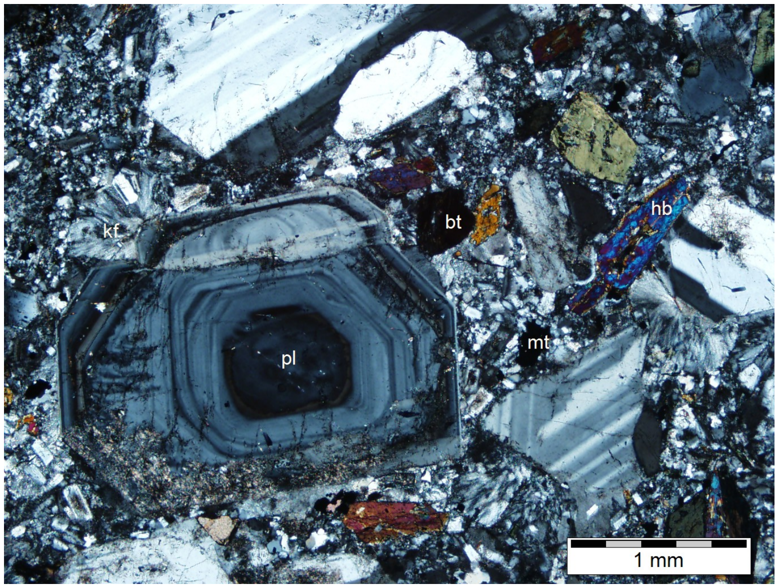
Plagioclase forms randomly oriented euhedral crystals immersed within a fine-grained groundmass of K-feldspar, quartz, probable plagioclase, and fine- to very fine-grained ferromagnesian minerals (i.e., amphibole and biotite). The crystal size of the plagioclase ranges from 0.1 mm to 2 × 5 mm. Within the groundmass, albite-rich plagioclase forms myrmekitic intergrowths within the anhedral K-feldspar, which dominates the composition of the groundmass. The plagioclase probably occurs within the groundmass as very fine-grained crystallites. The plagioclase phenocrysts show albite twinning and euhedral oscillatory growth zoning. The refractive indexes of the plagioclase are greater than those of quartz. The extinction angle between adjacent albite twins (a′:(010)) is 26°. This would indicate a 46% anorthite content; however, the measurement was done on a non-ideal section, and this estimate should be further ascertained by electron optic analysis.

K-feldspar dominates the composition of the fine-grained groundmass, in which it is anhedral and is intergrown with fine-grained **quartz** and subordinate crystals of biotite and hornblende. Medium-grained anhedral crystals of K-feldspar are subordinate to the inequigranular (up to 1 mm) polygonal to interlobate aggregate of quartz within the vein. Because the boundaries between the K-feldspar in the groundmass and the plagioclase are straight, and despite the presence of a K-feldspar-bearing vein, I interpret this microstructure as evidence that the K-feldspar within the groundmass crystallized during the late magmatic stage. From this interpretation, the classification of this sample as monzodiorite follows. The presence of myrmekites can also be interpreted as the product of the slow cooling of the K-feldspar, which will not be consistent with a supposed hydrothermal origin.

Hornblende forms subhedral prisms (up to 0.6 × 3 mm) dispersed within the groundmass. The hornblende shows a distinct pleochroism with brown and green tints. The hornblende is subtly altered by very fine-grained unresolved dispersions, which I interpret as epidote.

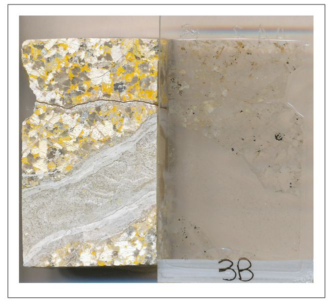
Biotite is subordinate to the hornblende as a phenocrystic mineral. It forms subhedral crystals up to 2 mm, and in some cases the biotite is strongly altered by chlorite, magnetite, and subordinate epidote.

Magnetite preferentially occurs within the hornblende and, to a lesser extent, is dispersed within the groundmass. The magnetite crystals are subtly altered by hematite.



***Photomicrograph 3A**: Euhedral phenocrysts of plagioclase (pl) show euhedral oscillatory growth zoning. Hornblende (hb), subordinate biotite (bt), and magnetite (mt) are immersed within a fine-grained groundmass dominated by the K-feldspar (kf). Crossed Nicols transmitted light.*

Sample 3B



Altered monzogranite

Quartz-dolomite vein

Calcite veinlets

A medium-grained granular aggregate of anhedral quartz, subhedral pseudomorphs after plagioclase, and anhedral K-feldspar is crosscut by a composite 13 mm thick vein of quartz and dolomite, and thin calcite(?) veinlets.

Alteration**:** **clay** (complete, after plagioclase); **calcite-dolomite(?)** (strong, after ferromagnesian minerals, and as infill minerals); **quartz?** (subtle, and as infill mineral); **hematite** (weak, after magnetite).

Mineral	*Modal %*	*Main Size Range (mm)*
altered monzogranite (56% of PTS)		
quartz	20 – 21	up to 2
[plagioclase] clay (kaolinite?)	18 – 19	[up to 2.5] up to 0.01
K-feldspar	12 – 13	up to 1
calcite	2 – 3	up to 0.1
hematite	1 – 1.5	up to 0.25
magnetite	tr	up to 0.0.3
rutile?	tr	up to 0.02
mineral X	tr	~0.06
quartz-dolomite infill (39% of PTS)		
quartz	36	up to 0.1
dolomite	3	up to 0.1
hematite	tr	up to 0.02
iron oxides	tr	cryptocrystalline
rutile	tr	up to 0.01

calcite veinlets (5%)		
calcite	5	up to 0.1

Quartz forms anhedral crystals up to 2 mm in the strongly altered magmatic rock and forms at least three generations of fine-grained aggregates within the 13 mm thick vein. The first fine-grained aggregate (up to 0.1 mm) is made up of fine-grained equant to elongate quartz crystals intergrown with lesser, randomly oriented anhedral equant to slightly elongate crystals of dolomite. A finer-grained (up to 0.05 mm) quartz aggregate filled in the first infill and is characterized by lesser amounts of **dolomite**. The second fine-grained infill contains a median zone 0.2–0.3 mm thick and made up of sub-prismatic quartz oriented at high angles to the median zone, together with subordinate carbonate. I tentatively interpret the carbonate as dolomite because of its slow reaction to cold dilute (10%) HCl. Within the host rock, most veinlets reacted slowly, although some of them reacted briskly. The presence of both **calcite** and dolomite is possible and should be ascertained by electron optic analysis.

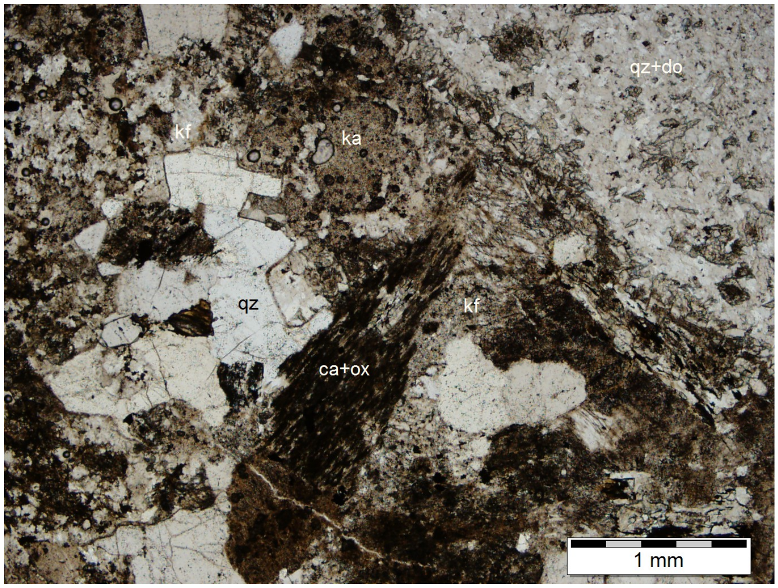
Subhedral pseudomorphs of probable plagioclase are completely replaced by a very fine aggregate of clay. The clay shows low birefringence, and I tentatively interpret it as kaolinite. Electron optic analysis or short-wave infrared spectroscopy are the most appropriate techniques to ascertain the nature of the clay in this case. The pseudomorphs are randomly oriented and do not show any evidence of a magmatic flow.

K-feldspar is interstitial and medium grained (up to 1.5 mm). The K-feldspar is subtly altered by heterogeneously dispersed cryptocrystalline material. In some cases, the K-feldspar forms anhedral crystals, which are the only evidence supporting the magmatic origin of the K-feldspar.

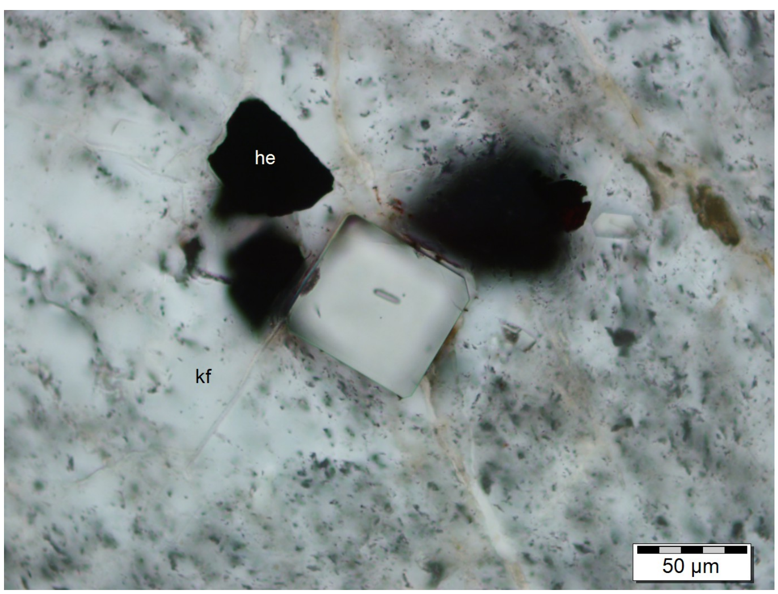
Carbonate replaced all the ferromagnesian minerals within the medium-grained host rock. In some cases the calcite, in association with variable amounts of **iron oxides** and **rutile(?)**, forms subhedral to anhedral pseudomorphs. Some of the pseudomorphs show elongate and prismatic shapes and suggest the replacement of amphibole. The replacement of the ferromagnesian minerals probably occurred during the carbonate infill. Thin irregular veinlets crosscut the host rock and were crosscut by the quartz-dolomite vein.

Hematite forms equant anhedral crystals, which are preferentially associated and clustered within the carbonate-rich replacement patches. The hematite strongly to intensely replaced **magnetite**, which in some cases is still preserved within the core of hematite as anhedral relicts.

A cubic, transparent and probably isotropic mineral (X) is unresolved. It shows refractive indexes greater than the K-feldspar (see Photomicrograph 3Bb) and crystallized within the fractured K-feldspar in association with fine-grained hematite.



Photomicrograph 3Ba*: Anhedral crystals of quartz (qz) subhedral pseudomorphs of kaolinite after plagioclase (ka), interstitial K-feldspar and elongate pseudomorphs of calcite and iron oxides, probably after amphibole (ca+ox) form a medium-grained microstructure crosscut by a quartz and dolomite (qz+do) vein. Plane-polarized transmitted light.*



Photomicrograph 3Bb*: A unresolved mineral with a cubic shape (in the centre of the photomicrograph) crystallized within the fractured K-feldspar. Plane-polarized transmitted light.*

Sample 4B

Quartz-monzonite

A medium-grained intergranular microstructure is defined by subhedral plagioclase, anhedral to interstitial K-feldspar, quartz, and subhedral to anhedral pseudomorphs of chlorite and actinolite.

***Alteration*: clay(?)** (moderate, after plagioclase and K-feldspar); **Fe-chlorite-actinolite** (weak, completely replacing the ferromagnesian minerals); **epidote** (weak, overprinting the chlorite-actinolite pseudomorphs and the plagioclase); **calcite** (subtle).

Mineral	*Modal %*	*Main Size Range (mm)*
plagioclase	40 – 41	up to 1.2 long
K-feldspar	28 – 29	up to 0.1
Fe-chlorite	8 – 10	up to 0.05
clay(?)	7 – 8	~0.001
quartz	6 – 7	up to 0.35
epidote	4 – 5	up to 0.1
actinolite	3 – 4	up to 0.2
magnetite	0.2 – 0.3	up to 0.2
iron oxides	tr	cryptocrystalline
calcite	tr	up to 1
titanite	tr	up to 0.02
chalcopyrite	tr	up to 0.1

Plagioclase forms subhedral and medium-grained elongate prisms (up to 1.2 mm long). The plagioclase crystals are randomly oriented and define an intergranular microstructure, in which the interstitial spaces between the plagioclase are occupied by interstitial K-feldspar, pseudomorphs of chlorite and actinolite after ferromagnesian minerals, and quartz. The plagioclase is moderately altered by a very fine-grained dispersion of unresolved material (clay and/or epidote?) and epidote.

K-feldspar forms anhedral to interstitial crystals moderately altered by the same cryptocrystalline aggregate altering the plagioclase. In some cases they host fine-grained micrographic intergrowths, which suggest the K-feldspar crystallized during the magmatic stage.

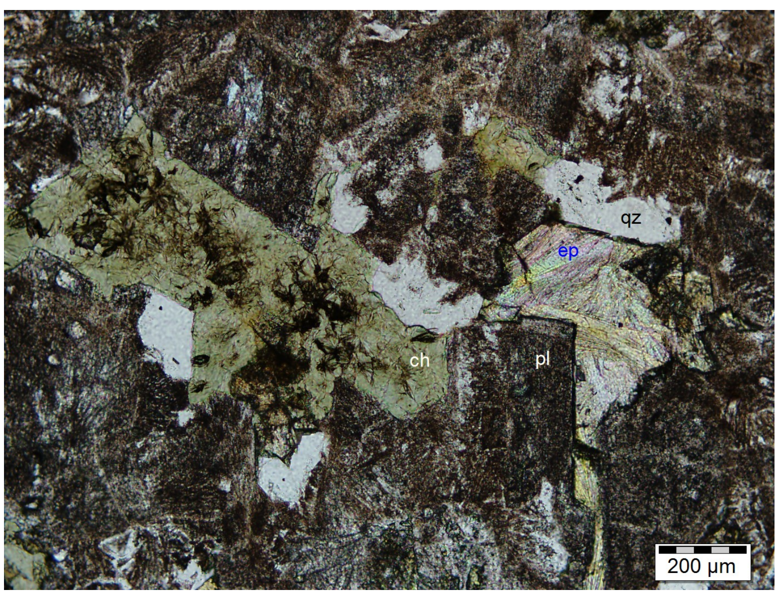
Quartz is anhedral. It occurs within the interstitial spaces between the plagioclase crystals and is intergrown with the K-feldspar to define micrographic intergrowths. The micrographic intergrowths are a type of intergrowths in which the two minerals—quartz and K-feldspar in this sample—form fine-grained portions with the same crystallographic orientations, which indicates that the portions are part of single crystals of quartz and K-feldspar intergrown during their crystallization, which likely occurred during the final stage of the magmatic cooling stage.

Irregular to subhedral pseudomorphs of fine-grained **chlorite** and **actinolite** completely replaced the ferromagnesian mineral(s). The chlorite shows positive elongation and a weak green pleochroism, thus it is iron-rich. The pseudomorphs are preferentially overprinted by fine-grained epidote, which also forms fine-grained replacement patches overprinting the plagioclase.

Magnetite is anhedral (up to 0.2 mm) and its crystals are preferentially dispersed within the chlorite-actinolite pseudomorphs.

Calcite forms interstitial replacement patches and is distinguished by its high relief, extreme birefringence, and brisk reaction to cold dilute (10%) HCl.

Chalcopyrite is very rare and is dispersed within the ferromagnesian pseudomorphs.



Photomicrograph 4B*: Subhedral plagioclase (pl), irregular pseudomorphs of chlorite (ch), and interstitial quartz (qz) define an intergranular microstructure. The epidote (ep) overprinted the magmatic microstructure. Plane-polarized transmitted light.*

Glossary of Microstructural and Petrologic Terms Used in the Text

a, b, c: Symbols used to describe the crystallographic axes of the crystals.

amoeboid: With strongly curved and lobate interlocking grain boundaries; like an amoeba.

anhedral: Describes irregular grains showing no crystal-face boundaries.

cleavage domain: Layer or lens with a relatively high content of elongate grains (such as micas or amphiboles) and low content of equidimensional grains (such as quartz, feldspar, or carbonate). Together with microlithons they make up a spaced foliation. Micas in cleavage domains commonly have a preferred orientation parallel to or at a small angle to the domain.

epitaxial (epitaxy): Nucleation and growth of a mineral in another with a systematic relationship between the two crystal structures.

euhedral: Describes a mineral with crystal faces.

foliation: Planar microstructural element that occurs penetratively on a mesoscopic scale in a rock. Primary foliation includes bedding and igneous layering; secondary foliations are formed by deformation-induced processes.

groundmass: Aggregate that is distinctly finer-grained than the phenocrysts in an igneous rock.

interlobate: With irregular lobate grain boundaries.

interstitial: Describes a mineral occupying angular cavities or interspace fillings between other minerals.

perthite: Intergrowth of albite lamellae in K-feldspar, generally formed by solid-state exsolution of a homogeneous alkali feldspar solid solution during slow cooling in igneous and metamorphic rocks.

phenocryst: Crystal (commonly euhedral) that is distinctly larger than the other minerals around it.

pleochroism: A property of certain crystals of absorbing light to an extent that depends on the orientation of the vector of the light with respect to the optic axes of the crystal.

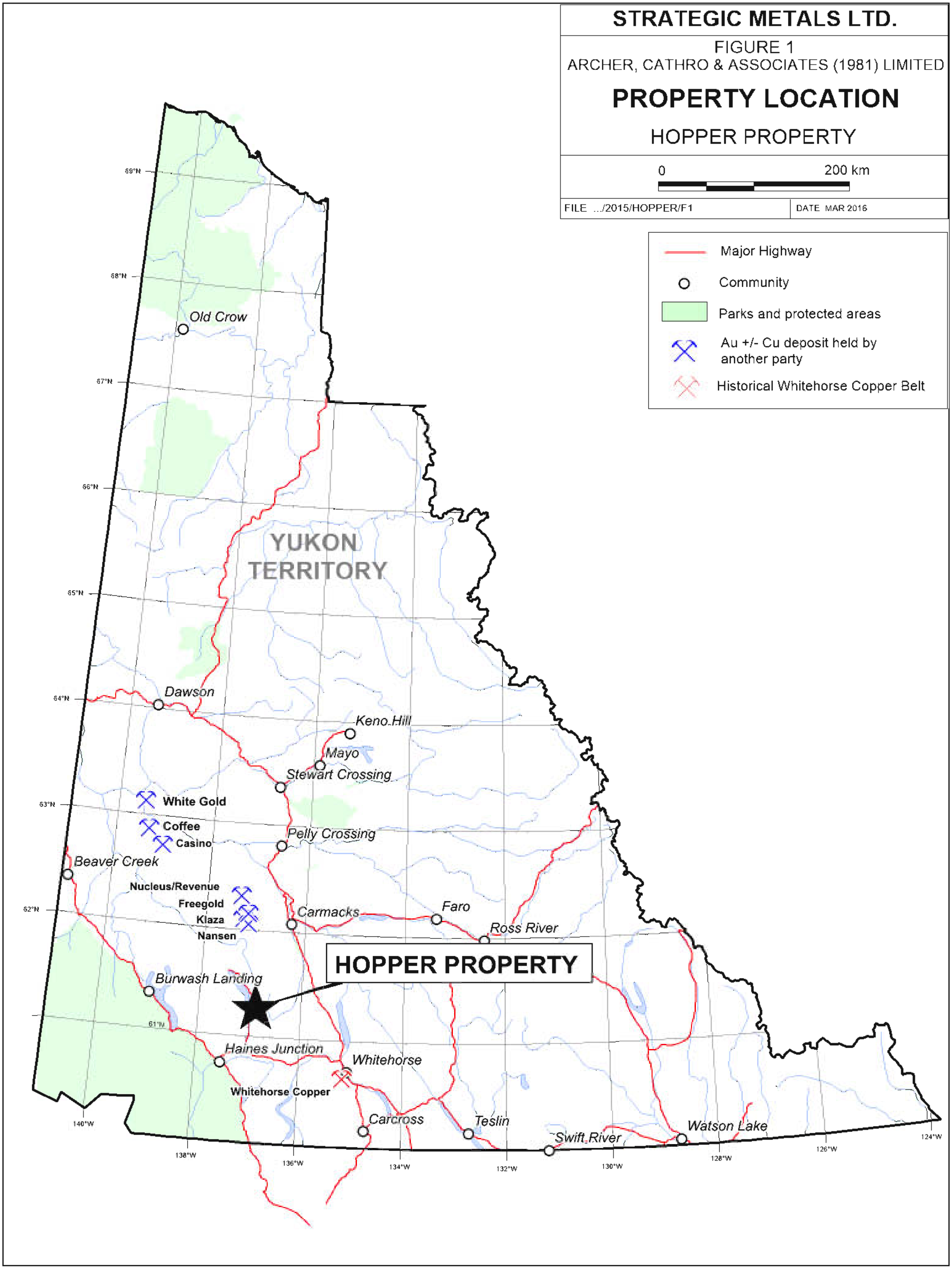
poikilitic: Describes a crystal with numerous, randomly oriented inclusions of other minerals.

pseudomorph: Mineral or group of minerals developed by partial to complete alteration or weathering of a primary mineral. The pseudomorph preserves the shape, size, and volume of the mineral that it has replaced.

relict (residual structure): Structure remaining after a deformation or metamorphic event, such as a porphyroclast in a mylonite, a phenocryst in a metamorphosed volcanic rock, or a partially replaced porphyroblast in a retrograde metamorphic rock. “Relict” is sometimes used as a synonym for “residual.”

undulose (undulatory) **extinction**: Wavy, nonuniform extinction in a single grain, owing to slight bending of the crystal. Patchy, irregular undulose extinction can be due to submicroscopic fractures, kinks, and dislocation angles.

X, Y, Z: symbols used to describe the optical indicatrix of the crystals.


STRATEGIC METALS LTD.
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
HOPPER PROPERTY
0
200 km
FILE .../2015/HOPPER/F1
DATE MAR 2016
Major Highway
Community
Parks and protected areas
Au +/- Cu deposit held by another party
Historical Whitehorse Copper Belt
YUKON TERRITORY
HOPPER PROPERTY
Old Crow
Dawson
Keno Hill
Mayo
Stewart Crossing
White Gold
Coffee
Casino
Pelly Crossing
Beaver Creek
Nucleus/Revenue
Freegold
Klaza
Nansen
Carmacks
Faro
Ross River
Burwash Landing
Haines Junction
Whitehorse
Whitehorse Copper
Carcross
Teslin
Swift River
Watson Lake
69°N
68°N
67°N
66°N
65°N
64°N
63°N
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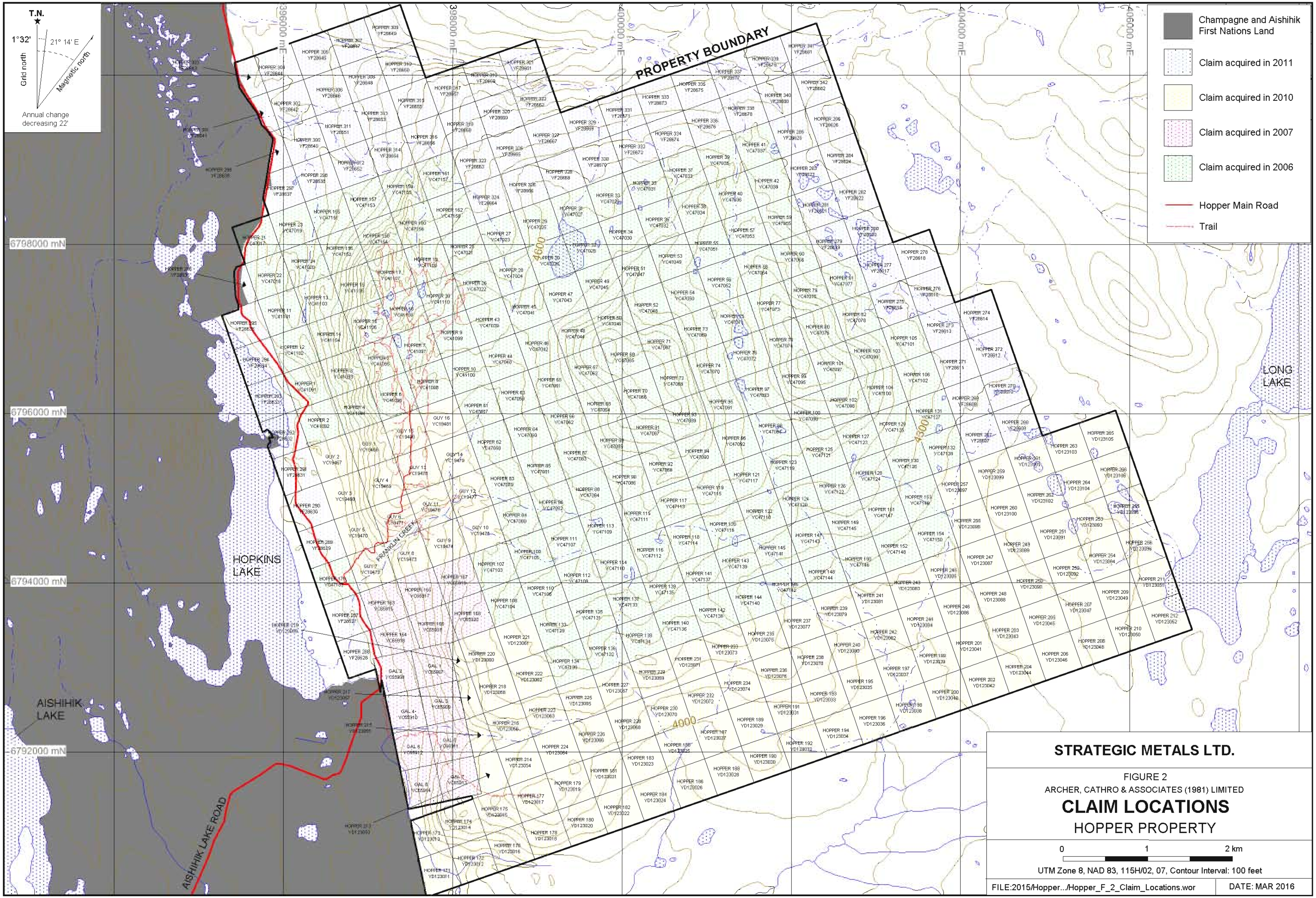
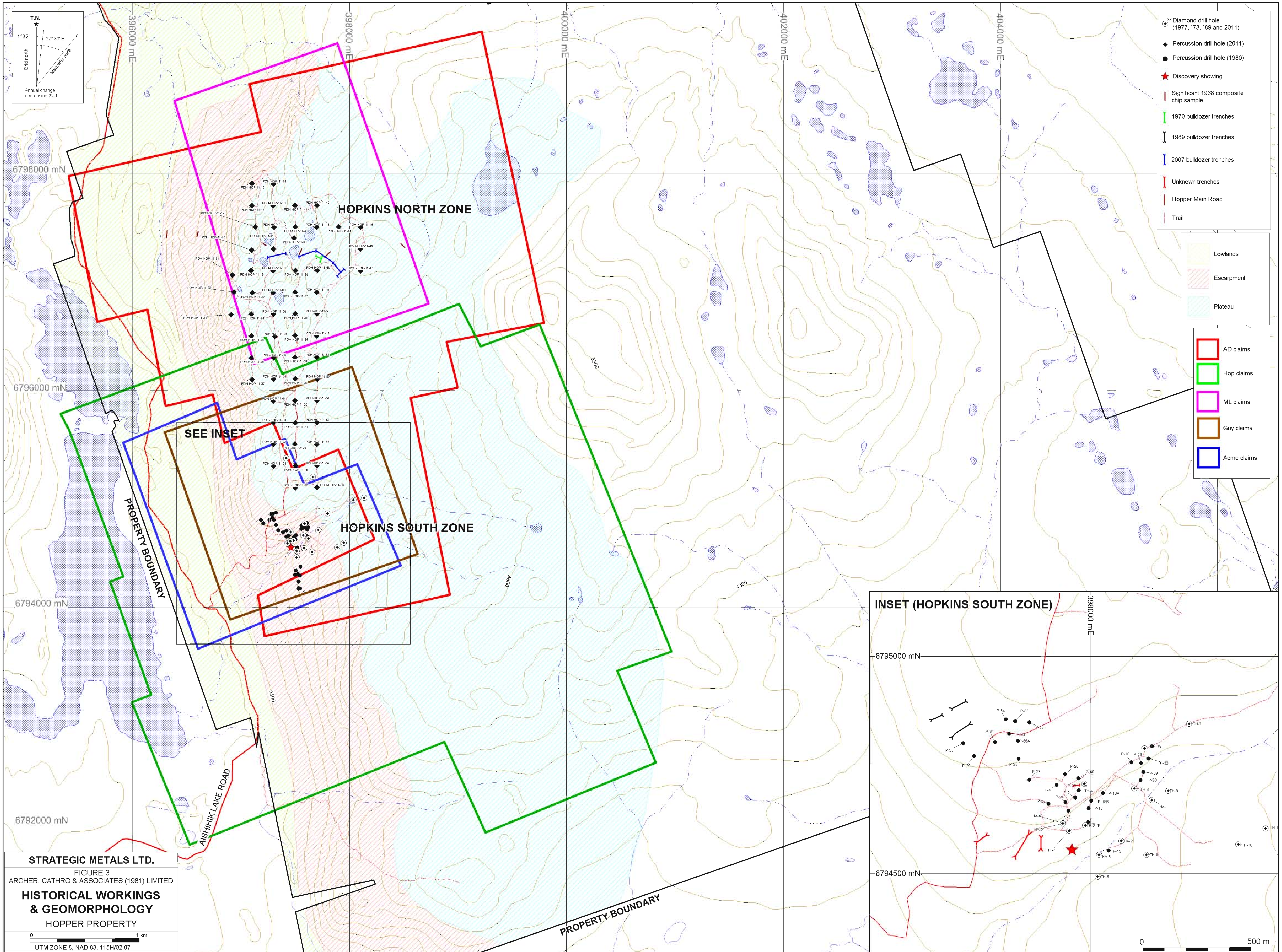
136°W
134°W
132°W
130°W
128°W
126°W
124°W


T.N.
1°32'
21° 14' E
Grid north
Magnetic north
Annual change decreasing 22'
Champagne and Aishihik First Nations Land
Claim acquired in 2011
Claim acquired in 2010
Claim acquired in 2007
Claim acquired in 2006
Hopper Main Road
Trail
PROPERTY BOUNDARY
396000 mE
398000 mE
400000 mE
404000 mE
406000 mE
6798000 mN
6796000 mN
6794000 mN
6792000 mN
4600
4300
4000
FRANKLIN CREEK
HOPKINS LAKE
AISHIHIK LAKE
LONG LAKE
AISHIHIK LAKE ROAD
STRATEGIC METALS LTD.
FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CLAIM LOCATIONS
HOPPER PROPERTY
0
1
2 km
UTM Zone 8, NAD 83, 115H/02, 07, Contour Interval: 100 feet
FILE:2015/Hopper.../Hopper_F_2_Claim_Locations.wor
DATE: MAR 2016


T.N.
1°32'
22° 39' E
Grid north
Magnetic north
Annual change decreasing 22.1'
396000 mE
398000 mE
400000 mE
402000 mE
404000 mE
6798000 mN
6796000 mN
6794000 mN
6792000 mN
HOPKINS NORTH ZONE
HOPKINS SOUTH ZONE
SEE INSET
PROPERTY BOUNDARY
AISHIHIK LAKE ROAD
PROPERTY BOUNDARY
Diamond drill hole (1977, '78, '89 and 2011)
Percussion drill hole (2011)
Percussion drill hole (1980)
Discovery showing
Significant 1968 composite chip sample
1970 bulldozer trenches
1989 bulldozer trenches
2007 bulldozer trenches
Unknown trenches
Hopper Main Road
Trail
Lowlands
Escarpment
Plateau
AD claims
Hop claims
ML claims
Guy claims
Acme claims
INSET (HOPKINS SOUTH ZONE)
398000 mE
6795000 mN
6794500 mN
0
500 m
STRATEGIC METALS LTD.
FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
HISTORICAL WORKINGS & GEOMORPHOLOGY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/02,07
FILE 2015/Hopper
DATE MAR 2016

STRATEGIC METALS LTD.

FIGURE 4

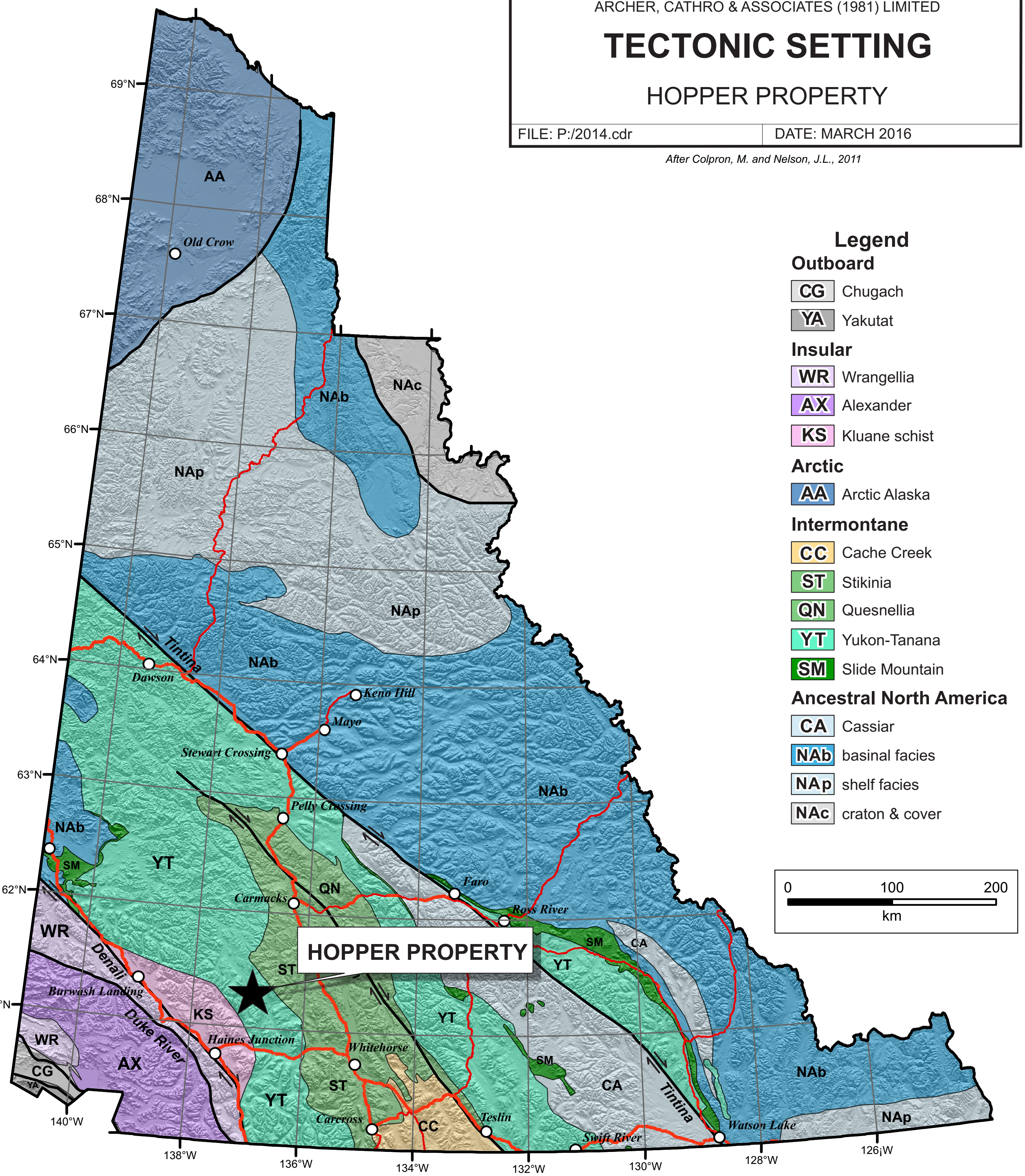
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

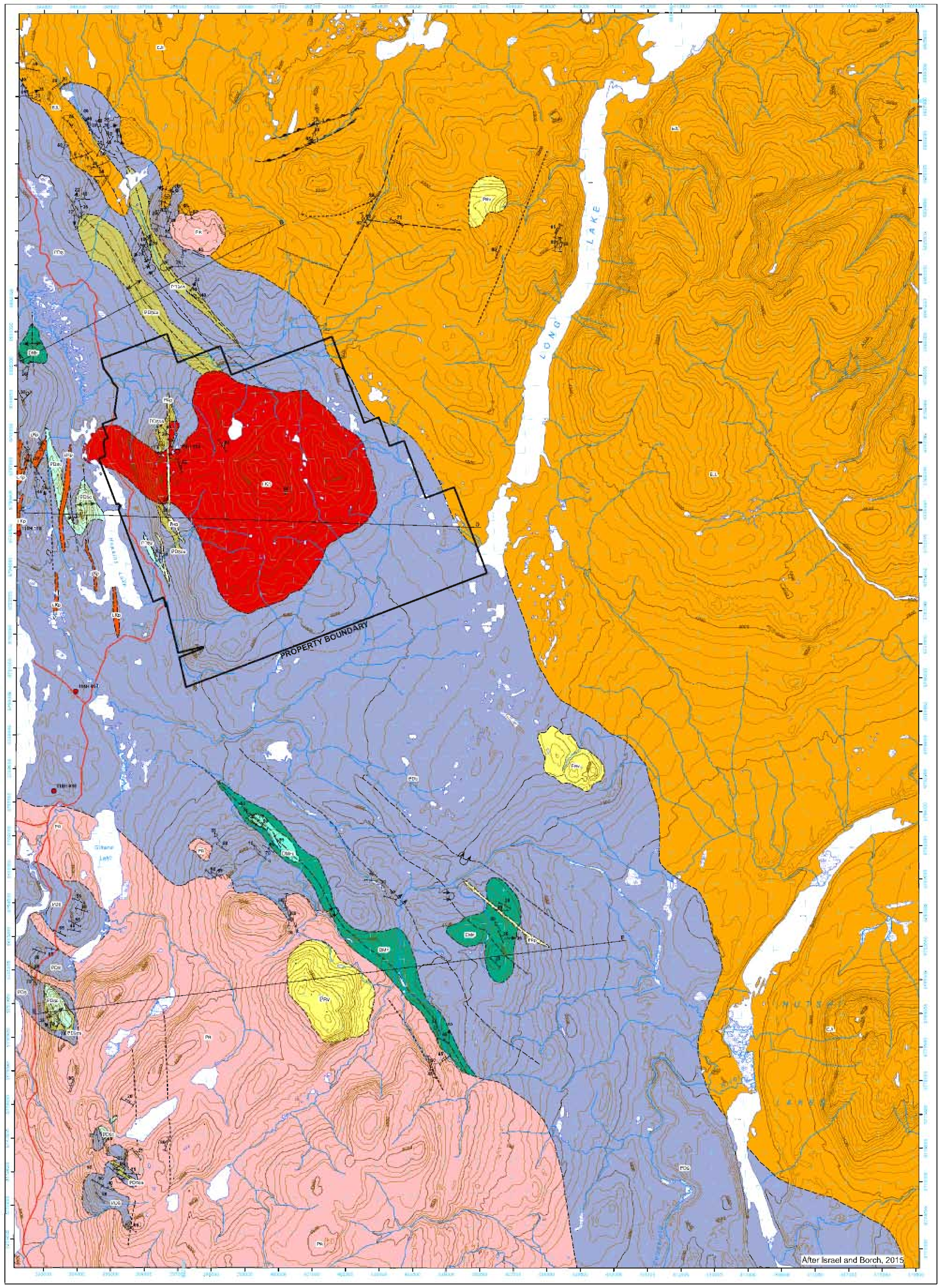
TECTONIC SETTING

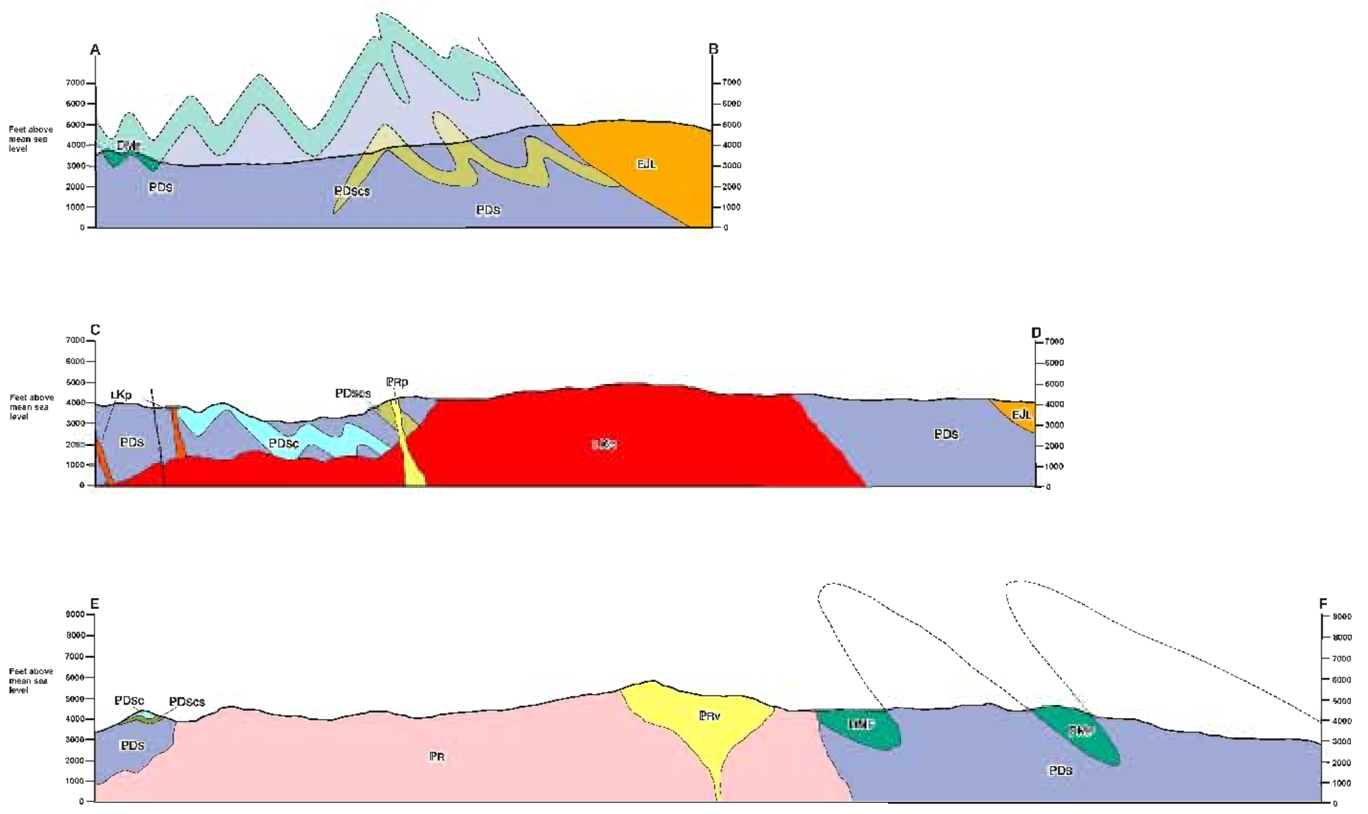
HOPPER PROPERTY

FILE: P:/2014.cdr	DATE: MARCH 2016

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







LEGEND

OVERLAP ASSEMBLAGES

PALEOCENE

RHYOLITE CREEK VOLCANOPLUTONIC COMPLEX (ca. 57-54 Ma):

PRp — massive fine to medium-grained, plagioclase porphyry; fine-grained hornblende quartz-diorite to granodiorite

PRv — andesitic to dacitic volcanic breccia and subvolcanic intrusions. angular to rounded clasts of purple to grey feldspar porphyry and fine-grained intermediate volcanics within a feldspar crystal-rich, andesitic to dacitic matrix

RUBY RANGE SUITE (ca. 64-57 Ma):

PR — medium to coarse-grained, equigranular light grey to white biotite ± hornblende granodiorite fine to coarse-grained salt and pepper hornblende ± biotite, quartz diorite; very coarse grained biotite, muscovite K-feldspar pegmatite dikes likely in part coeval with Rhyolite Creek volcanoplutonic complex

LATE CRETACEOUS

CASINO SUITE (ca. 78-74 Ma):

HOPPER PLUTON (ca. 78 Ma):

LKc — medium to coarse-grained, hornblende quartz-diorite granodiorite and diorite; local coarse-grained hornblende gabbro, abundant magnetite; locally strongly altered where in contact with PDs and PDscs

AISHIHIK DIKES (ca. 78 Ma):

LKp — fine to medium-grained hornblende, ± biotite, plagioclase porphyry; commonly strongly chlorite and sericite altered; weathers orange, brown where in contact with PDs and PDscs

EARLY JURASSIC

LONG LAKE SUITE (ca. 186-180 Ma):

EJL — medium to coarse-grained biotite, hornblende granodiorite to quartz-diorite; locally k-spar megacrystic· minor coarse-grained gabbro· plagioclase, quartz ± k-spar pegmatite dikes locally common, strongly foliated near contact with metasedimentary rocks of the YTT, massive away from contact

YUKON-TANANA TERRANE

DEVONIAN TO MISSISSIPPIAN

FINLAYSON ASSEMBLAGE:

DMFc — fine to medium-grained light grey to white weathered, banded marble, up to several tens of metres thick, locally interlayered with dark grey to black, fine-grained chert and calcareous, quartz, biotite schist

DMF — fine to medium-grained light to dark grey strongly to weakly carbonaceous quartzite and psammitic schist; locally abundant layers of biotite-rich, quartz-felspar schist; rare fine-grained chlorite schist

PROTEROZOIC TO DEVONIAN

SNOWCAP ASSEMBLAGE:

PDsc — fine to medium-grained, grey-cream weathered light grey to white marble occurring as lenses and thick layers (up to several tens of metres wide), common skarnification consisting of quartz, epidote, diopside and garnet occurs where intruded by LKc and LKp

PDscs — fine to medium-grained calcareous, quartz-muscovite schist calcsilicate schist and garnet diopside and epidote skarn

PDs — fine to medium-grained, sugary, massive to banded and strongly folded light grey weathered quartzite, dark grey quartz-biotite schist and quartz-feldspar-biotite schist, locally abundant garnet and muscovite, medium to coarse-grained augen gneiss and biotite-rich paragneiss; kyanite, staurolite and andalusite locally common

LEGEND EXPLANATION

PLUTONIC SUITES: grouping of plutonic rock units based on age, regional distribution and in some cases composition

LAYERED ROCK ASSEMBLAGES: regionally mappable units generally of Group or Formation rank

SYMBOLS

- geologic contact (defined, approximate inferred)
- fault; movement not known (approximate)
- fault, normal (approximate)
- foliation (dominant/early late) 83 83
- cleavage 83
- crenulation cleavage 54
- mineral lineation 23
- intersection lineation 54
- crenulation lineation 23
- fold axis (upright fold, s-fold) 12 12
- fold axial trace (upright anticline, overturned syncline, anticline)
- bedding 34
- dike 34
- fracture 34
- field station
- limited-use road or trail

● MINFILE Occurrences			
Number	Name	Deposit Type	Commodity
115H016	Giltana	Cu-Skarn	Cu, Mo
115H017	Aishihik	Cu-Skarn	Cu
115H018	Janisaw	Cu-Skarn	Cu
115H034	Hopper North	Cu-Skarn/Porphyry	Cu, Au

RECOMMENDED CITATION

Israel, S. and Borch, A., 2015. Preliminary geological map of the Long Lake area, Parts of NTS 115H/02 and 07 (1:50 000 scale). Yukon Geological Survey Open File 2015-32.

Digital cartography and drafting by Steve Israel , Yukon Geological Survey

Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey

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Ph 867-667-3201
Email: geology@gov.yk.ca

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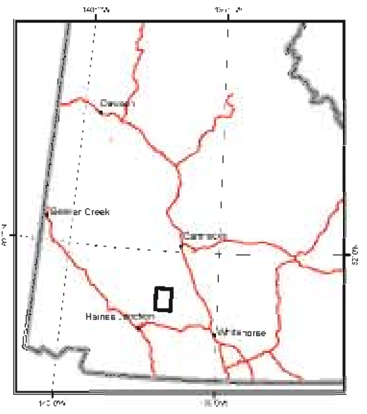


1:50 000-scale topographic base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA

ONE THOUSAND METRE GRID
Universal Transverse Mercator Projection
North American Datum 1983
Zone 8

CONTOUR INTERVAL 100 Feet
Elevations above Mean Sea Level

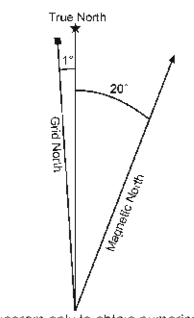
BEDROCK GEOLOGY

LONG LAKE AREA

YUKON

1 0 1 2 3 4 5
Kilometres

SCALE 1:50 000



Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 2015
FOR CENTRE OF MAP

STRATEGIC METALS LTD.

FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

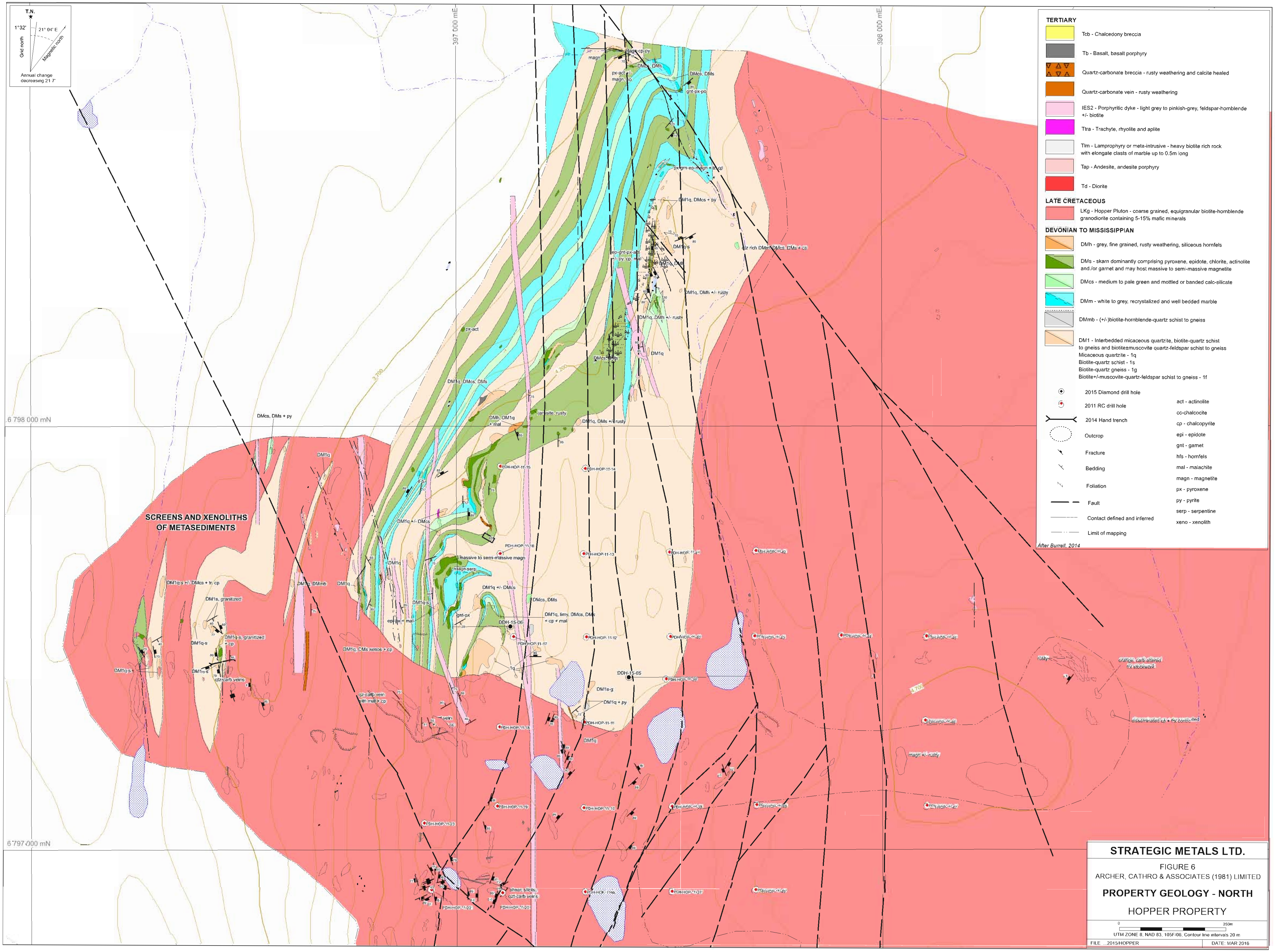
REGIONAL GEOLOGY

HOPPER PROPERTY

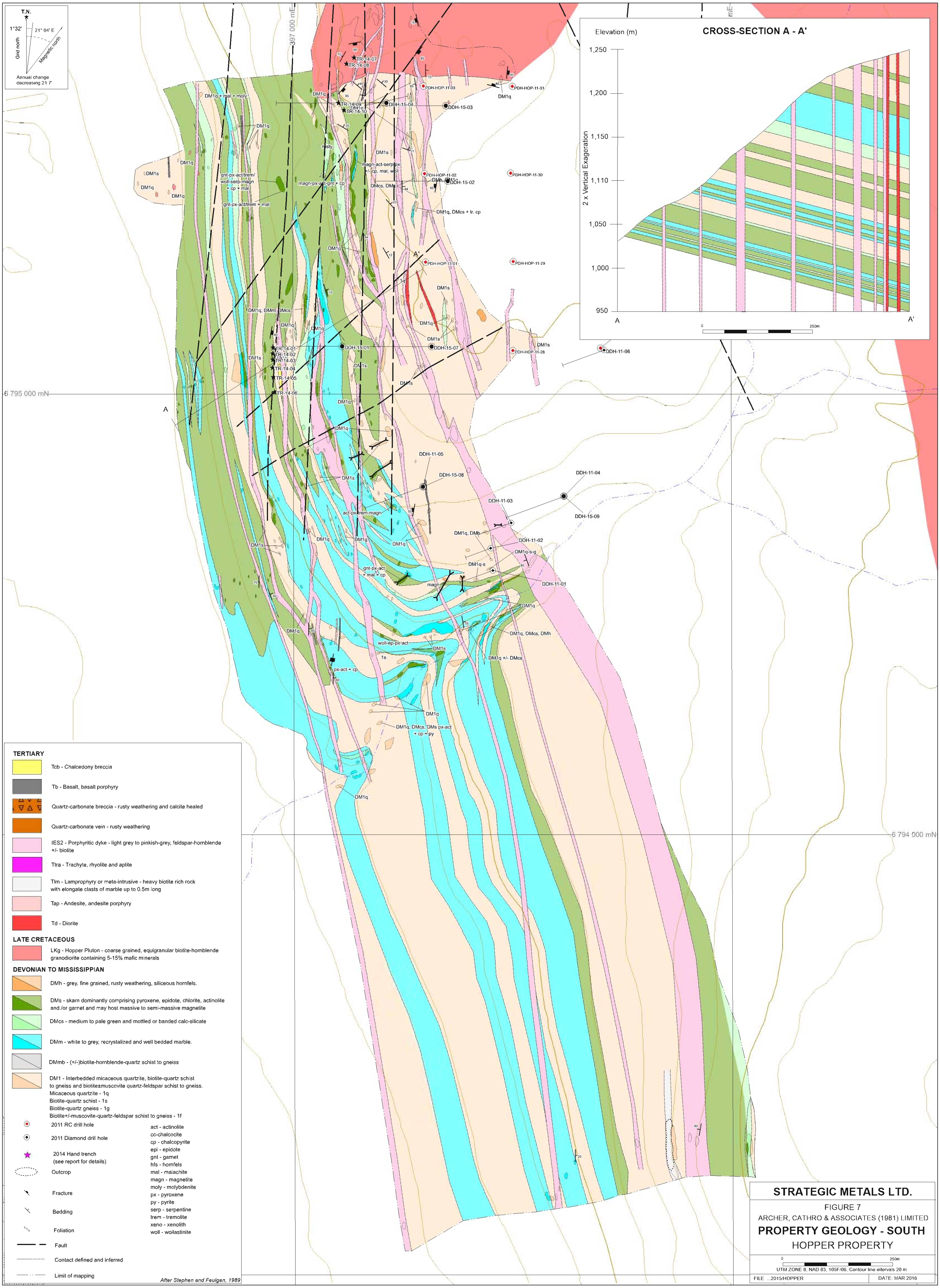
0 5 km

UTM Zone 8, NAD 83, 115H/02, 07, Contour Interval: 100 feet

FILE:2015/Hopper.../Hopper_F_2_Claim_Locations.wor	DATE: MAR 2016



T.N.
Grid north
Magnetic north
1°32'
21° 04' E
Annual change decreasing 21.7'
397 000 mE
398 000 mE
6 798 000 mN
6 797 000 mN
SCREENS AND XENOLITHS OF METASEDIMENTS
TERTIARY
Tcb - Chalcedony breccia
Tb - Basalt, basalt porphyry
Quartz-carbonate breccia - rusty weathering and calcite healed
Quartz-carbonate vein - rusty weathering
IES2 - Porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite
Ttra - Trachyte, rhyolite and aplite
Tlm - Lamprophyry or meta-intrusive - heavy biotite rich rock with elongate clasts of marble up to 0.5m long
Tap - Andesite, andesite porphyry
Td - Diorite
LATE CRETACEOUS
LKg - Hopper Pluton - coarse grained, equigranular biotite-hornblende granodiorite containing 5-15% mafic minerals
DEVONIAN TO MISSISSIPPIAN
DMh - grey, fine grained, rusty weathering, siliceous hornfels
DMs - skarn dominantly comprising pyroxene, epidote, chlorite, actinolite and./or garnet and may host massive to semi-massive magnetite
DMcs - medium to pale green and mottled or banded calc-silicate
DMm - white to grey, recrystalized and well bedded marble
DMmb - (+/-)biotite-hornblende-quartz schist to gneiss
DM1 - Interbedded micaceous quartzite, biotite-quartz schist to gneiss and biotite±muscovite quartz-feldspar schist to gneiss
Micaceous quartzite - 1q
Biotite-quartz schist - 1s
Biotite-quartz gneiss - 1g
Biotite+/-muscovite-quartz-feldspar schist to gneiss - 1f
2015 Diamond drill hole
2011 RC drill hole
2014 Hand trench
Outcrop
Fracture
Bedding
Foliation
Fault
Contact defined and inferred
Limit of mapping
act - actinolite
cc-chalcocite
cp - chalcopyrite
epi - epidote
gnt - garnet
hfs - hornfels
mal - malachite
magn - magnetite
px - pyroxene
py - pyrite
serp - serpentine
xeno - xenolith
After Burrell, 2014
STRATEGIC METALS LTD.
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY - NORTH
HOPPER PROPERTY
0
250m
UTM ZONE 8, NAD 83, 105F/06, Contour line intervals 20 m
FILE ...2015/HOPPER
DATE: MAR 2016


T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'
CROSS-SECTION A - A'
Elevation (m)
1,250
1,200
1,150
1,110
1,050
1,000
950
2 x Vertical Exageration
A
A'
0
250m
6 795 000 mN
6 794 000 mN
397 000 mE
TERTIARY
Tcb - Chalcedony breccia
Tb - Basalt, basalt porphyry
Quartz-carbonate breccia - rusty weathering and calcite healed
Quartz-carbonate vein - rusty weathering
IES2 - Porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite
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Tlm - Lamprophyry or meta-intrusive - heavy biotite rich rock with elongate clasts of marble up to 0.5m long
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Td - Diorite
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DMm - white to grey, recrystalized and well bedded marble.
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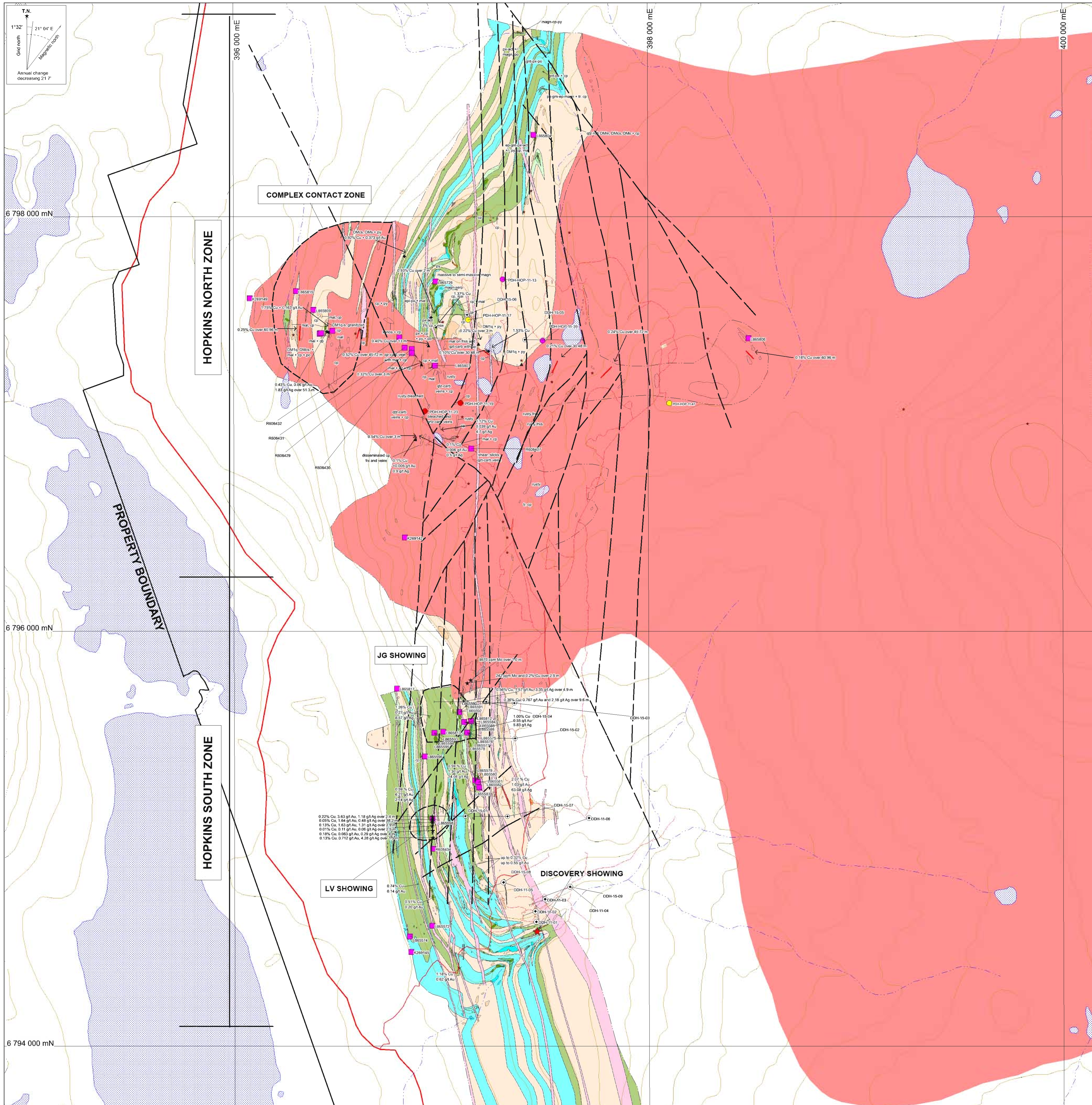
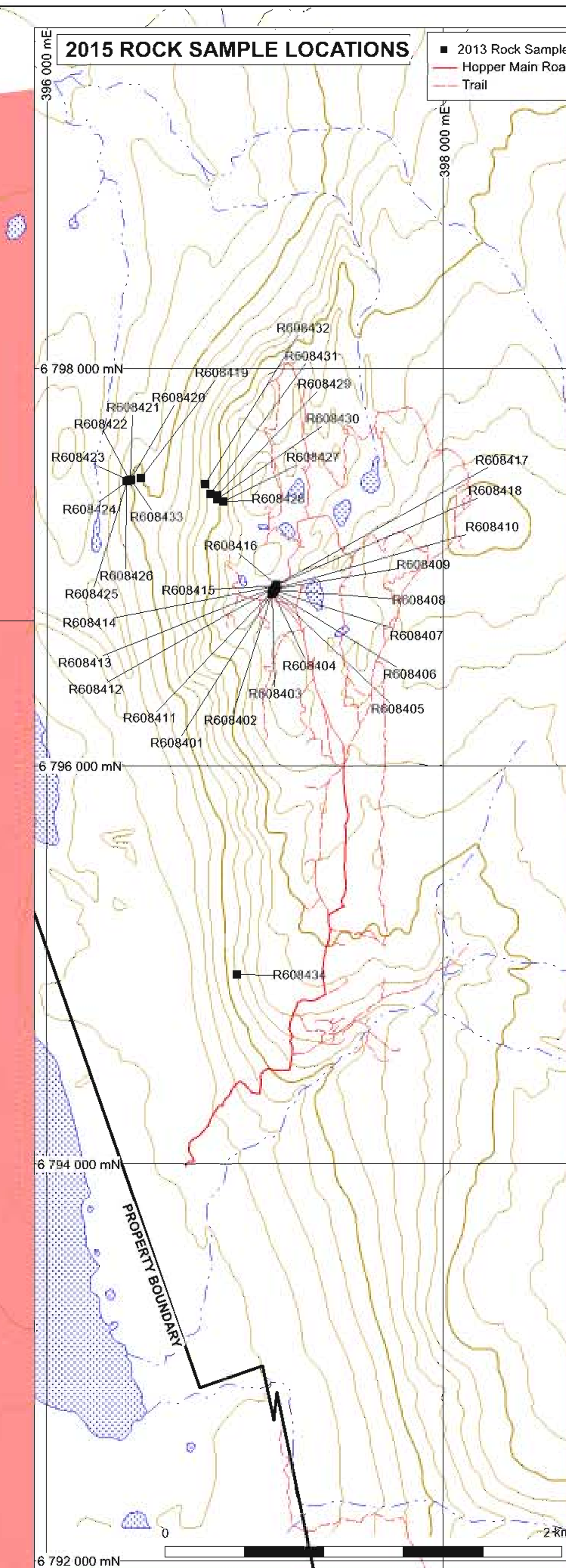
DM1 - Interbedded micaceous quartzite, biotite-quartz schist to gneiss and biotite±muscovite quartz-feldspar schist to gneiss.
Micaceous quartzite - 1q
Biotite-quartz schist - 1s
Biotite-quartz gneiss - 1g
Biotite+/-muscovite-quartz-feldspar schist to gneiss - 1f
2011 RC drill hole
2011 Diamond drill hole
2014 Hand trench (see report for details)
Outcrop
Fracture
Bedding
Foliation
Fault
Contact defined and inferred
Limit of mapping
act - actinolite
cc-chalcocite
cp - chalcopyrite
epi - epidote
gnt - garnet
hfs - hornfels
mal - malachite
magn - magnetite
moly - molybdenite
px - pyroxene
py - pyrite
serp - serpentine
trem - tremolite
xeno - xenolith
woll - wollastinite
After Stephen and Feulgen, 1989
STRATEGIC METALS LTD.
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY - SOUTH
HOPPER PROPERTY
0
250m
UTM ZONE 8, NAD 83, 105F/06, Contour line intervals 20 m
FILE ...2015/HOPPER
DATE: MAR 2016





TERTIARY

- Tcb - Chalcedony breccia
- Tb - Basalt, basalt porphyry
- Quartz-carbonate breccia - rusty weathering and calcite healed
- Quartz-carbonate vein - rusty weathering
- IES2 - Porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite
- Ttra - Trachyte, rhyolite and aplite
- Tlm - Lamprophyry or meta-intrusive - heavy biotite rich rock with elongate clasts of marble up to 0.5m long
- Tap - Andesite, andesite porphyry
- Td - Diorite

LATE CRETACEOUS

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  Micaceous quartzite - 1q
  Biotite-quartz schist - 1s
  Biotite-quartz gneiss - 1g
  Biotite+/-muscovite-quartz-feldspar schist to gneiss - 1f

- Outcrop
- Contact defined and inferred
- Fault
- Significant 2013 rock sample with assay in tables
- 2011 percussion drill hole highlights
  - > 0.5% Cu
  - 0.2 - 0.5% Cu
  - > 0.1 < 0.2% Cu
- 2014 Hand trench (see report for details)
- Strategic Metals 2014/2015 hand trench
- Significant 1968 composite chip sample
- Significant 2007 chip sample
- Significant 2006 rock/chip sample
- 1968 observed surface copper mineralization
- Hopper Main Road
- Trail

Significant Rock and Chip Sample Results

Hopkins North Zone

Rock Type	Sample No.	Sample Type	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Skarn	L865804	Chip (1 m)	0.86	0.7	12.45	1
Granodiorite	L865805	Specimen	2.67	0.021	18.75	25
Granodiorite	L865806	Specimen	0.12	0.018	1.30	5
Quartz-carb vein	L865807	Specimen	0.18	0.018	1.51	24
Skarn	L865809	Specimen	2.27	0.4	18.00	2
Metabasite	L865815	Specimen	1.51	0.052	9.82	24
Skarn	L865726	Specimen	<0.001	0.275	0.1	2
Quartz vein	K269142	Specimen	0.27	0.006	0.52	173
Felsic dyke	K269149	Specimen	0.20	0.075	4.14	22
Quartz-carb vein	R608407*	Chip (3 m)	0.55	0.004	12.9	5
Quartz-carb vein	R608429*	Chip (70 cm)	0.30	0.005	1.19	34
Quartz-carb vein	R608430*	Chip (60 cm)	1.48	0.032	4.64	20
Quartz-carb vein	R608431*	Chip (15 cm)	5.58	0.064	14.45	1115
Quartz-carb vein	R608432*	Chip (15 cm)	1.24	0.185	8.35	151

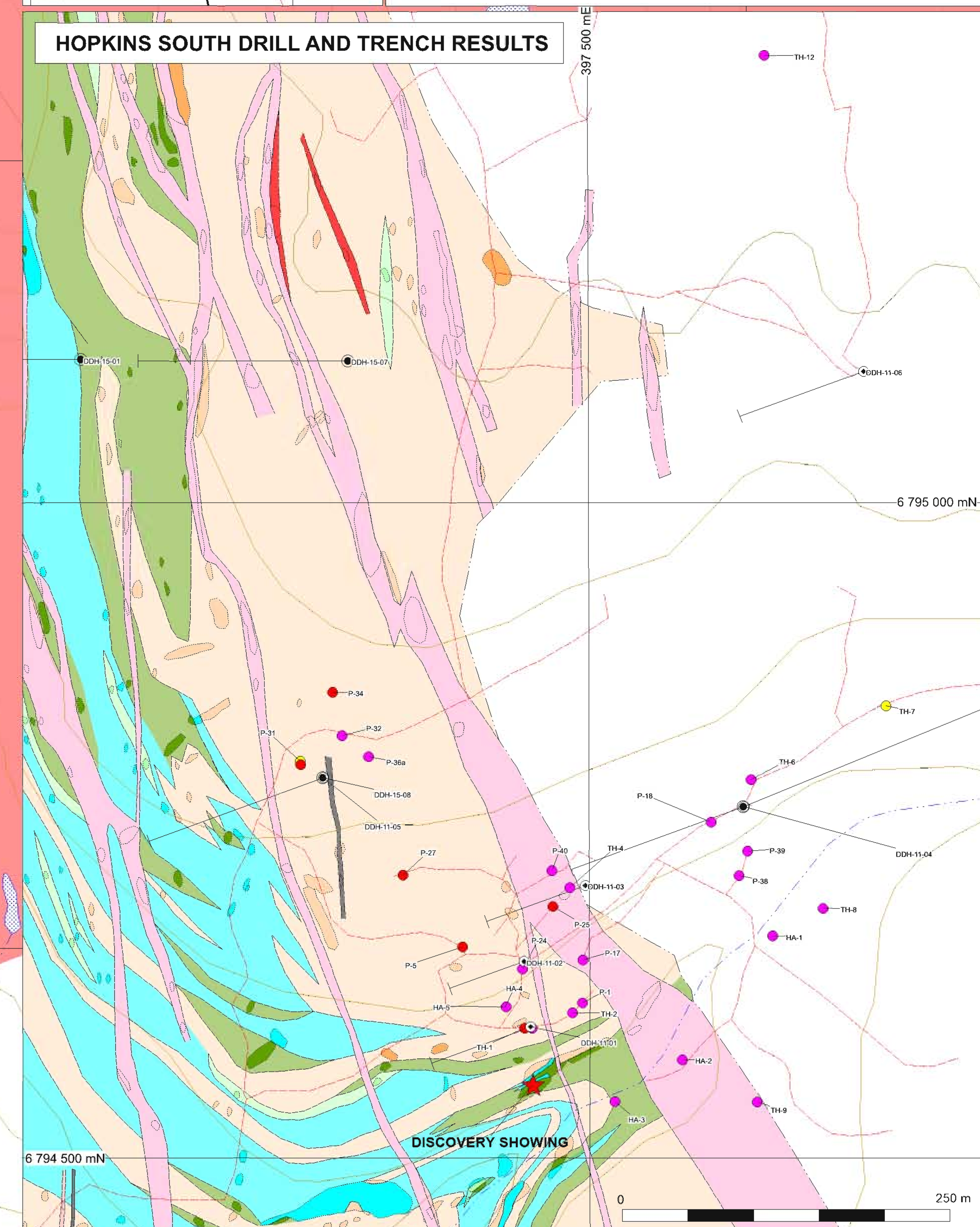
Hopkins South Zone

Rock Type	Sample No.	Sample Type	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Skarn	L865572	Chip (1 m)	0.14	0.847	1.13	2
Skarn	L865574	Chip (0.7 m)	0.38	0.004	2.27	25
Skarn	L865575	Chip (10.4 m)	0.45	0.326	2.17	2
Skarn	L865576					
Skarn	L865577					
Skarn	L865578					
Skarn	L865579	Chip (3.4 m)				
Skarn	L865580		0.51	0.52	6.79	9
Skarn	L865581	Chip (4.2 m)				
Skarn	L865582		0.33	0.30	5.87	12
Skarn	L865583	Chip (1.9 m)	0.42	0.306	2.56	1
Feldspar porphyry dyke	L865585	Chip (1.7 m)	0.13	0.031	2.5	13
Skarn	L865590	Chip (8.1 m)				
Skarn	L865591					
Skarn	L865592		0.23	0.06	2.06	278
Skarn	L865593	Chip (4.5 m)				
Skarn	L865594					
Skarn	L865595		0.32	1.31	6.47	5
Calc-silicate	L865596	Chip (1 m)	0.36	0.179	4.92	16
Skarn	L865598	Chip (3 m)	0.18	6.83	2.83	12
Skarn	L865812	Chip (3 m)	0.96	0.7	5.51	1
Skarn	L865813	Chip (1.2 m)	0.66	0.2	5.46	7
Micaceous quartzite	L865817	Specimen	0.14	0.011	0.33	466
Skarn	K269145	Specimen	0.16	0.037	1.58	3
Skarn	R608434*	Chip (1.4 m)	0.97	0.126	12.5	1

*2015 Rock Sample

After Stephen and Feulgen, 1989

HOPKINS SOUTH DRILL AND TRENCH RESULTS



Hole	From (m)	To (m)	Interval (m)	Copper (%)	Gold (g/t)	Silver (g/t)	Molybdenum (ppm)
TH-1	15.54	21.00	5.46	0.14	0.14	3.0	NR
TH-1	115.82	119.18	3.35	0.30	0.30	2.3	NR
TH-2	23.53	42.12	18.59	1.94	0.87	14.6	NR
TH-4	54.89	65.32	10.43	1.25	0.65	9.7	NR
TH-6	57.36	70.10	12.74	1.05	NR	NR	NR
TH-7	91.84	97.72	5.88	0.17	0.15	3.7	NR
TH-8	60.81	69.28	8.47	0.76	0.71	7.3	NR
including	62.79	67.09	4.30	1.27	0.81	10.6	NR
TH-9	53.34	66.96	13.62	0.42	0.30	4.8	NR
including	64.07	65.01	0.94	3.06	0.86	20.2	NR
TH-12	143.65	143.86	0.21	2.42	3.0	16.1	NR
TH-12	169.62	170.08	0.46	1.38	1.8	0.8	NR
TH-13	170.08	171.36	1.28	0.36	0.08	NR	NR
TH-15	111.80	114.79	2.99	0.20	0.19	3.4	NR
HA-1	52.38	53.69	1.31	2.70	0.86	35.7	NR
HA-1	59.61	60.71	1.10	3.72	0.80	18.7	NR
HA-1	101.24	104.18	2.94	0.45	0.32	4.4	NR
HA-2	23.09	30.88	7.79	1.98	0.67	14.4	NR
HA-3	14.63	17.51	2.88	0.56	0.20	7.0	NR
HA-4	19.28	20.61	2.29	1.29	0.35	10.5	NR
HA-4	24.95	29.96	5.01	0.62	0.33	13.6	NR
HA-5	22.97	25.08	2.11	0.54	0.23	4.7	NR
DDH-11-01	2.95	16.65	13.70	0.41	0.25	3.84	8.83
Including	9.69	12.02	2.33	1.24	0.87	12.95	2.18
	125.67	142.60	16.93	0.22	1.76	1.75	0.79
Including	125.67	133.17	7.50	0.43	3.35	3.55	1.34
Including	125.67	127.67	2.00	0.01	9.44	1.04	2.86
DDH-11-02	28.01	30.45	2.44	0.52	0.72	4.15	27.32
	36.58	39.25	2.67	1.18	0.56	11.62	4.15
DDH-11-03	58.28	66.78	8.50	1.62	0.54	9.30	1.48
	88.28	90.70	2.42	1.87	0.64	17.74	1.84
	130.00	132.45	2.45	0.72	0.18	6.79	3.48
DDH-11-04	57.39	62.53	5.15	0.95	0.84	5.64	1.54
	174.86	182.87	8.01	1.58	0.84	14.82	43.36
DDH-11-05	126.93	128.05	1.12	0.46	1.83	1.74	7.69
DDH-11-06	131.80	136.80	5.00	0.50	0.29	2.35	5.34
	276.35	278.01	1.66	0.68	0.40	5.21	2.49
	279.10	282.93	3.83	1.05	0.85	21.44	77.96
DDH-15-01	90.59	92.26	1.67	0.57	0.12	4.44	0.31
	284.29	286.94	2.65	0.95	12.15	5.45	3.24
DDH-15-02	82.07	91.09	9.02	0.24	0.12	1.55	32.15
	113.13	128.14	15.01	0.50	0.50	1.64	3.59
incl	121.70	128.14	6.44	1.00	1.01	3.86	3.99
	136.60	138.60	2.00	0.70	0.14	4.44	2.11
	150.85	151.85	1.00	0.45	1.00	2.08	5.54
	204.90	205.90	1.00	0.79	0.723	4.24	3.78
DDH-15-03	26.92	28.91	1.99	0.31	0.11	1.37	80.70
	125.3	128.29	2.99	0.28	0.34	1.65	135.00
	266.61	276.15	9.54	0.35	1.01	1.79	45.43
DDH-15-04	39.09	52.10	13.01	0.41	0.33	1.70	6.53
	196.97	211.40	14.43	0.60	1.11	2.86	183.88
	202.52	207.44	4.48	1.03	2.40	3.98	253.12
	325.24	498.91	173.67	0.01	0.00	0.09	157.57
DDH-15-05	113.88	276.73	162.85	0.17	0.02	2.08	34.26
incl	149.74	150.74	1.00	5.00	0.26	17.10	2730.00
and incl.	275.73	276.73	1.00	2.40	0.06	17.45	61.30
DDH-15-06	79.14	84.25	5.11	0.32	0.00	4.35	8.41
	110.73	112.15	1.42	0.36	0.02	4.08	3.44
	186.23	188.98	2.75	0.78	0.03	3.68	63.96
DDH-15-07	48.07	58.64	10.57	0.49	0.20	3.32	6.91
incl.	54.07	55.64	1.57	1.39	0.65	9.28	23.80
	60.96	70.42	9.46	0.12	0.01	2.21	3172.00
	349.17	351.98	2.81	1.25	0.08	0.23	1.76
	369.35	370.71	1.36	0.46	0.29	1.56	2.57
DDH-15-08°	336.66	337.66	1.00	0.06	43.6	1.07	53.30
	341.49	342.63	1.14	0.31	0.20	1.91	45.40
DDH-15-09°	339.33	340.33	1.00	0.67	0.17	3.93	83.70

NR not reported
°Re-entered and deepened holes DDH-11-05 and 04, respectively.

STRATEGIC METALS LTD.

FIGURE 8

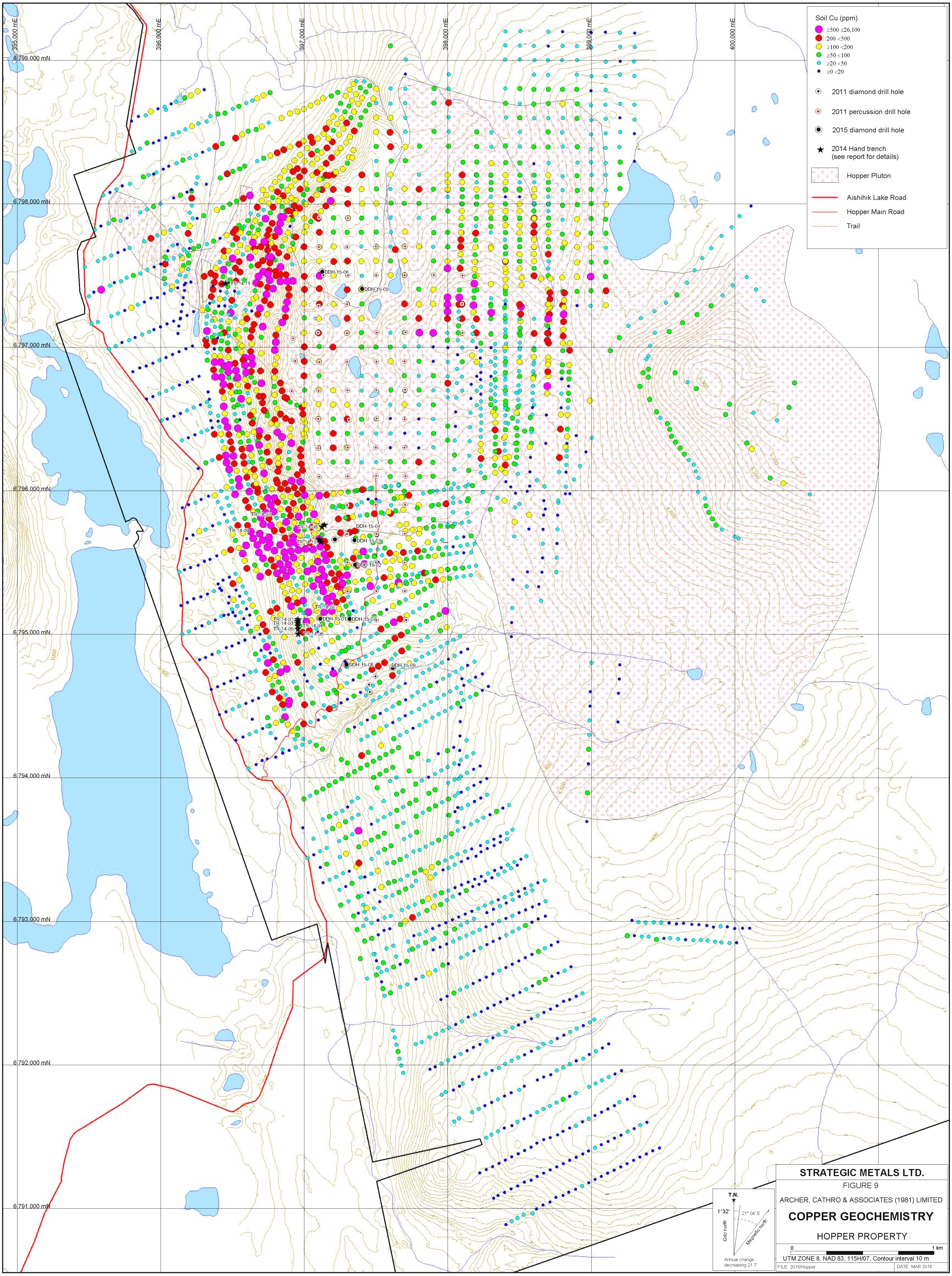
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

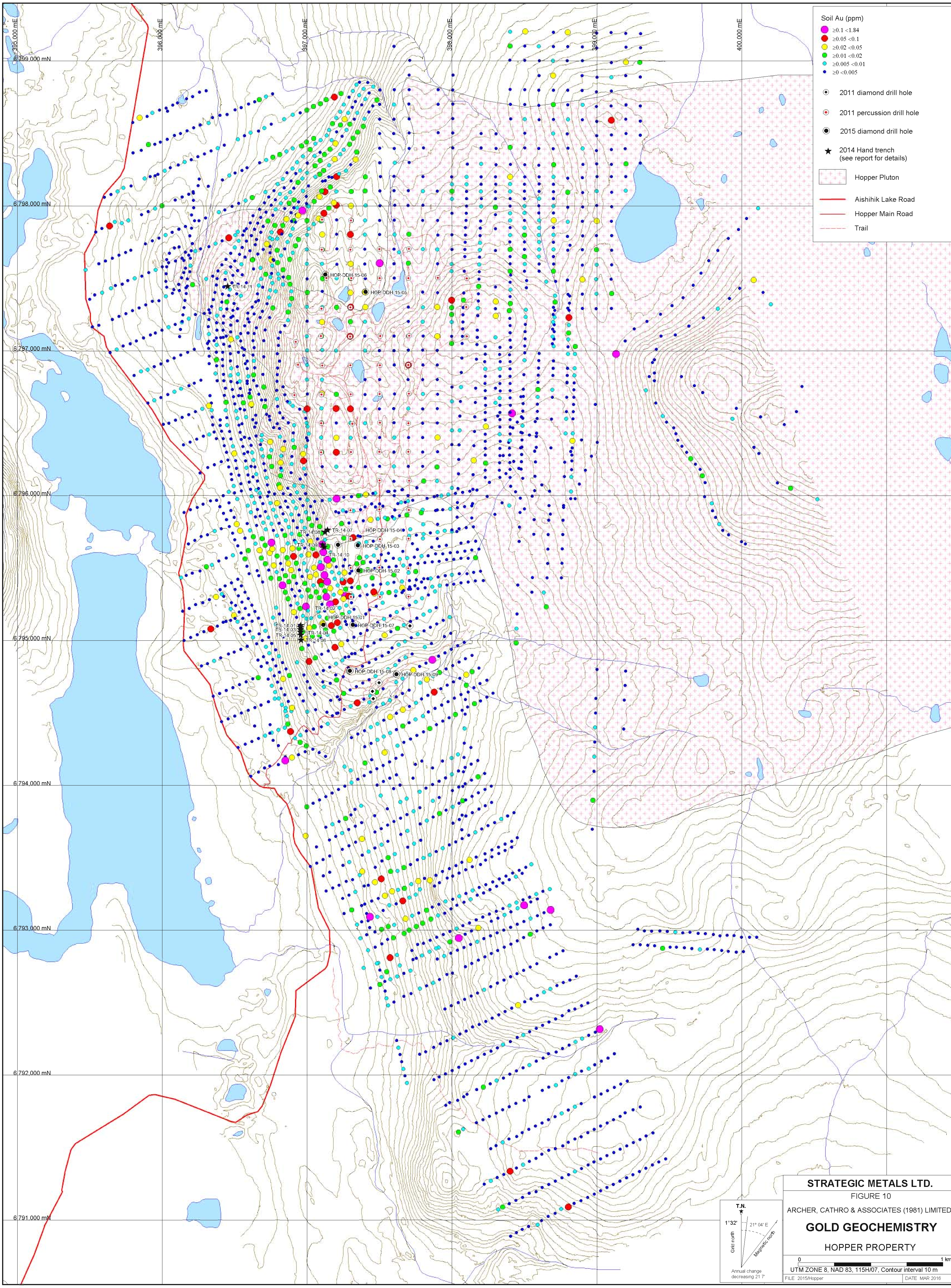
MINERALIZATION

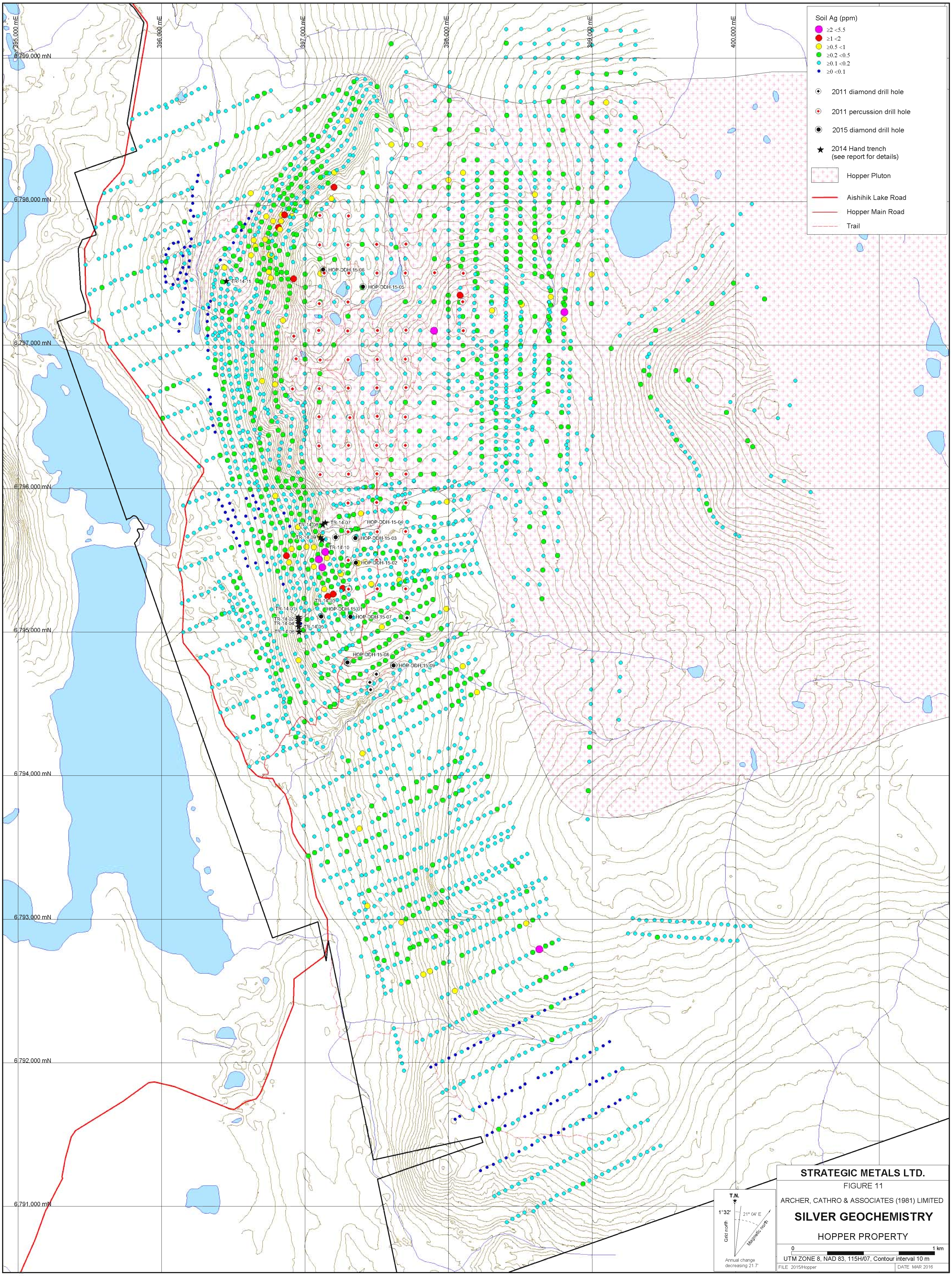
HOPPER PROPERTY

UTM ZONE 8, NAD 83, 105F-06, Contour line intervals 20 m

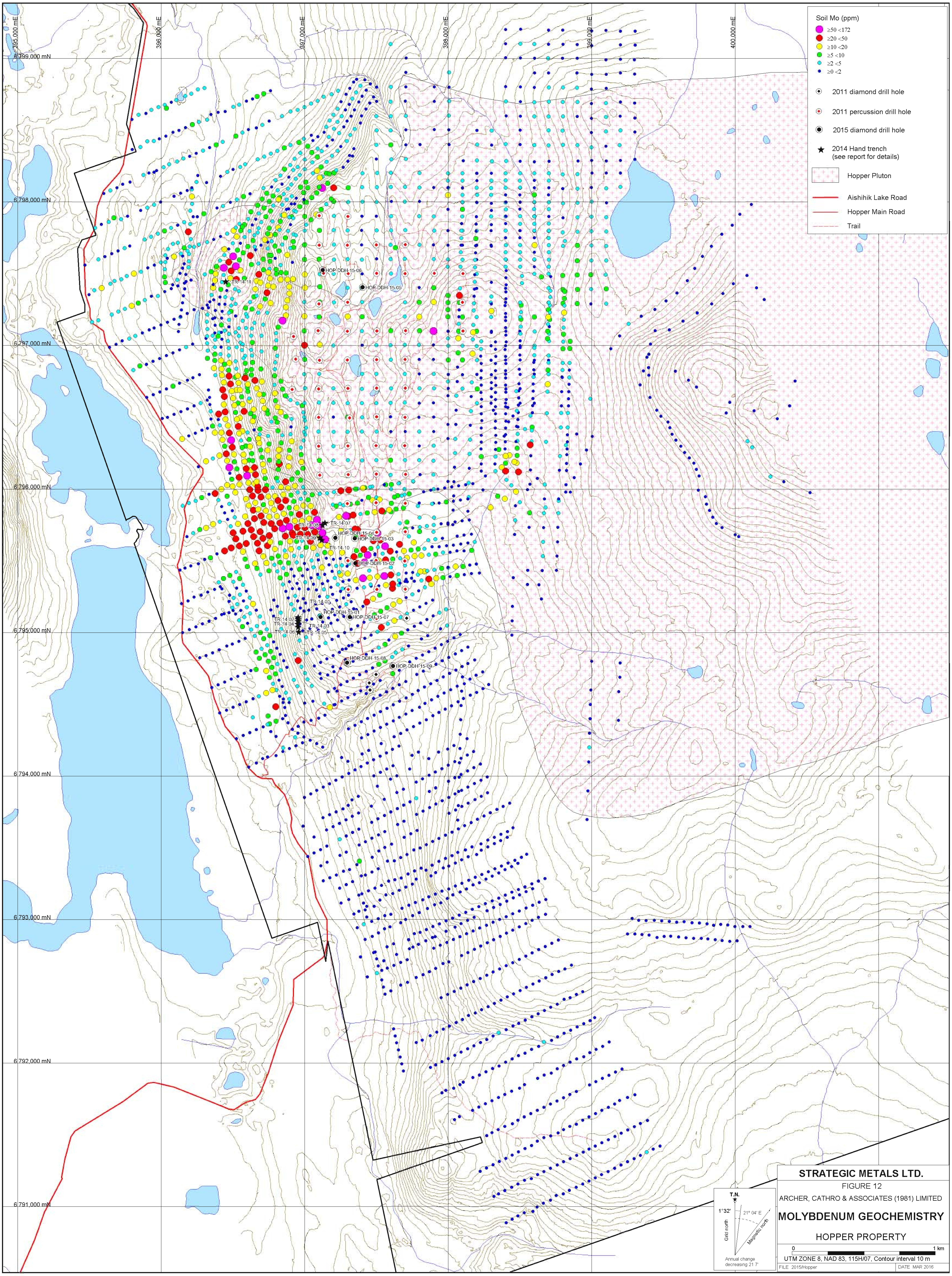
FILE: 2015/HOPPER DATE: MAR 2016

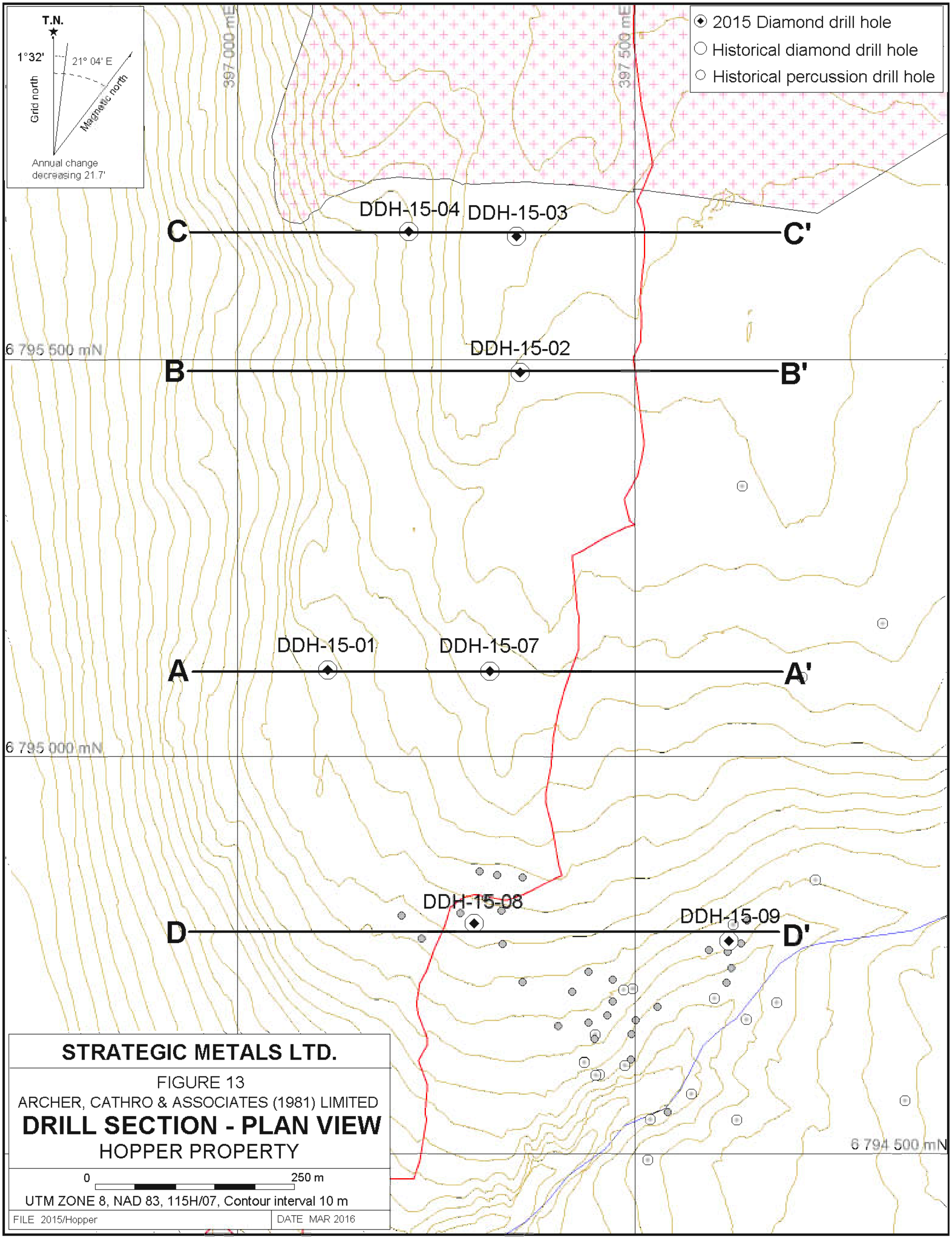

Soil Cu (ppm)
≥500 ≤26,100
200 <500
≥100 <200
≥50 <100
≥20 <50
≥0 <20
2011 diamond drill hole
2011 percussion drill hole
2015 diamond drill hole
2014 Hand trench
(see report for details)
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
DDH-15-01
DDH-15-02
DDH-15-03
DDH-15-04
DDH-15-05
DDH-15-06
DDH-15-07
DDH-15-08
DDH-15-09
TR-14-11
TR-14-07
TR-14-09
TR-14-10
TR-14-01
TR-14-03
TR-14-04
TR-14-05
TR-14-06
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change
decreasing 21 7'
STRATEGIC METALS LTD.
FIGURE 9
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COPPER GEOCHEMISTRY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016

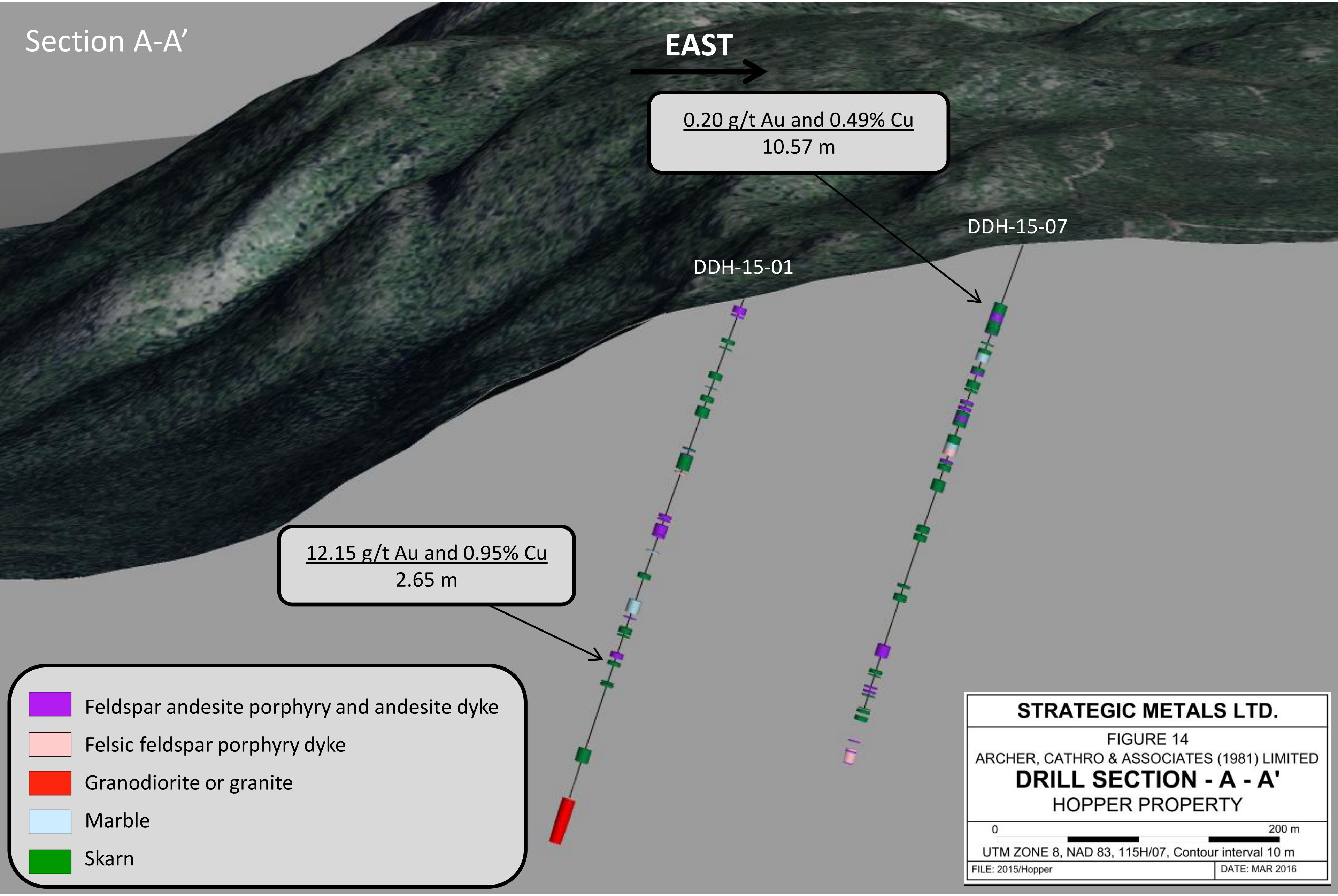

Soil Au (ppm)
≥0.1 <1.84
≥0.05 <0.1
≥0.02 <0.05
≥0.01 <0.02
≥0.005 <0.01
≥0 <0.005
2011 diamond drill hole
2011 percussion drill hole
2015 diamond drill hole
2014 Hand trench
(see report for details)
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-15-02
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-15-08
HOP-DDH-15-09
TR-14-11
TR-14-07
TR-14-10
TR-14-02
TR-14-06
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change
decreasing 21 7'
STRATEGIC METALS LTD.
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD GEOCHEMISTRY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016



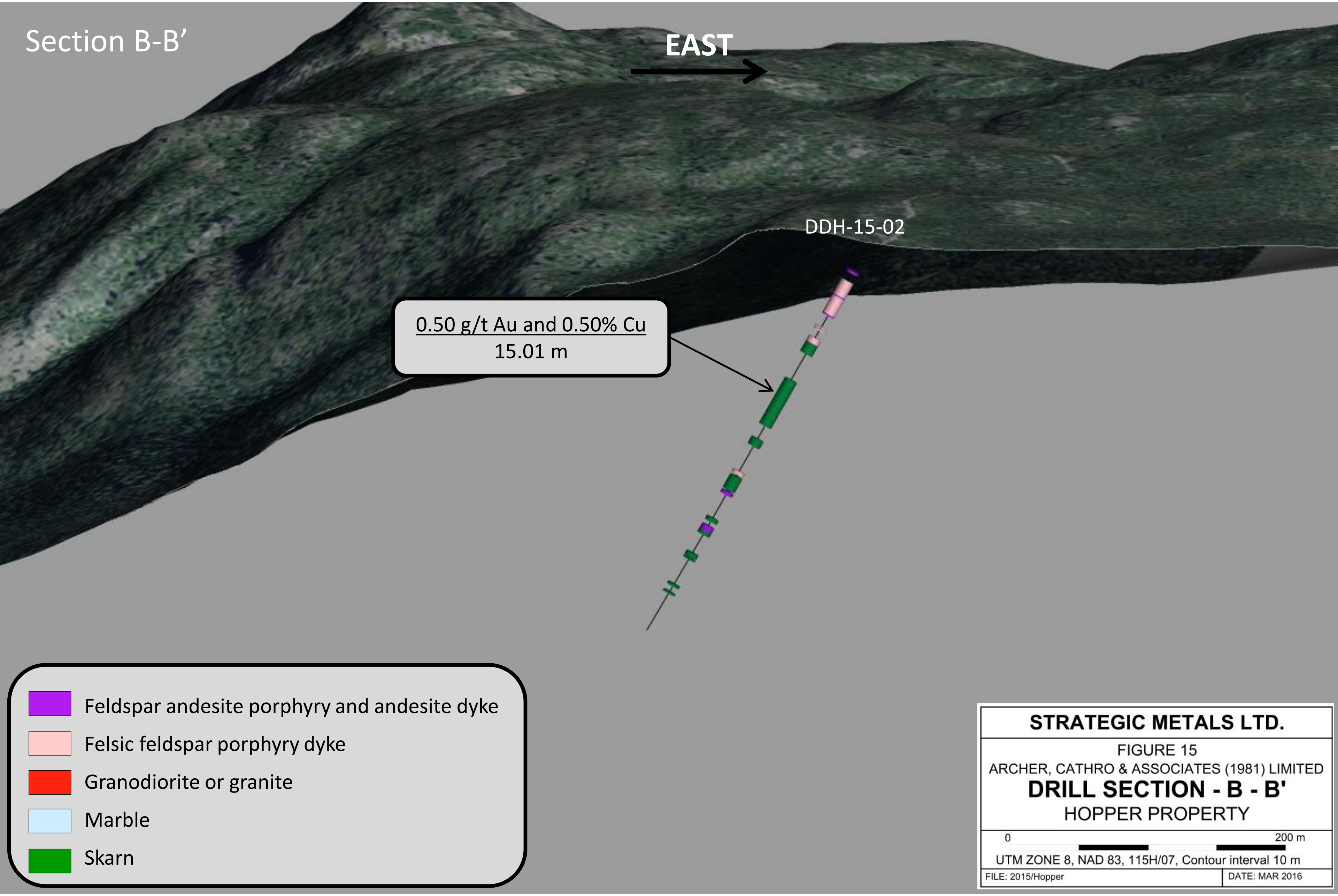
Soil Ag (ppm)
≥2 <5.5
≥1 <2
≥0.5 <1
≥0.2 <0.5
≥0.1 <0.2
≥0 <0.1
2011 diamond drill hole
2011 percussion drill hole
2015 diamond drill hole
2014 Hand trench (see report for details)
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
TR-14-11
HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-15-02
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-15-08
HOP-DDH-15-09
TR-14-07
TR-14-08
TR-14-09
TR-14-10
TR-14-03
TR-14-01
TR-14-02
TR-14-04
TR-14-05
TR-14-06
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'
STRATEGIC METALS LTD.
FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER GEOCHEMISTRY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016

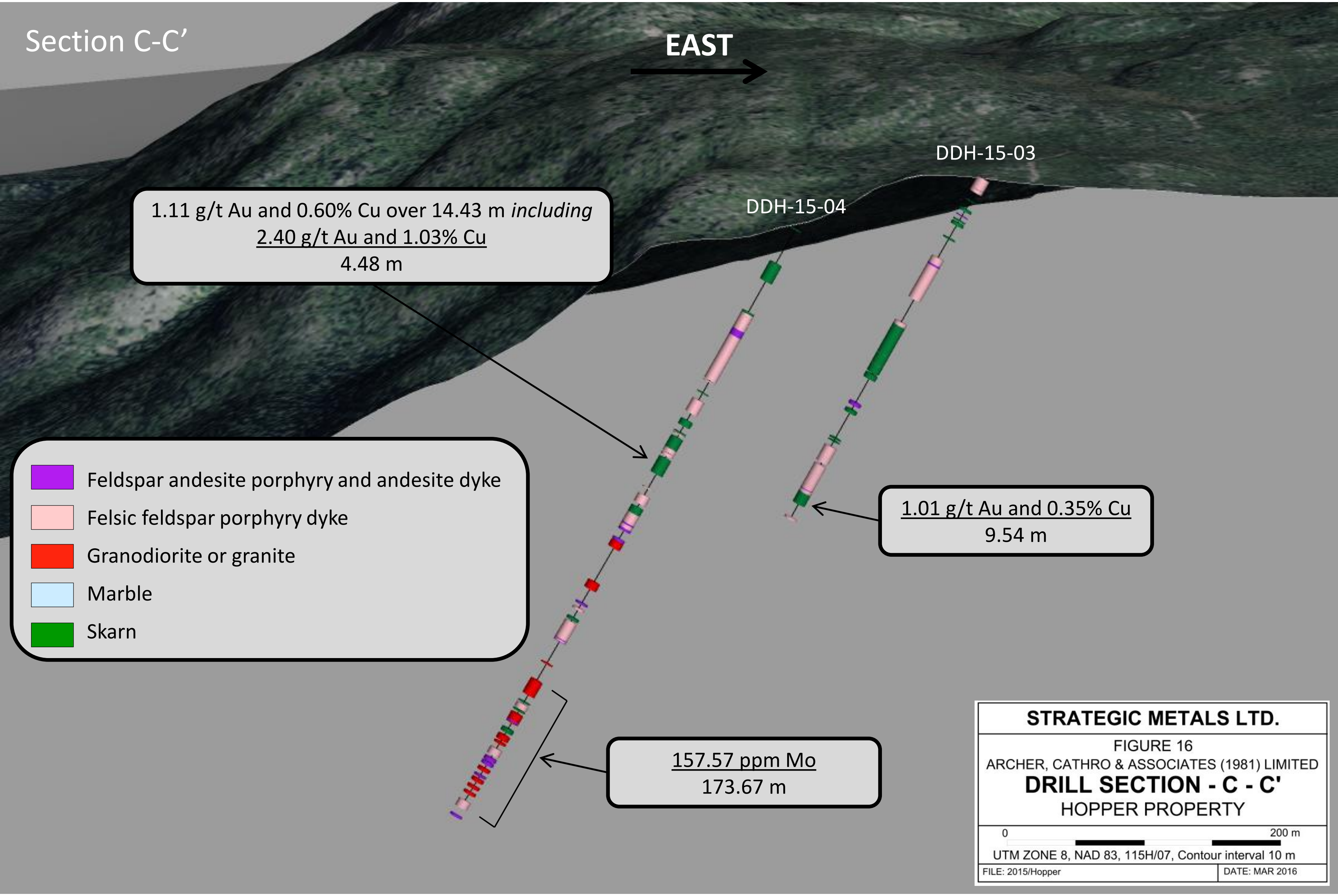

Soil Mo (ppm)
≥50 <172
≥20 <50
≥10 <20
≥5 <10
≥2 <5
≥0 <2
2011 diamond drill hole
2011 percussion drill hole
2015 diamond drill hole
2014 Hand trench
(see report for details)
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-15-02
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-15-08
HOP-DDH-15-09
TR-14-11
TR-14-07
TR-14-10
TR-14-05
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change
decreasing 21 7'
STRATEGIC METALS LTD.
FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
MOLYBDENUM GEOCHEMISTRY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016

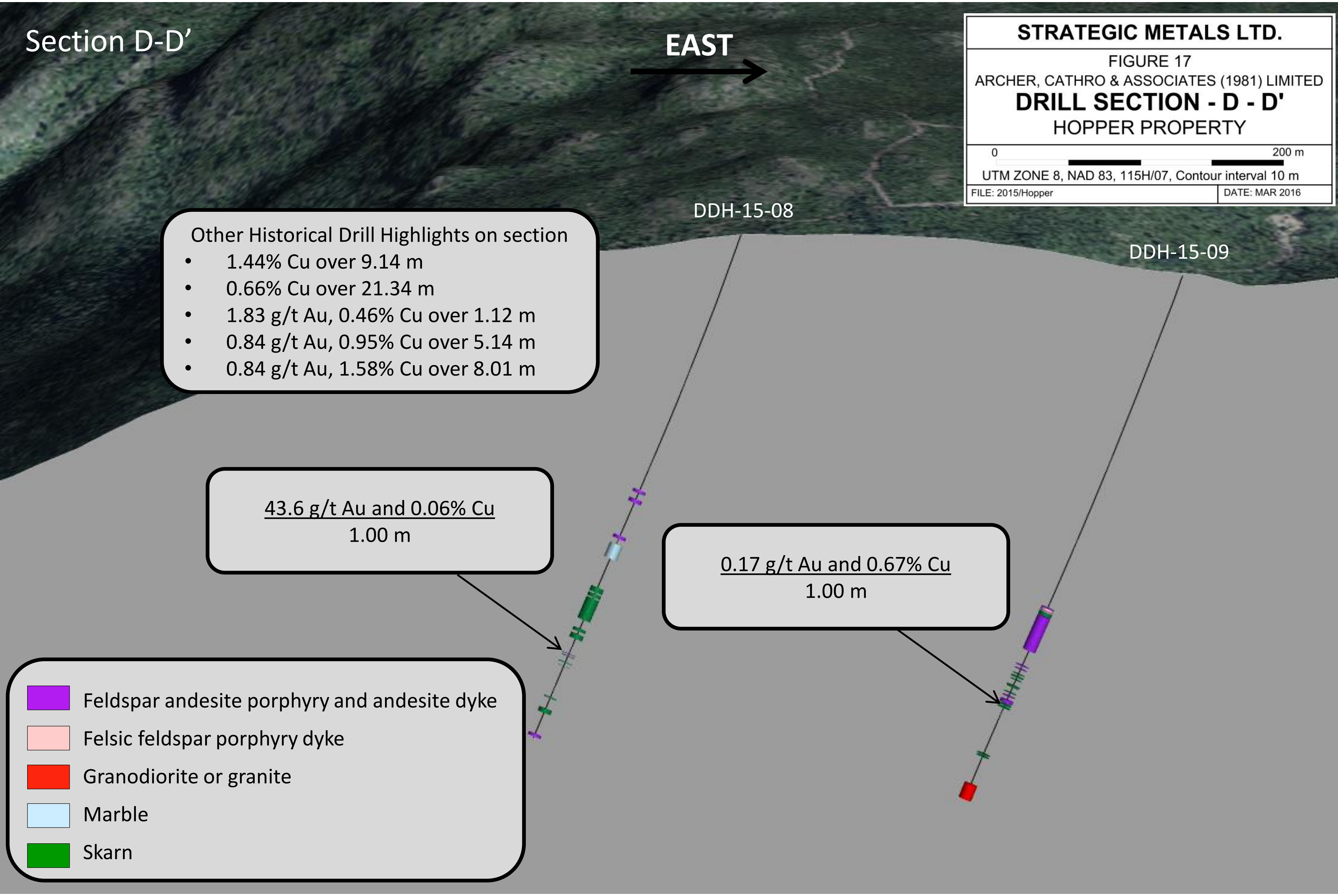

T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'
397 000 mE
397 500 mE
2015 Diamond drill hole
Historical diamond drill hole
Historical percussion drill hole
DDH-15-04
DDH-15-03
C
C'
6 795 500 mN
DDH-15-02
B
B'
DDH-15-01
DDH-15-07
A
A'
6 795 000 mN
DDH-15-08
DDH-15-09
D
D'
6 794 500 mN
STRATEGIC METALS LTD.
FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL SECTION - PLAN VIEW
HOPPER PROPERTY
0
250 m
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016



Section A-A'
EAST
0.20 g/t Au and 0.49% Cu
10.57 m
DDH-15-07
DDH-15-01
12.15 g/t Au and 0.95% Cu
2.65 m
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Marble
Skarn
STRATEGIC METALS LTD.
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL SECTION - A - A'
HOPPER PROPERTY
0
200 m
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE: 2015/Hopper
DATE: MAR 2016

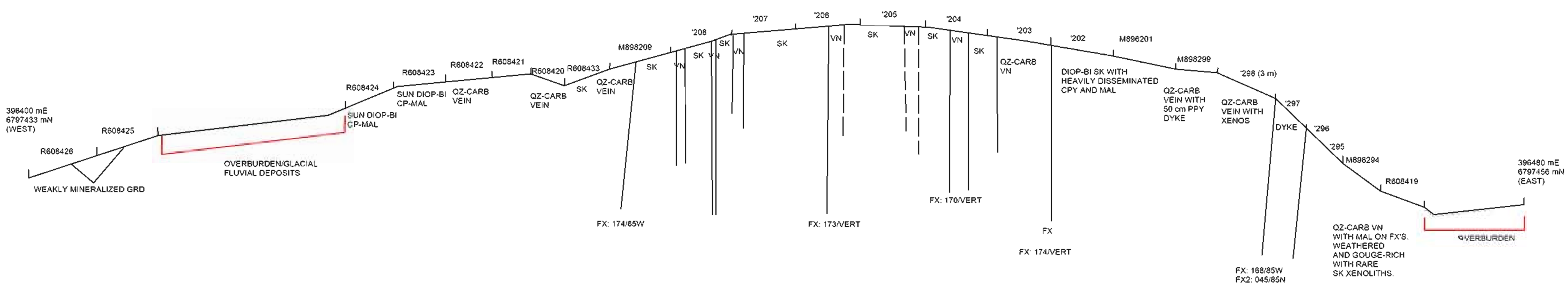

Section B-B'
EAST
DDH-15-02
0.50 g/t Au and 0.50% Cu
15.01 m
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Marble
Skarn
STRATEGIC METALS LTD.
FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL SECTION - B - B'
HOPPER PROPERTY
0
200 m
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE: 2015/Hopper
DATE: MAR 2016


Section C-C’
EAST
DDH-15-03
DDH-15-04
1.11 g/t Au and 0.60% Cu over 14.43 m *including*
2.40 g/t Au and 1.03% Cu
4.48 m
1.01 g/t Au and 0.35% Cu
9.54 m
157.57 ppm Mo
173.67 m
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Marble
Skarn
STRATEGIC METALS LTD.
FIGURE 16
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL SECTION - C - C'
HOPPER PROPERTY
0
200 m
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE: 2015/Hopper
DATE: MAR 2016



Section D-D’
EAST
STRATEGIC METALS LTD.
FIGURE 17
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DRILL SECTION - D - D'
HOPPER PROPERTY
0
200 m
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE: 2015/Hopper
DATE: MAR 2016
DDH-15-08
DDH-15-09
Other Historical Drill Highlights on section
• 1.44% Cu over 9.14 m
• 0.66% Cu over 21.34 m
• 1.83 g/t Au, 0.46% Cu over 1.12 m
• 0.84 g/t Au, 0.95% Cu over 5.14 m
• 0.84 g/t Au, 1.58% Cu over 8.01 m
43.6 g/t Au and 0.06% Cu
1.00 m
0.17 g/t Au and 0.67% Cu
1.00 m
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Marble
Skarn

Cross-section facing north



Sample	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
M898294	**0.11**	0.008	0.54	74.6
M898295	0.04	0.003	0.21	8.0
M898296	**0.42**	0.014	2.55	210.0
M898297	**0.32**	0.018	1.26	294.0
M898298	**0.74**	0.034	3.64	111.5
M898299	**0.28**	0.009	1.24	55.6
M896201	**0.42**	0.042	1.38	52.4
M896202	**0.84**	**0.179**	3.82	53.5
M896203	**0.54**	**0.115**	2.01	52.8
M896204	**0.27**	**0.169**	1.18	50.0
M896205	**0.25**	0.029	0.99	11.9
M896206	0.09	0.013	0.43	21.4
M896207	0.09	0.012	0.47	7.2
M896208	**0.13**	0.010	0.55	42.2
M896209	**0.33**	0.089	2.52	3.8
R608419	**0.23**	0.035	1.13	146.5
R608420	0.07	0.004	0.42	26.6
R608421	**0.29**	0.031	1.99	15.0
R608422	**0.31**	0.029	1.31	60.6
R608423	**0.35**	0.085	1.65	40.5
R608424	**1.90**	**0.197**	8.16	79.6
R608425	0.04	0.006	0.19	14.4
R608426	0.04	0.002	0.19	9.7
R608433	**0.51**	**0.107**	2.65	14.5

PPY - Porphyry
Diop - diopside
Act - actinolite
Trem - tremolite
Chl - chlorite
Qz - quartz
Bi - biotite
Calc-sil - calc-silicate
Carb - carbonate
Gar - garnet
Mag - magnetite
Cpy - chalopyrite
Mo - molybdenum
SCH - schist
ANDS - andesite
QZT - quartzite
GDR - granodiorite
VN - vein
SK - skarn
LV, JG Zone - mineralized zone
MAL - malachite
SCOR - scorodite

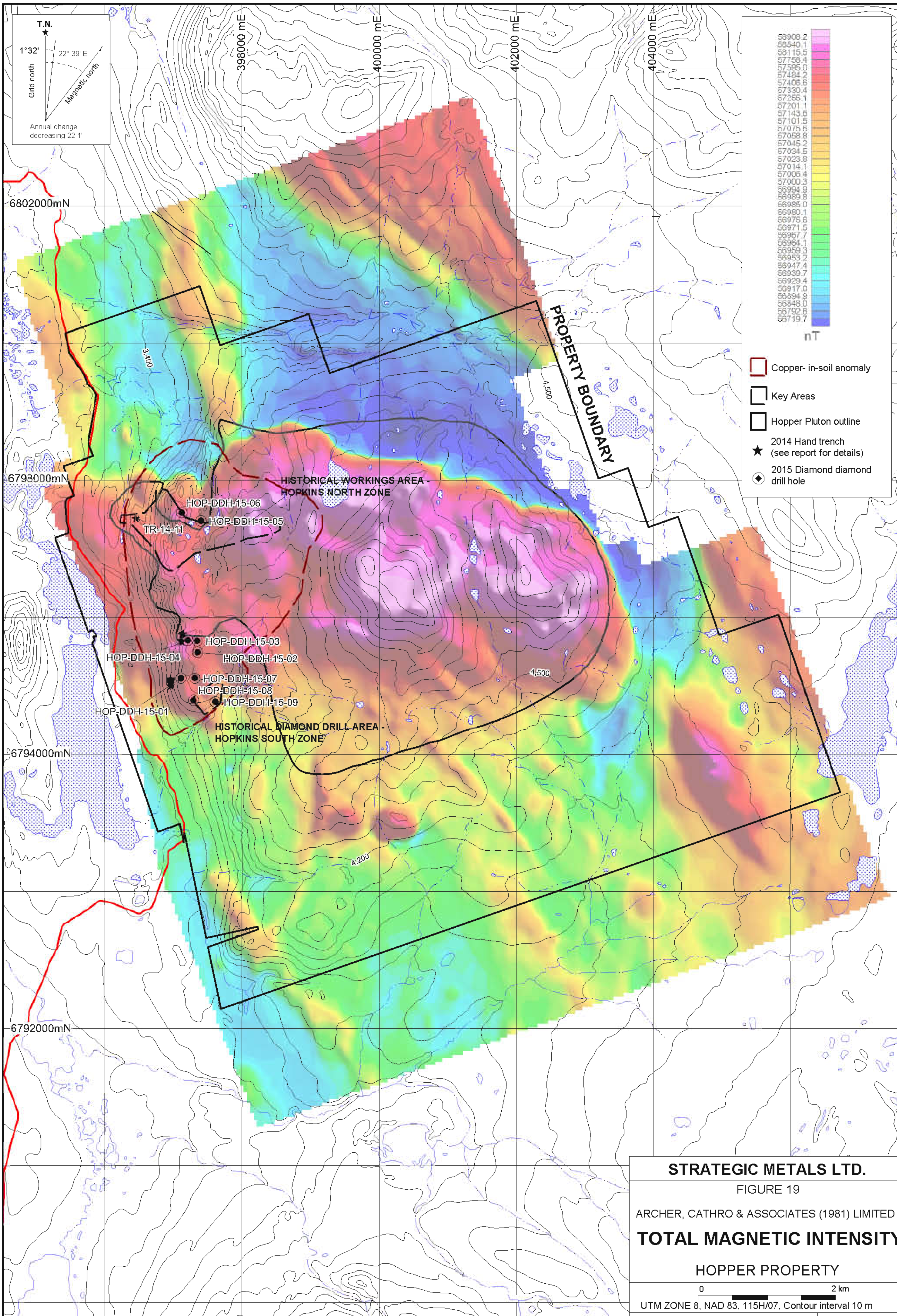
STRATEGIC METALS LTD.
FIGURE 18
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

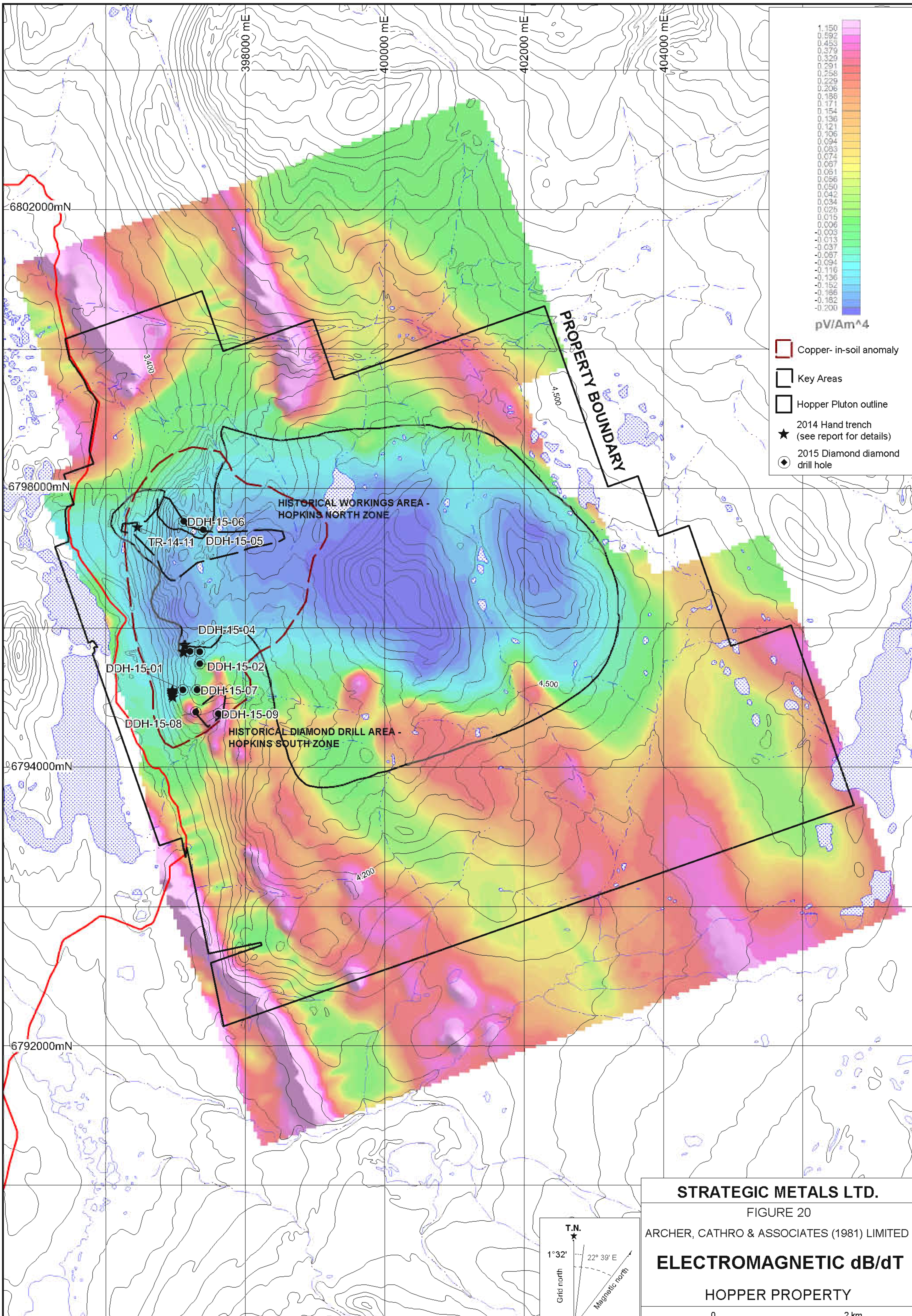
TR-14-11

HOPPER PROPERTY

0 4 m

FILE: .../2015/HOPPER | DATE: MAR 2016


T.N.
1°32'
22° 39' E
Grid north
Magnetic north
Annual change decreasing 22 1'
398000 mE
400000 mE
402000 mE
404000 mE
6802000mN
6798000mN
6794000mN
6792000mN
PROPERTY BOUNDARY
3,400
4,500
4,200
HISTORICAL WORKINGS AREA - HOPKINS NORTH ZONE
HISTORICAL DIAMOND DRILL AREA - HOPKINS SOUTH ZONE
HOP-DDH-15-06
HOP-DDH-15-05
TR-14-11
HOP-DDH-15-03
HOP-DDH-15-04
HOP-DDH-15-02
HOP-DDH-15-07
HOP-DDH-15-08
HOP-DDH-15-09
HOP-DDH-15-01
58908.2
58540.1
58115.5
57758.4
57595.0
57484.2
57406.6
57330.4
57255.1
57201.1
57143.6
57101.5
57075.6
57058.8
57045.2
57034.5
57023.8
57014.1
57006.4
57000.3
56994.9
56989.8
56985.0
56980.1
56975.6
56971.5
56967.7
56964.1
56959.3
56953.2
56947.4
56939.7
56929.4
56917.0
56894.9
56848.0
56792.6
56719.7
nT
Copper- in-soil anomaly
Key Areas
Hopper Pluton outline
2014 Hand trench (see report for details)
2015 Diamond diamond drill hole
STRATEGIC METALS LTD.
FIGURE 19
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TOTAL MAGNETIC INTENSITY
HOPPER PROPERTY
0
2 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE 2015/Hopper
DATE MAR 2016



STRATEGIC METALS LTD.

FIGURE 20

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ELECTROMAGNETIC dB/dT

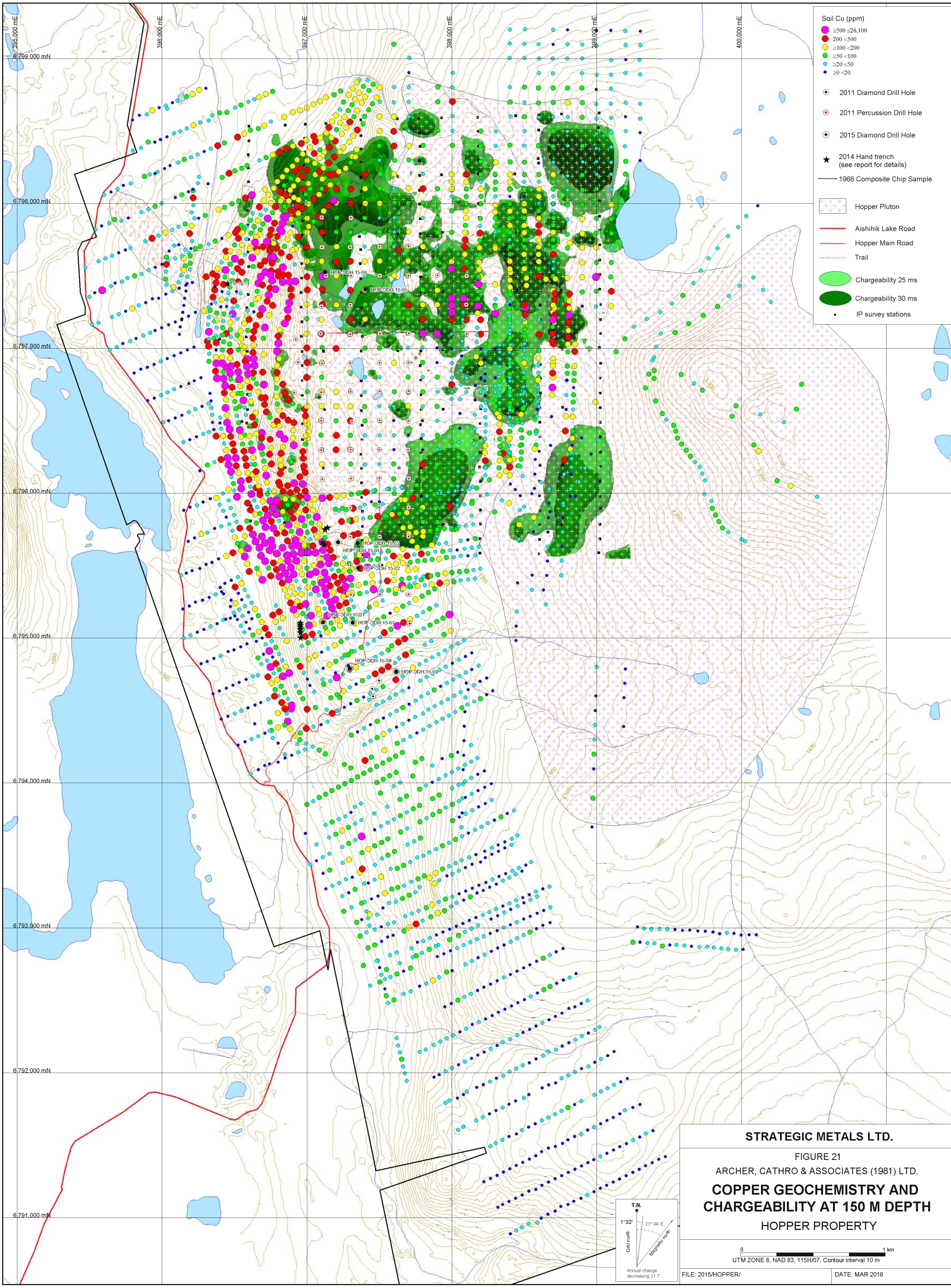
HOPPER PROPERTY

0 2 km

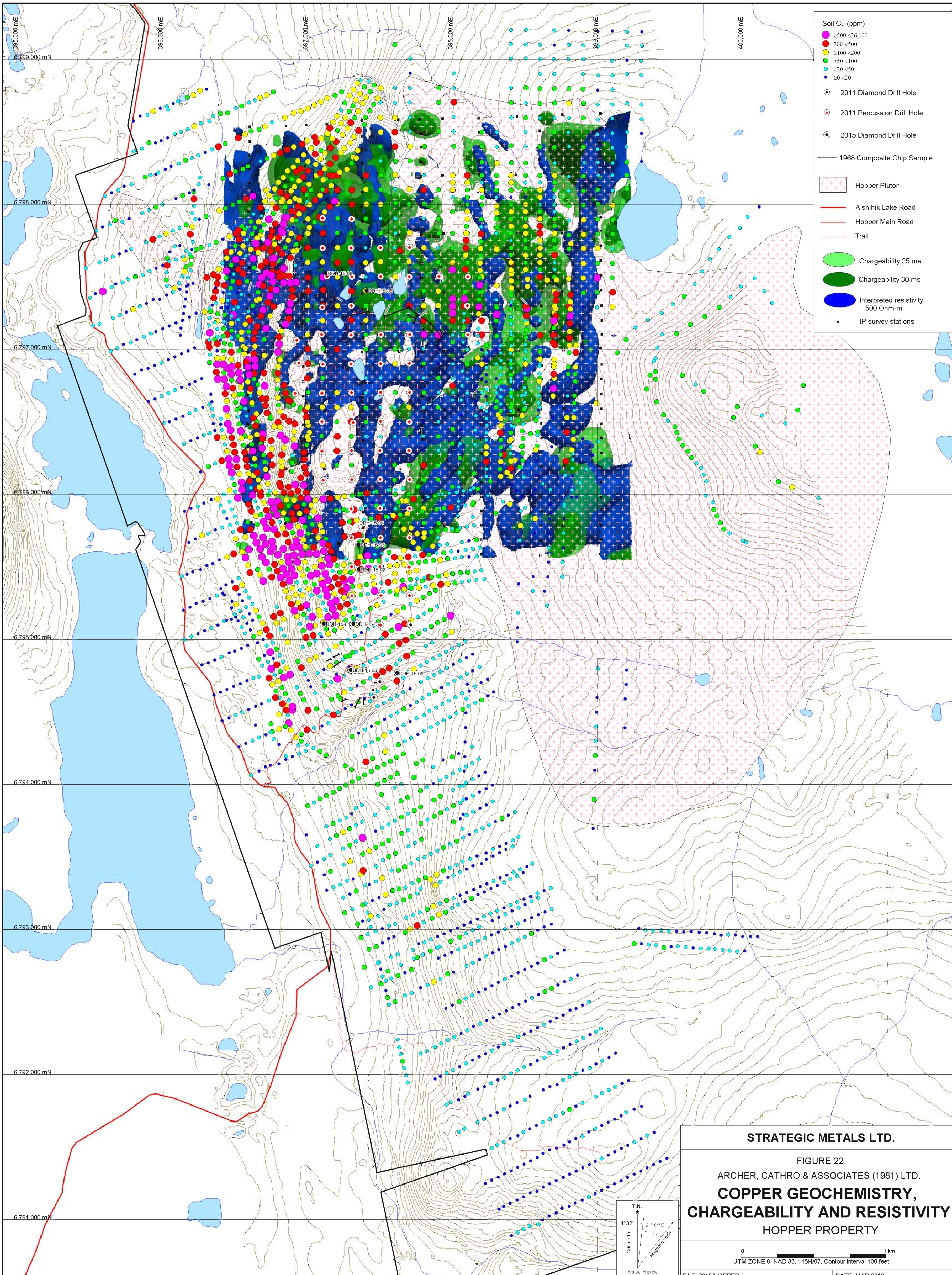
UTM ZONE 8, NAD 83, 115H/07, Contour interval 100 feet

FILE 2015/Hopper

DATE MAR 2016



395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-03
HOP-DDH-15-04
HOP-DDH-15-02
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-15-08
HOP-DDH-15-09
Soil Cu (ppm)
≥500 ≤26,100
200 <500
≥100 <200
≥50 <100
≥20 <50
≥0 <20
2011 Diamond Drill Hole
2011 Percussion Drill Hole
2015 Diamond Drill Hole
2014 Hand trench
(see report for details)
1968 Composite Chip Sample
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
Chargeability 25 ms
Chargeability 30 ms
IP survey stations
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change
decreasing 21 7'
STRATEGIC METALS LTD.
FIGURE 21
ARCHER, CATHRO & ASSOCIATES (1981) LTD.
COPPER GEOCHEMISTRY AND
CHARGEABILITY AT 150 M DEPTH
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m
FILE: 2015/HOPPER/
DATE: MAR 2016


Soil Cu (ppm)
≥500 ≤26,100
200 <500
≥100 <200
≥50 <100
≥20 <50
≥0 <20
2011 Diamond Drill Hole
2011 Percussion Drill Hole
2015 Diamond Drill Hole
1968 Composite Chip Sample
Hopper Pluton
Aishihik Lake Road
Hopper Main Road
Trail
Chargeability 25 ms
Chargeability 30 ms
Interpreted resistivity 500 Ohm-m
IP survey stations
395,000 mE
396,000 mE
397,000 mE
398,000 mE
399,000 mE
400,000 mE
6,799,000 mN
6,798,000 mN
6,797,000 mN
6,796,000 mN
6,795,000 mN
6,794,000 mN
6,793,000 mN
6,792,000 mN
6,791,000 mN
DDH-15-01
DDH-15-02
DDH-15-03
DDH-15-04
DDH-15-05
DDH-15-06
DDH-15-07
DDH-15-08
DDH-15-09
T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'
STRATEGIC METALS LTD.
FIGURE 22
ARCHER, CATHRO & ASSOCIATES (1981) LTD.
COPPER GEOCHEMISTRY, CHARGEABILITY AND RESISTIVITY
HOPPER PROPERTY
0
1 km
UTM ZONE 8, NAD 83, 115H/07, Contour interval 100 feet
FILE: 2015/HOPPER
DATE: MAR 2016