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ASSESSMENT REPORT

describing

HERITAGE STUDIES, ROAD CONTRUCTION AND DIAMOND DRILLING

Field work performed on July 12, from August 2 to 8 and from September 2 to 30, 2016

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

A. Mitchell, B.Sc. GIT

November 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 heritage studies, road construction and diamond drilling conducted on July 12, between August 2 and 8 and from September 2 to 30, 2016. 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. The author's Statement of Qualifications is provided in Appendix I, and a Statement of Expenditures appears 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, 2036
21-162	YC47017-YC47158	February 15, 2034
163-168	YC65915-YC65920	February 15, 2036
170	YC47159	February 15, 2034
171-266	YD123011-YD123106	February 15, 2034
267-342	YF28607-YD28682	February 15, 2034
Gal 1-8	YC65907-YC65914	February 15, 2036
Guy 1-16	YC19466-YC19481	February 15, 2036

* Expiry dates include 2016 work which has been accepted for assessment credit.

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. The property does not overlie first nation settlement lands, but two blocks of Category "A" lands and three small parcels of Category "B" lands lie directly to the west.

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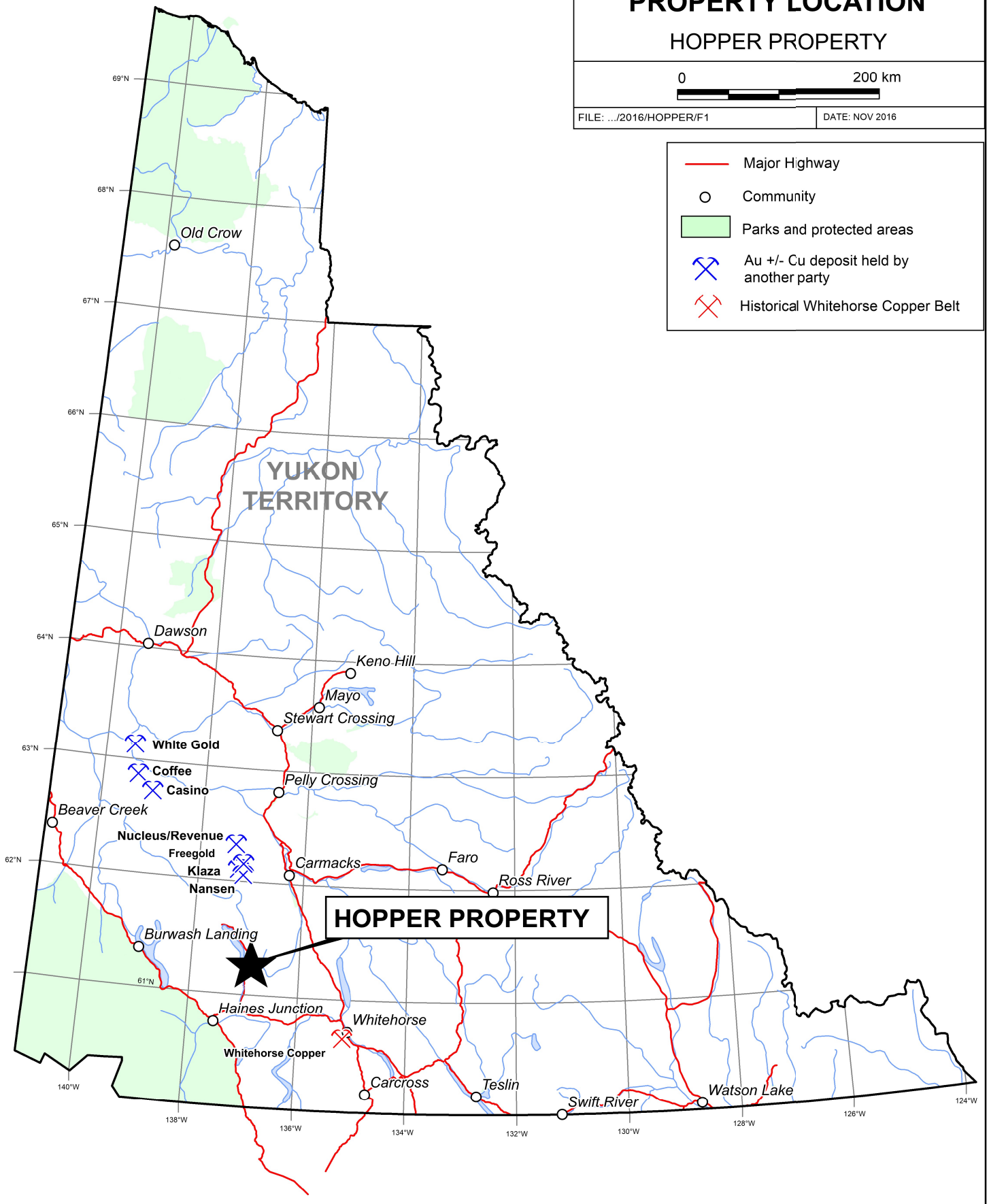
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

HOPPER PROPERTY

0 200 km

FILE: .../2016/HOPPER/F1 | DATE: NOV 2016



T.N.
1°32'
21° 14' E
Grid north
Magnetic north
Annual change decreasing 22'

396000 mE
398000 mE
400000 mE
404000 mE
406000 mE
6798000 mN
6796000 mN
6794000 mN
6792000 mN

PROPERTY BOUNDARY

HOPKINS LAKE
AISHIHIK LAKE
LONG LAKE
FRANKLIN CREEK
AISHIHIK LAKE ROAD

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

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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:2016/Hopper.../Hopper_F_2_Claim_Locations.wor
DATE: NOV 2016

HISTORY AND PREVIOUS WORK

From 1907 to 1967, intermittent, poorly documented 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.
2015	Strategic Metals Ltd.	Hopper, Guy and Gal	Prospecting, hand trenching, diamond drilling and preliminary metallurgical testwork.	Chip sampling across a large screen/xenolith consisting of alternating vertical bands of mineralized skarn and quartz-carbonate veins averaged 0.43% copper, 0.06 g/t gold and 1.83 g/t silver over 51.3 m. Diamond drilling cut 12.95 g/t over 2.65 m and 43.00 g/t over 1.00 m in the Hopkins South Zone. One hole that tested the porphyry potential in the Hopkins North Zone averaged 0.17% copper over 162.85 m.

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 describes 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.

In summer 2015, Strategic Metals carried out prospecting, hand trenching and diamond drilling. A total 3227 m of diamond drilling were completed in nine holes. Later that year, preliminary metallurgical testwork was conducted on 10 coarse assay reject samples of core comprising

mineralized skarn at the Blue Coast Research metallurgical facility (Mitchell, 2016). Results from this work are summarized in the appropriate sections below.

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 different 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. This glacial till 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

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FIGURE 4

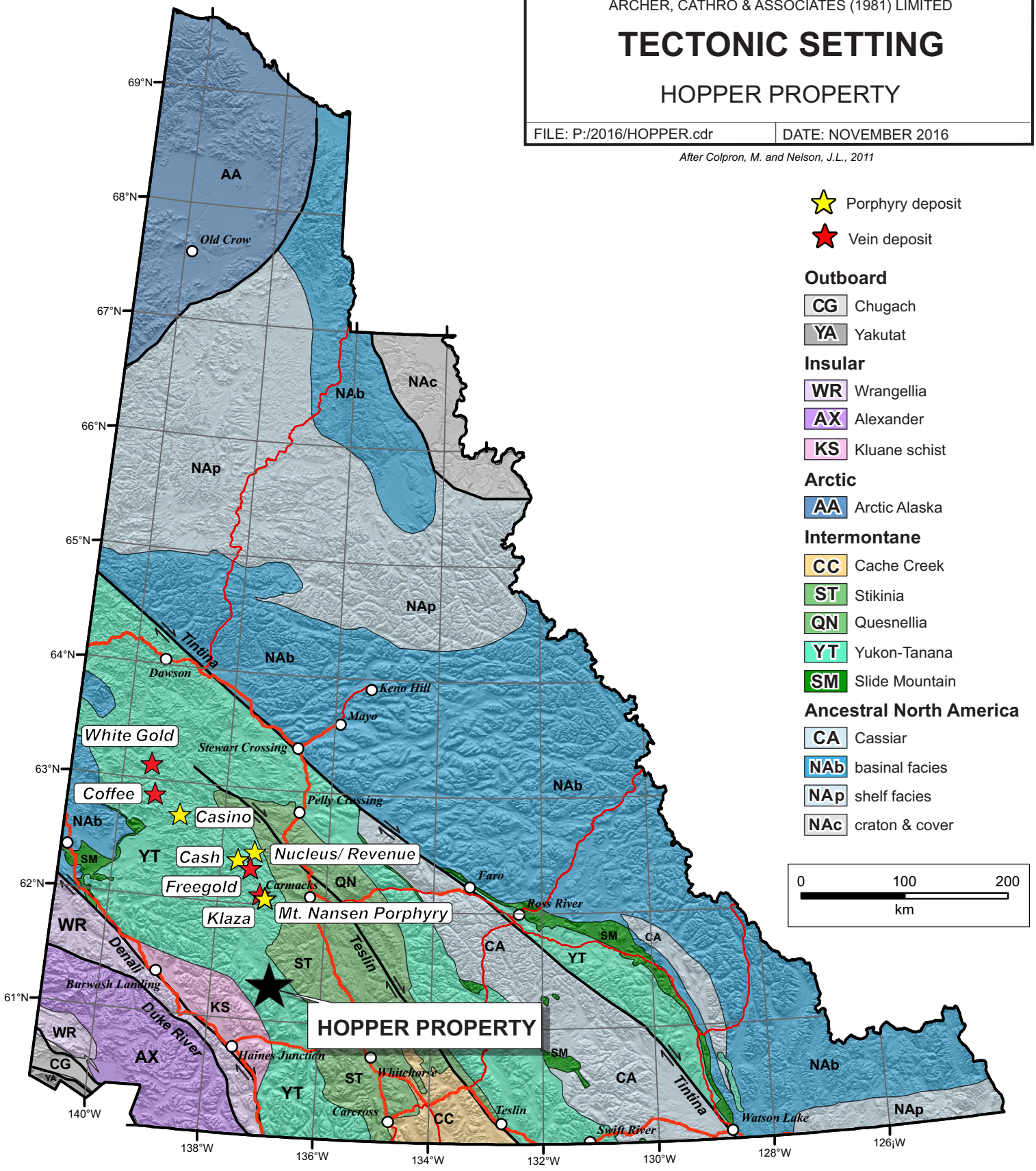
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

HOPPER PROPERTY

FILE: P:/2016/HOPPER.cdr | DATE: NOVEMBER 2016

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



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 megacrystic; minor coarse grained gabbro; plagioclase, quartz ± k-spar pegmatite dykes 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 dykes and sills belonging to the Paleocene Rhyolite Creek Volcanoplutonic Complex and Late Cretaceous Aishihik Dikes, 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.

Late Cretaceous – Casino Suite (LKc):

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.

Paleocene – Rhyolite Creek Volcanoplutonic Complex (PRp):

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.

Paleocene – Rhyolite Creek Volcanoplutonic Complex (PRv):

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 sulphides (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. No rock samples were collected in 2016.

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, 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 010º to 040º and dips 60º to 75º 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

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	L865807	Specimen	0.18	0.018	1.51	24

vein						
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

No rocks were collected from Hopkins North Zone in 2016.

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 where 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 1200 m and up to 700 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

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

Rock Type (year)	Sample Number	Sample Type (Length)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Skarn (2014)	M898221	Specimen	0.45	0.039	2.5	6
Skarn (2013)	L865572	Chip (1 m)	0.14	0.847	1.13	2
Skarn (2013)	L865574	Chip (0.7 m)	0.38	0.004	2.27	25
Skarn (2013)	L865575	Chip (10.4 m)	0.45	0.326	2.17	2
Skarn (2013)	L865576					
Skarn (2013)	L865577					
Skarn (2013)	L865578					
Skarn (2013)	L865579	Chip (3.4 m)	0.51	0.52	6.79	9
Skarn (2013)	L865580					
Skarn (2013)	L865581	Chip (4.2 m)	0.33	0.30	5.87	12
Skarn (2013)	L865582					
Skarn (2013)	L865583	Chip (1.9 m)	0.42	0.306	2.56	1

Skarn (2013)	L865590	Chip (8.1 m)	0.23	0.06	2.06	278
Skarn (2013)	L865591					
Skarn (2013)	L865592					
Skarn (2013)	L865593	Chip (4.5 m)	0.32	1.31	6.47	5
Skarn (2013)	L865594					
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

No rock samples were collected from the Hopkins South Zone in 2016.

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 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 on Figures 9 to 12, respectively. No soil samples were collected in 2016. 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	1840
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 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 and 2016 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, 2015 and 2016 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 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. All of the objectives of the program were successfully met.

In 2016, a seven hole, 2160 m drill program was conducted at Hopkins South Zone. Step-out drilling was completed in various parts of the zone to test the continuity of mineralization and document changes in alteration assemblages in different skarn horizons, up and down dip and along the length of the zone.

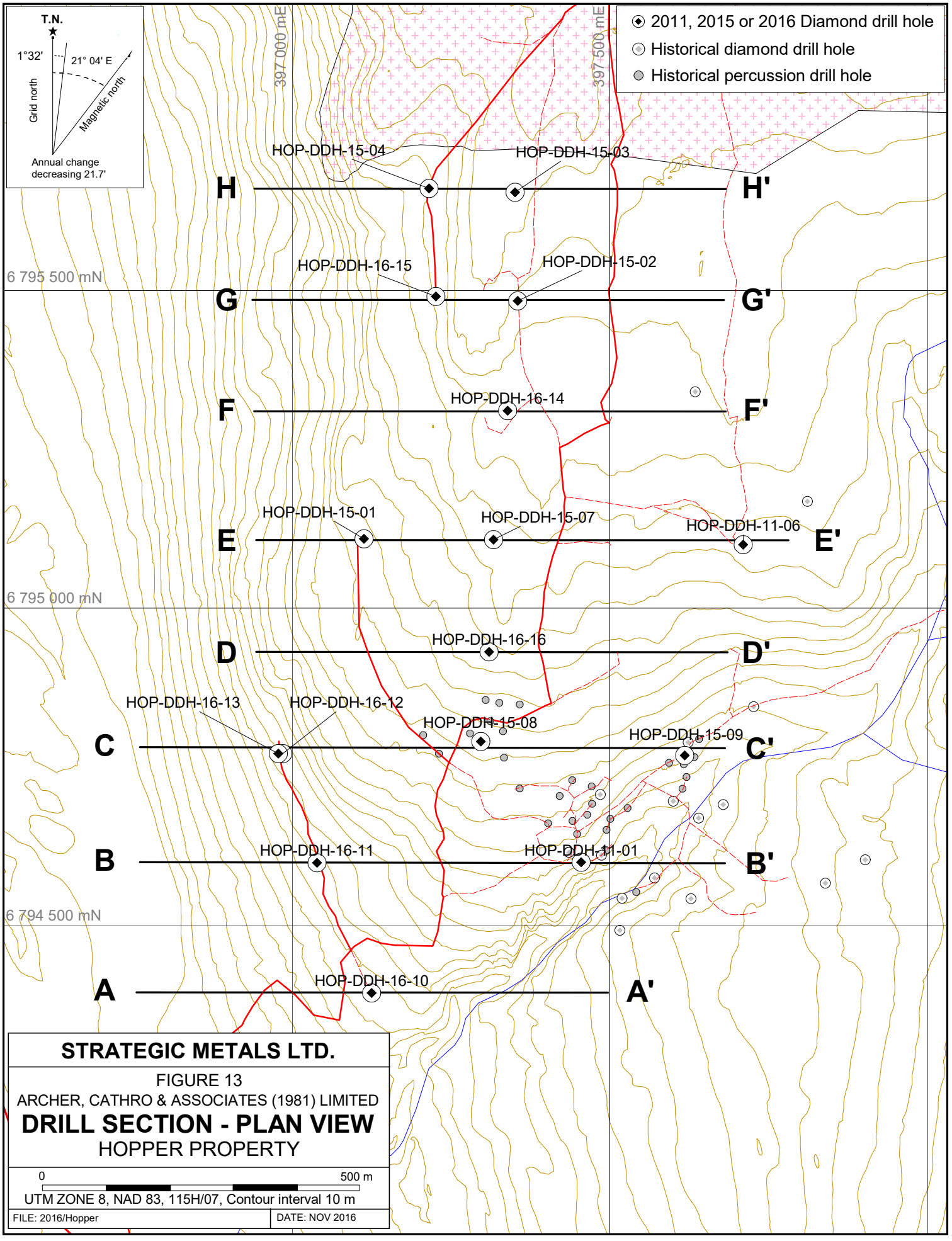
Figures 13 to 21 illustrate historical and 2016 drill collar locations and cross-sections showing lithologies and results. Certificates of Analyses are provided in Appendix III, while Geological and Geotechnical Logs are given in Appendix IV. Key data concerning the 2011, 2015 and 2016 drill holes are listed in Table XI.

Table XI – 2011, 2015 and 2016 Diamond Drill Hole Data

Hole	Easting	Northing	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	397355	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
DDH-16-10	397125	6794394	1096	270	-70	266.70
DDH-16-11	397039	6794599	1120	270	-70	291.08
DDH-16-12	396985	6794771	1135	270	-70	167.07
DDH-16-13	396978	6794771	1135	90	-65	216.22
DDH-16-14	397339	6795311	1280	270	-70	443.48
DDH-16-15	397226	6795491	1284	270	-60	402.33
DDH-16-16	397310	6794931	1240	270	-70	373.38

*Continuation of drill hole DDH-15-05

°Continuation of drill hole DDH-15-04



STRATEGIC METALS LTD.

FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

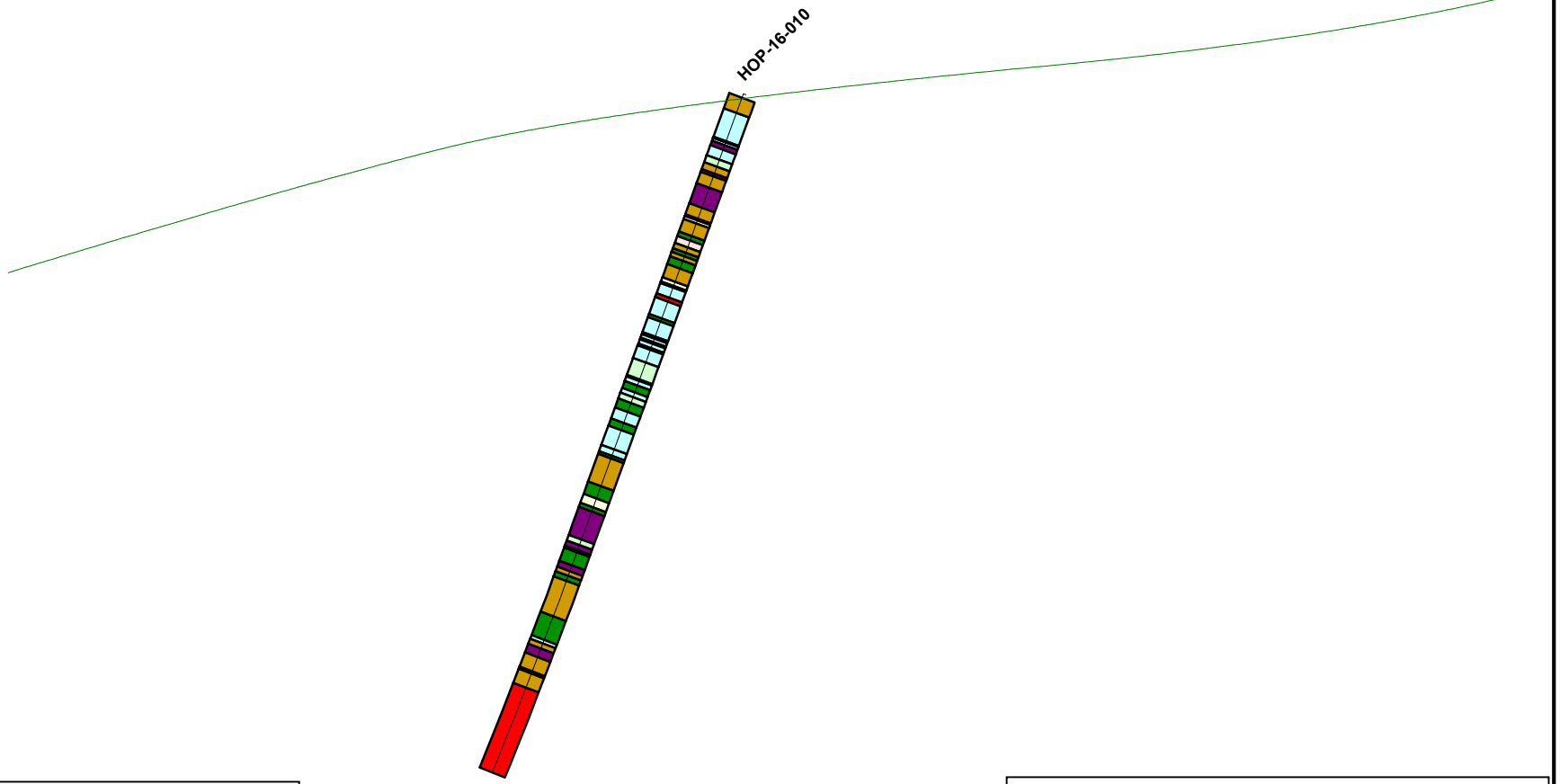
DRILL SECTION - PLAN VIEW

HOPPER PROPERTY

0 500 m

UTM ZONE 8, NAD 83, 115H/07, Contour interval 10 m

FILE: 2016/Hopper | DATE: NOV 2016



- Rhyolite dyke
- Feldspar andesite porphyry and andesite dyke
- Felsic feldspar porphyry dyke
- Granodiorite or granite
- Calc-silicate
- Schist
- Marble
- Skarn

STRATEGIC METALS LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION A-A'

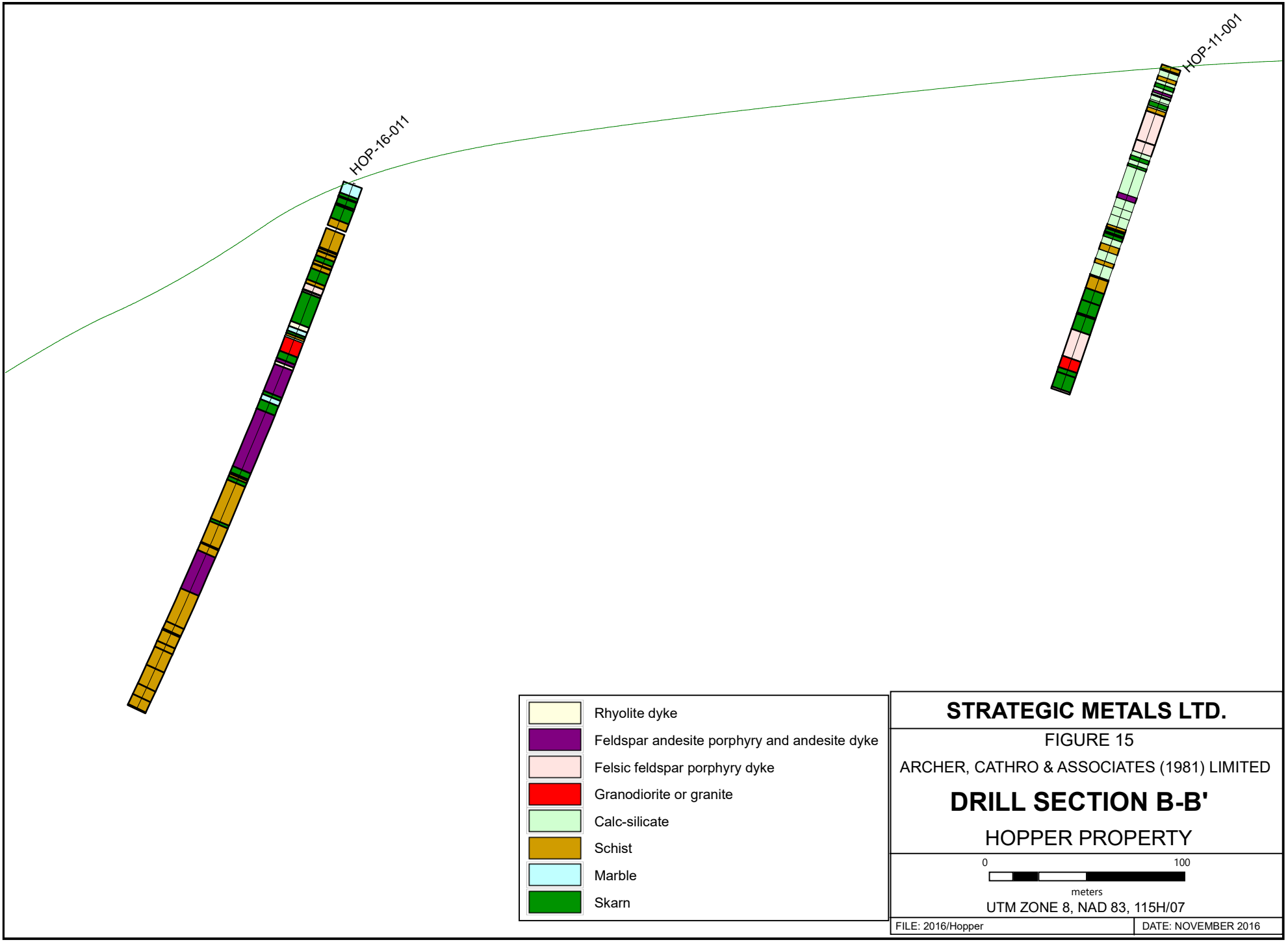
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



STRATEGIC METALS LTD.

FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION B-B'

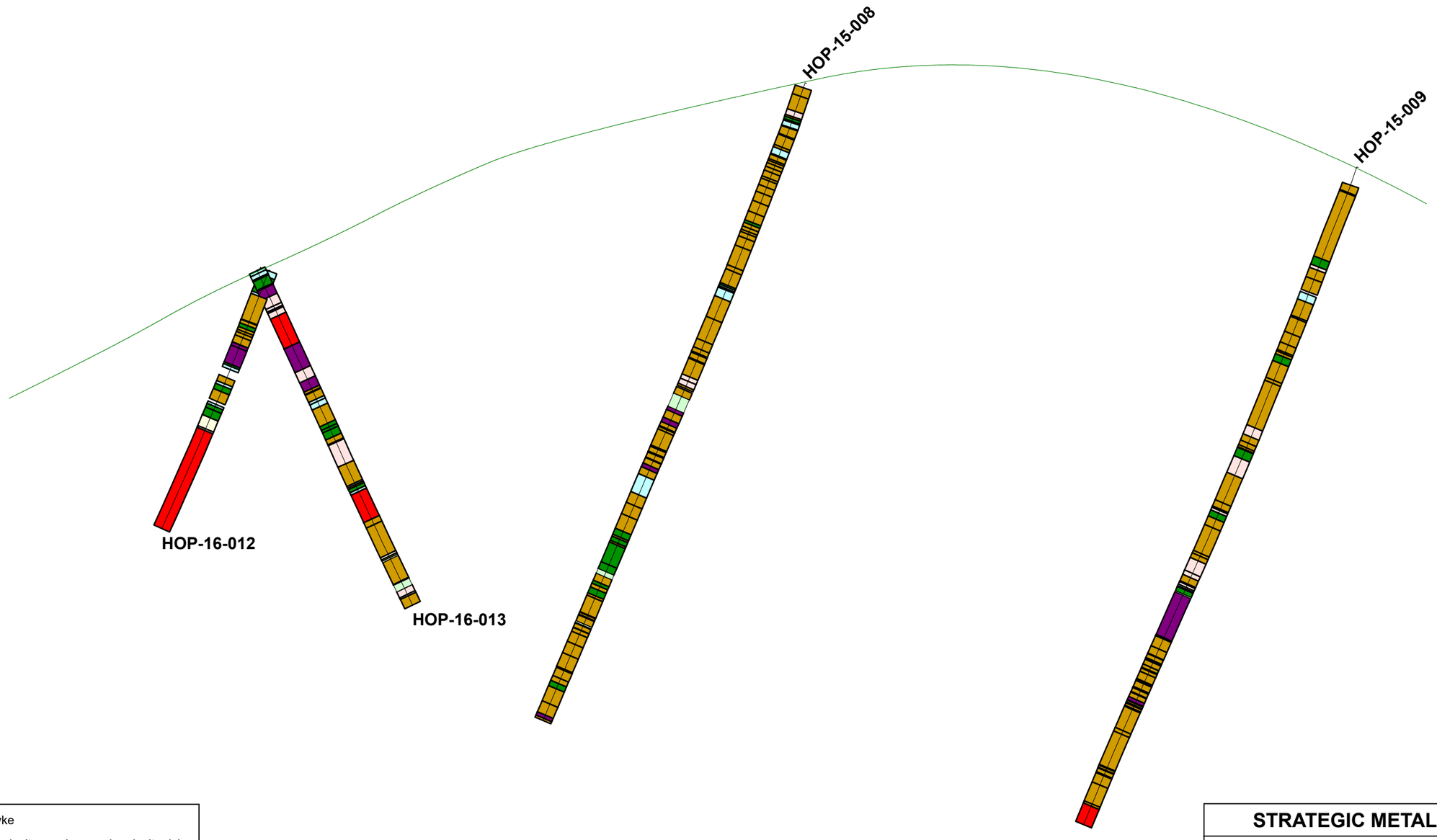
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



Rhyolite dyke
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Calc-silicate
Schist
Marble
Skarn

STRATEGIC METALS LTD.

FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION C-C'

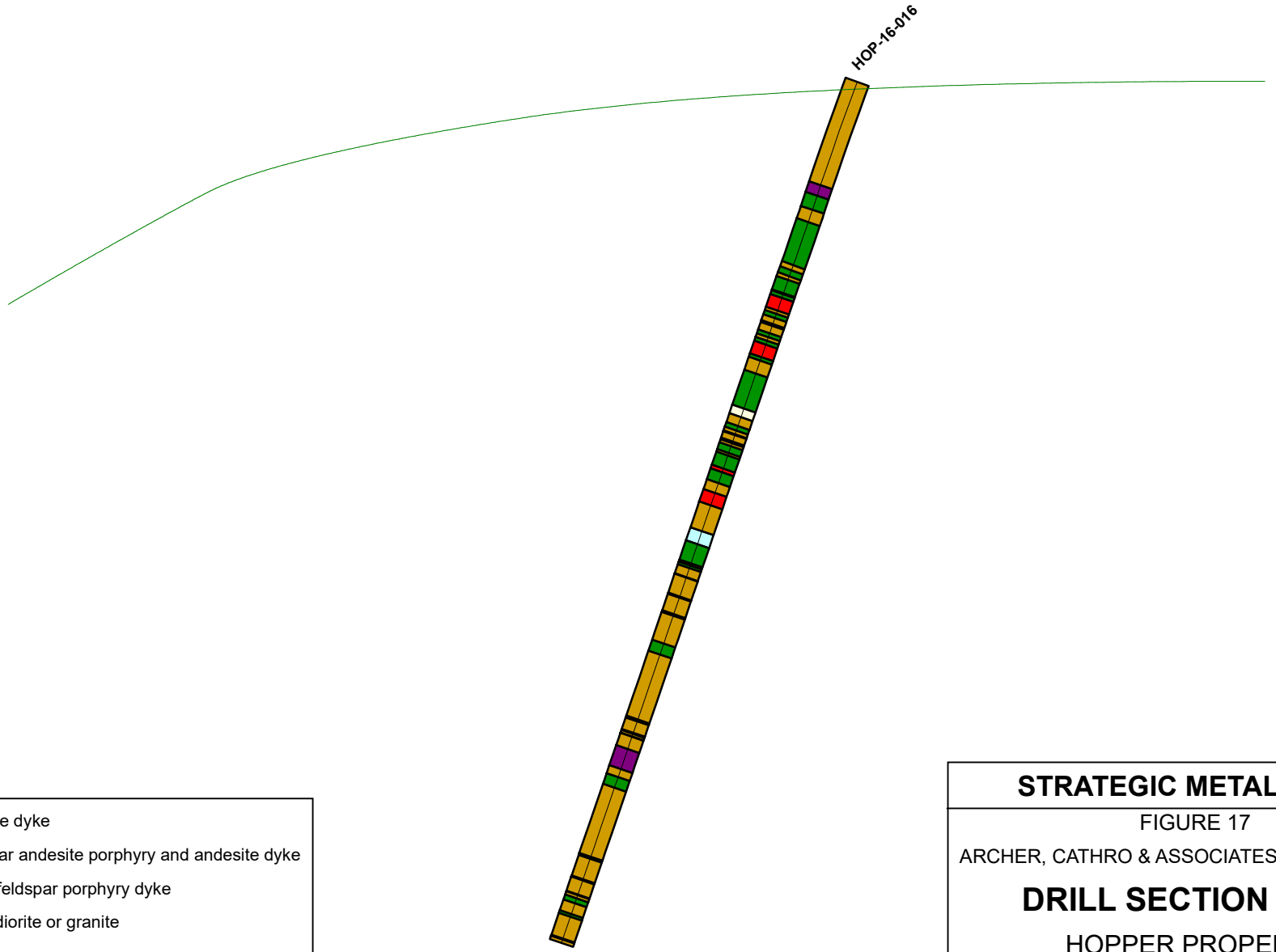
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



Rhyolite dyke
Feldspar andesite porphyry and andesite dyke
Felsic feldspar porphyry dyke
Granodiorite or granite
Schist
Marble
Skarn

STRATEGIC METALS LTD.

FIGURE 17

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION D-D'

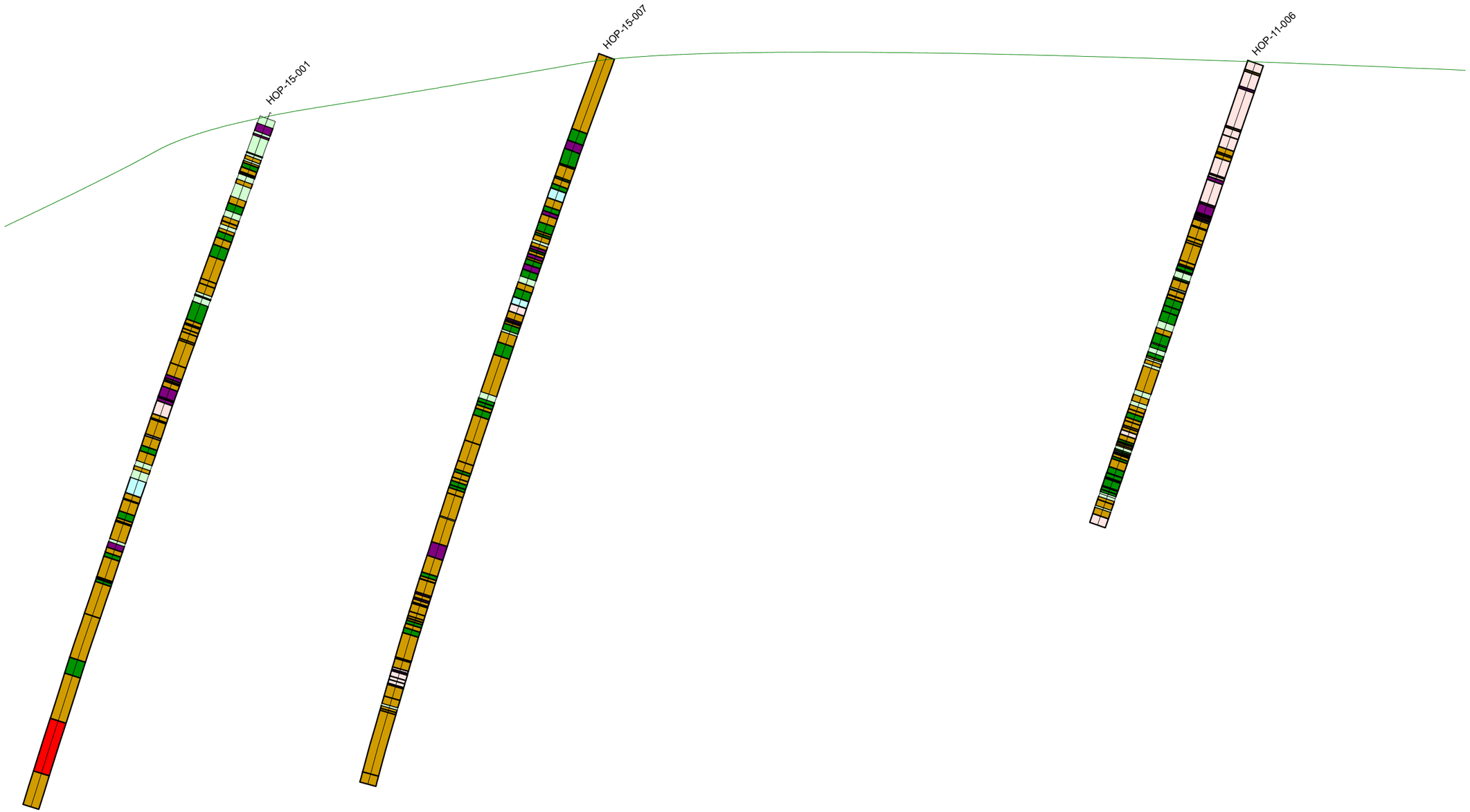
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



- Feldspar andesite porphyry and andesite dyke
- Felsic feldspar porphyry dyke
- Granodiorite or granite
- Calc-silicate
- Schist
- Marble
- Skarn

STRATEGIC METALS LTD.

FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION E-E'

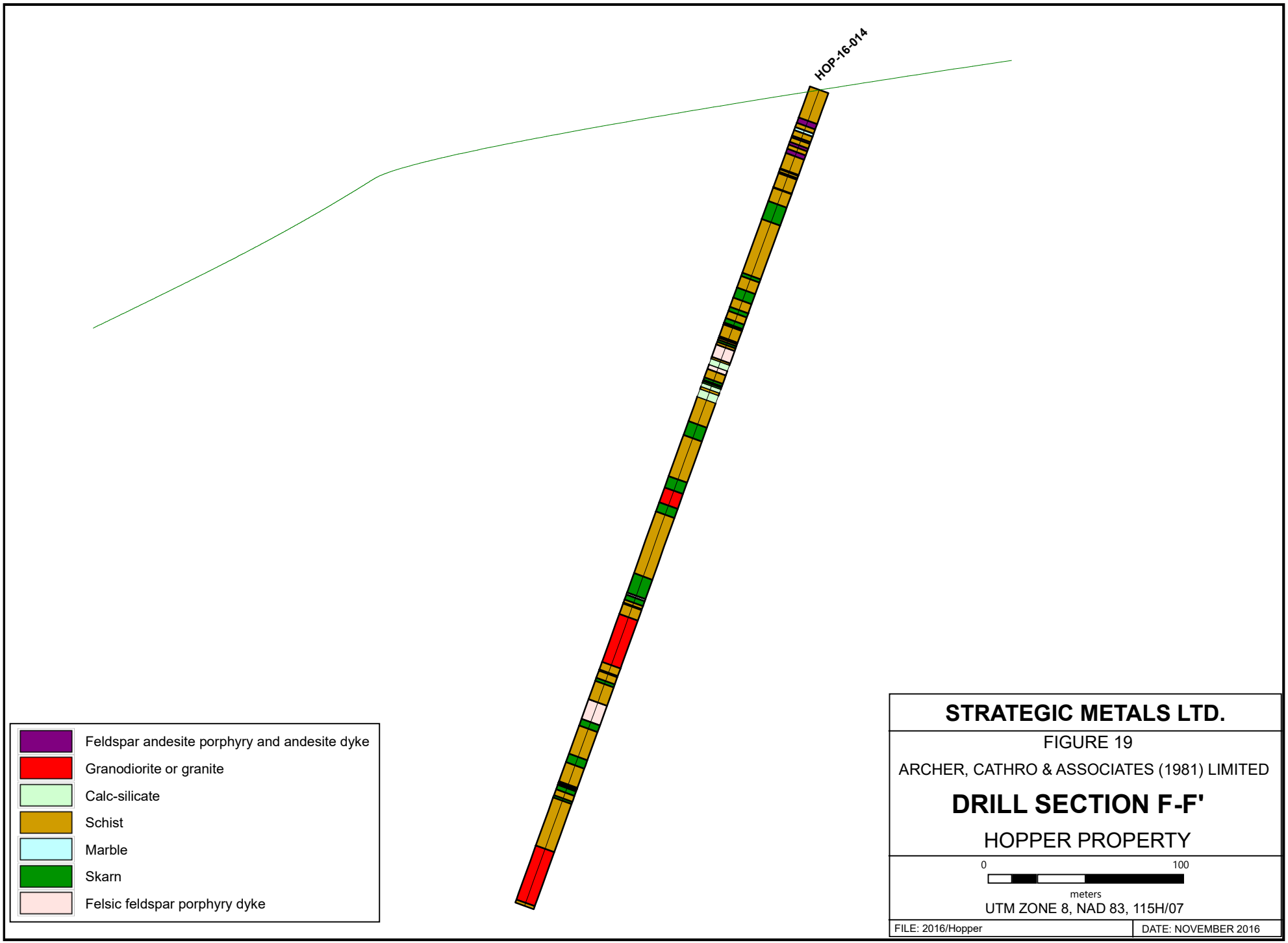
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



STRATEGIC METALS LTD.

FIGURE 19

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION F-F'

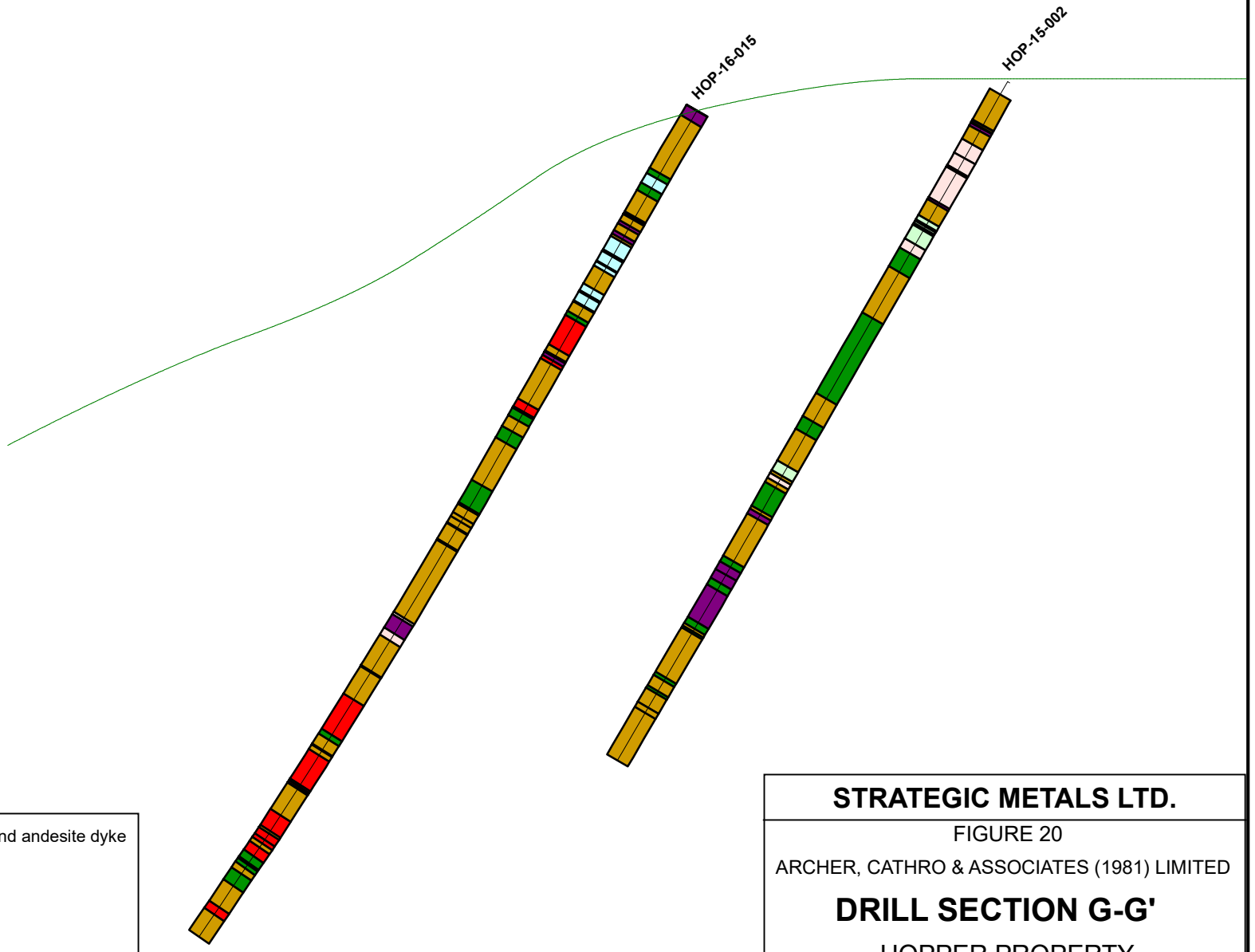
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



Feldspar andesite porphyry and andesite dyke
Granodiorite or granite
Calc-silicate
Schist
Marble
Skarn
Felsic feldspar porphyry dyke

STRATEGIC METALS LTD.

FIGURE 20

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION G-G'

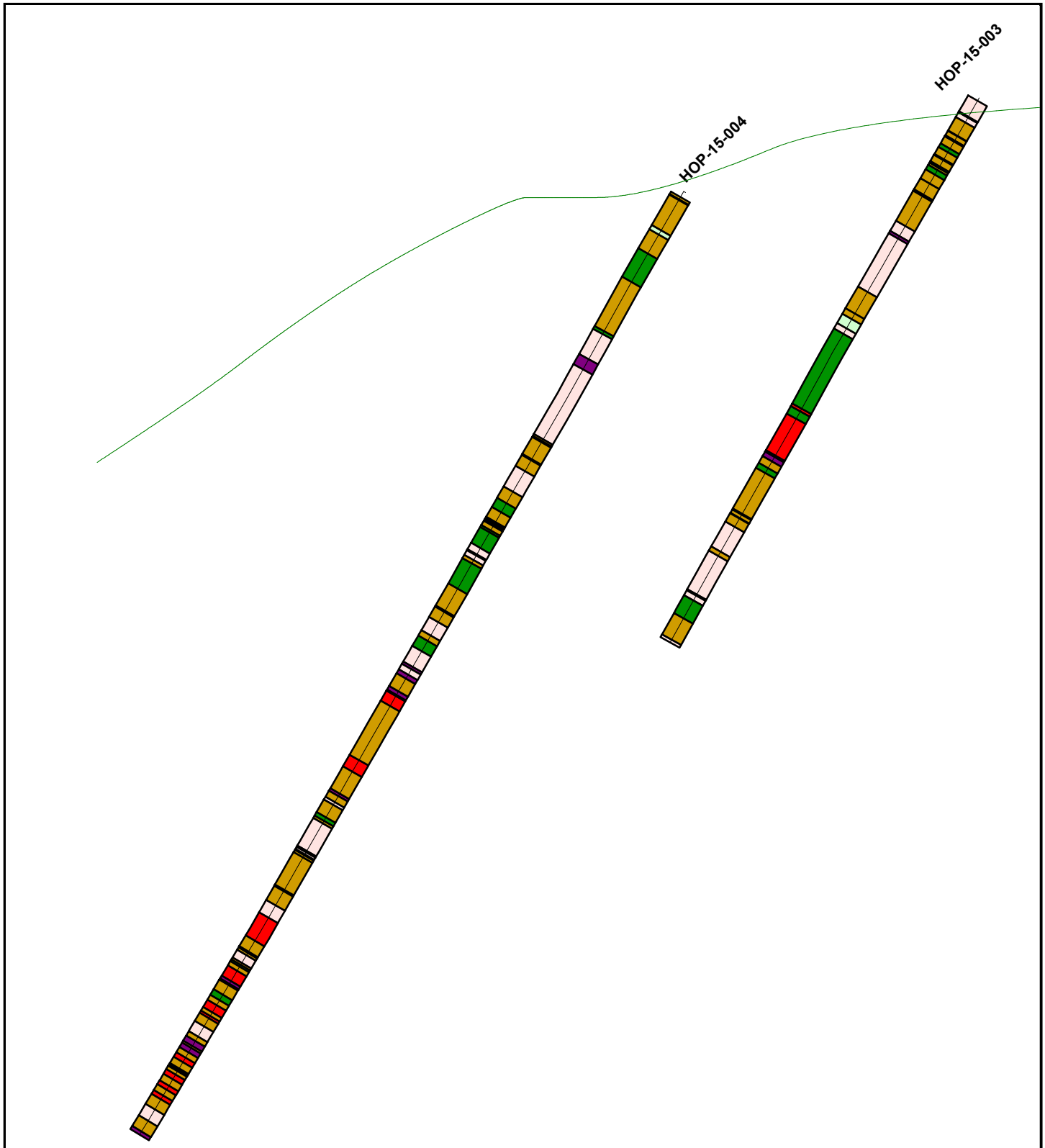
HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016



Feldspar andesite porphyry and andesite dyke
Granodiorite or granite
Calc-silicate
Schist
Skarn
Felsic feldspar porphyry dyke

STRATEGIC METALS LTD.

FIGURE 21

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL SECTION H-H'

HOPPER PROPERTY

0 100

meters

UTM ZONE 8, NAD 83, 115H/07

FILE: 2016/Hopper | DATE: NOVEMBER 2016

The 2016 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 sample. 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 2016 holes were drilled at azimuths of 270° at fairly steep angles to test the shallow, easterly-dipping skarn horizons, except for DDH-16-13 (Azm: 090° and Dip: -65°), which tested down dip of DDH-16-12. All holes intersected stacked mineralized skarn horizons. The main skarn horizons at Hopkins South Zone have been traced over a 1200 strike length and up to 700 m down dip of surface.

Observations regarding sulphide/oxide mineralogy within skarns are consistent with historical descriptions (see Historical Diamond Drilling sub-section). The best 2011, 2015 and 2016 drill intersections are listed in Table XII.

Table XII – 2011, 2015 and 2016 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
	125.30	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
incl.	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
DDH-16-10	123.00	124.80	1.80	0.01	1.02	0.23	30.00
	180.52	190.98	10.46	0.21	0.09	1.53	5.70
	204.84	214.41	9.37	0.27	0.09	1.94	2.63
DDH-16-11	119.95	125.18	5.23	0.41	0.15	2.57	1013.39
DDH-16-14	94.90	99.49	4.59	0.41	0.54	2.77	42.04
	135.64	138.84	3.20	0.34	0.05	3.89	57.44
	183.64	189.41	5.77	0.57	0.47	2.37	39.27
	213.70	217.93	4.23	0.37	0.17	2.54	16.71
	226.00	229.00	3.00	0.61	0.12	8.01	10.05
	264.39	267.31	2.92	0.39	0.11	3.01	2.67
	316.76	322.90	6.14	0.27	0.07	1.37	35.93
incl.	321.30	322.90	1.60	0.97	0.27	5.06	135.50
	343.64	347.18	3.54	0.25	0.10	1.55	5.23
	362.48	367.13	4.65	0.15	0.04	0.91	0.70
	377.53	386.34	8.81	0.40	0.14	1.96	14.78
DDH-16-15	99.10	101.07	1.97	0.71	0.17	5.06	4.54
	154.24	159.81	5.57	0.27	0.13	1.53	89.18
	180.05	191.03	10.98	0.27	0.10	1.86	56.39
	359.52	376.66	17.14	0.04	0.01	0.20	329.80

DDH-16-16	60.89	66.13	5.24	0.44	0.27	3.16	1.45
	301.46	306.12	4.66	0.27	0.19	1.68	8.12
	354.02	356.20	2.18	0.04	2.33	1.14	1.75
	360.79	362.01	1.22	0.94	1.17	5.77	4.61

* Interval represents the downhole intersection length and true widths are estimated to be approximately 90-95% 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 12 m. The deeper skarn horizons have higher gold to copper ratios, and contain 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 mineralization; however, similar dykes cut the upper skarn horizons, without notable gold-enrichment.

Drilling carried out in 2016 expanded the area of known mineralization in the Hopkins South Zone to about 1200 m of strike length for both the upper and lower skarn horizons. The lower skarn horizons have been drill tested over a down dip width of up to 460 m, while the upper skarn horizons have been intersected widely tested over widths of up to 700 m down dip.

Holes DDH-16-10, -11, -12, and -13 were drilled near the bottom of the escarpment in the southwestern part of the zone. These holes tested only the lower skarn horizons. Skarns encountered in these holes have elevated bismuth and tellurium contents, similar to those in the gold-rich skarns intersected elsewhere in the lower horizons, but gold results were lower than expected. Strong molybdenum results from DDH-16-11 are attributed to molybdenite-filled fractures within massive diopside-pyrrhotite-magnetite skarn. An unmapped hornblende-biotite-granodiorite stock was cut at the bottom of holes DDH-16-10 and DDH-16-12.

Holes DDH-16-14, -15 and -16 tested both upper and lower skarn horizons. Skarn assemblages observed in these holes are similar to those in nearby holes; however, copper and gold grades were somewhat lower than expected. The best gold grades were obtained from DDH-16-16, which lies 150 m north of DDH-15-01 and 260 m southeast of DDH-15-08. Skarn mineralogy in DDH-16-16 varies significantly from the assemblages seen in DDH-15-01 and -08. Gold-rich intervals in those were holes were a combination of pyroxene-pyrrhotite and semi-massive to massive magnetite skarns, while corresponding intervals in DDH-16-16 contained ankerite-chlorite skarn and breccia comprising a calcite matrix with schist and skarn clasts rimmed by ankerite. The trace element geochemical signature of the gold-enriched intercept in DDH-16-16 is similar to those of the 2015 high-grade gold intervals, with elevated tellurium and bismuth, but relatively low copper values.

Drilling in 2016 did not replicate the high-grade gold results obtained in 2015 from the lower skarn horizons; however, the large distances between drill holes makes correlations between holes somewhat questionable. Some large faults are believed to cut the Hopkins South Zone, and some of the 2016 holes may have pierced skarn packages that lie above or below the best gold-rich horizons cut in 2015.

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. None of the 2016 holes tested the porphyry targets.

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. 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

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

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
2011, 2015 and 2016 Diamond drill hole

PROPERTY BOUNDARY

3,400
4,500
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
HOP-DDH-15-03
HOP-DDH-15-04
HOP-DDH-15-02
HOP-DDH-16-15
HOP-DDH-16-14
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-15-01
HOP-DDH-16-16
HOP-DDH-15-08
HOP-DDH-11-05
HOP-DDH-16-12
HOP-DDH-11-04
HOP-DDH-15-09
HOP-DDH-16-13
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

STRATEGIC METALS LTD.

FIGURE 22

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: 2016/Hopper | DATE: NOV 2016

398000 mE
400000 mE
402000 mE
404000 mE
6802000mN
6798000mN
6794000mN
6792000mN
3,400
4,500
4,200
PROPERTY BOUNDARY
HISTORICAL WORKINGS AREA - HOPKINS NORTH ZONE
HISTORICAL DIAMOND DRILL AREA - HOPKINS SOUTH ZONE
HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-15-02
HOP-DDH-16-15
HOP-DDH-16-14
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-15-01
HOP-DDH-16-16
HOP-DDH-11-05
HOP-DDH-15-08
HOP-DDH-16-12
HOP-DDH-15-09
HOP-DDH-11-04
HOP-DDH-16-13
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

1.150
0.592
0.453
0.379
0.329
0.291
0.258
0.229
0.206
0.188
0.171
0.154
0.136
0.121
0.106
0.094
0.083
0.074
0.067
0.061
0.056
0.050
0.042
0.034
0.025
0.015
0.006
-0.003
-0.013
-0.037
-0.067
-0.094
-0.116
-0.136
-0.152
-0.166
-0.182
-0.200

pV/Am^4

Copper- in-soil anomaly
Key Areas
Hopper Pluton outline
2011, 2015 and 2016 Diamond drill hole

T.N.
1°32'
22° 39' E
Grid north
Magnetic north
Annual change decreasing 22.1'

STRATEGIC METALS LTD.

FIGURE 23

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: 2016/Hopper

DATE: NOV 2016

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 actinolite.	396199, 6797506

METALURGICAL TESTWORK

Preliminary metallurgical testwork was conducted on 10 coarse assay reject samples of mineralized skarn drill core. These samples were sent to Blue Coast Research, 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 gold 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.

ACCESS MANAGEMENT AND HERITAGE SURVEYS

In 2016, an access management plan (AMP) was drafted prior to moving mechanized equipment on to the property. The AMP was created using ground-proofed survey data to ensure the best

access routes were selected for two trails built in the south and north parts of the property. The southern trail extends 350 m north off of the existing Hopper Road, and was used for DDH-16-10 through -13. The north trail extends approximately 1250 m south off an existing 700 m long quad trail. This trail accesses the western portion of the Hopkins North Zone. No drill holes have been collared yet along this route.

Both routes were designed to utilize existing equipment trails where possible and were selected with careful consideration to local vegetation, soil development, topography, and slope angles. In conjunction with the AMP, a Heritage Resource Impact Assessment was performed by Stantec Inc. of Whitehorse on the property. Field studies were performed on July 12 by one Stantec archaeologist and two CAFN representatives. The report relating to Stantec's survey is presented in Appendix V.

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 2016 at Hopkins South Zone expanded both of the known skarn bands to over 1200 strike lengths. It traced the lower and upper skarn horizons 460 m and 700 m down dip of surface, respectively. Results from the program returned lower grades than some previous drilling, but did show continuity of stacked skarn horizons with similar geochemical signatures (Cu-Au-Ag and Au-Bi-Te) over broad areas.

Previous 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. No drilling was done in the Hopkins North Zone in 2016, but access was improved into the western part of that zone. The zone is an important exploration target and has good potential for new discoveries.

Future work on the Hopper property should continue to evaluate known areas of mineralization in the Hopkins North and South zones and test undrilled areas where anomalous geochemical or geophysical results have been outlined. Besides drilling, future work programs should include additional soil sampling, continued geological mapping, prospecting, hand trenching, 3D magnetic inversion interpretation. Additional sampling should be done of drill core in intervals adjacent to, and between mineralized intervals in 2011, 2015 and 2016 drill holes to test for gold that may occur in the vicinity of skarn horizons, but within different geological units.

Soil sampling should be performed in the northern and eastern parts of the property where soil sample coverage is low. Geological mapping, prospecting and hand trenching should be done wherever soil geochemical or geophysical 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 or pyrite halo.

Diamond drilling should test a number of targets on the property. Closely spaced diamond drilling should focus on Hopkins South Zone to: 1) determine the ultimate extent of mineralization; 2) identify high-grade core areas; and 3) assess the roles that faults and dykes may have played in localizing ore. Additional holes should be collared near the base of the escarpment at Hopkins South and North zones to explore for prospective horizons in the deeper part of this prospective 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 soil geochemical anomalies and chargeability highs.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Mitchell, B.Sc. GIT

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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
5300
4600
4300
3400

xx 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
P-34
P-33
P-35
P-31
P-32
P-36A
P-30
P-29
P-28
P-27
P-26
P-40
P-4
P-25
TH-4
P-2
P-24
P-5
P-3
HA-4
HA-5
TH-2
P-1
TH-1
TH-7
P-19
P-18
P-23
P-22
P-39
P-38
TH-3
TH-8
P-18A
P-18B
HA-1
P-17
HA-2
P-15
HA-3
TH-9
TH-10
TH-5
0
500 m

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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HISTORICAL WORKINGS & GEOMORPHOLOGY

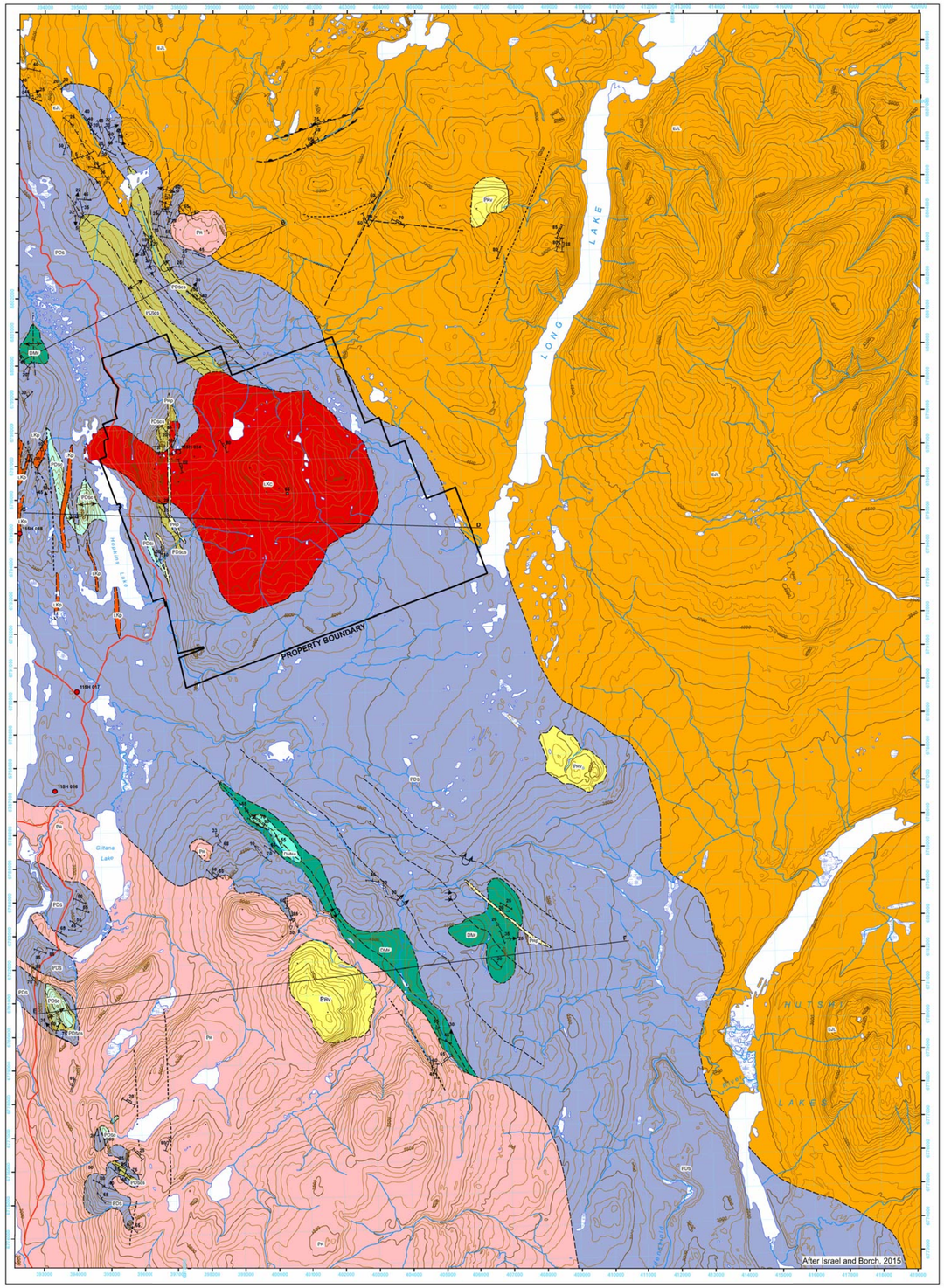
HOPPER PROPERTY

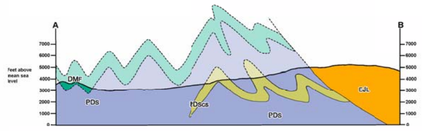
0 1 km
UTM ZONE 8, NAD 83, 115H/02,07

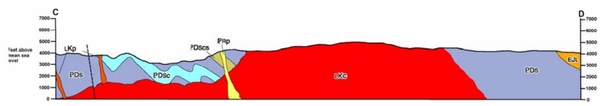
FILE: 2016/Hopper | DATE: NOV 2016

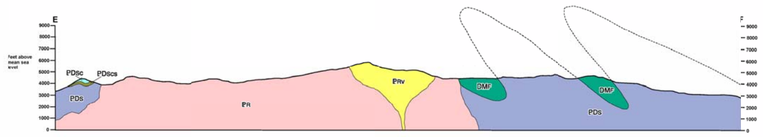
Yukon Geological Survey

Yukon
Energy, Mines and Resources









LEGEND

OVERLAP ASSEMBLAGES

PALEOCENE

RHYOLITE CREEK VOLCANOPLUTONIC COMPLEX (ca. 57-54 Ma):

- **PPrp** — massive, fine tomedium-grained, plagioclase porphyry; fine-grained hornblende, quartz-diorite to granodiorite
- **PPrv** — andesitic to dactic volcanic breccia and subvolcanic intrusions; angular to rounied clasts of purple to grey feldspar porphyry and fine-grained intermediate volcanics within a feldspar crystal-rich, andesitic to dactic 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-felspar pegmatite dikes; likely in part coeval with Rhyolite Creek ›olcanoplutonic complex

LATE CRETACEOUS

CASINO SUITE (ca. 76-74 Ma):

HOPPER PLUTOI (ca. 78 Ma):

- **LKc** — medium to coarse-grained, hornblende, quartz-diorite, granodiorite and diorite; local coarse-grained hornblende gabbro; abundant magnetite; locaiy 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 orangs, brown where in contact with PDs and PDscs

EARLY JURASSIC

LONG LAKE SUITE (:a. 186-180 Ma):

- **EJL** — medium to coarse-grained biotite, hornblende granodiorite to quartz-diorite; lcally k-spar megacrystic; minor coarse-grained gabbro; plagiocase, quartz ± k-spar pegmatite dikes locally common; stronjy foliated near contact with metasedimentary rocks of the YT", massive away from contact

YUKON-TANANA TERRANE

DEVONIAN TO MISSISSIPPIAN

FINLAYSON ASSEM3LAGE:

- **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 blak, 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 TODEVONIAN

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)
- cleavage
- crenulation cleavage
- mineral lineation
- intersection lineation
- crenulation lineation
- fold axis (upright fold, s-fold)
- fold axial trace (upright anticline, overturned syncline, anticline)
- bedding
- dike
- fracture
- 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.

Paper copies of this map may be obtained from the Yukon Geological Survey, Energy Mines and Resources, Government of Yukon; Room 102-300 Main St., Whitehorse, Yukon, Y1A 2B5
Ph. 867-667-3201
Email: geology@gov.yk.ca

A digital PDF (portable document file) of this map may be downloaded free of charge from the Yukon Geological Survey website: http://www.geology.gov.yk.ca/

1:50 000-scale topographic base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANA0A

ONE THOUSAND METRE GRID
Universal Transverse Mercator Projection
North American Datum 1983
Zone 8

CONTOUR INTERVAL 100 Feet
Elevations above Mean Sea Level

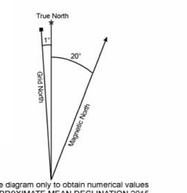
BEDROCK GEOLOGY

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, CATHRC & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

HOPPER PROPERTY

0 5 km

UTM Zone 8, NAD 83 115H/02, 07, Contour Interval: 100 feet

FILE:2016/Hopper/ | DATE: NOV 2016

T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'

397 000 mE
398 000 mE
6 798 000 mN
6 797 000 mN

SCREENS AND XENOLITHS OF METASEDIMENTS

DMcs, DMs + py
DM1q
DM1q, DMcs, DMs
DMh, DM1q +/- mal
jarosite, rusty
DM1q, DMs +/- rusty
DM1q +/- DMcs
DM1q, DMmb
DM1q-s +/- DMcs + tr. cp
DM1s, granitized
DM1q-s
DM1q-s, granitized + cp
DM1q-s
qtz-carb veins
DM1q, DMs, xenos + cp
qz-carb vein with mal + cp
mal vein
DM1q
DM1q-s
DM1q, limy DMcs, DMs + cp + mal
DM1q + py
DM1q, DMcs + py
DM1q-s
DM1q, DMh +/- rusty
DM1q, DMh +/- rusty
DM1q
DMcs, DMs
DMcs, DMs
gnt-px-pc
px-grn-ep-mag + tr cp
DMcs, DMs
px-act +/- magn, po
magn
gnt-cp-py
px-act
ep-gnt-px-act +/- py, cp, mal
alz rich DMm, DMcs, DMs + cp
massive to semi-massive magn
magn-serp
ep-gnt + mal
gnt-px
jarosite, rusty
magn +/- rusty
rusty
orange, carb altered frx stockwork
disseminated cp + frx contro
shear, slicks, qzt-carb veins
PDH-HOP-11-15
PDH-HOP-11-14
PDH-HOP-11-16
PDH-HOP-11-13
PDH-HOP-11-41
PDH-HOP-11-42
PDH-HOP-11-06
PDH-HOP-11-12
PDH-HOP-11-17
PDH-HOP-11-40
PDH-HOP-11-43
PDH-HOP-11-44
PDH-HOP-11-45
HOP-DDH-15-05
PDH-HOP-11-39
PDH-HOP-11-18
PDH-HOP-11-11
PDH-HOP-11-46
PDH-HOP-11-19
PDH-HOP-11-10
PDH-HOP-11-38
PDH-HOP-11-48
PDH-HOP-11-47
PDH-HOP-11-23
PDH-HOP-11-22
PDH-HOP-11-20
PDH-HOP-11-09
PDH-HOP-11-37
PDH-HOP-11-49
3 700
4 200
4 700

TERTIARY

- Tcb - chalcedony breccia
- Tb - basalt, basalt porphyry
- Tcb - quartz-carbonate vein - rusty weathering
- Tcb - quartz-carbonate breccia - rusty weathering and calcite healed
- 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
- Tfp - porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite

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

- 2011, 2015 and 2016 Diamond drill hole
- 2011 Percussion 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
maga - magnetite
px - pyroxene
py - pyrite
serp - serpentine
xeno - xenolith

After Burrell, 2014

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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: ...2016/HOPPER | DATE: NOV 2016

T.N.
1°32'
21° 04' E
Grid north
Magnetic north
Annual change decreasing 21.7'

397 000 mE

6 795 000 mN

6 794 000 mN

A

A'

CROSS-SECTION A - A'

Elevation (m)

2 x Vertical Exageration

1,250
1,200
1,150
1,110
1,050
1,000
950

A

A'

0

250m

TR-14-07
TR-14-08
TR-14-09
TR-14-10
TR-14-01
TR-14-02
TR-14-03
TR-14-04
TR-14-05
TR-14-06

PDH-HOP-11-03
PDH-HOP-11-31
PDH-HOP-11-30
PDH-HOP-11-02
PDH-HOP-11-01
PDH-HOP-11-29
PDH-HOP-11-28

HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-16-15
HOP-DDH-15-02
HOP-DDH-16-14
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-16-16
HOP-DDH-11-05
HOP-DDH-15-08
HOP-DDH-16-13
HOP-DDH-16-12
HOP-DDH-11-04
HOP-DDH-11-03
HOP-DDH-15-09
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

DM1q
DM1s
DM1q + mal + moly
gnt-px-act/trem/woll-serp-magn + cp + mal
gnt-px-act/trem + mal
magn-act-serp-px +/- cp, mal, woll
magn-px-act-gnt + cp
DMcs, DMs
DM1q, DMcs + tr. cp
DM1q, DMm, DMcs
rusty
act-px-rem-magn
DM1q, DMh
DM1q-s-g
DM1q-s
gnt-px-act + mal + cp
magn
DM1q, DMcs, DMh
woll-ep-px-act
DM1q +/- DMcs
px-act + cp
DM1q, DMcs, DMs px-act + cp + py

TERTIARY

Tcb - chalcedony breccia

Tb - basalt, basalt porphyry

Tcb - quartz-carbonate breccia - rusty weathering and calcite healed

Tcb - quartz-carbonate vein - rusty weathering

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

Tfp - porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite

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, silicecus 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

2011 Percussion drill hole

2011, 2015 and 2016 Diamond drill hole

2014 and 2015 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

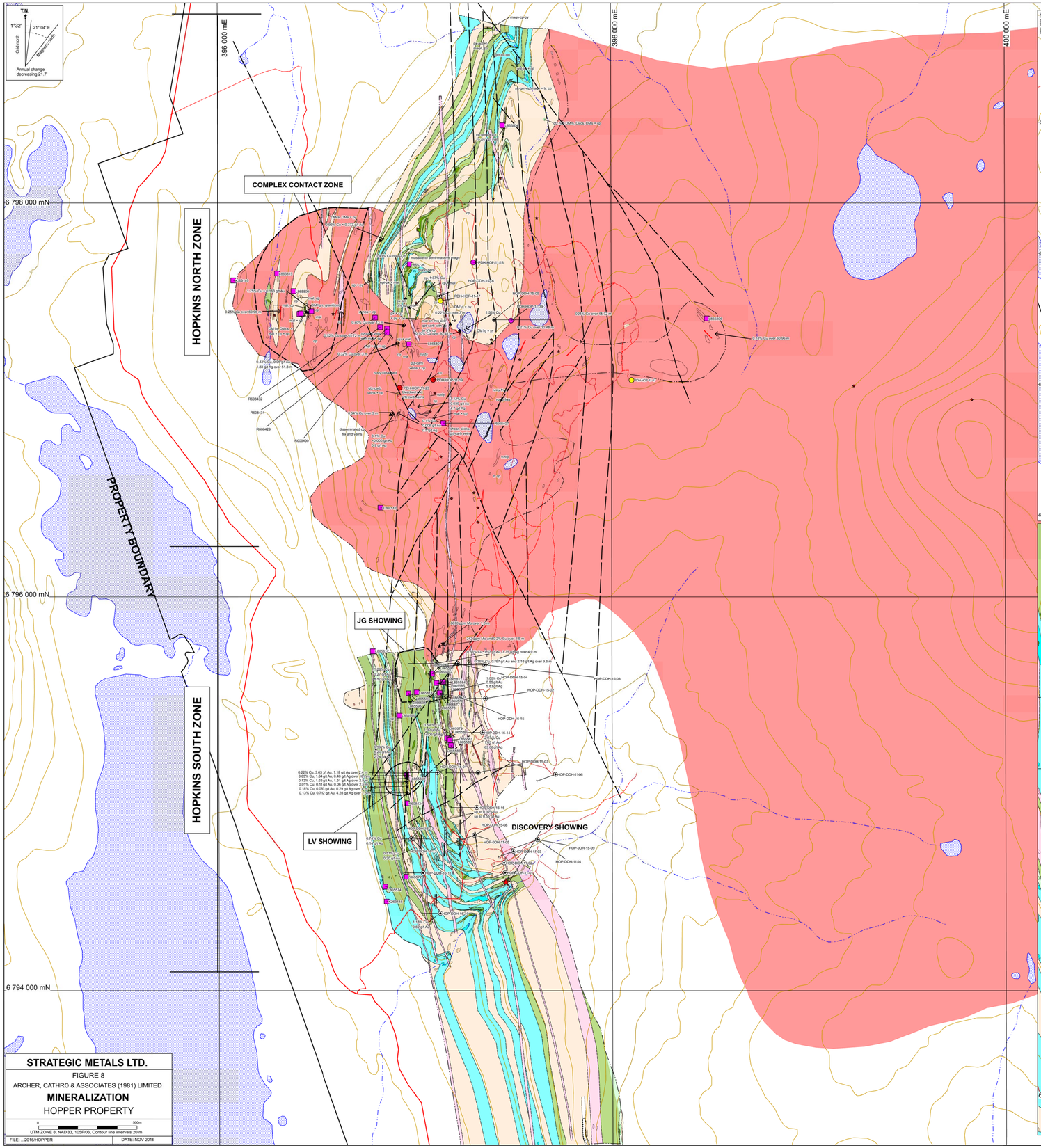
HOPPER PROPERTY

0 250m

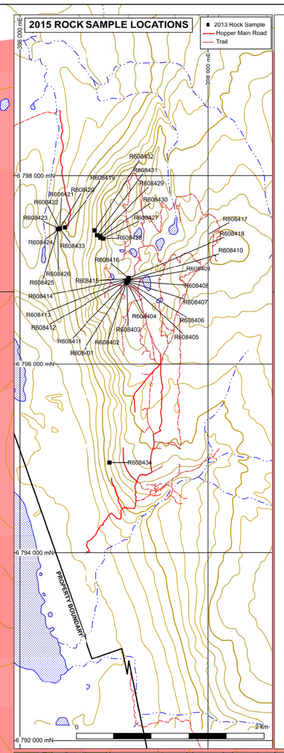
UTM ZONE 8, NAD 83, 105F/06, Contour line intervals 20 m

FILE: ...2016/HOPPER

DATE: NOV 2016



2015 ROCK SAMPLE LOCATIONS



TERTIARY

- Tcb - chalcedony breccia
- Tb - basalt, basalt porphyry
- Tcb - quartz-carbonate breccia - rusty weathering and calcite healed
- Tcb - quartz-carbonate vein - rusty weathering
- 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
- Tfp - porphyritic dyke - light grey to pinkish-grey, feldspar-hornblende +/- biotite

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

Outcrop
Contact defined and inferred
Fault

Significant 2013, 2014 and 20'5 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 and/or 2015 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

After Stephen and Feulgen, 1989

Significant Rock and Chip Sample Results

Hopkins North Zone

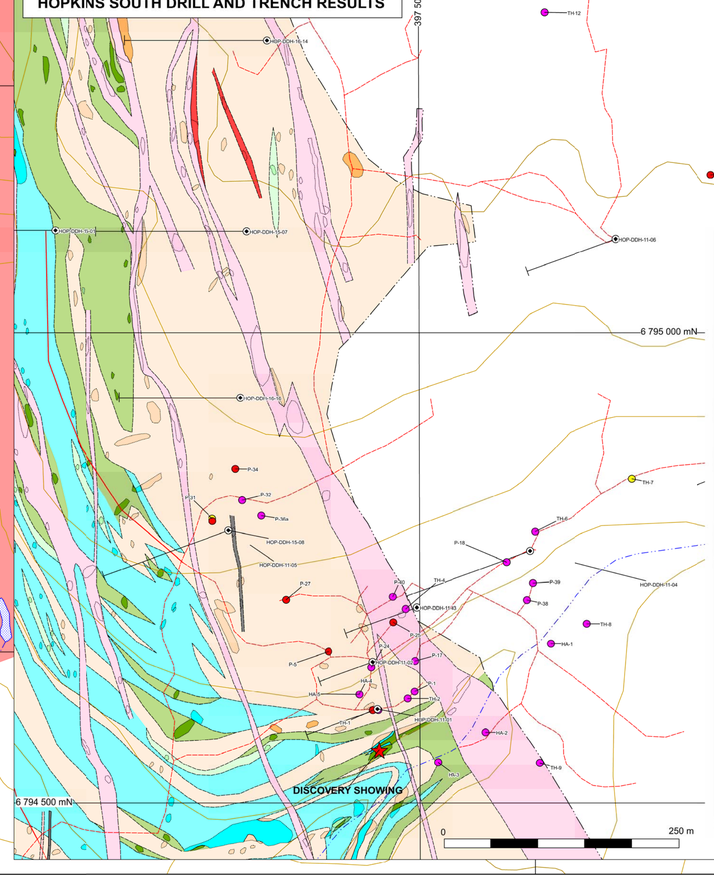
Rock Type	Sample No.	Sample Type	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)
Skarn	L865804	Chip (1 m)	0.86	0.7	12.45	1
Granodiorite	L865805	Specimen	2.67	0.021	18.75	25
Granodiorite	L865806	Specimen	0.12	0.018	1.30	5
Quartz-carb vein	L865807	Specimen	0.18	0.018	1.51	24
Skarn	L865809	Specimen	2.27	0.4	18.00	2
Metabasite	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	R6084074	Chip (3 m)	0.55	0.004	12.9	5
Quartz-carb vein	R6084294	Chip (70 cm)	0.30	0.005	1.19	34
Quartz-carb vein	R6084304	Chip (60 cm)	1.48	0.032	4.64	20
Quartz-carb vein	R6084314	Chip (15 cm)	5.58	0.064	14.45	1115
Quartz-carb vein	R6084324	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					
Skarn	L865576	Chip (10.4 m)	0.45	0.326	2.17	2
Skarn	L865577					
Skarn	L865578					
Skarn	L865579	Chip (3.4 m)	0.51	0.52	6.79	9
Skarn	L865580					
Skarn	L865581	Chip (4.2 m)	0.33	0.30	5.87	12
Skarn	L865582					
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					
Skarn	L865591	Chip (8.1 m)	0.23	0.06	2.06	278
Skarn	L865592					
Skarn	L865593					
Skarn	L865594	Chip (4.5 m)	0.32	1.31	6.47	5
Skarn	L865595					
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	R6084344*	Chip (1.4 m)	0.97	0.126	12.5	1

*2015 Rock Sample

HOPKINS SOUTH DRILL AND TRENCH RESULTS



Drill hole Cu (%)
- > 0.5
- ≥ 0.2 < 0.5
- ≥ 0.1 < 0.2
- Discovery Showing

Hole	From (m)	To (m)	Interval (m)	Copper (%)	Gold (g/t)	Silver (g/t)	Molybdenum (ppm)
TH-1	15.54	21.09	5.46	0.14	0.14	3.0	NR
TH-1	115.82	119.11	3.35	0.30	0.30	2.3	NR
TH-2	23.53	42.11	18.59	1.94	0.87	14.6	NR
TH-4	54.89	65.31	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	97.71	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	52.18	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	104.11	2.94	0.45	0.32	4.4	NR
HA-2	23.09	30.81	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	90.73	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	62.55	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
incl.	284.29	286.58	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	28.98	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	52.13	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	498.98	173.67	0.01	0.00	0.09	157.57
DDH-15-05	113.88	276.78	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	276.79	1.06	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	1.23	0.08	0.23	1.76
	369.35	370.71	1.36	0.46	0.29	1.56	2.57
DDH-15-08[1]	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[1]	339.33	340.33	1.00	0.67	0.17	3.93	83.70

NR – not reported
[1]Re-entered and deepened holes DDH-11-05 and 04, respectively.

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FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MINERALIZATION

HOPPER PROPERTY

0 500m

UTM ZONE 8, NAD 83, 105F/06. Contour line intervals 20 m

FILE: ...2016/HOPPER | DATE: NOV 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

Soil Cu (ppm)
- ≥500 ≤26,100
- 200 <500
- ≥100 <200
- ≥50 <100
- ≥20 <50
- ≥0 <20

2011, 2015 and 2016 Diamond drill hole

2011 Percussion drill hole

Hopper Pluton

Aishihik Lake Road

Hopper Main Road

Trail

HOP-DDH-15-06
HOP-DDH-15-05
HOP-DDH-15-04
HOP-DDH-15-03
HOP-DDH-16-15
HOP-DDH-15-02
HOP-DDH-16-14
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-16-16
HOP-DDH-16-12
HOP-DDH-15-08
HOP-DDH-15-09
HOP-DDH-11-05
HOP-DDH-11-04
HOP-DDH-16-13
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

5300
5200
4800
1280
1000
5300
4400
4500
1430
1400

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: 2016/Hopper DATE: NOV 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-15-04
HOP-DDH-15-03
HOP-DDH-16-15
HOP-DDH-15-02
HOP-DDH-16-14
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-16-16
HOP-DDH-16-12
HOP-DDH-15-08
HOP-DDH-15-09
HOP-DDH-16-13
HOP-DDH-11-05
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

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, 2015 and 2016 Diamond drill hole

2011 Percussion drill hole

Hopper Pluton

Aishihik Lake Road

Hopper Main Road

Trail

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: 2016/Hopper

DATE: NOV 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-15-04
HOP-DDH-15-03
HOP-DDH-16-15
HOP-DDH-15-02
HOP-DDH-16-14
HOP-DDH-15-07
HOP-DDH-15-01
HOP-DDH-11-06
HOP-DDH-16-16
HOP-DDH-16-12
HOP-DDH-15-08
HOP-DDH-15-09
HOP-DDH-16-13
HOP-DDH-11-05
HOP-DDH-11-04
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

Soil Ag (ppm)
≥2 <5.5
≥1 <2
≥0.5 <1
≥0.2 <0.5
≥0.1 <0.2
≥0 <0.1

2011, 2015 and 2016 Diamond drill hole

Hopper Pluton

Aishihik Lake Road
Hopper Main Road
Trail

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: 2016/Hopper | DATE: NOV 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-15-04
HOP-DDH-15-03
HOP-DDH-16-15
HOP-DDH-15-02
HOP-DDH-16-14
HOP-DDH-15-01
HOP-DDH-15-07
HOP-DDH-11-06
HOP-DDH-16-16
HOP-DDH-16-12
HOP-DDH-15-08
HOP-DDH-15-09
HOP-DDH-16-13
HOP-DDH-11-05
HOP-DDH-11-03
HOP-DDH-11-02
HOP-DDH-16-11
HOP-DDH-11-01
HOP-DDH-16-10

Soil Mo (ppm)
- ≥50 <172
- ≥20 <50
- ≥10 <20
- ≥5 <10
- ≥2 <5
- ≥0 <2

2011, 2015 and 2016 Diamond drill hole

2011 Percussion drill hole

Hopper Pluton

Aishihik Lake Road

Hopper Main Road

Trail

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: 2016/Hopper | DATE: NOV 2016

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 Kelowna, 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, 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
November 30, 2016

Contract Diamond Drilling

Platinum Diamond Drilling Inc.	$219,397.47

318 drill core samples at $219,397.47 = 689.93/sample

APPENDIX III

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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

Finalized Date: 11- OCT- 2016
Account: MTT

CERTIFICATE WH16151561

Project: Hopper

P.O. No.: Batch#1

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9- SEP- 2016.

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

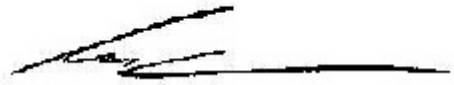
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151561

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052751		3.58	0.09	1.46	4.3	320	0.28	1.73	24.9	0.22	2.61	3.5	10	0.70	14.7	1.15
S052752		2.38	0.20	1.26	2.6	50	0.31	1.89	28.3	0.12	7.38	4.1	12	0.26	10.8	1.76
S052753		3.44	0.13	3.53	3.7	200	0.44	2.52	17.25	0.08	14.70	9.3	44	0.36	8.2	2.67
S052754		1.80	0.09	2.99	2.9	240	0.50	2.35	19.30	0.12	9.78	7.1	32	0.38	6.9	2.38
S052755		4.80	0.04	1.74	1.9	470	0.38	1.56	25.2	0.11	1.86	4.3	10	0.65	7.4	1.70
S052756		2.62	0.18	4.22	2.5	690	1.12	5.96	12.40	0.11	37.3	14.4	32	1.39	140.0	4.81
S052757		4.66	0.07	4.40	2.7	600	1.57	5.35	10.85	0.16	37.6	15.0	45	2.04	60.8	4.10
S052758		0.32	31.7	7.35	134.0	110	0.59	11.60	5.99	34.0	29.6	93.7	121	1.77	6690	9.47
S052759		3.30	0.11	6.95	1.1	1150	1.39	0.28	4.10	0.14	68.8	16.1	121	2.47	129.5	3.50
S052760		3.18	0.53	7.58	1.3	2070	1.12	2.31	2.75	0.12	28.1	4.3	24	1.41	432	1.20
S052761		4.36	0.01	0.06	<0.2	20	0.06	0.03	20.5	0.06	1.22	0.7	1	0.13	2.9	0.45
S052762		3.26	0.20	5.20	0.8	950	1.24	0.18	3.30	0.09	54.4	6.3	69	1.67	155.5	1.92
S052763		3.86	0.18	2.81	3.0	620	0.75	0.26	1.57	0.07	35.0	10.7	77	0.85	208	1.90
S052764		6.44	0.26	4.79	2.4	350	1.34	0.25	7.60	0.16	89.3	43.2	321	6.38	305	6.17
S052765		5.68	1.23	4.87	2.1	240	1.57	3.64	14.05	0.29	117.5	48.5	395	3.17	1280	7.90
S052766		6.68	0.64	8.13	2.0	2290	1.10	1.47	3.12	0.18	37.4	6.7	23	1.38	593	1.77
S052767		5.86	0.67	5.50	3.1	210	1.55	1.21	10.35	0.34	103.5	38.7	337	1.79	595	6.42
S052768		4.46	2.95	6.19	2.5	110	1.53	4.08	13.10	0.87	100.5	42.6	222	1.15	2720	5.97
S052769		4.74	0.08	5.86	1.7	310	1.45	0.24	9.55	0.13	81.4	49.5	390	6.98	97.6	7.12
S052770		4.28	1.05	5.28	5.2	90	1.11	1.08	16.05	0.37	84.2	61.8	453	1.01	1100	6.04
S052771		4.50	0.85	6.02	37.5	100	1.17	4.82	13.85	0.28	61.5	33.2	322	1.17	788	4.96
S052772		4.22	0.01	0.05	<0.2	20	<0.05	0.02	19.25	0.06	1.01	0.7	1	0.10	4.5	0.43
S052773		3.88	0.26	5.06	1.3	230	1.11	0.34	12.65	0.15	85.9	46.9	410	4.63	251	6.58
S052774		5.16	0.12	1.66	3.5	200	0.67	0.12	20.4	0.29	22.7	5.9	21	3.32	132.0	1.49
S052775		0.32	36.2	7.91	536	1270	1.86	1.23	0.32	32.0	74.1	6.0	19	3.37	137.5	5.43
S052776		2.90	0.79	2.30	1.9	140	1.15	0.29	17.45	0.33	34.4	20.5	46	3.48	831	4.28
S052777		5.78	0.28	4.84	2.8	90	1.86	0.18	15.95	0.22	30.2	4.5	7	2.86	212	1.92
S052778		4.64	0.07	2.78	15.2	760	0.62	0.68	12.55	0.27	5.30	5.6	27	0.77	21.3	2.56
S052779		<0.02	0.07	2.82	13.7	780	0.62	0.67	13.05	0.22	6.02	5.5	24	0.82	17.8	2.65
S052780		5.14	0.06	1.37	2.6	540	0.73	0.24	15.85	0.12	9.63	10.6	25	0.75	20.1	6.86
S052781		8.16	0.08	1.46	65.9	330	0.42	1.67	14.70	0.21	6.69	6.3	26	0.98	23.5	2.07
S052782		6.28	0.08	1.89	3.3	540	0.39	1.69	12.70	0.10	5.08	10.6	26	0.54	33.0	4.97
S052783		5.50	0.25	1.57	2.1	390	0.53	10.15	13.10	0.13	23.5	18.0	27	0.74	173.5	8.31
S052784		5.46	0.23	1.57	10.3	400	0.42	15.35	13.55	0.18	34.0	20.1	31	0.46	111.0	8.73
S052785		6.04	0.14	3.39	72.3	1460	0.45	1.54	10.15	0.13	21.2	16.3	21	0.82	80.6	1.89
S052786		5.66	0.11	2.77	18.3	2260	0.47	0.59	7.83	0.11	12.70	8.1	32	1.07	37.1	2.51

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VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151561

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052751		2.85	0.05	0.1	0.067	0.71	1.9	2.0	0.76	1480	2.93	0.34	0.6	4.9	110	4.7
S052752		3.94	0.05	0.3	0.076	0.12	4.9	6.2	1.05	1600	1.26	0.02	1.6	6.5	220	18.1
S052753		9.03	0.07	0.9	0.067	0.49	6.8	9.2	1.55	1980	0.87	0.70	4.0	27.0	520	8.9
S052754		8.57	0.06	0.5	0.078	0.41	5.1	9.5	1.38	2060	1.02	0.32	2.7	18.0	360	8.0
S052755		2.91	0.07	0.2	0.063	0.83	1.2	1.9	1.10	2450	0.85	0.57	0.7	4.4	120	4.4
S052756		9.87	0.10	0.3	0.148	1.91	18.7	8.7	1.19	2860	2.79	0.91	5.0	16.2	740	8.3
S052757		12.55	0.09	0.3	0.108	1.87	19.0	5.3	1.95	2120	2.64	0.79	6.8	26.9	570	7.8
S052758		11.50	0.11	0.8	2.47	1.00	16.9	8.7	2.24	863	57.9	0.83	2.8	368	680	8540
S052759		15.05	0.14	0.5	0.053	1.91	34.9	6.3	1.96	551	2.19	2.80	17.8	75.5	1720	12.5
S052760		15.65	0.18	1.9	0.063	4.10	13.5	1.8	0.67	262	6.48	2.13	5.8	9.7	780	8.2
S052761		0.25	0.16	<0.1	<0.005	0.03	0.6	1.0	12.65	194	0.13	0.01	0.2	1.7	190	1.7
S052762		11.95	0.18	0.4	0.040	3.05	26.2	6.7	1.58	485	6.83	1.10	10.7	42.1	420	7.4
S052763		8.71	0.11	0.3	0.030	1.20	16.5	6.3	0.94	322	5.99	0.75	6.4	56.4	590	3.7
S052764		15.30	0.15	0.7	0.083	1.27	44.7	16.8	5.00	900	1.95	0.90	38.1	321	1890	4.3
S052765		16.85	0.17	1.3	0.215	0.97	59.3	11.1	4.07	1300	9.92	0.69	58.2	293	2970	4.4
S052766		17.40	0.16	2.0	0.078	3.95	19.8	2.4	0.80	380	4.02	2.25	6.6	32.0	870	6.5
S052767		16.70	0.14	0.9	0.111	0.74	52.4	18.1	5.92	1060	2.77	1.14	46.0	292	2180	10.6
S052768		18.70	0.13	1.2	0.262	0.61	52.1	16.9	3.66	1300	5.31	0.87	44.2	239	1940	11.4
S052769		17.30	0.14	0.8	0.079	1.43	38.4	16.4	5.34	974	1.55	1.22	42.2	356	1840	4.2
S052770		16.45	0.13	1.1	0.185	0.47	42.8	8.8	3.51	1310	1.17	0.69	44.0	356	1790	4.6
S052771		16.45	0.11	1.1	0.209	0.63	29.5	8.9	3.13	1440	0.98	1.07	33.0	328	1500	5.0
S052772		0.19	0.09	<0.1	<0.005	0.02	0.5	0.9	12.05	187	0.35	0.01	0.2	1.8	180	1.2
S052773		16.55	0.14	1.1	0.137	1.07	42.8	22.7	5.71	1060	0.81	0.42	49.8	383	1910	6.1
S052774		4.85	0.08	0.3	0.035	0.94	12.0	11.2	8.11	476	108.5	0.26	6.3	14.5	350	3.3
S052775		22.2	0.16	2.2	0.240	3.55	36.0	24.4	0.30	1020	5.50	0.07	13.3	7.2	1800	4020
S052776		8.43	0.08	0.6	0.190	0.69	16.8	13.7	6.48	1150	0.50	0.55	16.3	36.3	780	9.6
S052777		12.00	0.09	1.3	0.084	0.71	18.2	12.4	6.61	874	0.59	0.57	10.9	9.6	1000	5.6
S052778		5.15	0.05	0.2	0.039	1.07	3.5	1.7	1.39	1860	4.05	0.95	2.7	19.9	270	5.8
S052779		5.39	0.07	0.1	0.034	1.11	4.1	1.8	1.45	1950	4.18	0.96	2.9	19.7	290	5.8
S052780		4.07	0.09	0.3	0.091	0.89	5.8	4.1	3.48	4430	1.00	0.22	4.9	25.5	1220	4.8
S052781		3.34	0.07	0.1	0.027	0.55	4.9	3.2	2.07	1790	6.83	0.51	2.4	21.1	320	4.3
S052782		3.98	0.07	0.2	0.116	0.98	2.9	2.5	1.59	3480	2.77	0.58	1.9	19.4	310	4.2
S052783		4.86	0.08	0.3	0.248	0.86	11.4	5.3	1.76	4160	6.16	0.27	2.3	21.2	1200	5.3
S052784		6.00	0.10	0.5	0.238	0.85	16.7	3.8	2.06	4680	30.4	0.27	11.1	35.4	1020	6.5
S052785		6.63	0.08	0.3	0.050	1.91	10.1	1.9	0.84	2190	5.11	0.88	3.6	35.9	490	6.4
S052786		6.17	0.08	0.2	0.070	2.30	6.9	2.0	0.89	1870	4.32	0.48	3.4	26.3	350	6.2

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052751		30.2	0.006	0.01	0.36	0.9	1	0.4	209	<0.05	0.30	0.34	0.022	0.13	1.5	7
S052752		5.0	0.002	0.03	1.35	2.3	1	1.6	194.5	0.11	0.08	1.08	0.054	0.04	1.8	15
S052753		18.6	<0.002	<0.01	1.72	6.3	1	0.8	151.0	0.23	0.57	2.37	0.182	0.10	2.3	51
S052754		16.7	<0.002	<0.01	1.84	4.1	1	0.8	136.0	0.17	0.51	1.90	0.116	0.07	2.2	34
S052755		30.6	<0.002	<0.01	0.35	0.9	<1	0.2	250	0.06	0.36	0.38	0.021	0.09	1.6	5
S052756		81.1	0.004	0.15	0.61	8.1	1	1.3	268	0.35	1.36	5.94	0.186	0.29	2.3	64
S052757		82.6	0.003	0.28	0.49	7.6	2	1.8	196.5	0.43	1.29	5.33	0.221	0.31	2.9	66
S052758		44.1	0.018	6.44	31.2	12.8	14	6.9	155.0	0.22	0.53	3.40	0.203	2.31	6.0	392
S052759		99.4	0.002	0.43	0.44	10.3	1	2.0	647	0.95	0.09	5.82	0.599	0.40	1.3	89
S052760		144.5	0.002	0.12	0.44	6.0	1	1.3	449	0.44	1.25	8.24	0.204	0.69	3.9	51
S052761		1.2	<0.002	<0.01	0.08	0.2	1	<0.2	48.9	<0.05	<0.05	0.08	<0.005	<0.02	0.5	2
S052762		136.0	0.002	0.11	0.45	8.2	<1	2.0	215	0.75	0.07	9.65	0.317	0.47	1.8	57
S052763		54.9	0.004	0.36	0.27	7.3	1	1.3	141.0	0.39	0.14	3.41	0.240	0.21	1.5	68
S052764		94.5	0.002	0.35	0.48	16.1	2	2.0	255	2.14	0.09	3.88	1.115	0.45	1.4	145
S052765		60.7	0.018	1.18	0.79	20.1	4	3.3	421	3.19	1.64	4.66	1.410	0.28	3.8	194
S052766		146.5	0.002	0.21	0.41	6.9	1	1.1	343	0.49	0.66	9.38	0.239	0.87	3.7	62
S052767		44.3	0.002	0.23	0.72	18.4	2	2.4	365	2.51	0.50	5.11	1.250	0.18	2.2	187
S052768		50.4	0.003	0.97	2.21	17.5	4	4.5	432	2.48	2.02	4.42	1.330	0.19	3.9	173
S052769		92.3	0.002	0.30	0.51	19.4	1	2.2	320	2.49	0.08	3.97	1.325	0.44	1.9	178
S052770		31.1	<0.002	0.77	0.78	20.1	3	2.9	401	2.17	0.57	3.66	1.290	0.11	2.5	169
S052771		43.2	<0.002	0.29	1.83	20.4	2	2.8	437	1.87	2.23	2.54	1.185	0.17	2.2	160
S052772		0.7	<0.002	<0.01	0.06	0.1	1	<0.2	44.5	<0.05	<0.05	0.06	<0.005	<0.02	0.5	1
S052773		87.3	<0.002	0.35	0.64	20.7	2	3.0	212	2.68	0.11	3.67	1.355	0.33	2.2	184
S052774		63.0	0.080	0.27	0.27	4.0	2	0.9	636	0.37	<0.05	2.72	0.117	0.26	2.4	34
S052775		176.5	0.004	0.63	69.3	14.7	4	20.9	388	0.78	0.34	6.94	0.447	1.96	3.6	147
S052776		53.6	<0.002	0.93	0.47	9.9	4	2.5	677	0.84	0.13	5.37	0.273	0.25	2.1	97
S052777		69.0	<0.002	0.13	0.57	5.5	1	2.1	1025	0.55	0.05	3.10	0.230	0.30	2.3	63
S052778		40.1	0.019	0.08	0.36	1.8	1	0.5	370	0.16	0.05	1.47	0.052	0.12	2.1	24
S052779		42.2	0.021	0.07	0.33	2.0	1	0.4	371	0.17	<0.05	1.46	0.053	0.13	2.1	25
S052780		30.8	0.003	<0.01	0.61	3.6	1	1.2	142.5	0.28	<0.05	2.32	0.128	0.11	2.4	78
S052781		19.9	0.017	0.04	0.50	1.9	1	0.4	213	0.15	0.05	1.75	0.047	0.08	3.0	29
S052782		34.3	0.006	0.01	0.44	1.9	1	0.6	231	0.12	0.28	1.18	0.050	0.12	2.3	27
S052783		31.2	0.008	0.13	0.53	6.8	1	0.9	111.0	0.14	2.43	3.07	0.144	0.14	2.7	70
S052784		29.6	0.025	0.12	0.76	11.8	2	1.3	112.0	0.87	4.40	6.40	0.297	0.11	3.8	103
S052785		69.5	0.005	0.13	0.46	4.9	1	0.7	356	0.26	0.20	3.95	0.124	0.22	2.1	47
S052786		88.2	0.007	0.06	0.40	5.3	1	0.6	175.5	0.22	0.15	2.94	0.112	0.26	2.3	49

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

ALS Canada Ltd.
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North Vancouver BC V7H 0A7
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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: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151561

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.001
S052751		2.1	6.5	39	3.8	0.019
S052752		2.1	8.2	61	12.3	0.011
S052753		1.5	13.4	65	36.3	0.080
S052754		1.1	11.6	76	19.7	0.081
S052755		0.8	8.9	43	5.1	0.017
S052756		1.3	15.3	74	9.2	0.190
S052757		1.0	18.9	72	8.7	0.447
S052758		6.0	13.9	7930	27.5	1.195
S052759		0.8	15.9	53	10.4	0.002
S052760		7.7	11.4	21	65.6	0.067
S052761		0.1	0.8	15	<0.5	<0.001
S052762		1.6	15.0	26	10.6	0.006
S052763		1.0	11.3	21	9.9	0.008
S052764		1.2	18.6	77	15.1	0.004
S052765		2.7	22.3	96	30.5	0.176
S052766		1.2	12.4	28	70.5	0.085
S052767		1.2	19.8	117	19.2	0.007
S052768		16.3	22.1	137	28.7	0.023
S052769		1.6	18.8	87	17.5	<0.001
S052770		1.9	19.8	85	25.2	0.020
S052771		2.4	17.5	77	26.0	0.029
S052772		0.1	0.7	14	<0.5	<0.001
S052773		1.9	19.5	83	24.7	0.001
S052774		0.8	9.8	74	9.4	0.004
S052775		3.7	20.9	2470	68.9	1.405
S052776		2.2	19.1	111	13.0	0.013
S052777		2.8	15.5	75	51.2	0.009
S052778		0.3	11.8	121	5.0	0.005
S052779		0.4	12.0	122	4.9	0.006
S052780		2.0	19.7	225	8.8	0.036
S052781		1.0	11.6	112	4.6	0.022
S052782		0.8	10.2	99	6.2	0.122
S052783		26.4	14.1	97	6.7	0.700
S052784		2.2	21.4	122	11.7	1.020
S052785		1.3	16.3	60	7.5	0.056
S052786		9.1	12.5	61	6.1	0.025

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VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151561

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	SPL- 21	SPL- 21d	WEI- 21

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Finalized Date: 11- OCT- 2016
Account: MTT

CERTIFICATE WH16151563

Project: Hopper

P.O. No.: Batch #2

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 9- SEP- 2016.

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

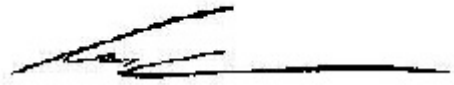
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151563

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052787		8.08	0.96	1.71	4.7	430	0.62	14.00	16.00	0.24	14.75	16.8	31	1.56	1200	7.74
S052788		5.60	0.01	0.67	<0.2	50	0.14	0.16	19.30	0.26	6.42	1.5	11	1.07	9.5	0.41
S052789		7.86	0.02	1.87	1.8	150	0.41	0.16	18.05	0.19	12.05	1.4	7	2.52	10.9	0.61
S052790		<0.02	0.03	1.74	1.3	130	0.33	0.15	17.80	0.21	10.35	1.4	7	2.69	6.8	0.57
S052791		6.66	0.02	0.86	1.8	80	0.25	0.13	20.6	0.23	7.11	2.4	6	1.91	17.4	0.74
S052792		7.46	0.06	0.44	5.0	20	0.08	0.76	17.55	0.08	2.17	17.1	8	2.78	221	6.63
S052793		3.18	0.18	0.95	1.7	70	0.40	3.63	8.26	0.07	7.86	47.5	18	3.77	565	16.60
S052794		4.28	0.01	0.05	<0.2	20	<0.05	0.04	20.5	0.07	1.14	0.6	<1	0.16	2.3	0.49
S052795		4.46	0.20	4.17	8.2	750	1.06	26.3	1.59	0.06	45.4	25.4	52	3.57	318	5.44
S052796		7.74	0.15	5.37	1.3	1350	0.78	0.34	7.17	0.17	59.4	69.1	94	3.28	320	9.93
S052797		5.68	0.20	3.84	1.1	880	0.78	0.47	8.48	0.21	23.2	74.5	155	2.31	558	10.30
S052798		4.02	0.16	7.65	2.2	460	0.44	0.44	3.12	0.07	215	50.2	156	5.01	348	10.75
S052799		2.06	0.13	7.38	2.2	650	0.52	0.39	2.93	0.09	205	44.7	134	4.58	312	9.66
S052800		5.84	0.53	6.73	6.7	820	1.75	0.23	2.48	0.24	80.8	12.6	71	1.71	450	3.46
S052801		5.08	2.21	6.63	2.9	1090	1.65	1.19	3.27	0.47	94.2	23.4	131	4.11	2850	5.25
S052802		4.68	1.91	6.94	3.9	830	1.32	2.28	2.19	0.39	93.8	20.2	111	5.33	2440	4.35
S052803		4.50	0.42	6.24	1.7	1220	1.40	6.51	1.74	0.15	79.6	7.7	55	2.35	429	2.35
S052804		5.84	3.06	3.90	1.2	140	1.29	4.06	14.75	0.53	93.9	48.0	52	1.02	4490	10.65
S052805		0.32	32.4	7.65	126.5	160	0.57	9.65	6.16	34.6	30.8	93.4	122	1.72	6870	9.87
S052806		7.56	1.00	5.71	1.3	820	1.72	1.22	3.96	0.31	79.7	22.3	94	1.82	1540	4.74
S052807		7.86	2.87	6.23	1.1	650	1.89	3.53	2.65	0.52	81.1	37.9	59	1.47	3940	3.92
S052808		5.68	1.32	6.73	10.0	770	1.82	1.26	2.27	0.70	80.9	15.1	62	2.09	1680	3.05
S052809		3.56	2.88	6.54	1.6	890	1.88	2.84	3.48	0.53	88.9	17.7	80	2.50	4000	3.43
S052810		4.64	0.35	5.76	4.2	840	1.40	0.86	2.61	0.43	66.9	14.1	68	2.97	466	2.78
S052811		0.32	35.2	7.99	547	1280	2.00	1.18	0.29	31.0	72.1	5.8	18	3.20	141.5	5.57
S052812		5.10	0.18	5.53	2.1	820	1.80	0.46	3.80	0.09	67.5	19.6	65	3.16	389	4.81
S052813		2.68	0.94	6.34	2.3	1010	1.73	0.40	1.86	0.21	65.1	13.2	78	4.18	1280	3.21
S052814		2.78	0.43	8.22	1.5	2110	1.46	0.44	2.74	0.23	44.0	6.8	20	0.57	845	2.77
S052815		4.24	0.01	0.07	<0.2	20	0.07	0.03	21.0	0.06	1.13	0.6	1	0.11	6.0	0.46
S052816		4.78	0.58	0.68	29.1	20	0.05	21.7	10.20	0.18	10.30	16.4	9	<0.05	908	10.30
S052817		7.16	0.71	1.53	19.8	10	<0.05	17.95	12.45	0.23	5.65	25.3	8	<0.05	1050	11.25
S052818		3.36	0.12	0.51	1.8	50	0.26	7.53	3.78	0.10	11.35	5.2	23	0.22	137.0	1.51
S052819		9.70	0.44	0.90	11.3	<10	0.06	3.78	12.50	0.21	4.14	16.5	4	<0.05	898	8.99
S052820		3.34	0.25	0.56	0.9	20	0.17	0.67	13.20	0.18	2.57	11.3	4	<0.05	477	2.42
S052821		5.40	0.84	0.68	2.6	10	0.10	2.89	9.04	0.38	4.13	23.5	4	0.10	1090	3.69
S052822		3.18	1.98	1.07	2.6	20	0.40	4.55	2.89	0.63	29.2	23.2	6	0.32	2520	5.14

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

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VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151563

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052787		4.34	0.07	0.2	0.217	1.05	8.9	5.5	4.08	2860	9.04	0.34	3.0	27.1	430	4.4
S052788		2.02	0.14	0.1	0.009	0.32	5.5	3.3	11.40	268	12.70	0.11	1.0	15.5	270	1.5
S052789		3.56	0.21	0.1	0.021	0.66	7.7	6.2	10.70	305	6.34	0.52	1.5	8.8	270	3.2
S052790		3.38	0.18	0.1	0.018	0.59	6.8	6.1	10.65	295	7.17	0.48	1.5	9.0	270	2.7
S052791		2.16	0.19	0.1	0.025	0.40	4.2	4.7	12.35	402	1.00	0.04	1.1	5.1	230	3.2
S052792		3.08	0.05	0.1	0.075	0.34	1.1	2.7	12.85	753	1.94	0.01	0.8	3.6	110	1.2
S052793		9.59	0.06	0.2	0.095	0.55	5.8	5.9	12.35	763	2.58	0.05	1.3	8.9	220	1.9
S052794		0.21	0.13	<0.1	<0.005	0.02	0.5	1.2	12.75	197	0.84	<0.01	0.1	1.5	250	1.2
S052795		13.05	0.11	0.3	0.040	2.17	23.0	9.8	2.25	441	14.75	0.57	5.9	28.8	560	7.1
S052796		14.00	0.13	0.4	0.069	2.92	28.3	21.8	6.57	1200	0.52	0.86	4.3	39.7	3280	5.1
S052797		11.05	0.09	0.4	0.071	1.93	8.4	13.5	7.81	1460	0.40	0.49	2.3	78.0	2050	2.6
S052798		24.6	0.29	0.6	0.110	3.65	107.0	46.3	3.00	911	1.09	0.88	29.2	78.2	1240	5.1
S052799		23.4	0.23	0.7	0.098	3.54	101.0	39.5	2.58	777	1.06	0.97	26.1	69.9	1200	5.5
S052800		17.95	0.17	0.3	0.057	2.12	40.8	17.0	1.24	478	1.40	1.75	18.6	27.4	760	12.3
S052801		20.4	0.16	0.4	0.179	3.15	47.8	18.9	2.54	641	1.18	1.07	16.6	95.8	950	7.9
S052802		20.1	0.20	0.4	0.131	3.10	47.3	24.4	1.79	491	2.04	0.90	13.9	75.1	520	8.6
S052803		16.05	0.21	0.7	0.041	2.91	40.7	11.3	0.92	283	1.49	1.42	11.2	20.7	500	10.4
S052804		12.80	0.16	0.9	0.486	0.77	61.0	6.8	3.97	3430	24.8	0.46	8.4	40.9	600	2.8
S052805		12.05	0.14	0.8	2.48	1.06	16.0	8.6	2.32	934	58.5	0.85	2.8	394	730	9080
S052806		16.10	0.15	0.3	0.147	2.37	40.2	7.8	1.31	683	2.00	1.45	24.6	31.0	820	14.2
S052807		17.25	0.18	0.3	0.172	2.61	41.4	6.3	0.83	261	3.17	1.70	19.3	28.6	560	11.7
S052808		18.05	0.18	0.3	0.092	2.35	40.2	20.0	0.84	287	2.01	1.41	11.6	30.3	380	29.6
S052809		18.45	0.19	0.4	0.179	2.57	45.0	12.0	0.92	344	3.74	1.56	20.5	24.1	710	12.6
S052810		15.15	0.18	0.5	0.065	2.34	33.8	10.8	0.93	395	3.35	1.17	9.4	23.6	530	13.2
S052811		23.4	0.24	2.1	0.242	3.69	35.8	24.6	0.29	1050	5.50	0.07	12.1	7.2	1840	4130
S052812		15.95	0.19	0.3	0.102	1.97	34.3	13.8	1.22	932	3.14	1.00	10.6	34.8	740	11.1
S052813		17.05	0.19	0.4	0.110	2.90	33.8	17.0	1.11	441	11.50	1.10	11.5	37.8	560	10.7
S052814		17.85	0.19	1.8	0.050	2.81	24.1	6.4	0.84	191	6.97	3.09	6.2	3.2	770	7.9
S052815		0.25	0.12	<0.1	<0.005	0.03	0.5	1.1	13.25	200	0.17	0.01	0.2	1.7	180	2.6
S052816		6.41	0.11	<0.1	0.828	0.02	3.9	0.7	0.07	1070	11.85	0.02	0.2	12.7	170	7.3
S052817		8.53	0.13	0.2	0.760	<0.01	2.0	0.7	0.07	1570	20.1	0.01	0.1	12.8	220	7.6
S052818		1.90	0.09	0.1	0.010	0.08	6.0	1.0	0.10	252	15.80	0.11	0.6	9.9	360	6.2
S052819		5.74	0.12	0.1	0.692	<0.01	1.3	0.4	0.07	1370	15.85	<0.01	0.1	11.0	280	3.6
S052820		1.71	0.09	0.1	0.029	0.01	1.5	0.6	0.05	860	5.42	0.01	0.1	7.2	210	3.9
S052821		2.72	0.12	0.1	0.130	0.02	2.3	1.2	0.06	773	7.59	0.02	0.2	14.6	180	4.7
S052822		4.69	0.13	0.1	0.298	0.10	17.8	5.5	0.33	384	10.55	0.07	1.0	16.6	900	4.5

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Finalized Date: 11- OCT- 2016
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Project: Hopper

CERTIFICATE OF ANALYSIS WH16151563

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052787		49.0	0.019	1.12	0.46	3.0	3	0.9	192.0	0.20	7.91	2.47	0.076	0.18	4.8	43
S052788		17.3	0.016	0.01	0.13	1.1	1	0.2	106.5	0.08	<0.05	0.77	0.030	0.10	5.9	26
S052789		42.5	0.009	0.01	0.24	1.2	1	0.5	243	0.10	<0.05	1.99	0.049	0.22	3.5	19
S052790		38.0	0.008	0.01	0.23	1.1	<1	0.4	227	0.10	<0.05	1.77	0.046	0.22	3.7	18
S052791		35.8	0.003	0.08	0.21	1.3	1	0.3	127.0	0.06	0.06	1.04	0.038	0.15	2.6	14
S052792		47.9	0.002	0.82	0.28	0.9	2	0.5	69.0	0.05	0.51	0.78	0.022	0.19	3.5	15
S052793		64.4	0.005	2.54	0.61	1.7	4	1.1	28.1	0.09	2.29	1.41	0.045	0.28	7.3	50
S052794		1.2	<0.002	<0.01	0.07	0.2	1	<0.2	49.9	<0.05	<0.05	0.05	<0.005	<0.02	0.5	2
S052795		113.5	0.022	1.29	0.47	7.3	2	1.4	123.5	0.37	17.15	7.06	0.199	0.58	2.8	89
S052796		132.0	<0.002	1.05	0.35	45.3	2	1.6	429	0.24	0.17	7.04	0.700	0.63	0.8	410
S052797		94.9	0.002	1.31	0.36	51.4	2	1.5	198.5	0.11	0.40	1.35	0.576	0.45	0.4	379
S052798		178.0	<0.002	2.36	0.50	22.8	2	4.5	417	1.42	0.17	26.3	1.000	0.91	1.8	236
S052799		165.0	0.002	2.31	0.47	20.3	3	4.2	444	1.33	0.16	25.0	0.915	0.88	1.9	214
S052800		80.9	<0.002	0.33	0.45	9.5	1	2.3	506	1.13	0.11	12.40	0.420	0.40	2.0	75
S052801		153.5	<0.002	0.61	0.45	12.9	3	3.4	336	1.10	0.98	13.90	0.587	0.72	2.5	113
S052802		143.5	<0.002	0.61	0.77	12.3	2	4.2	234	0.94	1.60	18.10	0.436	0.68	2.9	92
S052803		123.0	<0.002	0.20	0.24	8.0	1	2.2	353	0.74	4.46	12.90	0.311	0.57	2.2	64
S052804		37.9	0.031	2.57	0.50	5.7	9	12.6	110.5	0.54	2.51	5.88	0.169	0.18	3.0	59
S052805		46.2	0.018	6.56	30.8	12.5	15	7.5	160.0	0.21	0.75	3.34	0.211	2.50	5.5	406
S052806		96.0	0.003	1.47	0.43	10.1	4	3.0	398	1.52	0.86	10.70	0.381	0.41	2.0	70
S052807		104.0	<0.002	1.85	0.37	8.5	4	3.3	350	1.36	2.45	12.40	0.349	0.39	2.2	55
S052808		102.0	<0.002	0.74	0.68	9.6	1	3.3	367	0.84	1.01	13.85	0.311	0.49	2.1	57
S052809		111.5	<0.002	1.20	0.43	9.8	4	3.4	345	1.34	2.05	12.90	0.417	0.48	2.3	65
S052810		113.5	0.003	0.53	0.51	8.4	2	3.7	328	0.65	0.44	11.20	0.294	0.50	2.3	58
S052811		172.0	0.004	0.62	69.1	14.6	4	20.9	395	0.75	0.32	6.63	0.452	2.09	3.3	146
S052812		96.9	<0.002	0.77	0.38	11.8	2	2.3	282	0.69	0.30	9.60	0.331	0.44	2.0	83
S052813		151.0	<0.002	0.44	0.34	10.3	2	2.5	236	0.79	0.44	10.70	0.356	0.71	2.4	73
S052814		101.0	<0.002	0.86	0.29	7.3	2	1.6	802	0.45	0.25	8.90	0.253	0.39	3.8	69
S052815		1.0	<0.002	<0.01	0.07	0.2	<1	<0.2	50.3	<0.05	<0.05	0.07	<0.005	<0.02	0.6	2
S052816		0.4	0.007	2.15	0.05	0.3	4	3.3	9.4	<0.05	9.63	0.63	0.015	0.02	9.2	2
S052817		0.2	0.009	2.72	0.06	0.9	6	5.1	8.7	<0.05	8.45	0.77	0.021	0.02	5.4	6
S052818		2.4	0.008	0.70	0.05	0.8	2	0.8	46.9	<0.05	4.17	2.31	0.104	0.03	1.5	9
S052819		0.1	0.005	2.44	<0.05	0.3	5	4.9	8.6	<0.05	1.71	0.57	0.019	<0.02	4.9	3
S052820		0.1	<0.002	1.41	0.05	0.3	3	0.3	45.2	<0.05	0.25	0.46	0.030	<0.02	1.1	1
S052821		0.6	0.002	1.82	0.14	0.3	4	2.4	41.4	<0.05	0.92	0.71	0.030	<0.02	1.1	2
S052822		5.8	0.011	2.69	0.07	1.5	5	1.7	33.5	<0.05	1.16	2.11	0.140	0.05	1.6	21

***** 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: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151563

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.001
S052787		10.2	9.4	96	7.4	0.143
S052788		0.4	8.6	53	3.8	0.005
S052789		1.6	6.5	38	4.1	0.005
S052790		1.7	6.4	36	4.1	0.005
S052791		2.2	4.5	35	4.6	0.005
S052792		52.4	5.5	22	4.6	<0.001
S052793		187.0	6.3	41	7.5	0.022
S052794		0.4	0.9	16	<0.5	<0.001
S052795		3270	11.1	29	10.9	0.008
S052796		4.0	14.1	95	7.1	0.002
S052797		11.6	10.7	99	8.9	0.003
S052798		1.6	26.3	107	19.3	0.001
S052799		1.5	25.4	96	23.9	0.001
S052800		2.5	14.7	62	10.3	0.019
S052801		1.3	18.4	97	10.7	0.124
S052802		2.9	17.0	76	12.4	0.146
S052803		2.2	12.9	36	26.2	0.029
S052804		6.9	13.4	137	30.9	0.155
S052805		6.7	12.8	8410	28.4	1.600
S052806		27.0	20.8	70	9.9	0.046
S052807		15.2	20.8	67	9.1	0.140
S052808		2.8	15.9	80	9.4	0.061
S052809		41.4	19.8	71	9.6	0.112
S052810		4.1	14.7	61	15.2	0.013
S052811		3.8	20.3	2490	68.4	1.480
S052812		5.2	15.4	49	9.3	0.012
S052813		2.6	14.4	52	14.8	0.022
S052814		1.6	12.7	26	59.3	0.005
S052815		0.1	0.8	16	<0.5	<0.001
S052816		86.7	8.6	24	1.9	0.045
S052817		41.1	13.0	25	7.7	0.128
S052818		0.3	8.4	14	1.7	0.025
S052819		44.8	11.5	23	3.9	0.044
S052820		0.8	5.8	15	2.2	0.020
S052821		2.3	5.9	42	2.7	0.031
S052822		22.0	10.3	75	3.7	0.094

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16151563

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	SPL- 21	SPL- 21d	WEI- 21

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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: 12- OCT- 2016
Account: MTT

CERTIFICATE WH16153140

Project: Hopper

P.O. No.: Batch #3

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 12- SEP- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

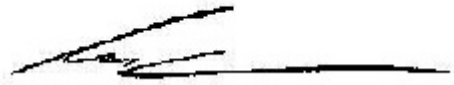
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS61	48 element four acid ICP- MS	
Cu- OG46	Ore Grade Cu - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	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

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VANCOUVER BC V6B 1L8

Finalized Date: 12- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16153140

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052823		5.68	0.43	6.66	1.6	800	1.79	0.66	4.82	0.18	76.7	17.3	65	2.98	475	4.09
S052824		8.92	1.27	5.70	4.3	360	1.25	1.70	11.80	0.45	98.9	43.7	377	2.27	1600	7.52
S052825		0.32	31.1	8.11	555	1310	1.74	1.27	0.31	31.4	73.4	6.3	19	3.47	135.5	5.65
S052826		6.12	0.33	3.87	1.8	810	1.07	3.11	6.04	0.19	40.1	17.1	37	1.64	663	6.06
S052827		4.74	0.44	2.48	4.7	540	1.04	5.50	14.45	0.20	10.85	17.4	12	1.50	653	5.28
S052828		5.70	0.60	3.48	2.0	170	1.03	7.53	10.50	0.18	29.3	28.0	19	1.15	1270	11.00
S052829		7.64	0.11	5.52	2.5	460	0.62	0.31	16.85	0.08	11.65	9.2	18	0.37	22.3	8.89
S052830		8.78	0.34	5.54	3.6	1050	1.51	9.41	13.65	0.13	50.3	11.4	14	0.86	306	8.38
S052831		3.50	0.33	5.56	3.3	1150	1.53	5.37	13.50	0.15	37.1	14.3	12	0.83	311	8.38
S052832		9.30	0.09	4.31	3.5	420	1.53	7.84	15.65	0.09	29.7	11.2	12	0.34	16.6	9.47
S052833		4.28	0.01	0.05	<0.2	20	<0.05	0.06	21.5	0.05	1.14	0.6	<1	0.09	2.1	0.49
S052834		8.90	0.53	2.75	13.6	10	0.78	1.73	20.3	0.19	7.99	25.8	13	0.34	552	11.25
S052835		9.22	0.16	3.22	6.3	100	1.43	1.00	17.60	0.21	44.1	10.5	16	0.42	126.5	6.92
S052836		7.22	0.73	3.18	6.2	410	1.59	0.38	15.90	0.37	43.4	10.5	62	1.09	910	5.76
S052837		8.42	0.35	7.04	2.2	120	0.94	0.45	14.00	0.18	54.6	4.9	268	2.50	311	2.14
S052838		6.50	0.17	2.34	2.8	200	0.99	0.65	16.70	0.16	26.1	9.2	17	2.05	216	2.19
S052839		0.32	31.3	7.38	138.5	120	0.52	10.65	6.17	35.0	28.3	92.6	124	1.66	6950	9.89
S052840		3.78	0.27	1.72	3.9	390	0.70	1.26	12.85	0.17	8.75	24.9	32	0.49	300	8.97
S052841		8.42	0.52	1.17	7.7	190	0.65	5.65	15.15	0.22	10.35	55.3	21	0.24	1040	15.80
S052842		2.92	0.07	1.19	1.9	370	0.58	0.55	10.35	0.11	5.06	10.1	30	0.46	41.4	5.44
S052843		4.12	0.01	0.04	<0.2	20	<0.05	0.06	21.1	0.06	0.93	0.7	1	0.09	4.9	0.49
S052844		5.12	0.25	2.16	9.5	620	0.55	0.25	10.10	0.15	70.4	14.0	29	0.51	268	7.36
S052845		7.58	0.30	4.20	4.3	1340	0.76	0.96	7.00	0.16	25.5	9.4	20	0.58	327	3.95
S052846		<0.02	0.33	4.10	4.3	1330	0.71	0.96	6.84	0.16	27.3	10.3	20	0.59	348	3.91
S052847		3.10	6.87	3.28	2.8	100	0.73	84.0	7.08	1.66	23.2	95.4	22	0.62	>10000	13.75
S052848		9.42	0.69	2.30	7.2	80	0.92	1.88	16.65	0.25	55.1	16.3	19	0.32	1010	7.31
S052849		4.36	3.67	1.01	3.4	50	0.71	0.91	15.00	0.93	68.1	23.0	16	1.81	6090	4.73
S052850		3.18	1.81	7.26	1.5	1090	1.04	0.43	9.48	0.35	53.7	10.7	211	0.67	2640	2.92
S052851		6.00	0.35	6.55	1.9	800	1.13	1.88	6.59	0.17	68.8	26.6	205	0.91	580	6.05
S052852		5.90	0.34	4.36	1.2	790	0.65	0.43	3.74	0.19	73.5	17.7	116	0.72	538	3.34
S052853		2.88	0.23	5.10	3.0	1090	0.70	0.31	2.16	0.16	86.5	12.1	66	1.02	432	2.19
S052854		6.74	1.63	4.86	3.0	420	1.04	1.16	7.98	0.50	179.5	63.6	129	1.29	3240	9.95
S052855		6.32	0.03	5.38	<0.2	810	1.14	0.10	2.62	0.08	80.7	28.3	210	4.81	74.3	5.55
S052856		4.06	0.03	7.08	0.3	1300	2.00	0.14	3.33	0.07	84.0	15.5	93	2.07	106.0	4.37
S052857		4.78	1.79	5.62	1.1	540	1.91	0.89	7.66	0.37	63.5	57.1	36	1.04	3240	9.16
S052858		2.80	0.55	7.47	1.0	690	1.87	1.41	3.38	0.11	85.4	38.1	67	5.33	1240	6.34

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

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 12- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16153140

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052823		16.70	0.13	0.3	0.086	2.63	38.1	13.8	1.41	911	1.67	1.33	11.3	36.3	510	13.8
S052824		19.10	0.13	1.3	0.470	1.02	48.8	20.0	4.77	1320	1.58	0.75	44.3	379	2320	5.8
S052825		21.3	0.15	2.4	0.236	3.74	35.4	21.9	0.30	1070	5.61	0.08	12.7	7.6	1810	4160
S052826		9.19	0.10	0.3	0.131	2.74	20.6	8.6	2.43	1340	2.10	0.60	7.8	17.4	290	13.6
S052827		6.85	0.06	0.3	0.126	1.57	7.3	42.3	8.00	766	2.62	0.30	1.8	15.0	230	8.3
S052828		8.54	0.13	0.6	0.220	2.83	19.0	10.0	3.81	2160	3.01	0.40	4.3	13.4	290	5.5
S052829		13.55	0.08	1.3	0.420	1.38	6.6	3.7	1.18	3770	0.67	0.74	8.6	8.0	420	3.6
S052830		13.45	0.09	0.7	0.413	2.44	34.3	5.4	1.55	3080	3.40	0.95	12.3	7.2	580	5.3
S052831		13.55	0.09	0.8	0.417	2.59	24.1	4.7	1.55	3070	3.51	0.99	12.2	8.9	600	5.8
S052832		11.90	0.08	0.9	0.491	0.67	19.6	4.5	1.87	3680	10.15	0.91	7.8	4.2	420	4.7
S052833		0.20	0.12	<0.1	0.006	0.02	0.6	1.1	13.35	212	0.12	0.01	0.2	1.3	200	1.2
S052834		9.73	0.06	1.0	0.595	0.05	4.4	3.7	3.21	3450	30.2	0.03	6.9	9.6	310	3.5
S052835		8.76	0.09	0.5	0.391	0.30	32.3	9.5	5.20	2430	4.41	0.28	5.0	14.6	910	3.9
S052836		8.92	0.09	0.5	0.549	0.96	29.7	14.0	6.13	1750	1.36	0.35	8.3	43.0	1470	5.2
S052837		17.35	0.12	2.7	0.087	0.69	45.6	20.7	5.81	682	2.24	0.67	6.0	40.3	1130	6.2
S052838		6.95	0.08	0.3	0.062	0.70	24.0	19.4	8.86	734	7.67	0.48	9.4	28.1	770	8.0
S052839		12.20	0.12	0.8	2.61	1.06	14.8	8.9	2.30	933	55.2	0.86	3.1	393	730	9090
S052840		5.46	0.07	0.3	0.275	1.09	6.2	6.7	4.01	3540	22.5	0.31	3.4	33.6	560	9.4
S052841		6.43	0.08	0.3	0.728	0.37	5.4	4.1	2.56	4300	42.6	0.12	4.4	40.2	440	3.2
S052842		3.44	0.05	0.3	0.173	0.61	3.7	7.3	3.57	2650	7.14	0.29	1.9	29.8	340	4.9
S052843		0.15	0.11	<0.1	0.005	0.02	0.5	1.0	13.20	213	0.19	<0.01	0.2	1.7	180	1.3
S052844		6.93	0.12	0.6	0.289	1.30	48.8	4.0	2.13	3370	6.89	0.53	10.2	53.2	1080	5.3
S052845		8.71	0.09	0.3	0.195	1.61	14.0	2.4	0.88	2000	4.52	1.19	4.2	39.7	460	7.9
S052846		8.75	0.09	0.3	0.190	1.58	15.1	2.5	0.86	1870	4.37	1.14	4.4	38.8	470	7.7
S052847		8.80	0.14	0.5	0.553	2.16	13.8	5.9	1.37	2000	2760	0.84	5.2	35.8	550	7.7
S052848		8.29	0.07	0.6	0.344	0.23	55.0	9.8	5.71	2630	824	0.45	3.5	23.0	450	18.2
S052849		6.60	0.08	0.4	0.395	0.39	75.6	12.1	9.75	1140	55.3	0.24	1.8	46.2	510	8.3
S052850		17.50	0.12	2.9	0.179	1.76	39.7	6.5	3.73	564	28.4	2.33	5.4	26.3	960	7.8
S052851		18.30	0.11	1.7	0.093	1.64	36.6	10.2	4.43	774	10.30	1.98	8.2	70.0	2630	3.4
S052852		13.05	0.14	0.7	0.056	1.50	39.5	7.6	1.86	419	3.59	1.34	12.7	43.1	930	4.5
S052853		12.90	0.15	0.6	0.037	2.53	50.1	7.5	1.00	238	1.74	1.41	10.8	33.3	560	5.3
S052854		16.65	0.18	0.7	0.237	1.31	113.5	17.4	4.15	1060	1.98	1.07	14.6	95.0	2680	5.0
S052855		16.65	0.13	0.3	0.051	2.90	40.7	28.5	4.35	721	10.95	0.74	13.6	231	890	4.6
S052856		18.15	0.17	0.3	0.038	2.42	44.6	16.6	2.24	655	3.38	2.03	28.0	68.8	1090	9.9
S052857		15.65	0.14	0.5	0.341	1.57	37.5	7.0	1.67	1620	4.09	1.78	14.3	23.2	680	6.8
S052858		21.0	0.16	0.3	0.132	2.79	42.4	20.1	1.25	828	1.49	1.40	12.9	40.3	550	12.6

***** 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: 12- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16153140

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052823		109.0	<0.002	0.51	0.40	12.3	2	2.2	411	0.82	0.24	12.50	0.364	0.49	2.4	84
S052824		63.2	<0.002	1.02	0.84	19.4	2	4.3	403	2.91	0.90	4.91	1.440	0.31	2.7	188
S052825		173.0	<0.002	0.65	61.9	14.3	3	20.7	393	0.87	0.35	7.66	0.473	2.07	3.8	148
S052826		106.0	<0.002	1.44	0.44	5.7	3	1.6	147.5	0.59	1.31	8.63	0.179	0.43	2.7	46
S052827		74.7	0.005	2.41	0.75	1.6	5	1.1	177.0	0.14	2.08	1.06	0.049	0.31	3.5	24
S052828		103.0	0.003	3.14	0.41	3.0	5	1.8	152.0	0.29	3.70	3.63	0.103	0.40	2.5	39
S052829		49.2	<0.002	0.02	1.42	3.4	1	9.3	94.3	0.41	0.10	3.02	0.130	0.20	3.2	36
S052830		87.0	0.003	0.16	0.58	3.6	1	6.1	301	0.58	3.85	4.39	0.162	0.31	3.6	37
S052831		91.5	0.005	0.23	0.58	3.7	2	6.8	318	0.61	2.36	4.42	0.167	0.29	3.8	38
S052832		21.0	0.009	0.15	2.01	2.7	<1	5.3	272	0.42	2.49	5.18	0.116	0.09	5.4	32
S052833		0.9	<0.002	<0.01	0.09	0.1	<1	<0.2	48.4	<0.05	<0.05	0.06	<0.005	<0.02	0.6	2
S052834		4.4	0.011	0.70	0.72	1.9	2	8.9	20.0	0.36	0.58	1.39	0.085	0.04	2.6	24
S052835		16.2	0.002	0.27	0.93	4.7	1	6.5	60.9	0.25	0.40	1.95	0.109	0.08	2.7	43
S052836		59.6	<0.002	0.12	1.04	9.1	1	4.1	156.0	0.49	0.24	3.50	0.182	0.21	2.6	66
S052837		54.8	<0.002	0.08	0.59	24.1	1	2.2	844	0.32	0.22	5.00	0.502	0.15	3.9	179
S052838		52.1	0.008	0.33	0.75	2.8	2	1.2	150.5	0.48	0.27	1.60	0.123	0.22	4.0	39
S052839		32.2	0.017	6.58	30.2	12.5	14	7.2	161.5	0.23	0.68	3.29	0.215	2.57	5.5	412
S052840		42.6	0.055	0.67	0.77	3.0	2	1.1	71.8	0.22	0.47	2.48	0.072	0.16	5.1	41
S052841		13.4	0.041	2.29	0.47	2.2	4	6.1	27.2	0.22	2.24	1.20	0.057	0.08	7.6	40
S052842		21.7	0.013	0.03	0.54	2.7	1	0.8	68.8	0.12	0.18	1.26	0.062	0.12	3.2	39
S052843		0.8	<0.002	0.01	0.10	0.1	<1	<0.2	47.8	<0.05	<0.05	0.08	<0.005	<0.02	0.5	2
S052844		47.2	0.010	0.16	0.49	11.8	1	2.3	134.0	0.76	0.15	11.40	0.315	0.20	3.9	113
S052845		56.3	0.005	0.32	0.42	5.7	1	1.6	493	0.28	0.52	3.81	0.150	0.22	2.0	50
S052846		56.7	0.005	0.42	0.50	5.7	1	1.6	479	0.30	0.60	3.84	0.146	0.20	2.0	49
S052847		84.0	1.915	4.56	0.64	9.6	17	2.8	157.0	0.44	50.7	4.04	0.138	0.35	3.1	49
S052848		12.3	0.264	0.37	0.70	3.3	2	3.8	62.3	0.20	1.05	2.73	0.092	0.06	5.8	43
S052849		42.9	0.046	1.32	0.78	2.2	3	1.8	41.0	0.12	1.11	1.82	0.049	0.16	5.8	38
S052850		78.6	0.008	0.48	0.62	19.0	3	2.8	792	0.36	0.42	6.45	0.423	0.27	5.0	161
S052851		70.2	0.004	0.77	0.46	29.8	2	3.8	569	0.49	1.05	6.46	0.675	0.35	2.5	320
S052852		60.5	0.002	0.87	0.53	13.9	3	3.5	322	0.92	0.29	13.30	0.380	0.30	2.5	102
S052853		99.5	<0.002	0.58	0.48	7.8	2	2.8	369	0.71	0.23	15.65	0.265	0.45	2.5	60
S052854		62.1	<0.002	3.39	0.52	26.7	7	4.9	326	0.83	1.26	13.40	0.736	0.33	2.5	249
S052855		153.5	0.020	0.37	0.14	12.3	1	2.9	299	0.86	0.05	11.10	0.665	0.90	1.6	127
S052856		108.0	<0.002	0.41	0.20	10.1	1	2.8	622	1.57	0.10	11.65	0.530	0.61	2.3	105
S052857		63.5	0.004	2.74	0.34	5.1	11	2.7	450	0.87	0.99	9.31	0.203	0.27	2.9	56
S052858		129.0	0.002	1.57	0.17	13.1	6	3.0	319	0.88	1.18	13.15	0.406	0.68	3.1	88

***** 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: 12- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16153140

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21	Cu- OG46
	Analyte	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	0.1	2	0.5	0.001	0.001
S052823		1.4	20.4	67	9.4	0.058	
S052824		5.8	22.1	107	35.6	0.048	
S052825		3.9	19.9	2540	68.4	1.340	
S052826		5.7	12.2	58	10.9	0.027	
S052827		5.2	7.1	47	9.7	0.016	
S052828		53.9	10.5	74	20.8	0.024	
S052829		16.8	12.2	48	47.3	0.001	
S052830		28.0	10.0	60	24.0	0.071	
S052831		17.9	10.1	62	25.5	0.028	
S052832		7.2	7.7	78	29.3	0.315	
S052833		0.1	0.8	15	<0.5	0.003	
S052834		84.0	10.5	74	35.6	0.036	
S052835		76.4	11.6	71	15.5	0.035	
S052836		20.5	13.7	110	14.1	0.012	
S052837		2.5	21.4	60	102.5	0.013	
S052838		5.3	10.4	60	7.9	0.012	
S052839		6.1	12.6	8440	27.3	1.345	
S052840		33.7	13.1	115	11.6	0.035	
S052841		460	18.9	117	13.3	0.090	
S052842		1.8	7.6	122	10.1	0.013	
S052843		1.3	0.7	16	<0.5	0.001	
S052844		7.1	26.4	111	15.7	0.019	
S052845		7.5	17.8	64	10.7	0.011	
S052846		7.1	17.1	63	10.6	0.013	
S052847		670	17.8	212	17.5	0.555	1.115
S052848		155.5	15.0	93	21.2	0.044	
S052849		2.6	9.4	157	14.5	0.087	
S052850		6.9	19.5	71	111.0	0.101	
S052851		13.8	22.6	63	59.9	0.096	
S052852		2.8	21.3	38	24.8	0.016	
S052853		1.8	16.3	28	20.4	0.011	
S052854		85.0	27.2	104	19.3	0.063	
S052855		0.7	15.7	90	8.0	<0.001	
S052856		1.2	15.9	56	8.4	0.001	
S052857		8.7	13.9	86	15.2	0.078	
S052858		14.1	17.0	64	11.8	0.044	

***** 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: 12- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16153140

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	Cu- OG46	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	ME- OG46
PUL- 31	PUL- 31d	SPL- 21	SPL- 21d
WEI- 21			

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: 19- OCT- 2016
Account: MTT

CERTIFICATE WH16156862

Project: Hopper

P.O. No.: Batch 4

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 17- SEP- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

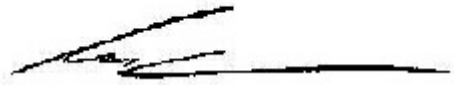
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 19- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16156862

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052859		5.36	0.16	4.77	13.8	960	0.87	0.09	8.08	0.07	43.9	7.2	8	3.82	175.0	3.02
S052860		5.24	0.17	6.12	17.7	180	1.08	0.15	3.13	0.05	50.2	6.1	16	3.02	191.5	2.36
S052861		2.70	0.08	6.34	9.2	760	1.16	0.12	1.72	0.06	45.7	5.8	17	1.96	108.5	1.99
S052862		3.02	0.33	5.72	10.8	900	1.00	0.18	2.56	0.10	27.1	7.2	13	2.57	450	1.56
S052863		6.76	0.05	6.95	17.4	350	1.60	0.10	2.21	0.04	51.3	12.3	11	5.81	54.4	3.23
S052864		0.32	34.0	7.99	533	1260	1.91	1.21	0.29	31.8	72.7	5.9	17	3.33	137.0	5.48
S052865		5.86	0.46	1.20	10.7	430	0.51	7.58	11.80	0.26	6.19	46.0	15	0.34	861	15.60
S052866		6.44	0.28	0.97	53.7	10	0.16	1.03	20.4	0.12	16.85	24.8	10	0.13	382	19.60
S052867		6.82	0.32	3.26	4.3	90	0.26	1.08	18.65	0.11	5.95	28.2	18	0.18	400	14.90
S052868		9.68	1.23	1.63	10.6	100	0.27	1.49	17.45	0.38	6.54	30.6	9	0.16	1610	16.10
S052869		3.46	0.73	2.83	5.1	130	0.31	2.71	18.60	0.22	5.83	24.2	12	0.22	1030	14.80
S052870		6.68	0.14	5.17	3.2	380	1.10	0.65	11.90	0.20	86.9	58.4	454	3.52	201	7.69
S052871		2.78	0.13	4.01	104.5	290	2.56	0.96	14.70	0.07	11.15	13.8	16	3.74	10.5	9.90
S052872		4.30	0.01	0.07	0.3	20	0.08	0.02	20.5	0.05	1.26	0.8	1	0.11	3.8	0.48
S052873		4.56	0.07	4.88	2.5	980	2.78	0.45	10.85	0.16	35.0	9.6	17	1.27	30.9	3.33
S052874		4.82	0.32	1.97	9.4	200	0.97	0.37	14.00	0.16	23.0	15.8	27	1.13	355	8.78
S052875		3.88	3.09	3.96	3.6	790	1.00	0.95	10.60	0.96	24.1	24.2	81	1.09	4000	7.10
S052876		3.62	0.12	3.67	2.7	1310	0.54	3.04	9.94	0.08	3.08	13.7	18	0.75	92.9	9.02
S052877		6.86	0.95	1.61	8.5	200	0.55	1.06	16.80	0.31	11.50	22.7	15	0.37	1240	13.30
S052878		6.06	0.07	2.06	0.7	690	0.71	0.41	7.97	0.09	4.28	8.4	22	0.41	26.9	6.19
S052879		0.32	30.6	7.14	132.5	190	0.53	9.74	6.02	32.1	28.8	86.4	124	1.67	6730	9.40
S052880		6.76	0.14	3.06	1.6	1270	0.73	0.09	8.65	0.12	9.20	12.7	24	0.59	114.0	7.10
S052881		4.20	1.31	4.50	2.5	730	2.41	0.97	9.87	0.53	11.70	10.1	10	1.51	1540	2.99
S052882		8.54	0.80	1.14	7.7	210	0.46	3.36	13.00	0.30	4.69	59.5	16	0.27	1540	18.35
S052883		7.44	0.58	1.30	20.2	20	0.24	3.72	20.3	0.22	8.18	22.3	10	0.28	847	19.55
S052884		<0.02	0.53	1.26	20.1	10	0.19	3.38	20.0	0.21	7.90	21.5	9	0.24	806	19.15
S052885		3.88	0.06	1.60	3.6	400	0.65	0.96	13.65	0.07	27.9	18.7	19	0.34	40.0	13.35
S052886		2.82	0.07	0.86	0.6	430	0.41	0.53	11.75	0.14	8.75	11.5	22	0.25	6.6	6.91
S052887		4.62	0.15	1.41	55.7	20	0.37	1.43	17.30	0.07	22.6	19.6	14	0.17	202	14.55
S052888		6.62	0.58	1.93	1.3	260	1.29	1.26	10.50	0.15	5.47	74.4	25	0.33	1670	14.85
S052889		3.66	0.42	6.44	14.5	830	0.99	0.12	4.43	0.09	105.0	10.8	22	6.16	364	2.14
S052890		1.78	0.55	6.79	19.4	900	1.02	0.14	4.52	0.09	106.0	14.6	23	6.23	461	2.22
S052891		5.12	2.25	4.45	55.1	340	1.68	0.27	8.61	0.29	46.1	26.2	92	7.13	1235	4.86
S052892		4.38	0.71	1.62	67.3	170	1.06	0.11	11.95	0.16	9.29	28.1	104	3.86	254	4.27
S052893		4.30	0.01	0.06	0.2	20	0.05	0.02	20.3	0.05	1.04	0.7	1	0.10	5.0	0.44
S052894		7.98	1.01	4.96	51.6	490	1.47	0.11	10.30	0.10	27.6	20.1	46	5.00	346	3.74

***** 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: 19- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16156862

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052859		10.65	0.10	0.1	0.029	1.48	22.9	19.8	1.33	894	5.67	0.66	5.7	1.3	370	7.5
S052860		12.80	0.11	0.4	0.036	1.45	25.3	45.1	1.11	422	1.40	0.03	7.6	4.9	350	7.3
S052861		13.90	0.11	0.3	0.032	1.77	21.9	13.6	0.61	337	0.65	2.23	7.6	4.7	280	8.3
S052862		13.10	0.09	0.3	0.032	2.77	13.2	14.7	0.54	225	2.34	1.64	6.5	4.5	310	5.2
S052863		14.75	0.11	0.3	0.070	1.45	25.5	24.6	1.04	559	0.50	1.20	9.0	2.6	340	5.2
S052864		22.3	0.18	2.3	0.249	3.62	35.3	22.5	0.28	1030	5.44	0.07	13.3	7.1	1750	4040
S052865		6.73	0.07	0.2	0.593	0.29	2.8	4.9	1.47	4150	274	0.16	1.1	23.6	210	6.8
S052866		8.25	0.07	0.4	1.465	0.01	6.9	1.0	0.51	2730	15.85	0.01	0.9	5.4	130	1.9
S052867		11.25	0.09	1.3	0.863	0.25	3.3	4.3	0.76	4360	111.0	0.04	3.9	10.7	340	2.1
S052868		9.07	0.08	0.4	1.005	0.05	2.3	2.9	0.98	4020	2.41	0.05	1.0	10.2	230	2.2
S052869		12.35	0.09	0.6	0.999	0.32	2.7	3.7	0.78	4510	10.20	0.07	2.4	13.4	180	4.0
S052870		17.20	0.14	1.7	0.137	1.19	42.4	17.1	5.35	1500	1.77	0.53	41.6	411	2460	5.4
S052871		11.65	0.09	1.2	0.491	1.04	5.4	10.9	2.67	4030	8.50	0.16	11.2	41.1	340	4.5
S052872		0.22	0.05	<0.1	<0.005	0.02	0.6	0.9	12.90	204	0.14	0.01	0.2	1.8	200	1.0
S052873		14.90	0.09	0.6	0.110	2.60	19.3	9.5	4.78	1750	1.63	1.24	14.0	31.3	530	4.8
S052874		7.10	0.08	0.4	0.539	0.62	12.1	11.9	4.34	3770	7.23	0.41	9.8	26.4	730	3.4
S052875		12.10	0.11	0.7	0.538	1.62	11.0	8.8	2.26	2480	21.7	0.81	13.1	79.1	2680	4.5
S052876		7.34	0.08	0.2	0.444	2.90	1.8	2.8	1.51	3850	6.30	0.88	2.6	15.9	280	5.4
S052877		6.22	0.09	0.4	0.964	0.54	5.8	4.4	2.47	4480	2.38	0.33	3.4	47.4	380	3.6
S052878		5.12	0.06	0.1	0.294	1.22	2.7	4.0	1.86	2720	5.01	0.68	5.3	15.0	310	5.9
S052879		11.20	0.11	0.7	2.37	1.01	16.9	8.3	2.23	887	55.6	0.83	2.9	367	680	8580
S052880		6.15	0.06	0.2	0.300	1.67	5.4	4.4	1.73	3270	7.44	0.98	4.0	15.4	350	10.3
S052881		11.80	0.06	0.2	0.240	1.51	6.7	17.6	5.93	673	1.90	1.60	20.1	8.7	600	8.6
S052882		7.19	0.06	0.3	0.806	0.19	2.2	3.7	1.27	4550	236	0.15	1.0	24.7	240	3.4
S052883		11.00	0.06	0.3	2.21	0.01	3.0	2.1	0.52	3220	25.4	0.02	1.1	10.5	130	2.2
S052884		10.50	0.06	0.3	2.17	0.01	3.0	1.8	0.51	3150	27.7	0.02	1.1	10.0	120	2.3
S052885		6.44	0.07	0.3	0.710	0.53	27.2	4.0	1.95	6300	6.67	0.47	4.8	26.9	420	3.4
S052886		2.94	0.06	0.1	0.241	0.48	7.3	3.1	2.19	3800	4.82	0.17	4.5	21.0	380	7.1
S052887		8.06	0.10	0.3	0.771	0.07	15.8	2.7	1.69	4000	16.50	0.26	1.7	17.6	220	2.2
S052888		5.68	0.11	0.4	0.258	0.68	3.6	8.9	3.72	2310	7.07	0.66	3.0	29.1	360	4.3
S052889		14.15	0.18	0.2	0.050	3.09	52.0	19.0	1.70	307	4.06	0.73	3.1	12.7	780	8.9
S052890		13.65	0.16	0.1	0.054	2.94	55.5	20.7	1.77	307	2.68	0.74	3.2	16.8	790	8.9
S052891		12.45	0.09	0.3	0.180	1.97	24.6	16.6	4.11	805	5.98	0.09	3.0	31.7	690	4.5
S052892		4.93	0.06	0.1	0.050	0.67	3.9	25.7	5.15	829	0.69	0.01	0.8	54.1	520	3.7
S052893		0.20	0.05	<0.1	<0.005	0.02	0.5	0.9	12.85	190	0.11	<0.01	0.2	1.5	180	1.0
S052894		12.10	0.10	0.9	0.046	1.91	13.6	17.1	3.98	630	0.63	0.02	3.3	19.5	780	3.9

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Finalized Date: 19- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16156862

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052859		71.9	<0.002	0.30	0.98	7.8	2	2.6	327	0.47	0.05	5.40	0.178	0.37	1.3	30
S052860		63.3	<0.002	0.21	1.40	8.5	2	2.8	215	0.57	0.10	8.49	0.179	0.31	2.3	31
S052861		53.8	<0.002	0.26	0.73	8.9	1	2.8	191.5	0.54	0.06	8.21	0.166	0.29	1.8	30
S052862		88.7	<0.002	0.40	0.92	7.2	1	2.6	185.0	0.45	0.22	5.80	0.176	0.50	1.6	40
S052863		51.7	<0.002	0.29	1.38	12.5	1	5.2	256	0.60	<0.05	8.45	0.263	0.27	1.7	73
S052864		161.5	0.003	0.61	72.1	15.5	4	20.7	380	0.76	0.33	7.02	0.441	1.94	3.6	143
S052865		8.7	0.107	2.54	0.37	1.9	4	4.4	40.0	0.07	3.00	0.87	0.033	0.10	2.9	19
S052866		0.4	0.008	0.91	0.24	1.0	2	12.8	4.0	0.08	0.40	0.64	0.025	0.04	6.9	11
S052867		7.3	0.021	0.87	0.29	4.4	3	15.5	8.7	0.22	0.41	1.21	0.110	0.06	3.2	38
S052868		1.9	0.002	0.96	0.28	1.7	3	10.1	16.5	0.06	0.64	0.72	0.035	0.03	5.6	15
S052869		10.9	0.007	0.59	0.32	1.9	3	11.8	14.9	0.13	1.46	1.24	0.067	0.09	3.5	20
S052870		61.5	0.002	0.75	0.70	20.8	2	3.3	228	2.28	0.23	4.88	1.320	0.36	2.0	184
S052871		48.8	0.005	0.55	2.89	2.9	1	5.0	299	0.45	0.37	3.12	0.095	0.27	3.3	46
S052872		0.8	<0.002	<0.01	0.05	0.2	1	<0.2	46.6	<0.05	<0.05	0.08	0.005	0.02	0.6	2
S052873		105.5	0.002	0.01	0.77	4.0	1	1.7	342	0.66	0.18	5.00	0.172	0.50	2.3	49
S052874		33.5	0.010	0.16	0.91	4.8	1	2.6	158.5	0.44	0.20	2.53	0.167	0.15	2.5	59
S052875		68.5	0.033	0.90	0.65	14.7	3	4.6	317	0.54	0.77	1.47	0.338	0.33	2.3	174
S052876		93.2	0.009	0.01	0.38	1.7	1	1.1	294	0.19	1.41	1.12	0.048	0.31	2.6	23
S052877		17.9	0.004	0.19	0.37	1.8	2	5.4	58.6	0.23	0.70	0.88	0.051	0.09	4.9	30
S052878		38.7	0.009	0.02	0.21	2.1	1	0.7	199.5	0.27	0.17	1.12	0.057	0.14	1.9	29
S052879		43.2	0.014	6.38	31.1	13.1	13	6.4	149.0	0.23	0.57	3.33	0.204	2.04	5.2	403
S052880		45.7	0.009	0.08	0.34	2.8	1	1.4	424	0.27	<0.05	1.88	0.078	0.19	2.1	38
S052881		67.2	<0.002	1.15	0.81	1.3	2	2.5	442	0.90	0.60	1.83	0.122	0.29	2.3	24
S052882		6.7	0.043	3.25	0.27	1.7	6	5.2	25.9	0.06	1.51	0.64	0.032	0.07	2.8	19
S052883		0.9	0.016	1.14	0.29	0.8	3	23.7	18.0	0.06	1.01	0.78	0.031	0.05	6.0	13
S052884		0.7	0.013	1.12	0.26	0.8	3	23.2	15.9	0.06	0.97	0.79	0.029	0.04	5.8	12
S052885		21.4	0.011	0.19	0.63	2.1	1	1.8	112.0	0.22	0.26	2.30	0.054	0.10	5.0	29
S052886		16.3	0.011	<0.01	0.35	2.3	1	0.5	70.4	0.27	0.12	1.50	0.065	0.06	2.3	32
S052887		3.0	0.028	0.36	0.39	1.3	2	5.2	35.0	0.09	0.46	1.26	0.029	0.07	10.2	19
S052888		27.7	0.009	5.35	0.42	2.8	15	1.3	84.8	0.17	1.33	1.49	0.060	0.12	2.5	46
S052889		109.5	<0.002	0.16	1.55	5.6	1	1.9	467	0.13	0.08	19.90	0.236	0.63	2.0	63
S052890		113.0	<0.002	0.22	1.75	6.1	2	2.5	497	0.14	0.09	19.40	0.228	0.56	1.7	64
S052891		115.0	0.002	0.92	11.20	26.2	2	2.7	690	0.13	0.23	4.58	0.342	0.53	1.2	173
S052892		41.9	<0.002	0.49	8.50	27.7	1	1.3	976	<0.05	0.14	0.37	0.227	0.18	0.3	140
S052893		1.0	<0.002	<0.01	0.06	0.2	1	<0.2	46.2	<0.05	<0.05	0.08	<0.005	<0.02	0.7	2
S052894		96.7	<0.002	0.38	7.65	15.1	1	3.6	719	0.19	0.08	3.51	0.354	0.45	1.2	141

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CERTIFICATE OF ANALYSIS WH16156862

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- ICP21 Au ppm 0.001
S052859		2.3	27.8	35	3.4	0.008
S052860		6.8	22.0	26	9.8	0.004
S052861		2.0	23.5	30	7.2	0.001
S052862		4.4	19.8	19	7.0	0.022
S052863		5.8	16.6	40	6.9	0.001
S052864		3.6	20.8	2450	72.5	1.395
S052865		78.0	14.4	85	7.4	0.260
S052866		300	12.7	37	13.9	0.014
S052867		23.0	23.1	47	48.9	0.015
S052868		135.0	14.5	88	15.5	0.031
S052869		23.2	20.6	72	23.3	0.032
S052870		3.5	21.5	108	58.9	0.004
S052871		37.6	15.2	77	46.4	0.020
S052872		0.1	0.8	14	0.5	<0.001
S052873		35.3	11.4	100	18.6	0.023
S052874		14.3	15.0	119	11.9	0.040
S052875		6.6	19.1	175	21.2	0.132
S052876		11.4	7.9	87	8.1	0.062
S052877		101.0	14.0	113	17.1	0.065
S052878		0.6	4.4	84	4.7	0.008
S052879		6.0	13.2	8030	25.9	1.375
S052880		0.9	6.5	91	5.9	0.002
S052881		18.0	6.2	80	7.9	0.031
S052882		61.7	12.9	98	10.6	0.042
S052883		155.0	17.2	55	12.9	0.113
S052884		150.5	16.6	53	12.8	0.103
S052885		42.1	19.9	134	9.7	0.029
S052886		1.5	11.7	123	4.4	0.011
S052887		530	27.9	78	11.0	0.035
S052888		27.0	16.0	72	14.3	0.008
S052889		6.5	10.6	24	4.9	0.010
S052890		6.9	10.3	25	4.1	0.010
S052891		15.5	11.1	70	5.6	0.034
S052892		16.3	5.7	48	2.9	0.017
S052893		0.1	0.7	15	<0.5	<0.001
S052894		8.5	10.4	39	34.5	0.030

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Project: Hopper

CERTIFICATE OF ANALYSIS WH16156862

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	PUL- QC	SPL- 21	SPL- 21d
WEI- 21			

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (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: 16- OCT- 2016
Account: MTT

CERTIFICATE WH16158761

Project: Hopper

P.O. No.: Batch 5

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 19- SEP- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

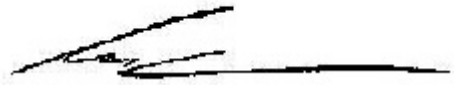
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH16158761

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052895		2.94	0.08	1.23	1.7	310	0.43	0.25	12.35	0.15	3.91	13.6	24	0.90	37.8	8.36
S052896		4.78	0.07	2.31	1.4	210	1.71	0.12	13.40	0.08	49.0	7.7	12	0.46	75.6	3.57
S052897		8.02	0.25	4.91	1.5	1790	0.57	0.21	6.56	0.15	24.1	51.2	51	3.04	418	6.49
S052898		8.84	0.08	4.10	0.5	1230	0.31	0.12	7.04	0.10	9.35	94.2	72	3.54	180.0	8.45
S052899		8.02	0.13	4.58	0.9	730	0.47	0.24	6.73	0.11	19.05	127.0	64	1.75	392	8.22
S052900		8.50	0.09	3.82	0.9	1200	0.30	0.14	8.19	0.12	8.39	72.2	61	2.27	170.5	7.72
S052901		8.68	0.09	3.60	3.8	800	0.44	0.12	9.51	0.14	13.10	51.5	87	1.87	162.5	7.03
S052902		0.32	32.0	6.66	143.0	150	0.56	9.26	5.91	32.9	28.8	94.6	128	1.69	6810	9.57
S052903		3.14	0.12	4.28	0.7	1380	0.29	0.15	7.87	0.14	14.45	58.5	111	2.42	238	7.79
S052904		6.36	2.27	6.07	3.1	1780	1.48	0.73	5.35	0.40	74.0	14.0	49	2.14	2750	2.56
S052905		7.38	0.09	0.88	5.4	120	2.27	0.18	15.45	0.06	20.4	15.4	8	0.72	33.9	3.52
S052906		2.98	1.87	0.47	3.2	30	1.63	1.45	15.70	0.27	4.24	24.2	5	2.04	4200	4.19
S052907		<0.02	1.98	0.48	3.2	30	1.60	1.53	15.60	0.29	4.71	23.2	6	2.20	4490	4.20
S052908		5.94	0.10	0.28	1.7	<10	1.84	0.14	17.00	0.06	2.84	18.5	6	0.24	49.8	4.05
S052909		4.68	0.50	2.32	3.3	1030	1.42	0.30	11.90	0.16	7.99	15.8	8	0.65	574	3.62
S052910		2.42	0.16	3.02	14.6	3820	0.55	0.19	1.51	0.08	16.80	4.3	36	2.18	257	0.95
S052911		3.52	0.03	6.20	117.0	220	1.41	0.13	2.41	0.79	64.2	6.8	60	9.10	119.5	2.05
S052912		2.62	9.33	3.47	275	490	0.70	2.63	6.53	8.32	39.8	7.1	29	3.03	3540	3.73
S052913		3.34	0.55	5.91	791	340	1.49	0.23	3.90	0.20	67.0	10.0	51	8.44	568	3.91
S052914		4.32	0.01	0.07	1.6	30	0.05	0.03	21.7	0.05	1.15	0.8	<1	0.13	4.2	0.50
S052915		5.08	0.21	2.66	20.4	110	0.62	0.06	0.36	0.07	30.7	3.0	32	2.45	149.0	1.30
S052916		6.22	0.30	5.51	106.5	360	1.72	0.13	3.49	0.08	69.3	16.1	82	5.75	250	2.94
S052917		6.56	3.50	1.89	1705	100	1.05	1.01	0.26	0.81	12.20	14.1	40	2.31	2340	7.40
S052918		3.38	1.39	1.40	1125	90	1.64	0.29	0.58	1.62	15.65	14.1	25	1.21	7530	9.66
S052919		3.64	0.44	3.03	84.6	330	1.70	0.65	9.12	0.19	36.7	21.1	86	2.21	398	5.94
S052920		4.80	0.73	3.58	8.0	1690	1.35	0.44	9.33	0.24	32.4	16.4	74	5.07	718	6.77
S052921		7.32	0.09	3.45	40.2	2760	1.07	0.12	4.26	0.16	45.5	13.3	82	4.23	72.1	3.16
S052922		0.32	35.5	8.47	590	1410	1.86	1.32	0.32	32.0	73.9	6.3	19	3.43	144.0	6.10
S052923		7.84	0.13	5.40	39.3	960	1.38	0.10	5.42	0.13	45.1	11.5	83	4.13	97.4	3.00
S052924		7.22	0.18	5.94	15.1	1440	1.67	0.19	8.33	0.13	62.7	12.5	173	4.13	191.0	5.49
S052925		7.78	0.99	1.65	36.8	470	0.84	1.21	9.16	0.12	15.20	27.3	19	0.65	2090	12.50
S052926		6.82	0.44	2.02	131.0	310	1.36	5.55	7.57	0.14	9.67	22.7	14	2.43	673	8.00
S052927		4.80	0.09	3.28	102.0	2600	0.70	0.23	1.77	0.07	23.5	18.6	29	3.56	131.0	1.51
S052928		2.20	0.09	2.97	93.1	2450	0.66	0.36	2.25	0.07	20.8	19.2	22	3.15	113.5	1.58
S052929		5.50	0.06	1.35	1.8	250	0.94	0.14	15.60	0.06	12.90	9.2	22	2.10	6.0	3.35
S052930		4.18	0.01	0.05	<0.2	20	0.06	0.03	21.3	0.06	1.10	0.7	1	0.10	3.9	0.49

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CERTIFICATE OF ANALYSIS WH16158761

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052895		3.24	0.06	0.2	0.350	0.27	3.3	6.7	3.75	4120	4.91	0.48	1.5	27.0	290	5.5
S052896		5.86	0.09	0.4	0.174	0.51	43.7	14.1	7.88	1180	0.82	0.79	2.5	9.7	350	3.4
S052897		10.55	0.10	0.4	0.074	3.47	12.7	11.4	6.02	893	1.94	0.84	2.0	33.6	1360	5.3
S052898		9.13	0.10	0.2	0.039	3.19	3.6	37.5	8.90	1060	0.23	0.34	1.3	36.6	530	1.2
S052899		9.06	0.09	0.2	0.035	2.60	9.2	15.7	6.43	947	0.34	0.96	1.1	59.4	580	3.3
S052900		8.06	0.09	0.2	0.044	2.63	3.2	26.0	8.46	1160	0.31	0.46	1.0	23.5	490	2.1
S052901		8.37	0.09	0.2	0.070	1.60	5.4	23.3	7.68	1140	0.55	0.52	1.0	24.6	900	3.6
S052902		11.25	0.13	0.7	2.53	0.99	16.2	7.6	2.16	885	65.7	0.83	2.9	378	720	8850
S052903		9.24	0.08	0.2	0.057	2.61	6.4	34.1	7.34	1080	0.34	0.39	1.4	35.7	1150	7.7
S052904		13.10	0.14	0.7	0.279	4.58	42.1	11.7	3.83	775	152.5	1.01	11.3	23.3	310	7.1
S052905		3.61	0.05	0.3	0.399	0.23	10.8	19.1	8.90	1340	2.63	0.09	1.4	13.7	320	5.3
S052906		2.88	0.05	0.1	0.646	0.26	1.5	7.8	9.33	1610	3.92	0.09	0.3	20.2	150	3.5
S052907		2.83	0.05	0.1	0.625	0.28	2.0	7.6	9.43	1580	3.87	0.09	0.3	19.6	160	3.2
S052908		2.31	<0.05	0.6	0.475	0.01	0.9	7.5	9.55	1720	8.58	0.08	0.6	13.7	170	4.4
S052909		6.71	0.07	0.3	0.374	2.04	2.9	7.7	6.21	1270	9.31	0.44	2.5	14.9	370	6.5
S052910		7.29	0.09	0.3	0.024	1.95	9.0	8.9	0.51	171	465	0.16	2.3	32.2	550	4.3
S052911		15.20	0.14	0.2	0.028	2.70	31.6	6.8	0.94	419	3.67	0.03	9.2	16.7	380	4.8
S052912		8.88	0.08	0.2	0.243	1.49	21.9	20.9	2.28	1100	79.3	0.02	4.6	10.9	260	127.0
S052913		14.75	0.13	0.3	0.121	2.38	34.8	14.6	1.27	1030	66.7	0.03	9.5	20.8	380	8.4
S052914		0.20	0.06	<0.1	<0.005	0.02	0.5	0.9	13.50	215	0.29	0.01	0.2	1.7	190	1.1
S052915		6.28	0.09	0.2	0.016	1.11	15.6	15.2	0.15	249	6.13	0.02	3.0	7.7	200	5.3
S052916		14.15	0.13	0.3	0.041	2.06	38.6	31.7	0.85	436	12.30	0.03	11.7	56.0	560	7.2
S052917		7.10	0.07	0.4	0.406	0.62	6.4	44.0	0.19	1200	36.6	0.01	2.6	32.1	350	12.4
S052918		4.40	0.08	0.5	0.726	0.41	6.9	26.7	0.18	1680	52.3	0.01	1.8	15.1	330	5.0
S052919		7.79	0.10	0.4	0.193	1.01	21.2	24.7	1.08	2150	19.90	0.02	5.2	30.4	1150	8.9
S052920		10.85	0.11	0.4	0.219	1.22	16.3	25.1	3.41	1860	6.75	0.35	5.3	17.8	1510	4.2
S052921		10.70	0.10	0.3	0.044	0.96	18.7	21.1	0.76	1240	11.50	0.08	6.1	28.8	1470	6.1
S052922		24.8	0.21	2.4	0.263	3.98	34.5	24.4	0.32	1140	5.74	0.08	12.1	7.4	1960	4450
S052923		14.85	0.13	0.4	0.050	1.31	20.2	35.2	1.41	824	5.77	0.03	6.9	16.5	1150	8.9
S052924		17.80	0.13	0.6	0.227	1.91	33.5	29.4	1.90	1520	20.0	0.99	9.1	36.6	1360	6.3
S052925		5.93	0.08	0.3	0.638	0.55	8.5	21.4	0.85	4270	44.7	0.21	1.7	11.4	290	2.7
S052926		6.67	0.07	0.4	0.272	0.62	5.4	27.9	1.08	3870	88.6	0.01	1.7	15.9	390	3.4
S052927		9.20	0.10	0.2	0.028	1.29	12.6	10.3	0.20	556	19.40	0.02	2.0	86.3	390	3.4
S052928		8.04	0.10	0.3	0.028	1.13	10.8	11.3	0.27	594	19.25	0.01	1.7	99.4	380	3.8
S052929		4.06	<0.05	1.6	0.141	0.28	9.1	15.6	8.53	1660	35.9	0.14	2.2	16.0	930	4.5
S052930		0.17	<0.05	<0.1	<0.005	0.02	0.5	0.9	13.35	205	0.21	0.01	0.1	1.8	200	1.8

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052895		10.9	0.017	0.12	0.49	2.0	1	0.7	285	0.10	0.14	1.33	0.043	0.06	3.2	30
S052896		30.2	<0.002	0.13	0.66	2.5	1	1.4	197.5	0.20	0.06	2.00	0.072	0.11	4.4	39
S052897		160.5	0.002	0.71	0.40	34.2	2	2.0	299	0.11	0.13	3.48	0.465	0.67	1.4	275
S052898		166.0	0.002	0.93	0.21	43.7	3	0.7	155.5	0.06	0.07	0.66	0.619	0.61	0.2	359
S052899		125.5	<0.002	1.93	0.23	37.7	3	0.9	408	0.05	0.10	2.65	0.399	0.54	0.4	233
S052900		133.0	<0.002	0.71	0.20	53.3	1	0.7	193.0	0.05	0.06	0.79	0.515	0.54	0.1	326
S052901		78.8	<0.002	0.49	0.44	56.2	1	1.3	354	0.05	0.07	1.32	0.428	0.32	0.3	289
S052902		42.7	0.015	6.42	32.5	13.4	13	6.7	156.5	0.20	0.78	3.59	0.203	2.12	5.6	404
S052903		120.0	<0.002	0.72	0.30	46.2	2	0.9	247	0.07	0.07	2.03	0.584	0.48	0.5	335
S052904		158.0	0.103	0.47	0.77	8.0	3	5.2	204	0.74	0.31	15.30	0.280	0.59	4.3	55
S052905		15.7	<0.002	<0.01	1.66	2.1	1	2.7	50.8	0.09	<0.05	1.02	0.068	0.06	0.8	21
S052906		35.3	<0.002	0.46	1.20	0.5	3	2.3	10.5	<0.05	1.68	0.45	0.013	0.08	0.5	13
S052907		37.2	<0.002	0.48	1.20	0.4	4	2.1	8.4	<0.05	1.82	0.44	0.012	0.08	0.5	12
S052908		1.1	0.004	<0.01	1.93	1.4	1	2.6	15.9	0.07	<0.05	0.80	0.025	<0.02	0.9	16
S052909		66.6	0.004	0.09	1.58	4.8	1	4.0	81.7	0.12	0.06	1.16	0.103	0.22	1.8	26
S052910		77.4	0.132	0.12	2.58	8.5	2	1.2	112.0	0.13	0.18	1.92	0.152	0.29	2.7	56
S052911		139.5	0.002	0.10	22.3	7.9	1	2.1	68.4	0.68	<0.05	14.55	0.286	0.60	1.7	56
S052912		81.2	0.014	0.29	1200	4.4	3	2.4	152.5	0.34	0.54	6.08	0.141	0.43	1.3	31
S052913		124.5	0.007	0.33	16.70	8.4	1	3.1	110.5	0.66	0.12	12.60	0.278	0.56	2.6	56
S052914		1.2	<0.002	0.01	0.31	0.2	1	<0.2	46.4	<0.05	<0.05	0.10	<0.005	<0.02	0.8	1
S052915		56.6	<0.002	<0.01	5.26	3.4	1	1.1	14.5	0.22	<0.05	6.65	0.111	0.27	1.2	26
S052916		107.5	<0.002	0.02	6.06	8.7	2	3.3	54.0	0.75	0.07	11.85	0.374	0.50	3.1	70
S052917		31.2	<0.002	0.07	34.7	4.2	6	5.8	30.4	0.16	0.47	1.52	0.146	0.27	4.3	41
S052918		18.4	0.002	0.04	32.9	3.3	5	4.8	25.1	0.11	0.16	1.29	0.086	0.37	11.7	24
S052919		40.3	<0.002	0.09	6.19	12.1	2	2.0	174.5	0.30	0.49	3.89	0.266	0.26	3.0	75
S052920		45.3	0.007	0.18	0.80	15.7	1	1.9	274	0.31	0.25	3.33	0.336	0.21	1.9	100
S052921		42.8	0.002	0.05	2.91	16.0	2	1.6	117.5	0.35	<0.05	3.96	0.336	0.23	1.8	91
S052922		175.5	0.003	0.69	73.3	16.0	5	21.7	419	0.76	0.33	6.93	0.492	2.16	3.8	158
S052923		58.2	0.005	0.10	2.83	18.7	1	2.2	174.5	0.44	<0.05	6.19	0.356	0.27	1.8	109
S052924		76.4	0.010	0.19	2.22	18.6	1	4.6	342	0.59	0.13	8.30	0.399	0.41	3.8	110
S052925		16.2	0.043	0.36	3.40	2.7	2	2.0	121.0	0.11	1.40	1.78	0.065	0.11	2.6	16
S052926		28.4	0.002	0.15	6.08	5.4	1	1.8	151.5	0.11	3.87	0.96	0.117	0.28	5.2	33
S052927		62.7	<0.002	0.08	8.76	9.7	1	1.2	54.7	0.21	0.25	2.38	0.157	0.35	1.9	73
S052928		53.1	0.003	0.08	9.32	8.8	2	1.5	59.6	0.11	0.34	2.02	0.138	0.30	1.9	69
S052929		14.7	0.007	<0.01	0.73	9.3	<1	5.0	266	0.27	<0.05	2.45	0.246	0.10	1.8	57
S052930		0.8	<0.002	0.01	0.05	0.2	<1	<0.2	48.1	0.06	<0.05	0.07	<0.005	<0.02	0.5	2

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (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: 16- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16158761

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- ICP21 Au ppm 0.001
S052895		1.9	10.3	133	5.5	0.003
S052896		5.4	10.5	39	15.6	0.001
S052897		1.0	8.5	65	11.6	0.007
S052898		0.2	5.0	71	4.0	0.001
S052899		0.4	5.2	57	3.8	0.002
S052900		0.3	5.1	68	4.5	0.001
S052901		7.1	6.3	67	5.2	0.002
S052902		5.8	13.9	8090	27.4	1.750
S052903		0.5	6.5	79	4.5	0.003
S052904		20.1	21.9	67	24.0	0.216
S052905		3.3	5.1	42	8.2	0.003
S052906		1.3	3.1	75	3.9	0.146
S052907		1.0	3.0	76	4.2	0.163
S052908		1.4	4.5	55	19.5	0.002
S052909		2.9	11.2	49	8.8	0.028
S052910		3.2	13.2	23	8.6	0.041
S052911		28.0	9.9	76	5.6	0.006
S052912		79.3	8.9	534	4.9	0.069
S052913		20.6	14.8	63	9.8	0.040
S052914		0.2	0.8	13	<0.5	0.001
S052915		6.3	4.9	18	5.0	0.009
S052916		9.8	11.9	54	10.6	0.008
S052917		23.2	10.2	80	14.5	0.560
S052918		49.8	14.5	148	19.1	0.500
S052919		15.2	18.0	87	10.4	0.062
S052920		95.8	18.2	97	9.8	0.037
S052921		3.9	16.8	63	4.1	0.004
S052922		3.8	20.7	2640	74.4	1.300
S052923		8.0	20.6	54	8.9	0.005
S052924		34.4	24.4	52	15.4	0.016
S052925		79.0	7.6	85	10.3	0.349
S052926		13.0	13.1	108	12.4	0.094
S052927		3.4	11.2	67	7.3	0.010
S052928		2.7	10.5	68	7.6	0.008
S052929		3.6	6.1	77	58.7	0.012
S052930		0.2	0.8	18	<0.5	0.002

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

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16158761

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	PUL- QC	SPL- 21	SPL- 21d
WEI- 21			

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

CERTIFICATE WH16161296

Project: HOPPER

P.O. No.: Batch 6

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

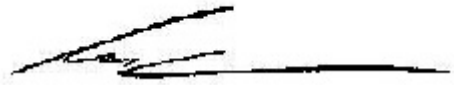
ANALYTICAL PROCEDURES

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

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161296

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052931		5.54	0.19	3.45	20.9	430	1.00	0.13	3.41	0.11	53.4	9.2	56	3.72	149.0	1.80
S052932		4.56	0.08	3.00	11.6	1660	0.88	0.09	3.52	0.13	33.7	9.5	58	3.91	49.5	1.37
S052933		6.70	0.50	2.91	14.6	940	1.03	0.47	9.22	0.18	29.8	13.5	63	1.61	753	6.78
S052934		<0.02	0.49	2.94	13.4	930	1.07	0.44	9.21	0.20	30.5	13.6	56	1.65	857	6.81
S052935		6.20	0.08	3.72	0.9	3900	0.58	0.09	2.97	0.09	19.30	13.1	22	2.16	152.0	3.03
S052936		4.50	2.42	2.95	4.3	5300	0.91	0.62	8.95	0.43	23.5	18.4	27	2.13	2590	4.45
S052937		3.30	6.10	3.01	19.5	830	1.09	1.69	10.90	1.12	16.55	36.6	240	3.21	4530	5.75
S052938		4.08	0.02	0.04	<0.2	20	0.07	0.03	20.8	0.07	0.91	0.7	1	0.10	16.2	0.45
S052939		2.72	0.10	5.63	20.6	1240	1.24	0.30	5.83	0.13	32.8	18.1	191	6.90	55.1	2.87
S052940		3.10	0.07	6.44	91.9	270	1.54	0.06	11.25	0.04	33.1	22.4	116	4.74	37.8	4.47
S052941		0.32	34.4	8.08	559	1310	1.93	1.31	0.31	34.0	70.6	6.4	19	3.53	140.0	5.69
S052942		5.40	0.07	2.97	8.2	1830	0.89	0.19	6.16	0.19	29.9	19.4	143	2.32	54.1	3.36
S052943		3.06	0.01	5.82	9.9	690	0.82	0.08	3.13	0.08	60.2	47.3	474	3.64	27.9	6.12
S052944		7.30	0.22	3.08	7.7	1870	0.76	0.38	10.55	0.13	20.9	15.5	31	1.42	411	7.46
S052945		5.12	0.06	3.04	3.5	3020	0.69	0.11	6.07	0.09	26.5	12.4	52	1.77	64.2	3.45
S052946		2.54	0.06	3.00	3.8	2940	0.74	0.12	6.22	0.08	26.5	12.6	47	1.83	64.5	3.55
S052947		5.22	0.16	2.74	9.0	1060	0.62	0.53	13.55	0.07	26.0	14.4	62	0.67	187.5	8.33
S052948		4.70	0.21	2.62	2.1	250	0.58	0.43	8.51	0.26	14.15	48.5	1120	1.06	472	4.06
S052949		7.00	3.78	3.69	5.3	130	0.81	1.86	17.90	0.82	39.1	27.2	11	0.58	9760	10.90
S052950		3.40	1.37	0.24	3.2	<10	0.81	0.33	17.40	0.40	2.93	15.7	7	0.23	2880	4.17
S052951		5.96	1.42	0.26	8.8	30	0.55	0.45	6.16	0.31	8.71	25.9	8	1.00	2990	28.6
S052952		4.22	0.01	0.03	<0.2	10	0.06	0.05	20.6	0.05	0.84	0.6	1	0.07	10.1	0.49
S052953		5.54	0.23	1.22	11.0	540	0.81	0.19	12.10	0.10	32.3	28.2	16	0.59	419	12.25
S052954		5.72	3.03	1.60	5.0	820	1.02	0.95	9.97	0.56	36.8	25.5	22	0.77	4800	13.10
S052955		7.08	2.10	2.75	6.8	170	0.51	4.22	18.75	0.39	11.65	17.8	17	0.42	2540	15.60
S052956		6.72	8.01	5.88	145.5	1030	1.44	1.81	4.07	1.96	23.5	17.4	33	3.41	6100	4.35
S052957		4.58	0.49	5.24	1.2	1220	0.88	0.21	10.05	0.29	26.3	10.0	40	3.12	412	4.69
S052958		2.20	1.07	5.34	2.7	820	1.26	0.25	4.66	0.27	28.5	15.8	50	4.39	926	5.75
S052959		8.18	3.01	4.95	2.6	80	1.82	1.32	11.30	0.70	84.1	48.8	347	0.87	3860	11.10
S052960		9.10	0.19	5.14	4.1	30	1.09	0.46	16.30	0.19	83.4	21.5	390	0.84	154.5	8.04
S052961		0.18	30.0	6.50	131.5	160	0.53	9.87	5.76	33.3	27.2	93.9	121	1.57	6710	9.14
S052962		7.74	0.31	5.76	2.4	160	1.56	0.50	10.95	0.24	97.1	52.4	321	1.58	387	7.45
S052963		5.98	0.17	6.08	0.7	410	1.57	0.33	9.60	0.17	122.5	61.2	333	2.87	456	8.33
S052964		7.56	0.67	5.42	2.7	380	1.59	0.50	10.90	0.26	99.3	51.2	350	2.88	782	7.51
S052965		3.44	0.31	4.11	74.3	170	0.90	0.18	8.60	0.19	53.8	8.4	62	5.44	213	2.41
S052966		2.48	0.34	5.49	2.0	360	1.22	0.29	3.46	0.12	115.5	38.3	46	4.88	1250	7.00

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

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VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161296

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052931		10.25	0.10	0.3	0.018	1.34	27.6	20.2	0.82	280	16.95	0.04	8.0	29.7	750	24.1
S052932		7.92	0.09	0.3	0.020	1.26	19.0	13.4	1.74	303	5.54	0.20	3.2	41.2	680	9.1
S052933		10.45	0.08	0.5	0.297	0.94	16.4	10.7	1.75	2340	11.55	0.55	6.5	25.0	760	4.0
S052934		10.45	0.08	0.5	0.279	0.95	16.8	10.6	1.77	2350	12.85	0.57	6.5	24.1	790	4.0
S052935		10.00	0.07	0.2	0.054	0.82	8.0	22.9	2.66	1100	8.02	1.45	3.3	17.5	510	5.5
S052936		9.57	0.07	0.3	0.204	1.21	10.9	16.0	4.35	1560	6.74	0.58	3.1	35.1	1020	7.7
S052937		8.35	0.08	0.7	0.317	1.11	9.1	35.6	5.52	1880	133.5	0.36	3.6	285	580	5.5
S052938		0.16	0.06	<0.1	0.006	0.01	<0.5	1.1	13.20	199	0.53	0.01	0.1	1.9	180	1.4
S052939		13.40	0.08	0.7	0.030	1.86	16.0	44.4	2.01	635	42.0	0.36	6.5	144.5	670	9.3
S052940		14.50	0.08	2.3	0.042	1.30	15.9	58.4	0.60	950	13.80	0.01	8.5	86.9	1310	6.3
S052941		23.6	0.17	2.4	0.265	3.72	34.1	24.7	0.30	1070	5.88	0.07	12.7	7.6	1820	4160
S052942		9.32	0.07	0.3	0.111	0.72	14.8	20.6	3.68	1380	2.56	0.60	3.8	151.5	510	6.6
S052943		15.25	0.12	0.3	0.032	0.66	30.9	56.8	10.75	746	5.23	0.31	36.1	555	1840	1.5
S052944		9.84	0.07	0.3	0.644	0.88	10.0	9.6	2.27	2220	30.9	0.95	3.5	32.4	550	4.9
S052945		8.81	0.07	0.2	0.161	1.14	13.7	7.7	1.92	1320	3.12	0.90	4.0	46.5	380	4.8
S052946		8.79	0.07	0.2	0.175	1.12	14.2	7.7	1.90	1340	2.80	0.89	3.8	46.5	400	4.9
S052947		12.95	0.09	0.3	1.165	0.95	8.0	10.3	4.02	1590	61.1	0.75	2.5	68.6	460	4.3
S052948		7.80	0.05	0.3	0.073	0.42	6.3	14.9	11.70	1110	45.1	0.66	2.1	1420	190	3.6
S052949		11.75	0.11	1.4	2.54	0.32	24.9	9.8	3.24	3240	93.4	0.23	4.5	39.4	600	5.2
S052950		2.54	<0.05	<0.1	0.471	0.01	1.3	8.6	10.30	1630	1.20	0.05	0.1	13.2	320	2.3
S052951		12.10	0.07	0.1	1.125	0.15	6.0	9.0	9.21	1420	2.18	0.04	0.4	16.4	260	1.7
S052952		0.12	0.06	<0.1	<0.005	0.01	<0.5	0.9	13.25	207	0.16	<0.01	0.1	1.6	200	1.5
S052953		6.43	0.07	0.2	0.759	0.68	27.5	3.1	0.96	6370	3.23	0.28	1.4	26.3	190	2.6
S052954		8.95	0.08	0.3	0.779	0.95	29.6	6.2	1.01	3460	6.90	0.30	2.5	33.8	250	3.4
S052955		12.05	<0.05	0.8	1.155	0.49	5.7	5.9	0.99	2630	25.5	0.22	2.0	16.5	220	3.8
S052956		14.45	<0.05	0.4	0.366	2.31	15.9	9.8	0.66	553	10.05	1.70	4.2	20.6	290	23.3
S052957		11.40	<0.05	0.7	0.195	1.80	19.2	8.6	2.33	1740	1.56	1.31	4.3	16.9	300	8.3
S052958		12.85	<0.05	0.4	0.201	1.64	13.3	22.3	2.33	1360	3.53	0.99	5.6	23.8	520	5.9
S052959		20.1	0.05	2.7	0.370	0.62	40.8	10.6	3.91	1470	2.67	0.59	45.7	415	2000	4.7
S052960		17.90	<0.05	2.9	0.252	0.22	40.2	7.3	2.52	2330	1.41	0.66	45.0	459	2580	4.7
S052961		11.35	<0.05	0.8	2.39	0.96	13.5	7.8	2.13	854	53.1	0.80	2.6	346	640	8360
S052962		18.45	<0.05	1.8	0.145	0.72	49.9	12.1	4.70	1360	1.21	0.88	43.5	300	1870	9.1
S052963		20.6	0.07	1.6	0.109	1.15	62.1	16.9	4.30	1160	1.43	1.32	51.4	260	2520	7.2
S052964		18.40	<0.05	2.2	0.142	1.01	49.6	18.4	5.20	1410	1.59	0.81	49.0	382	2010	5.7
S052965		10.00	<0.05	0.3	0.013	1.73	26.6	9.5	2.60	516	7.64	0.02	4.8	36.8	390	8.2
S052966		24.1	0.05	0.6	0.110	1.18	60.8	34.6	1.34	723	3.83	0.37	17.2	104.0	1150	3.2

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (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: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161296

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052931		60.6	0.005	0.43	3.80	4.1	2	1.2	111.5	0.59	0.06	9.61	0.110	1.22	2.1	37
S052932		56.9	0.009	0.25	2.44	6.7	2	0.7	150.0	0.20	0.07	4.56	0.108	0.58	3.9	53
S052933		32.5	0.003	0.25	1.35	8.3	2	5.4	211	0.41	0.24	2.92	0.230	0.26	3.4	53
S052934		32.5	0.005	0.25	1.29	8.1	2	5.1	215	0.41	0.24	2.91	0.232	0.24	3.3	54
S052935		27.8	0.005	0.34	0.24	12.2	1	1.1	241	0.22	0.10	1.30	0.271	0.19	1.1	90
S052936		45.3	0.004	0.20	0.46	10.0	2	1.9	201	0.21	0.24	2.02	0.203	0.28	1.8	53
S052937		52.5	0.013	0.68	2.52	8.6	3	1.3	217	0.24	0.42	2.56	0.172	0.33	1.9	61
S052938		0.7	<0.002	0.01	0.10	0.1	1	<0.2	46.1	<0.05	<0.05	0.05	<0.005	<0.02	0.6	1
S052939		79.5	0.037	0.03	5.38	13.2	2	1.9	164.0	0.44	0.18	6.18	0.313	0.67	4.1	125
S052940		61.9	<0.002	0.18	8.40	13.0	1	1.1	115.0	0.51	<0.05	2.88	0.447	0.29	2.6	115
S052941		168.5	0.005	0.64	69.7	15.0	4	21.3	399	0.83	0.36	6.94	0.472	2.26	3.8	150
S052942		34.3	0.002	0.16	0.73	9.1	1	1.1	185.0	0.26	0.11	3.67	0.154	0.25	1.6	52
S052943		32.1	0.002	0.33	0.38	14.5	1	0.5	106.5	2.38	0.15	4.72	0.742	0.30	1.3	147
S052944		31.0	0.013	0.11	0.50	7.8	2	4.6	167.5	0.23	0.12	2.22	0.182	0.15	3.5	53
S052945		42.3	0.002	0.08	0.34	9.0	1	1.9	191.0	0.28	0.06	3.02	0.188	0.22	1.7	58
S052946		41.5	0.002	0.08	0.35	8.8	1	2.1	187.5	0.26	<0.05	3.00	0.183	0.21	1.8	56
S052947		36.3	0.012	0.10	0.63	7.7	1	15.3	85.8	0.17	0.22	1.57	0.159	0.19	6.2	44
S052948		25.2	0.006	0.31	0.42	10.2	3	1.0	83.7	0.16	0.31	2.48	0.131	0.21	0.8	68
S052949		25.1	0.019	1.20	0.73	8.5	9	20.1	63.0	0.25	1.91	1.37	0.197	0.11	9.7	49
S052950		1.0	<0.002	0.39	0.74	0.2	2	2.9	6.2	<0.05	0.10	0.26	<0.005	0.03	1.0	6
S052951		11.8	<0.002	0.47	1.46	0.5	2	5.9	5.5	<0.05	0.44	0.44	0.010	0.07	1.4	11
S052952		0.5	<0.002	0.01	0.09	0.1	1	<0.2	43.6	<0.05	<0.05	0.14	<0.005	<0.02	0.7	1
S052953		21.0	0.002	0.05	0.60	2.6	1	4.9	51.4	0.09	0.08	1.36	0.040	0.12	5.3	18
S052954		28.0	0.004	0.96	0.57	2.9	3	6.0	70.6	0.15	0.23	1.24	0.055	0.20	3.4	25
S052955		15.7	0.004	0.68	0.65	2.3	2	12.3	31.9	0.14	0.32	1.95	0.077	0.12	5.5	32
S052956		77.2	0.005	0.33	5.74	7.6	2	3.7	306	0.29	0.34	2.23	0.168	0.40	4.7	58
S052957		53.7	<0.002	0.10	0.51	10.1	<1	4.7	364	0.30	0.05	2.18	0.209	0.25	2.8	65
S052958		70.6	<0.002	<0.01	0.50	14.0	<1	3.3	201	0.40	0.08	3.92	0.295	0.34	3.3	86
S052959		21.4	<0.002	1.09	0.74	17.5	4	7.9	125.0	2.64	0.32	3.71	1.385	0.15	4.0	176
S052960		13.5	<0.002	0.42	0.71	19.2	2	6.5	180.0	2.53	0.10	3.67	1.340	0.06	7.8	198
S052961		24.3	0.016	6.20	31.0	12.0	13	6.7	150.0	0.20	0.65	3.26	0.202	2.44	5.5	392
S052962		32.4	<0.002	0.80	0.63	18.2	1	3.6	301	2.55	0.08	4.44	1.380	0.18	3.0	180
S052963		54.8	<0.002	1.27	0.47	20.6	2	2.6	447	2.94	0.21	5.43	1.600	0.28	3.3	215
S052964		59.3	<0.002	0.70	1.28	19.1	1	3.4	247	2.73	0.19	4.24	1.510	0.31	2.3	188
S052965		103.0	0.011	0.13	9.53	6.6	1	0.8	402	0.34	0.06	8.06	0.192	0.45	3.5	100
S052966		69.0	0.010	3.61	0.32	31.1	3	5.2	357	1.78	0.41	17.30	0.327	0.54	7.1	146

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

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VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161296

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21
	Analyte	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	0.1	2	0.5	0.001
S052931		2.3	10.4	38	8.8	0.004
S052932		1.0	11.9	52	10.0	0.001
S052933		63.5	15.9	65	15.6	0.043
S052934		57.3	15.7	72	15.2	0.061
S052935		0.8	13.2	59	4.1	0.015
S052936		6.3	16.4	108	10.8	0.048
S052937		37.4	15.4	159	23.1	0.060
S052938		0.1	0.7	16	<0.5	0.001
S052939		11.7	13.7	63	25.7	0.004
S052940		7.8	14.7	73	95.8	0.004
S052941		4.0	20.2	2530	71.5	1.320
S052942		7.5	15.1	91	9.5	0.007
S052943		1.1	15.7	102	8.8	0.019
S052944		48.7	19.2	74	9.2	0.097
S052945		21.0	15.9	65	6.0	0.007
S052946		23.5	16.0	65	6.0	0.007
S052947		55.6	20.5	47	10.2	0.034
S052948		0.6	8.9	81	7.2	0.016
S052949		214	38.2	107	53.8	0.798
S052950		18.4	4.6	72	1.9	0.054
S052951		21.4	5.1	98	4.3	0.355
S052952		0.2	0.7	15	<0.5	0.001
S052953		156.5	14.8	132	7.1	0.016
S052954		188.5	17.5	122	9.5	0.215
S052955		179.0	17.8	61	28.0	0.135
S052956		164.5	12.3	164	11.7	0.120
S052957		9.7	17.2	74	22.5	0.016
S052958		13.3	19.7	74	11.4	0.020
S052959		241	18.9	122	87.5	0.105
S052960		51.6	19.9	50	89.0	0.004
S052961		6.0	11.9	7740	24.1	1.475
S052962		8.5	19.2	104	46.5	0.008
S052963		1.4	23.5	106	40.4	0.004
S052964		8.1	20.1	100	61.4	0.025
S052965		13.4	11.6	30	8.4	0.005
S052966		1.2	63.6	46	9.1	0.010

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Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161296

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	SPL- 21	SPL- 21d	WEI- 21

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Finalized Date: 16- OCT- 2016
Account: MTT

CERTIFICATE WH16161298

Project: HOPPER

P.O. No.: Batch 7

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

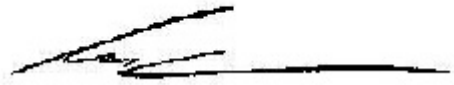
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS61	48 element four acid ICP- MS	
Cu- OG46	Ore Grade Cu - Aqua Regia	ICP- AES
ME- OG46	Ore Grade Elements - AquaRegia	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

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CERTIFICATE OF ANALYSIS WH16161298

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S052967		4.28	5.06	4.02	30.6	620	1.76	0.88	6.57	1.15	41.4	38.4	30	2.93	>10000	9.36
S052968		5.56	1.84	4.77	2.3	50	1.09	0.78	14.70	0.60	46.8	44.7	29	0.50	2960	11.00
S052969		5.34	1.29	2.53	2.6	100	1.34	0.80	14.30	0.62	158.5	17.4	21	4.31	2080	5.20
S052970		5.18	0.74	2.91	1.0	450	0.98	0.15	2.56	0.12	58.6	7.9	41	1.24	1110	1.85
S052971		0.32	40.1	8.22	571	1330	2.03	1.23	0.31	31.2	74.5	6.0	19	3.30	142.0	5.76
S052972		8.10	1.00	5.57	1.0	750	1.31	0.14	2.86	0.11	112.5	19.6	85	3.50	1725	4.65
S052973		3.54	1.35	4.55	1.6	410	1.37	0.36	7.10	0.34	56.6	22.4	50	2.23	3010	8.18
S052974		7.98	5.45	5.38	2.4	510	2.21	1.19	10.50	1.43	63.0	59.7	40	0.85	>10000	10.30
S052975		<0.02	5.93	5.35	1.9	530	2.17	1.15	10.15	1.36	59.5	58.2	39	0.83	>10000	10.05
S052976		4.24	1.51	3.32	1.4	130	1.24	0.56	12.40	0.27	25.3	36.4	39	2.26	4360	12.15
S052977		4.24	0.02	0.04	0.4	20	<0.05	0.03	20.8	0.06	0.96	0.8	1	0.09	19.5	0.48
S052978		4.14	0.08	1.28	1.5	140	1.95	0.10	15.30	0.10	15.15	17.4	18	0.87	43.1	4.83
S052979		4.50	0.51	1.70	2.8	110	0.47	1.13	6.45	0.14	13.25	37.1	16	2.30	1200	23.7
S052980		4.44	0.01	0.03	<0.2	20	0.05	0.02	21.1	0.06	0.96	0.7	1	0.08	5.9	0.50
S052981		5.74	0.04	0.43	1.1	30	0.12	0.03	21.5	0.10	3.25	1.6	8	1.22	31.5	0.46
S052982		2.52	0.04	0.30	1.1	20	0.12	0.03	22.4	0.10	3.02	1.6	7	0.79	54.9	0.45
S052983		6.72	0.02	0.15	1.4	30	0.25	0.02	20.9	0.14	1.40	1.2	4	0.52	29.4	0.27
S052984		7.86	9.22	0.11	4.4	10	0.11	2.01	7.90	2.21	1.33	53.2	6	0.43	>10000	19.15
S052985		3.34	2.71	1.49	5.6	170	0.77	0.78	9.54	0.75	15.95	18.5	12	3.50	4710	5.99
S052986		2.98	0.11	4.81	1.4	240	1.45	0.12	6.52	0.20	49.3	49.9	398	1.83	175.0	6.33
S052987		2.88	0.17	2.20	1.3	1240	0.57	0.17	13.05	0.12	15.00	7.1	21	1.94	94.6	3.27
S052988		0.18	32.5	7.35	138.5	520	0.55	10.95	6.04	32.3	29.0	91.9	128	1.65	6820	9.57
S052989		2.78	0.12	2.33	2.3	840	0.44	1.85	15.15	0.18	18.65	12.4	18	1.20	96.1	6.70
S052990		2.62	0.49	1.08	1.0	450	0.27	2.89	14.40	0.11	5.56	12.0	18	0.50	396	3.29
S052991		3.08	0.32	1.09	9.7	670	0.47	2.13	16.75	0.16	21.3	15.2	29	0.26	513	8.21
S052992		2.68	0.39	3.15	3.0	1520	0.57	0.50	8.67	0.19	16.95	13.5	14	2.05	588	5.78
S052993		3.88	5.06	2.39	21.0	1110	1.64	2.04	11.55	1.64	12.65	36.3	24	4.12	7050	8.02
S052994		6.76	0.22	2.00	6.6	290	0.77	0.14	11.80	0.13	16.75	14.1	16	0.75	288	8.60
S052995		3.72	0.05	1.01	5.8	140	0.54	0.11	13.30	0.07	8.42	16.1	18	0.28	48.6	9.86
S052996		3.82	0.09	4.14	9.5	2910	1.02	0.15	2.30	0.09	25.8	11.6	24	3.90	171.5	2.67
S052997		6.94	1.08	2.13	147.5	600	0.84	0.27	10.15	0.59	21.2	11.3	19	2.15	1310	8.26
S052998		4.10	2.98	0.14	65.8	40	1.09	0.64	12.65	0.73	1.67	21.2	7	0.34	5150	7.16
S052999		3.78	0.46	1.55	3.9	480	1.16	1.50	12.00	0.38	12.05	15.0	18	1.85	2460	4.44
S053000		7.28	1.15	7.49	1.6	340	2.68	4.80	8.69	0.22	65.3	25.7	111	1.47	2470	5.57
S053001		7.08	3.14	1.44	8.1	150	1.73	0.48	12.45	0.51	116.5	29.2	18	0.22	3720	12.65
S053002		9.40	0.95	1.14	5.5	130	0.78	0.22	14.50	0.16	8.49	36.0	15	0.21	891	14.60

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Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161298

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S052967		14.70	0.11	0.5	0.351	1.94	20.9	19.7	5.49	863	135.5	0.65	6.6	52.7	380	3.6
S052968		13.75	0.14	1.3	0.657	0.31	31.0	5.8	2.29	2280	6.73	1.37	6.9	28.6	700	3.3
S052969		7.78	0.17	1.0	0.244	0.82	108.0	14.5	8.66	1320	3.86	0.28	5.1	14.4	1350	9.3
S052970		8.17	0.10	0.2	0.046	1.35	28.0	7.2	1.01	480	0.93	0.65	11.2	16.6	350	4.6
S052971		23.1	0.18	2.3	0.254	3.77	35.7	21.2	0.30	1090	5.52	0.08	13.8	7.0	1890	4260
S052972		17.00	0.16	0.3	0.064	2.44	55.9	28.4	1.74	533	0.54	1.01	17.2	41.4	810	7.2
S052973		18.50	0.12	0.5	0.300	1.43	27.4	13.2	0.75	1240	17.50	0.87	10.2	20.9	150	5.6
S052974		17.25	0.15	1.0	0.543	1.13	33.9	6.5	1.44	1940	37.6	1.82	20.7	68.0	790	5.2
S052975		16.80	0.13	1.0	0.519	1.15	32.3	6.4	1.40	1880	35.6	1.82	20.1	66.1	800	5.2
S052976		13.50	0.10	1.0	0.497	0.58	13.1	11.4	4.65	1720	11.50	0.41	8.5	22.7	310	2.8
S052977		0.16	<0.05	<0.1	<0.005	0.01	0.5	0.8	13.20	208	0.24	0.01	0.2	1.7	200	1.0
S052978		5.20	0.06	0.5	0.160	0.45	6.8	8.2	7.49	1520	5.20	0.35	3.4	28.2	400	4.1
S052979		10.40	0.10	0.5	0.354	0.46	6.4	16.6	9.34	1390	3.93	0.23	6.9	25.4	950	1.8
S052980		0.13	<0.05	<0.1	<0.005	0.01	<0.5	0.8	13.35	200	0.12	<0.01	0.2	1.6	220	1.0
S052981		1.16	0.06	0.2	0.033	0.26	3.0	10.1	11.55	266	0.56	0.01	0.7	5.4	260	1.6
S052982		0.91	0.07	0.2	0.038	0.15	3.0	10.0	11.55	275	0.65	0.01	0.5	4.7	260	0.7
S052983		0.78	0.12	0.1	0.037	0.12	1.5	2.6	12.10	224	0.69	0.01	0.2	2.7	100	0.7
S052984		5.18	0.10	0.1	0.592	0.07	0.7	2.5	12.35	1460	2.12	0.01	0.4	9.8	150	1.7
S052985		5.24	0.07	0.5	0.431	0.85	10.4	7.2	13.20	1110	66.8	0.39	1.7	10.2	410	2.5
S052986		15.10	0.10	0.5	0.055	1.06	23.4	14.8	6.62	986	1.62	0.72	18.3	420	810	4.4
S052987		7.18	0.07	0.4	0.132	0.75	9.1	17.5	3.23	1080	2.22	0.47	2.4	20.5	520	1.9
S052988		11.25	0.12	0.7	2.48	1.03	16.1	7.1	2.28	905	55.6	0.83	2.9	373	710	8790
S052989		6.85	0.08	0.4	0.279	0.72	11.7	3.1	0.86	2590	3.48	0.65	6.3	15.1	550	7.9
S052990		3.06	0.05	0.2	0.192	0.42	2.8	1.9	0.70	1420	8.26	0.24	1.2	10.9	280	2.6
S052991		5.42	0.07	0.3	0.458	0.47	21.1	3.2	0.80	3400	3.08	0.14	1.4	34.2	360	6.3
S052992		9.55	0.07	0.3	0.330	0.81	10.9	5.1	0.90	1980	5.90	0.89	2.1	20.2	480	5.0
S052993		9.75	0.08	1.0	0.685	0.53	7.1	13.8	3.31	2480	4.54	0.29	3.6	54.6	710	9.4
S052994		10.15	0.06	0.5	0.661	0.70	11.5	8.7	1.71	2160	23.8	0.51	2.5	14.9	360	5.3
S052995		10.05	0.06	0.3	0.779	0.14	6.2	12.5	2.37	2490	33.4	0.13	1.6	21.1	360	3.5
S052996		11.75	0.09	0.2	0.054	1.35	11.2	18.0	1.09	728	4.56	0.49	5.5	22.9	690	6.3
S052997		8.98	0.08	0.3	0.825	0.78	10.5	19.9	0.72	1750	164.0	0.04	2.3	20.2	400	19.3
S052998		3.01	0.05	<0.1	0.415	0.02	0.9	17.3	5.08	1260	26.6	0.01	0.1	12.3	180	7.4
S052999		6.40	0.06	0.5	0.318	0.57	6.0	14.9	6.90	1660	3.52	0.19	2.6	17.9	1040	7.6
S053000		20.6	0.10	0.7	0.109	0.90	43.6	11.3	1.86	1400	102.0	2.56	21.9	78.1	920	4.5
S053001		13.65	0.10	0.3	0.587	0.15	124.0	4.7	1.12	2280	82.3	0.43	2.0	47.9	260	2.0
S053002		10.00	0.06	0.4	0.634	0.13	5.3	4.9	1.01	3290	32.0	0.23	1.7	24.6	220	2.3

***** 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- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161298

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S052967		90.1	0.015	1.96	6.88	6.0	8	2.2	216	0.45	1.32	7.42	0.180	0.41	4.9	64
S052968		32.4	0.004	1.81	0.45	6.0	9	15.8	145.0	0.48	0.39	4.76	0.188	0.14	5.5	77
S052969		121.5	0.002	0.42	0.44	3.1	3	3.5	69.9	0.28	0.25	5.14	0.148	0.31	7.5	38
S052970		63.1	<0.002	0.41	0.17	5.0	2	1.6	207	0.78	0.07	11.15	0.209	0.23	2.2	33
S052971		181.0	0.004	0.65	71.8	16.0	5	21.0	406	0.78	0.35	7.13	0.486	1.98	3.8	153
S052972		138.5	<0.002	0.52	0.18	13.3	2	3.3	417	1.04	0.07	16.75	0.510	0.55	2.3	109
S052973		74.7	0.003	0.67	0.29	7.1	5	9.2	126.5	0.63	0.58	11.30	0.267	0.29	5.4	67
S052974		48.1	0.029	2.64	0.35	7.0	13	7.6	377	1.16	1.15	8.70	0.276	0.31	5.6	71
S052975		48.1	0.025	2.59	0.35	6.8	12	7.2	382	1.15	1.17	8.48	0.270	0.30	5.2	69
S052976		51.9	0.010	4.19	0.22	4.9	11	9.0	68.5	0.44	1.25	4.46	0.152	0.25	2.7	63
S052977		0.7	<0.002	0.01	<0.05	0.1	1	<0.2	48.2	<0.05	<0.05	0.06	<0.005	<0.02	0.6	2
S052978		22.9	0.002	0.03	0.32	3.0	1	1.6	80.6	0.26	<0.05	4.16	0.095	0.09	2.0	65
S052979		44.5	0.008	0.24	0.39	6.8	2	3.4	35.1	0.39	0.21	1.48	0.329	0.16	10.5	58
S052980		0.7	<0.002	<0.01	<0.05	0.1	1	<0.2	49.4	<0.05	<0.05	0.06	<0.005	<0.02	0.7	1
S052981		19.5	0.004	<0.01	0.15	1.0	1	0.7	140.0	<0.05	<0.05	0.43	0.023	0.12	3.5	11
S052982		11.4	0.006	<0.01	0.13	0.7	1	1.0	141.5	<0.05	<0.05	0.35	0.015	0.07	3.3	9
S052983		10.5	0.002	<0.01	0.13	0.2	1	0.6	132.5	<0.05	<0.05	0.26	<0.005	0.06	2.5	8
S052984		8.2	<0.002	2.79	0.22	0.3	13	1.2	20.5	<0.05	1.43	0.25	0.007	0.11	9.6	9
S052985		86.7	0.016	0.77	0.60	5.4	5	2.3	29.9	0.11	0.57	1.11	0.131	0.32	29.1	25
S052986		57.4	0.002	0.44	0.14	16.4	2	2.3	172.0	0.99	0.07	6.10	0.723	0.36	1.3	120
S052987		40.1	0.003	0.02	0.22	4.7	1	3.1	161.0	0.15	<0.05	1.86	0.108	0.15	2.9	51
S052988		45.8	0.017	6.40	32.8	13.0	14	6.6	154.5	0.21	0.84	3.33	0.210	2.17	5.1	401
S052989		25.3	0.022	0.11	0.51	5.6	1	2.8	206	0.36	0.43	1.18	0.201	0.12	4.1	35
S052990		16.7	<0.002	0.04	0.49	2.9	1	1.5	134.5	0.07	0.71	0.75	0.058	0.08	1.7	18
S052991		16.0	<0.002	0.05	0.36	3.4	1	2.9	70.6	0.08	0.19	0.92	0.070	0.10	4.0	22
S052992		27.0	0.004	0.10	0.90	9.2	1	2.9	230	0.13	0.12	1.37	0.198	0.16	4.2	62
S052993		21.4	<0.002	0.04	1.87	6.7	3	7.3	78.4	0.23	0.37	3.53	0.132	0.18	7.3	91
S052994		25.6	0.004	0.06	0.55	2.5	1	9.3	90.0	0.24	<0.05	6.28	0.063	0.13	4.4	21
S052995		5.5	0.005	<0.01	0.45	2.7	1	13.3	35.3	0.11	<0.05	0.80	0.061	0.04	4.5	25
S052996		55.9	<0.002	0.01	2.32	12.8	1	2.3	126.0	0.36	0.09	2.29	0.306	0.52	1.2	71
S052997		36.0	0.033	0.12	14.70	5.5	3	11.8	82.0	0.16	0.10	1.65	0.120	0.25	13.5	47
S052998		1.2	<0.002	0.27	76.8	0.2	5	2.1	262	<0.05	0.58	0.16	<0.005	0.05	3.5	12
S052999		28.9	<0.002	<0.01	2.45	3.0	1	2.5	62.7	0.18	0.65	1.85	0.077	0.17	4.8	43
S053000		37.0	0.027	0.39	0.54	12.3	4	2.2	291	1.51	0.66	10.15	0.577	0.13	3.4	93
S053001		5.2	0.013	0.56	0.27	2.7	4	8.7	55.2	0.13	0.20	1.35	0.052	0.04	8.5	69
S053002		5.2	0.006	0.21	0.29	2.4	2	7.2	27.5	0.13	0.06	1.90	0.046	0.03	4.4	18

***** 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- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161298

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- ICP21	Cu- OG46
	Analyte	W	Y	Zn	Zr	Au	Cu
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.1	0.1	2	0.5	0.001	0.001
S052967		240	13.0	141	18.0	0.271	0.967
S052968		81.1	33.3	91	49.5	0.086	
S052969		29.7	18.3	96	37.0	0.106	
S052970		6.3	15.7	35	5.6	0.030	
S052971		3.6	21.0	2580	72.5	1.360	
S052972		4.3	19.8	59	9.2	0.053	
S052973		51.1	15.1	67	17.1	0.188	
S052974		167.0	15.9	166	36.9	0.323	1.050
S052975		153.5	15.0	165	34.5	0.485	1.060
S052976		20.1	17.3	101	35.6	0.174	
S052977		0.2	0.7	15	<0.5	<0.001	
S052978		1.1	11.9	57	18.0	0.003	
S052979		15.8	17.2	97	15.9	0.067	
S052980		0.1	0.7	15	<0.5	0.003	
S052981		2.7	6.0	31	6.9	0.008	
S052982		4.0	5.7	28	5.6	0.006	
S052983		1.8	2.8	28	2.1	0.004	
S052984		18.2	3.7	400	4.8	0.817	1.445
S052985		1080	12.1	157	20.5	0.306	
S052986		2.3	13.9	107	11.4	0.002	
S052987		8.5	19.1	46	13.6	0.011	
S052988		5.8	13.5	8170	25.9	1.560	
S052989		5.8	14.3	80	11.8	0.111	
S052990		3.3	11.6	47	6.5	0.185	
S052991		52.1	13.2	80	10.8	0.142	
S052992		62.2	19.6	80	11.2	0.035	
S052993		72.3	15.4	152	35.2	0.174	
S052994		94.1	12.2	46	13.3	0.020	
S052995		144.5	15.1	55	9.0	0.002	
S052996		6.1	18.4	34	4.6	0.012	
S052997		199.5	16.5	60	9.1	0.079	
S052998		6.1	4.2	99	1.5	0.178	
S052999		4.8	10.6	94	16.4	0.175	
S053000		39.4	17.5	65	16.1	0.176	
S053001		421	15.7	62	11.5	0.064	
S053002		66.6	13.4	51	15.6	0.022	

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: MTT

Project: HOPPER

CERTIFICATE OF ANALYSIS WH16161298

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	Cu- OG46
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
ME- OG46	PUL- 31	PUL- 31d	PUL- QC
SPL- 21	SPL- 21d	WEI- 21	

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: 1- NOV- 2016
Account: MTT

CERTIFICATE WH16167646

Project: Hopper

P.O. No.: Batch 8

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3- OCT- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

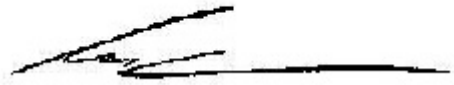
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS61	48 element four acid ICP- MS	

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

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

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 1- NOV- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16167646

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S053003		7.72	2.41	2.64	3.6	530	0.98	0.50	7.13	0.51	12.80	35.1	30	1.02	3960	8.97
S053004		2.38	0.87	6.30	1.2	220	1.52	0.12	6.51	0.18	30.1	27.4	60	1.12	1560	7.90
S053005		2.74	0.10	7.20	15.4	350	1.79	0.05	1.29	0.03	83.6	12.2	74	8.87	81.8	3.07
S053006		2.30	0.73	5.04	13.5	290	1.36	0.17	6.30	0.11	49.1	11.5	52	5.54	976	2.67
S053007		3.56	0.05	6.88	5.0	170	1.17	0.03	1.55	<0.02	13.95	2.2	21	8.53	44.9	0.83
S053008		<0.02	0.06	6.80	4.7	170	1.18	0.03	1.49	<0.02	14.00	1.8	18	8.02	41.4	0.79
S053009		5.64	0.12	4.27	16.8	110	0.82	0.02	10.10	<0.02	11.50	1.8	14	4.53	62.9	1.48
S053010		2.66	0.04	3.11	6.4	60	0.76	0.02	18.95	<0.02	4.41	1.5	9	3.57	28.1	1.32
S053011		5.56	0.09	7.12	26.4	250	1.84	0.03	2.82	<0.02	78.3	9.6	43	11.95	80.5	2.52
S053012		5.32	0.08	6.42	6.7	1120	1.44	0.03	2.88	0.04	38.1	3.5	28	6.20	83.7	1.41
S053013		0.30	31.7	7.18	145.0	100	0.63	9.73	6.18	34.7	30.5	100.5	122	1.72	6980	10.00
S053014		2.56	0.81	2.70	5.4	570	1.32	0.11	6.65	0.14	25.9	22.4	36	2.10	1820	8.75
S053015		6.34	0.16	1.89	45.7	1600	0.75	0.02	17.75	<0.02	16.05	3.6	20	2.95	148.0	1.95
S053016		6.64	0.62	0.96	4.9	170	1.43	0.18	7.72	0.13	10.30	21.4	17	3.37	1060	11.75
S053017		2.50	0.16	3.93	0.8	1110	1.18	0.04	2.39	0.06	58.8	17.3	145	5.74	377	3.38
S053018		4.46	0.01	0.04	<0.2	20	0.06	0.03	21.4	0.05	1.08	0.7	1	0.10	6.4	0.48
S053019		5.74	0.06	8.59	0.5	80	3.24	0.05	4.32	<0.02	59.0	11.6	34	1.09	72.5	8.58
S053020		5.90	0.08	7.09	0.3	40	2.77	0.06	5.36	<0.02	99.9	15.7	122	0.57	179.0	12.90
S053021		2.90	0.07	7.16	1.1	30	3.00	0.05	5.46	<0.02	83.5	17.0	113	0.49	190.0	13.65
S053022		3.26	0.07	2.92	0.9	20	1.74	0.04	10.40	<0.02	38.3	29.5	37	0.39	160.5	15.30
S053023		5.38	0.16	3.47	0.6	30	1.84	0.08	9.16	<0.02	32.1	24.0	50	0.51	266	13.15
S053024		6.34	0.15	6.27	4.4	420	1.65	0.06	2.91	0.02	65.9	7.0	76	3.51	269	1.60
S053025		7.44	0.23	4.61	78.9	270	1.84	0.08	5.92	0.03	54.2	17.0	50	1.42	466	9.92
S053026		5.28	0.30	5.25	0.7	80	2.96	0.08	8.52	0.05	88.1	15.9	64	1.34	630	12.50
S053027		3.82	0.01	0.05	<0.2	20	0.05	0.02	22.1	0.07	0.94	0.7	4	0.08	3.8	0.50
S053028		3.22	0.85	2.72	0.6	140	2.86	0.14	10.55	0.08	54.3	22.1	38	2.04	2250	8.15
S053029		3.12	0.78	8.03	2.3	1070	1.75	0.72	4.89	0.17	53.5	11.5	11	2.89	1300	3.39
S053030		3.10	0.19	8.25	2.3	1590	1.60	0.29	6.10	0.14	46.8	3.6	4	4.12	181.5	2.79
S053031		3.92	1.34	1.81	24.4	70	0.55	1.40	5.95	0.27	9.14	17.1	7	3.87	1255	28.4
S053032		5.40	0.48	1.27	21.0	90	1.23	0.56	14.55	0.13	6.50	13.1	10	0.86	456	5.05
S053033		6.32	0.69	6.91	45.4	300	1.38	0.82	4.61	0.35	30.0	21.2	37	4.49	554	3.02
S053034		0.32	31.3	8.04	560	1300	1.97	1.20	0.30	32.3	69.8	6.1	21	3.29	139.0	5.64
S053035		5.56	1.45	0.52	3.4	10	1.21	0.70	11.05	0.29	36.6	15.1	12	1.12	2040	11.60
S053036		7.54	4.44	0.87	6.5	80	0.47	5.63	10.40	0.57	7.25	23.5	13	1.15	6110	12.00
S053037		6.12	1.65	1.31	6.5	320	0.56	4.80	11.70	0.13	62.2	12.5	19	0.28	359	10.15
S053038		9.10	0.12	1.34	3.9	210	0.31	2.38	12.05	0.06	6.23	16.6	13	0.41	98.3	13.55

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

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VANCOUVER BC V6B 1L8

Finalized Date: 1- NOV- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16167646

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S053003		9.83	0.14	0.3	0.265	1.37	7.3	10.5	0.90	1960	20.8	0.62	3.4	26.6	380	17.6
S053004		16.85	0.07	0.4	0.097	0.61	21.4	17.2	2.38	991	9.42	2.17	5.5	31.2	460	4.4
S053005		18.45	0.13	0.2	0.035	2.59	42.2	21.1	0.75	454	10.45	0.41	9.4	30.1	430	15.9
S053006		13.35	0.10	0.5	0.033	2.37	24.9	15.4	1.48	827	135.0	0.27	6.9	33.8	400	9.1
S053007		14.05	0.08	0.1	<0.005	2.85	6.5	12.6	0.66	130	29.6	0.04	1.6	4.5	180	5.9
S053008		13.30	0.09	0.1	0.005	2.78	6.5	12.1	0.66	123	25.0	0.05	1.5	4.8	180	5.9
S053009		8.86	0.09	<0.1	<0.005	1.71	5.6	24.3	1.46	478	39.0	0.01	1.0	3.6	170	4.3
S053010		6.70	0.06	<0.1	<0.005	1.31	2.2	15.2	0.93	684	36.0	0.01	0.5	2.2	90	3.5
S053011		19.40	0.12	0.2	0.041	2.89	36.8	20.5	1.10	412	57.8	0.04	7.0	17.5	780	8.5
S053012		14.15	0.09	0.1	<0.005	2.23	16.8	31.6	1.04	349	13.60	0.25	3.2	7.6	210	7.5
S053013		12.55	0.14	0.8	2.68	1.04	14.9	9.5	2.28	914	57.2	0.87	2.8	387	740	9110
S053014		12.60	0.10	0.3	0.094	1.39	13.4	13.4	0.94	1560	37.6	0.47	5.7	28.5	510	6.1
S053015		5.27	0.07	0.1	<0.005	0.72	8.2	21.3	2.07	699	37.5	0.01	2.6	12.0	460	3.6
S053016		9.87	0.09	0.3	0.181	0.47	5.5	11.8	11.95	1440	49.9	0.15	1.8	17.5	170	2.3
S053017		13.00	0.11	0.4	0.028	2.12	26.5	19.1	2.77	735	52.8	0.70	9.9	72.5	1090	1.6
S053018		0.15	0.06	<0.1	<0.005	0.01	0.5	1.1	13.20	203	0.33	0.01	0.1	0.8	210	1.2
S053019		37.8	0.11	0.9	0.022	0.43	35.4	9.1	0.88	343	855	4.01	10.1	29.0	470	3.6
S053020		32.5	0.14	0.7	0.037	0.24	57.3	7.8	1.15	530	742	3.18	16.5	35.1	570	2.4
S053021		34.8	0.13	0.7	0.037	0.22	46.3	7.2	1.15	546	988	3.28	17.0	37.2	530	2.3
S053022		20.3	0.09	0.5	0.120	0.11	23.5	8.4	2.53	1900	374	1.29	5.4	33.2	230	1.6
S053023		19.70	0.11	0.8	0.095	0.14	17.8	7.7	1.90	1580	312	1.39	7.1	35.9	250	2.1
S053024		17.05	0.14	0.3	0.013	1.83	33.7	25.8	0.83	257	65.9	0.85	11.0	24.3	280	6.3
S053025		18.35	0.13	1.0	0.168	0.79	31.1	44.7	1.59	1700	147.5	0.88	6.2	27.3	280	3.6
S053026		24.9	0.14	1.7	0.184	0.42	58.1	8.3	1.82	1500	125.0	1.79	10.1	44.9	860	2.3
S053027		0.16	0.10	<0.1	<0.005	0.02	0.5	1.0	13.70	210	0.52	0.01	0.1	0.9	200	1.0
S053028		15.30	0.12	0.9	0.143	0.54	36.2	14.9	7.58	1140	140.0	0.79	4.7	45.7	270	1.7
S053029		21.6	0.13	2.3	0.077	1.46	27.6	21.6	1.26	520	2.71	2.77	8.6	6.2	1410	5.6
S053030		23.6	0.14	2.2	0.086	1.85	20.9	14.7	0.96	596	1.83	3.18	9.0	1.4	1560	7.4
S053031		10.75	0.35	0.4	0.396	0.50	5.3	22.6	5.01	975	1.35	0.02	1.5	38.9	290	1.9
S053032		5.05	0.08	0.2	0.373	0.44	3.9	20.3	7.79	1380	0.74	0.10	1.2	49.4	590	1.8
S053033		18.25	0.11	0.7	0.084	1.08	14.2	28.1	1.52	413	8.84	2.47	9.6	35.0	950	11.7
S053034		23.6	0.17	2.4	0.249	3.67	34.9	23.6	0.29	1050	5.94	0.08	11.6	7.4	1830	4140
S053035		6.15	0.10	0.2	0.391	0.11	24.5	20.3	10.85	1390	0.56	0.06	0.8	16.3	190	5.1
S053036		6.20	0.07	0.1	0.559	0.27	3.9	15.5	10.45	1150	2.11	0.14	1.2	9.6	210	2.7
S053037		5.77	0.11	0.4	0.793	0.45	46.3	9.6	2.23	2950	5.39	0.26	1.4	18.8	280	3.0
S053038		4.97	0.08	0.4	1.040	0.30	4.6	5.9	0.98	5730	0.86	0.50	1.1	10.6	280	3.5

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Finalized Date: 1- NOV- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16167646

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S053003		53.9	0.003	0.78	0.97	5.5	5	1.5	139.5	0.23	0.31	2.44	0.136	0.22	2.1	48
S053004		27.5	0.002	0.22	0.41	18.7	3	1.9	258	0.39	0.08	2.29	0.347	0.16	2.0	124
S053005		137.0	<0.002	0.01	2.43	14.3	1	2.0	88.5	0.63	<0.05	11.65	0.376	0.60	2.1	87
S053006		132.5	0.028	0.31	2.57	6.8	1	1.3	254	0.54	0.05	10.90	0.229	0.63	4.6	60
S053007		139.5	0.005	0.05	2.38	2.0	<1	0.7	138.5	0.07	<0.05	3.16	0.108	0.70	1.2	22
S053008		138.0	<0.002	0.05	2.40	1.9	1	0.7	134.5	0.06	<0.05	3.13	0.105	0.68	1.3	21
S053009		95.9	0.004	0.05	3.41	1.2	1	0.5	249	<0.05	<0.05	2.51	0.077	0.38	1.1	16
S053010		75.8	0.008	0.01	3.08	0.7	1	0.3	430	<0.05	<0.05	0.52	0.048	0.35	1.2	10
S053011		139.5	0.012	0.37	3.83	7.8	1	1.6	231	0.38	<0.05	12.35	0.392	0.75	4.6	95
S053012		99.5	<0.002	0.12	4.22	2.6	<1	0.5	254	0.15	<0.05	6.81	0.148	0.58	1.0	33
S053013		27.8	0.019	6.71	34.0	12.9	14	7.2	161.0	0.20	0.80	3.08	0.209	2.56	5.8	411
S053014		55.9	0.008	0.36	2.40	3.4	3	1.5	215	0.35	0.12	3.80	0.120	0.23	5.4	73
S053015		47.5	0.008	0.12	3.73	3.1	1	0.5	486	0.16	<0.05	2.08	0.091	0.19	3.8	42
S053016		54.1	0.016	0.34	1.09	2.4	2	2.2	115.0	0.11	0.08	1.48	0.046	0.16	3.1	68
S053017		163.5	0.010	0.34	0.17	14.6	1	0.9	161.0	0.61	0.07	6.64	0.430	0.63	2.9	119
S053018		0.8	<0.002	<0.01	<0.05	0.1	1	<0.2	49.7	<0.05	<0.05	0.09	<0.005	<0.02	0.6	1
S053019		19.5	0.199	0.15	0.19	8.2	2	1.6	325	0.83	<0.05	20.6	0.254	0.11	10.3	124
S053020		9.3	0.139	0.16	0.22	13.4	2	2.4	278	1.12	<0.05	13.25	0.430	0.06	7.5	105
S053021		7.7	0.220	0.18	0.21	14.4	2	2.4	280	1.11	<0.05	12.00	0.429	0.06	7.8	104
S053022		4.9	0.057	0.14	0.22	5.2	1	3.2	109.5	0.35	<0.05	5.21	0.145	0.04	4.8	59
S053023		5.9	0.070	0.11	0.41	6.0	1	3.3	128.0	0.49	<0.05	6.36	0.175	0.05	4.9	72
S053024		90.4	0.010	0.16	0.73	9.0	1	1.2	217	0.77	<0.05	11.50	0.274	0.34	3.8	73
S053025		40.8	0.020	0.52	3.50	6.6	1	4.0	230	0.52	<0.05	8.24	0.209	0.20	5.2	64
S053026		27.6	0.013	0.13	0.25	8.5	2	5.2	233	0.71	<0.05	10.85	0.270	0.12	6.6	113
S053027		0.7	<0.002	<0.01	<0.05	0.1	1	<0.2	47.3	<0.05	<0.05	0.06	<0.005	<0.02	0.7	1
S053028		51.8	0.031	0.55	0.40	4.4	2	3.6	121.0	0.36	0.08	5.25	0.127	0.19	5.4	103
S053029		49.4	<0.002	0.21	1.35	6.1	2	2.8	670	0.58	0.36	5.62	0.400	0.24	2.5	85
S053030		41.7	<0.002	0.06	0.43	6.1	1	3.1	829	0.61	0.05	4.47	0.436	0.23	1.8	92
S053031		44.6	<0.002	0.45	4.11	1.3	2	2.0	144.0	0.10	0.39	1.11	0.061	0.26	3.1	22
S053032		22.5	<0.002	0.25	8.32	3.5	2	1.2	96.7	0.08	0.17	0.69	0.076	0.13	1.2	35
S053033		53.9	<0.002	0.21	8.77	13.7	2	3.2	264	0.62	0.15	6.64	0.390	0.25	3.1	63
S053034		176.5	0.002	0.64	75.8	14.7	4	21.6	393	0.81	0.32	6.89	0.455	2.01	3.5	145
S053035		14.2	<0.002	0.28	0.79	1.3	2	1.1	24.6	0.05	0.50	0.91	0.036	0.11	3.9	25
S053036		21.6	<0.002	1.03	1.77	1.5	4	1.3	51.3	0.09	5.17	1.45	0.038	0.12	4.1	15
S053037		17.9	0.002	0.05	0.30	3.1	1	4.2	38.5	0.10	3.89	1.22	0.065	0.10	3.7	24
S053038		10.9	<0.002	0.06	0.64	3.2	1	3.4	63.1	0.07	1.71	0.71	0.070	0.06	2.4	17

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Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- ICP21 Au ppm 0.001
S053003		51.7	12.8	94	6.9	0.120
S053004		198.0	18.1	67	8.3	0.055
S053005		12.7	10.3	57	4.9	0.011
S053006		18.8	12.4	34	12.4	0.030
S053007		8.8	3.9	10	2.1	0.002
S053008		7.9	3.9	9	2.0	0.003
S053009		6.7	4.1	9	1.3	0.004
S053010		4.8	4.5	7	1.1	0.008
S053011		6.9	15.4	58	5.0	0.003
S053012		5.1	5.7	19	2.4	0.003
S053013		6.4	12.9	8270	25.4	1.510
S053014		144.0	12.9	43	9.0	0.059
S053015		7.1	6.8	13	2.9	0.008
S053016		443	7.7	68	10.2	0.030
S053017		12.9	19.4	45	9.6	0.008
S053018		0.7	0.7	16	<0.5	0.001
S053019		279	15.8	27	21.0	0.004
S053020		386	25.2	31	17.4	0.009
S053021		350	26.2	30	18.2	0.008
S053022		352	9.4	52	15.1	0.003
S053023		182.0	12.4	47	26.5	0.011
S053024		11.9	12.9	20	11.3	0.009
S053025		60.4	15.8	40	32.1	0.014
S053026		590	21.0	52	61.3	0.010
S053027		0.9	0.7	17	0.5	0.002
S053028		460	12.9	73	29.7	0.047
S053029		3.5	23.0	51	87.1	0.206
S053030		1.4	21.7	36	77.8	0.051
S053031		5.2	8.1	71	14.0	0.124
S053032		10.5	8.9	43	6.6	0.008
S053033		39.6	24.5	46	20.5	0.011
S053034		4.0	20.3	2530	70.7	1.345
S053035		2.6	5.6	70	6.9	0.132
S053036		2.6	4.2	128	4.2	0.373
S053037		45.8	14.2	67	12.4	0.012
S053038		19.4	13.2	113	12.1	0.033

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Project: Hopper

CERTIFICATE OF ANALYSIS WH16167646

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	PUL- QC	SPL- 21	SPL- 21d
WEI- 21			

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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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- OCT- 2016
Account: MTT

CERTIFICATE WH16167650

Project: Hopper

P.O. No.: Batch 9

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 3- OCT- 2016.

The following have access to data associated with this certificate:

HEATHER BURRELL	MATT DUMALA	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
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

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

To: **STRATEGIC METALS LTD.**
ATTN: JOAN MARIACHER
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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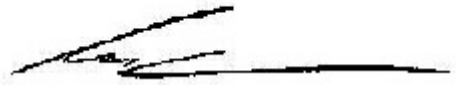
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH16167650

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S053039		6.50	0.10	2.36	6.8	420	0.85	2.52	11.00	0.06	10.15	12.1	30	0.65	45.1	11.40
S053040		5.48	0.07	2.47	41.2	110	1.96	0.27	6.01	0.06	9.81	9.4	28	2.10	12.8	9.45
S053041		4.54	0.03	1.67	17.3	170	0.77	0.15	9.94	0.05	6.18	10.3	23	0.50	5.9	10.75
S053042		4.46	0.05	2.14	12.2	340	0.45	0.37	11.20	0.07	17.45	13.0	66	0.35	21.4	10.75
S053043		2.46	0.04	2.07	13.4	300	0.42	0.21	11.25	0.06	14.95	14.6	65	0.31	20.7	11.15
S053044		10.34	0.07	2.51	5.0	1980	0.54	0.35	5.90	0.08	22.6	12.9	38	0.38	37.5	4.55
S053045		7.26	0.18	2.81	4.8	2550	0.49	1.31	6.44	0.10	16.00	10.5	31	0.70	170.5	5.38
S053046		7.82	0.26	1.77	6.0	420	0.56	0.71	10.35	0.11	55.1	19.6	36	0.35	171.0	7.80
S053047		0.32	39.7	8.13	559	1330	1.74	1.16	0.30	28.9	70.1	5.5	19	3.21	138.0	5.65
S053048		5.12	0.04	2.74	2.0	130	1.19	0.11	10.25	0.10	127.0	9.1	385	0.50	6.6	4.46
S053049		4.80	0.09	3.48	1.8	600	1.31	0.46	7.56	0.04	161.5	8.4	43	0.55	11.4	4.89
S053050		5.38	0.07	4.07	1.1	790	1.08	0.09	11.95	0.18	38.5	7.8	82	0.70	28.9	2.86
S053051		2.66	0.22	3.81	9.3	580	0.95	2.50	8.80	0.16	40.6	13.7	31	3.53	235	4.80
S053052		4.22	0.01	0.06	<0.2	30	0.05	0.03	21.0	0.05	1.10	0.8	2	0.10	1.7	0.46
S053053		5.58	0.20	1.80	9.5	500	1.14	0.26	10.65	0.10	39.1	12.3	24	2.62	215	7.54
S053054		<0.02	0.19	1.82	9.6	540	1.05	0.39	10.45	0.11	33.5	11.6	25	2.53	199.0	7.37
S053055		5.10	0.09	1.39	2.0	710	1.16	0.10	11.80	0.12	23.3	10.2	28	0.67	44.5	5.51
S053056		4.24	1.43	1.01	4.1	1170	0.48	0.49	8.48	0.33	18.50	29.8	41	0.31	1280	6.77
S053057		8.48	0.06	1.19	2.7	280	0.64	0.16	10.65	0.10	57.1	9.5	34	0.41	19.4	6.74
S053058		8.80	0.75	0.80	4.8	180	0.40	0.42	9.60	0.11	8.46	16.2	35	0.35	55.6	8.03
S053059		7.18	0.12	1.67	3.4	320	0.48	2.79	10.30	0.09	10.05	17.0	25	0.73	11.3	8.76
S053060		7.54	0.11	4.17	1.9	2900	1.01	0.18	6.46	0.15	34.3	14.2	51	1.27	89.6	2.69
S053061		3.44	0.04	2.14	4.3	420	0.67	0.68	10.55	0.09	11.80	22.1	36	0.51	14.4	9.69
S053062		8.52	0.04	2.62	2.6	820	0.85	5.43	8.99	0.08	10.55	15.1	29	0.97	12.2	7.43
S053063		6.20	0.03	3.11	4.5	650	0.84	0.46	12.45	0.07	14.05	22.2	77	4.99	5.3	10.25
S053064		2.82	0.04	1.78	2.1	4420	0.51	0.13	7.84	0.11	17.35	10.0	31	0.46	11.2	5.45
S053065		3.04	0.07	2.94	2.8	1090	1.07	0.87	11.10	0.10	32.5	18.8	45	1.90	55.6	8.38
S053066		8.60	0.34	3.86	7.7	1120	0.93	1.32	9.52	0.17	18.85	43.9	278	1.94	431	7.34
S053067		3.90	0.02	4.91	5.2	1220	0.73	0.55	3.13	0.07	29.9	27.2	384	5.84	62.0	3.70
S053068		8.14	0.40	1.91	2.1	470	0.83	11.60	12.90	0.16	19.00	44.9	97	1.13	483	9.56
S053069		4.38	0.01	0.04	0.2	60	<0.05	0.04	21.6	0.06	0.98	0.8	1	0.08	2.3	0.49
S053070		7.22	0.36	1.06	2.3	50	1.21	2.48	15.25	0.12	16.05	36.3	2	0.24	346	11.40
S053071		4.02	0.69	8.89	3.8	130	1.38	1.02	11.20	0.19	150.5	38.9	9	1.07	562	6.00
S053072		8.36	0.68	1.74	3.1	50	0.93	1.53	14.75	0.16	28.6	49.0	9	0.42	939	8.72
S053073		0.34	32.6	7.78	139.5	120	0.58	11.95	6.26	33.6	31.0	99.3	125	1.69	7070	10.05
S053074		6.90	0.11	0.62	3.3	80	0.29	2.85	5.33	0.05	2.06	20.8	8	0.17	235	30.6

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CERTIFICATE OF ANALYSIS WH16167650

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
S053039		6.56	0.07	0.4	0.983	0.44	6.2	7.9	0.65	5220	2.06	0.54	2.0	11.1	340	3.0
S053040		5.86	0.06	0.3	0.580	0.37	5.5	48.4	0.33	3720	8.56	0.04	1.6	12.3	430	2.6
S053041		4.14	0.05	0.4	0.583	0.27	3.8	10.4	1.20	4920	1.53	0.53	1.6	9.6	270	2.5
S053042		5.93	0.06	0.3	0.649	0.44	11.9	6.5	1.53	4890	7.33	0.58	2.8	18.5	520	2.9
S053043		6.21	0.05	0.4	0.688	0.38	10.0	6.4	1.50	4750	8.43	0.57	2.7	18.8	500	2.4
S053044		6.31	0.06	0.2	0.172	0.79	13.1	4.9	1.23	1800	3.53	0.84	3.3	16.3	440	4.3
S053045		7.01	0.05	0.3	0.165	0.89	6.7	4.2	1.16	2160	5.74	0.95	3.4	10.2	410	5.3
S053046		4.50	0.06	0.5	0.316	0.74	40.7	4.9	1.97	3020	14.85	0.50	2.0	13.5	370	3.6
S053047		21.2	0.10	2.1	0.242	3.70	34.1	20.1	0.29	1060	5.24	0.08	12.8	6.7	1840	4220
S053048		7.53	0.09	0.4	0.166	0.43	89.9	14.4	5.10	1340	0.82	1.09	4.8	25.9	1290	5.2
S053049		8.78	0.19	0.9	0.257	1.63	121.0	10.1	2.70	1580	1.36	1.28	2.8	22.2	550	4.3
S053050		9.35	0.10	0.3	0.059	1.08	20.6	11.9	6.58	1050	4.62	1.50	6.9	15.4	970	7.3
S053051		11.25	0.10	0.4	0.112	1.31	23.1	23.8	5.61	819	6.01	0.48	4.1	28.8	910	12.5
S053052		0.25	0.20	<0.1	0.005	0.02	0.6	1.1	12.85	195	0.09	0.01	0.2	1.5	210	1.0
S053053		5.14	0.07	0.4	0.414	0.62	29.5	6.2	2.46	2900	0.98	0.49	3.0	22.6	630	3.6
S053054		4.97	0.06	0.4	0.384	0.64	24.8	5.4	2.48	2840	1.00	0.50	3.0	20.5	630	3.5
S053055		4.86	0.05	0.2	0.265	0.45	16.6	9.1	5.17	1940	0.55	0.54	2.2	40.6	800	4.4
S053056		5.00	0.05	0.2	0.333	0.39	13.4	5.2	2.31	2270	1.63	0.28	2.0	38.6	530	5.2
S053057		4.79	0.06	0.2	0.382	0.49	46.9	5.5	3.06	2230	1.00	0.33	1.3	20.0	790	3.7
S053058		3.37	<0.05	0.2	0.328	0.34	7.8	4.5	1.90	3260	2.59	0.19	1.1	13.0	520	3.1
S053059		5.96	<0.05	0.3	0.444	0.49	8.3	4.0	1.40	3600	1.13	0.45	1.8	11.4	320	4.6
S053060		11.15	0.05	0.3	0.055	1.25	16.5	10.2	3.48	1380	3.04	1.22	4.5	40.8	670	8.7
S053061		7.45	0.05	0.3	0.577	0.85	6.5	3.8	1.34	3900	2.38	0.52	3.9	17.4	580	2.8
S053062		7.54	<0.05	0.7	0.447	1.45	6.4	2.9	0.81	3060	1.97	0.57	2.6	10.5	390	4.3
S053063		9.33	0.06	0.4	0.519	0.90	7.5	5.1	2.70	3850	0.88	1.19	3.2	81.5	500	3.3
S053064		7.16	<0.05	0.2	0.446	1.07	7.9	2.6	1.73	1920	1.31	0.44	2.4	27.0	560	4.9
S053065		9.51	0.08	0.4	0.302	1.61	18.0	6.1	2.50	3450	6.23	0.70	5.6	25.8	380	4.9
S053066		10.05	0.06	0.4	0.193	2.19	9.3	16.3	4.80	1820	18.90	0.73	4.1	297	430	4.1
S053067		11.85	0.08	0.2	0.043	1.24	13.7	20.1	5.80	921	5.20	1.05	3.2	392	480	2.6
S053068		6.17	0.06	0.3	0.387	1.40	14.2	7.5	5.56	3350	30.4	0.40	2.1	124.0	450	6.5
S053069		0.20	0.16	<0.1	0.005	0.02	0.5	0.8	13.25	215	0.07	<0.01	0.1	2.0	190	0.9
S053070		4.10	<0.05	0.1	0.554	0.20	12.0	5.9	4.75	4150	8.99	0.47	0.9	18.6	680	3.8
S053071		16.40	0.17	1.8	0.720	0.71	124.5	17.3	2.28	1070	0.43	1.55	6.4	16.1	860	11.4
S053072		5.04	0.05	0.5	0.433	0.17	21.9	7.7	7.18	1860	0.31	0.42	2.2	18.0	500	3.2
S053073		12.25	0.08	0.8	2.59	1.08	17.8	6.9	2.39	936	61.5	0.88	3.0	393	730	9310
S053074		12.50	0.09	0.1	0.093	0.31	1.0	3.3	7.22	725	4.80	0.10	0.9	4.2	310	5.1

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	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
S053039		16.7	<0.002	0.11	0.97	5.1	1	3.5	180.0	0.11	1.97	1.19	0.117	0.10	2.5	27
S053040		18.1	0.002	0.03	5.53	6.0	1	1.6	121.0	0.10	0.10	1.08	0.136	0.08	2.8	43
S053041		8.8	0.003	0.02	1.06	3.3	1	1.2	142.0	0.10	<0.05	0.99	0.085	0.06	1.9	19
S053042		17.9	0.005	0.03	0.68	7.4	1	2.0	127.5	0.16	0.12	1.42	0.160	0.09	1.9	48
S053043		15.1	0.005	0.03	0.71	7.3	1	2.7	121.5	0.16	0.07	1.31	0.150	0.08	1.9	48
S053044		27.9	0.003	0.04	0.37	5.8	1	2.1	181.0	0.21	0.14	2.22	0.140	0.14	1.4	32
S053045		27.6	0.007	0.06	0.32	7.3	1	1.0	198.5	0.22	0.37	1.13	0.186	0.12	1.2	54
S053046		26.9	0.008	0.01	0.46	4.1	1	1.5	90.9	0.12	0.27	1.14	0.099	0.14	2.0	30
S053047		169.5	0.003	0.65	67.9	15.1	4	18.8	399	0.72	0.34	6.09	0.463	1.86	3.3	149
S053048		18.7	<0.002	<0.01	0.48	18.5	1	1.2	197.5	0.28	<0.05	3.28	0.305	0.07	1.3	132
S053049		55.8	<0.002	<0.01	0.49	6.4	1	1.8	158.0	0.19	0.15	3.04	0.153	0.25	2.4	61
S053050		38.0	0.004	0.06	0.57	8.6	2	1.0	349	0.45	<0.05	6.66	0.237	0.22	2.8	71
S053051		71.3	0.013	0.42	1.33	5.4	2	1.6	166.0	0.27	1.63	7.12	0.128	1.25	9.4	59
S053052		0.8	<0.002	<0.01	0.05	0.2	1	<0.2	47.1	0.06	<0.05	0.08	<0.005	<0.02	0.7	1
S053053		25.2	<0.002	0.07	0.43	4.4	1	1.4	86.2	0.20	0.15	1.37	0.128	0.15	2.2	40
S053054		25.1	<0.002	0.07	0.41	4.1	1	1.3	87.6	0.20	0.24	1.22	0.130	0.14	2.1	41
S053055		21.8	<0.002	0.01	0.32	3.9	1	1.0	106.0	0.14	<0.05	1.65	0.076	0.12	1.0	57
S053056		14.6	<0.002	0.50	0.43	3.3	2	2.0	64.4	0.14	0.24	1.43	0.069	0.11	1.6	25
S053057		22.0	<0.002	<0.01	0.42	3.4	1	2.9	58.8	0.08	0.06	1.19	0.071	0.10	2.2	37
S053058		13.4	<0.002	0.04	0.73	2.2	1	1.7	40.1	0.06	0.22	0.61	0.056	0.07	2.1	20
S053059		17.7	<0.002	<0.01	0.44	3.3	1	3.3	84.1	0.11	1.49	0.96	0.086	0.08	1.5	24
S053060		49.8	0.002	0.26	0.29	11.6	1	1.2	263	0.31	0.09	4.76	0.227	0.21	1.6	61
S053061		30.1	<0.002	0.02	0.27	5.2	1	3.8	110.0	0.22	0.64	1.70	0.207	0.12	2.4	46
S053062		49.9	0.002	0.01	0.30	4.7	1	5.3	127.0	0.16	2.99	1.81	0.140	0.22	3.7	40
S053063		38.8	<0.002	<0.01	0.43	8.0	1	4.5	137.5	0.20	0.28	2.47	0.177	0.16	3.1	54
S053064		36.7	<0.002	<0.01	0.32	6.0	1	5.0	144.5	0.15	<0.05	1.77	0.100	0.15	2.1	29
S053065		65.1	0.003	0.09	0.47	5.4	2	2.6	130.5	0.37	0.50	5.80	0.157	0.26	2.7	62
S053066		88.5	0.005	1.33	1.61	11.8	5	2.4	149.5	0.26	1.12	3.12	0.233	0.39	2.3	90
S053067		84.9	0.002	0.13	0.27	14.7	1	1.6	154.0	0.22	0.68	3.98	0.251	0.47	1.2	97
S053068		51.7	0.013	1.20	0.55	6.1	6	1.3	56.2	0.14	8.18	1.57	0.116	0.20	2.2	37
S053069		0.7	<0.002	0.01	<0.05	0.1	1	<0.2	48.7	<0.05	<0.05	0.05	<0.005	<0.02	0.4	1
S053070		12.1	0.003	0.68	0.66	3.2	3	1.3	82.0	<0.05	0.92	0.62	0.068	0.05	1.4	16
S053071		64.2	0.002	1.25	3.64	7.7	6	5.6	437	0.46	0.23	9.58	0.280	0.23	27.8	63
S053072		13.7	<0.002	2.18	1.00	5.6	7	2.2	91.9	0.13	0.68	0.97	0.124	0.09	3.4	28
S053073		46.5	0.015	6.75	33.6	13.5	14	6.9	164.0	0.21	0.71	3.52	0.220	2.36	5.7	411
S053074		12.6	<0.002	0.80	0.74	0.9	2	1.3	13.5	0.06	0.67	0.88	0.024	0.10	2.4	18

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (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- OCT- 2016
Account: MTT

Project: Hopper

CERTIFICATE OF ANALYSIS WH16167650

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- ICP21 Au ppm 0.001
S053039		11.7	20.3	100	17.9	0.005
S053040		17.4	16.9	116	12.2	0.005
S053041		21.2	18.3	123	14.8	0.003
S053042		31.6	18.1	107	10.7	0.007
S053043		32.2	18.6	111	11.1	0.004
S053044		7.5	14.1	73	8.6	0.002
S053045		9.0	14.3	100	9.6	0.040
S053046		13.4	12.3	124	18.9	0.010
S053047		3.4	20.6	2570	67.5	1.440
S053048		0.6	16.5	58	10.6	0.003
S053049		2.8	13.2	52	29.0	0.003
S053050		0.5	15.4	95	7.8	0.001
S053051		1.3	19.4	71	11.5	0.002
S053052		0.1	0.8	15	<0.5	<0.001
S053053		15.2	15.4	91	12.8	0.011
S053054		14.6	14.2	90	12.5	0.013
S053055		1.7	11.8	89	6.8	0.001
S053056		7.6	13.2	98	6.0	0.040
S053057		21.0	14.7	79	7.1	0.002
S053058		12.6	11.7	88	7.2	0.003
S053059		11.2	18.0	85	11.2	0.002
S053060		0.9	18.6	67	7.5	0.002
S053061		12.2	20.2	93	10.9	0.003
S053062		6.8	20.5	69	28.9	0.004
S053063		15.3	18.1	111	11.3	0.002
S053064		16.8	18.1	66	6.8	0.005
S053065		1.9	18.9	89	12.4	0.019
S053066		3.0	19.5	81	12.7	0.011
S053067		0.5	15.8	46	6.1	0.002
S053068		1.8	12.8	90	10.5	0.015
S053069		0.1	0.7	15	<0.5	<0.001
S053070		3.1	8.7	91	4.1	0.004
S053071		3.7	38.1	46	58.4	0.002
S053072		2.7	13.7	59	18.2	0.027
S053073		5.9	14.6	8660	28.2	1.405
S053074		0.5	5.6	57	5.1	0.015

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

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Project: Hopper

CERTIFICATE OF ANALYSIS WH16167650

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

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

LABORATORY ADDRESSES

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

Au- ICP21	CRU- 31	CRU- QC	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	SPL- 21	SPL- 21d	WEI- 21

APPENDIX IV

GEOLOGICAL AND GEOTECHNICAL LOGS

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397125	6794394	1096	266.7

ZONE: Hopper

SECTION:

HOLE: HOP-16-010

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 03 - Sep 06, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
1.52	265.2	-69.6	Reflex
266.7	274.1	-67.7	Reflex

TARGET: Hopper South Zone

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	1.52	1.52	OVB
1.52	7.46	5.94	HBS
7.46	18.64	11.18	MBL
18.64	19.05	0.41	AND
19.05	20.21	1.16	MBL
20.21	21.93	1.72	AND
21.93	25.83	3.9	MBL
25.83	28.56	2.73	CSL
28.56	31.27	2.71	HBS
31.27	32.38	1.11	AND
32.38	36.81	4.43	HBS
36.81	44.63	7.82	FAP
44.63	48.94	4.31	HBS
48.94	49.61	0.67	QTE
49.61	50.85	1.24	FFP
50.85	55.7	4.85	HBS

SAMPLES	
Numbers:	S052751 to S052815
Total:	65
Batch:	001, 002
Certificates:	WH16151561, WH16151563

COMMENTS

55.7	57.57	1.87	SKN
57.57	60.22	2.65	FFP
60.22	62.27	2.05	HBS
62.27	63.73	1.46	SKN
63.73	65.44	1.71	HBS
65.44	68.54	3.1	SKN
68.54	73.61	5.07	HBS
73.61	75.41	1.8	RHY
75.41	75.95	0.54	HBS
75.95	80.01	4.06	MBL
80.01	81.52	1.51	GRD
81.52	88.09	6.57	MBL
88.09	89.33	1.24	SKN
89.33	95.26	5.93	MBL
95.26	95.97	0.71	SKN
95.97	97.38	1.41	MBL
97.38	98.05	0.67	SKN
98.05	99.7	1.65	MBL
99.7	100.41	0.71	RHY
100.41	105.39	4.98	MBL
105.39	111.95	6.56	CSL
111.95	112.6	0.65	GRN
112.6	114.36	1.76	MBL
114.36	117.06	2.7	SKN
117.06	118.98	1.92	MBL
118.98	121.21	2.23	CSL
121.21	124.8	3.59	SKN
124.8	129.09	4.29	MBL
129.09	131.88	2.79	SKN
131.88	139.46	7.58	LST
139.46	141.95	2.49	MBL
141.95	142.98	1.03	SKN

142.98	153.75	10.77	HBS
153.75	158.67	4.92	SKN
158.67	162.18	3.51	RHY
162.18	163.75	1.57	SKN
163.75	174.74	10.99	FAP
174.74	176.89	2.15	CSL
176.89	178.95	2.06	FAP
178.95	179.68	0.73	CSL
179.68	184.92	5.24	SKN
184.92	187.22	2.3	FAP
187.22	188.96	1.74	HBS
188.96	190.98	2.02	SKN
190.98	204.84	13.86	HBS
204.84	214.21	9.37	SKN
214.21	215.65	1.44	MBL
215.65	217.58	1.93	HBS
217.58	221.01	3.43	AND
221.01	226.58	5.57	HBS
226.58	227.54	0.96	SKN
227.54	233.01	5.47	HBS
233.01	266.7	33.69	GRD

Box Log

HOP-16-010

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	4.57
2	4.57	8.94
3	8.94	13
4	13	17.3
5	17.3	21.67
6	21.67	26.03
7	26.03	30.5
8	30.5	34.81
9	34.81	38.87
10	38.87	43.28
11	43.28	47.48
12	47.48	51.81
13	51.81	56.14
14	56.14	60.28
15	60.28	64.76
16	64.76	68.98
17	68.98	73.28
18	73.28	77.51
19	77.51	81.87
20	81.87	86.28
21	86.28	90.52
22	90.52	94.59
23	94.59	98.96
24	98.96	103.29
25	103.29	107.68
26	107.68	111.79
27	111.79	116.13
28	116.13	120.4
29	120.4	124.8
30	124.8	129.24

Box Number	From (m)	To (m)
31	129.24	133.45
32	133.45	137.85
33	137.85	142.2
34	142.2	146.56
35	146.56	150.76
36	150.76	154.39
37	154.39	158.96
38	158.96	163.07
39	163.07	167.45
40	167.45	171.58
41	171.58	175.92
42	175.92	180.18
43	180.18	184.88
44	184.88	189.3
45	189.3	193.55
46	193.55	197.97
47	197.97	202.32
48	202.32	206.54
49	206.54	210.85
50	210.85	214.99
51	214.99	219.28
52	219.28	223.5
53	223.5	228.07
54	228.07	232.46
55	232.46	236.72
56	236.72	241.16
57	241.16	245.46
58	245.46	249.76
59	249.76	254.14
60	254.14	258.11

Box Number	From (m)	To (m)
61	258.11	262.23
62	262.23	266.7

Hole Name

Archer,Cathro & Associates (1981) Limited

Hole Name	From (m)	Length (m)	Core Size	Rock Type	Weight in Air (g)	Weight in Water (g)	Density (g/cm3)	Specific Gravity	Comments
HOP-16-010									
	1	2	BTW	OVB	3	4	0.11	-3.0	1123

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	FG	Rubbly overburden comprising clasts of well foliated medium to dark grey hornfels-biotite schist with moderately oxidized fractures.							
						MD	GY	---	OXI	2I	--	0
						DK	GY					
1.52	7.46	5.94	HBS	FG	Well foliated dark to medium grey to purple hornfels-biotite schist with minor intermittent intervals of calc-silicate, some of which are pyroxene skarn up to 10 cm wide representing about 2 percent of the interval. Interval is weakly oxidized along foliations and seams. One 5 cm interval of pyroxene skarn hosting trace fine grained blebby chalcopyrite and magnetite. A 5 mm wide ankerite vein cross cuts this skarn.							
						MD	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
7.46	12.94	5.48	MBL	FG	Well banded, light grey to white strongly siliceous marble with an interval of massive marble with intermittent banded marble. Interval hosts minor intermittent hornfels-biotite schist and mottled garnet-pyroxene skarn up to 55 cm within marble interval.							
						LT	GY	BN	SIL	5I	--	0
						LT	WH					
12.94	16.48	3.54	MBL	FG	Dominantly massive marble (strong fizz with 10% HCl) with intermittent bands of weakly to moderately silicified marble. Minor intervals of weakly calc-silicate alteration.							
						LT	GY	MA	SIL	1I	--	0
						LT	WH	BN				
16.48	17.10	0.62	SKN	FG	Mottled to sinuously banded green pyroxene skarn (weakly skarnified) with minor epidote blabs up to 1 cm wide. Weak to moderate fizz with 10% HCl. Patchy garnet represents about 10% of interval. No visible mineralization.							
						MD	GN	Mo	EPI	2I	--	0
						LT	GN	BN				
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
17.10	18.64	1.54	MBL	FG	Dominantly massive marble (strong fizz with 10% HCl) with intermittent bands of weakly to moderately silicified marble. Minor intervals of weakly calc-silicate alteration. Minor intervals of dark grey-green chlorite altered hornfels-biotite schist found intermittently.							
						LT	WH	MA				
						LT	GY	BN	SIL	5I	--	0
18.64	19.05	0.41	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							
						DK	GN	MA	EPI	1I	--	0
19.05	20.21	1.16	MBL	FG	Dominantly massive marble (strong fizz with 10% HCl) with intermittent bands of weakly to moderately silicified marble. Minor intervals of weakly calc-silicate alteration.							
						MD	GY					
						LT	GY	BN	SIL	2I	--	0
						LT	WH					
20.21	21.93	1.72	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							
						DK	GN	MA	EPI	1I	--	0
21.93	25.83	3.90	MBL	FG	Well banded light to medium grey strongly to weakly silicified marble with trace bands of light green weakly calc-silicate found intermittently. Trace epidote alteration of calc-silicate intervals found locally.							
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
25.83	28.56	2.73	CSL	FG	Dominantly well banded medium green calc-silicate with intermittent and chlorite altered hornfels-biotite schist found locally and up to 10 cm wide. A skarn interval (~15 cm) hosts patchy pyroxene with minor garnet blebs up to 1 x 1 cm. Skarn hosts a dark grey seam hosting fine grained sulphides with trace blebby fine grained pyrite and chalcopyrite. Interval fizzes with 10% HCl.							
						MD	GN					
						LT	GN	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
28.56	31.27	2.71	HBS	FG	Fine grained, dark grey and purple to medium grey, well foliated hornfels-biotite schist with minor intervals of up to 10 cm comprising quartzite, which is variably oxidized. Hornfels-biotite schist is locally weak to strongly chlorite altered with biotite going to chlorite.							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	PU					
31.27	32.38	1.11	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							
						DK	GN	MA	EPI	1I	--	0
32.38	36.81	4.43	HBS	FG	Well foliated, dark grey to purple to medium grey hornfels-biotite schist with some biotite altering to chlorite and up to 1 x 1 cm. Minor chlorite and pyrite seams pervasively trending perpendicular to bedding and sinuous.							
						MD	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
36.81	44.63	7.82	FAP	CG	Fine grained dark grey-green andesite porphyry dyke with phenocrysts of euhedral to subhedral plagioclase and more fine grained euhedral to subhedral hornblende. Hosts trace blebby fine grained pyrite disseminated throughout. Appears that epidote is altering plag? Minor chlorite seams pervasive.							
						DK	GN	PO	EPI	2I	Py	0.01
44.63	48.94	4.31	HBS	FG	Dark grey to dark purple and dark green well foliated hornfels-biotite schist. Trace chlorite with or without pyrite seams pervasive. Epidote alteration is found locally and is occasionally strong and banded.							
						DK	GY	FO	CHL	2I	--	0
						DK	GN		EPI	2I		
						DK	PU					
48.94	49.61	0.67	QTE	FG	Massive white quartzite with trace chlorite seams and globs found perversely (5% or unit).							
						LT	GY	MA				
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
49.61	50.85	1.24	FFP	CG	Light grey felsic feldspar porphyry dyke with euhedral to subhedral phenocrysts up to 1 x 1 cm with trace hornblende phenocrysts up to 1 mm x 1 mm. Chlorite?-pyrite-chalcopyrite seams found a 4 per metre and generally less than 1 mm, except one discontinuous seam up to 1 cm. Non-magnetic.							
						LT	GY	PO	---	--	Cp	0.01
											Py	0.01
50.85	55.70	4.85	HBS	FG	Dominantly fine grained dark grey to purple to green hornfels-biotite schist with intermittent pyroxene-garnet skarn horizons up to 5 cm hosting blebby pyrrhotite and chalcopyrite. Minor interbedded quartzite with coarse grained biotite patches/blebs. Chalcopyrite and pyrrhotite within skarn is disseminated and found as stringers within white quartz seams. Intervals hosts an approximately 20 cm interval of weak to moderately oxidized hornfels-biotite schist.							
						DK	GY	FO	CHL	3I	--	0
						DK	GN		OXI	1I		
						DK	PU					
55.70	57.57	1.87	SKN	FG	Interbedded medium green mottled pyroxene +/- garnet skarn hosting trace to weak blebby fine grained chalcopyrite and pyrrhotite. Skarn appears to have a weak epidote stain associated with it. Minor discontinuous quartz veins hosting garnet and chalcopyrite found locally within skarn. Remainder of interval is fine grained dark grey-purple-green hornfels-biotite schist with minor calcareous skarn seams within the foliation, which locally hosts trace fin grained chalcopyrite and pyrrhotite (blebby and disseminated) ~ 60% Skarn and 40% Hornfels-biotite schist.							
						MD	GN	Mo	EPI	2I	Cp	0.01
						DK	GY	FO			Po	0.01
						DK	GN					
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
57.57	60.22	2.65	FFP	CG	Light grey felsic feldspar porphyry dyke hosting euhedral to subhedral plagioclase phenocrysts up to 1 x 2 cm and hornblende up to 0.5 x 1 cm. Sporadic and minor pyrrhotite +/- chalcopyrite stringers found locally. Appears to have cut an andesite feldspar porphyry dyke? And partially bleached it and likely exploited same space later on.							
						LT	GY	PO	---	--	--	0
60.22	62.27	2.05	HBS	FG	Weakly foliated, dark grey to purple to green hornfels-biotite schist with trace fine grained pyrrhotite following foliation. Approximately 1-2 cm wide calcite vein hosting disseminated chalcopyrite-pyrite and covelite? (fine grained black) and bleeds into a 10 cm wide selvage of calc-silicate.							
						DK	GY	FO	CHL	2I	Po	0.01
						DK	PU					
						DK	GN					
62.27	63.73	1.46	SKN	FG	Medium green pyroxene-chlorite skarn hosting fine grained blebby and disseminated chalcopyrite-pyrite-magnetite with larger blebs of pyrrhotite. Patchy areas of garnet and garnet bands up to 1 cm (trace). Black "pock" marks are found pervasively throughout interval. Patchy garnet is weakly to moderately epidote altered (patchy as well).							
						MD	GN	MA	EPI	1I	Cp	0.1
											Po	0.2
											Py	0.1
63.73	65.44	1.71	HBS	FG	Well foliated dark grey-green-purple hornfels-biotite schist with trace skarn patches found locally, some of which host trace fine grained pyrrhotite-chalcopyrite-pyrite disseminated and blebby throughout.							
						MD	GY	FO	CHL	3I	Cp	0.01
						DK	GY				Po	0.1
						DK	PU				Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
65.44	68.54	3.10	SKN	FG	Pyroxene-garnet skarn (85% pyroxene-15% garnet) mostly mottled with locally weak epidote alteration and chlorite alteration. Pyrrhotite-chalcopyrite-pyrite is found disseminated as blebs pervasively throughout the skarnified interval. Black "pock" marks are also found pervasively. A 10 cm interval of vuggy quartz-carb? Vein is found within the interval.							
						MD	GN	MA			Po	0.1
						LT	PK				Py	0.1
						DK	GN	Mo	---	--	Cp	0.1
68.54	73.61	5.07	HBS	FG	Dark grey to dark purple well foliated hornfels-biotite schist with local intervals hosting disseminated garnets up to 1 x 1 cm. Minor intervals of quartzite found intermittently up to 20 cm wide. Trace fine grained pyrrhotite disseminated along foliation.							
						DK	GY	FO	---	0I	Po	0.01
						DK	PU					
73.61	75.41	1.80	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	--	--	0
75.41	75.95	0.54	HBS	FG	Dark grey to dark purple well foliated hornfels-biotite schist with local intervals hosting disseminated garnets up to 1 x 1 cm. Minor intervals of quartzite found intermittently up to 20 cm wide. Trace fine grained pyrrhotite disseminated along foliation.							
						DK	GY	FO	---	--	--	0
						DK	PU					
75.95	80.01	4.06	MBL	FG	Dominantly well banded marble with light grey to medium grey bands with minor intervals of weak calc-silicate alteration turning marble into a light green. No visible mineralization, however a 10 cm wide interval of pyroxene skarn is found within it.							
						LT	GY	BN	---	0I	--	0
						LT	WH		SIL	2I		
80.01	81.52	1.51	GRD	MG	Medium grained hornblende-biotite granodiorite sill, with patches up to 1 x 1 cm altering to epidote. Appears as subhedral blebs.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	GY	XL	EPI	3I	--	0
81.52	88.09	6.57	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
88.09	89.33	1.24	SKN	FG	Well banded pyroxene-garnet skarn (weakly skarnified) with intermittent intervals of marble found locally. No visible mineralization.							
						MD	GN	BN	---	0I	--	0
						LT	PK					
89.33	95.26	5.93	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						MD	GY					
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
95.26	95.97	0.71	SKN	FG	Fine grained massive dark green diopside skarn hosting blebby pyrrhotite (2%), magnetite (1%) and trace chalcopyrite and pyrite.							
						DK	GN	MA	---	0I	Po	2
											Mg	1
											Cp	0.1
											Py	0.1
95.97	97.38	1.41	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
97.38	98.05	0.67	SKN	FG	Massive dark green diopside-magnetite-pyrrhotite skarn. Mineralization is blebby and chalcopyrite appears to be more associated with pyrrhotite than magnetite.							
						DK	GN	MA	---	0I	Po	1
											Mg	1
											Cp	0.1
98.05	99.70	1.65	MBL	MG	Well banded light grey to dark grey marble with intermittent intervals of hornfels-biotite schist. Some areas of marble are weakly calc-silicate altered to light green, but not mineralized.							
						LT	GY	BN	---	0I	--	0
						LT	GN					
						DK	GY					
99.70	100.41	0.71	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	0I	--	0
100.41	105.39	4.98	MBL	MG	Well banded light grey to dark grey marble with intermittent intervals of hornfels-biotite schist. Some areas of marble are weakly calc-silicate altered to light green, but not mineralized.							
						LT	GY	BN	---	0I	--	0
						LT	GN					
						DK	GY					
105.39	111.95	6.56	CSL	MG	Mottled to banded with alternating green and white calc-silicate and marble. Marble has been weakly calc-silicate altered and hosts clots of ankerite up to 1 x 2 cm. Minor bands of HBS found intermittently (2% of interval). Trace pyrite found locally (disseminated). Minor intermittent intervals of quartzite.							
						LT	GN	Mo	---	--	--	0
								BN	ANK	1I		
111.95	112.60	0.65	GRN	FG	Fine grained hornblende-biotite granite sill with trace fine grained disseminated pyrite pervasively throughout. Unit is cut by white quartz veins up to 1 cm bleaching the granite.							
						LT	GY	EQ	---	--	Py	0.01
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
112.60	114.36	1.76	MBL	MG	Well banded, medium grained, light grey marble with minor intermittent bands of light green calc-silicate (~ 60% marble 40% calc-silicate).							
						LT	GY	BN	---	--	--	0
						LT	WH					
						LT	GN					
114.36	117.06	2.70	SKN	FG	Massive medium green pyroxene skarn with trace bands of garnet up to 1 cm and ankerite clots up to 2 cm wide. Trace disseminated blebby chalcopyrite is found locally within ankerite flooded areas.							
						MD	GN	MA	ANK	1I	Cp	0.01
117.06	118.98	1.92	MBL	MG	Well banded light to medium grey marble. Minor intervals of intermittent light green calc-silicate bands within the marble.							
						MD	GY					
						LT	GY	BN	---	0I	--	0
						LT	WH					
118.98	121.21	2.23	CSL	MG	Well banded light green calc-silicate with intermittent intervals of light grey marble and up to 10 cm wide quartzite. No visible mineralization.							
						MD	GN					
						LT	GN	BN	---	--	--	0
121.21	124.80	3.59	SKN	FG	Banded to mottled pyroxene skarn with minor garnet blebs found locally. Intermittent zones of up to 10 cm wide within pyroxene skarn hosting weakly disseminated chalcopyrite and pyrrhotite (1% combined). Minor epidote altered locally. Minor steeply dipping seams off-set milky white quartz veinlets. Clots up to 2 x 5 cm of garnet and marble found locally.							
						MD	GN	BN	EPI	1I	Cp	0.01
								Mo			Po	0.01
124.80	129.09	4.29	MBL	MG	Well banded light to medium grey marble with intermittent bands of calc-silicate up to 10 cm wide found locally. Marble is variably silicified throughout the interval. Minor ankerite clots up to 1 x 1 cm found locally. No visible mineralization.							
						LT	GY	BN	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						LT	GN					
129.09	131.88	2.79	SKN	FG	Well banded to massive pyroxene skarn hosting blebby chalcopyrite, pyrrhotite and pyrite locally. Sections of disseminated chalcopyrite and pyrrhotite found within more massive pyroxene skarn. Minor magnetite found locally as blebs with pyrrhotite and chalcopyrite. Minor stringers of bright green serpentine? Found occasionally. One 20 cm section of semi-massive pyroxene-pyrrhotite +/- magnetite skarn with trace fine grained chalcopyrite. Last 10 cm of interval hosts a mottled garnet-pyroxene skarn altering to chlorite and epidote with 1% disseminated chalcopyrite and chalcopyrite within stringers.							
						MD	GN	BN	CHL	2I	Po	0.1
						LT	GN	MA			Cp	0.01
											Py	0.01
135.01	139.46	4.45	LST	MG	Well banded alternating light grey and medium grey limestone. Moderate magnetite stringers with irregular clots and bands found along bedding. Moderate serpentine is also occasionally associated with magnetite band and stringers. Pyrrhotite is sometimes found with magnetite. Minor fuchsite associated with minor clay found along fracture surfaces. Trace intervals of marble, but not associated with magnetite.							
						MD	GY					
						LT	GY	BN	---	0I	Mg	0.5
						LT	WH		---	0I		
139.46	141.95	2.49	MBL	MG	Well banded magnetite and marble within zones of strong magnetite flooding, which for irregular bodies up to 2 x 5 cm. Pyrrhotite is found as large patches and blebs and may or may not be associated with magnetite. Serpentine is occasionally associated with magnetite bands. No visible chalcopyrite.							
						LT	GY	BN	---	0I	Mg	10
						DK	BL				Po	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
141.95	142.98	1.03	SKN	FG	Pyroxene to diopside skarn hosting zones of semi-massive magnetite and pyrrhotite. Magnetite and pyrrhotite is found as veins and dendritic bodies pervasively. Top 20 cm hosts light green pyroxene skarn with blebby pyrrhotite (1%). Minor fuchsite found along one fractures separating massive magnetite and massive pyroxene skarn.							
						MD	GN	MA	---	--	Mg	10
						DK	GN				Po	5
142.98	153.75	10.77	HBS	FG	Well foliated dark purple to green to grey hornfels-biotite schist with some well fractured zones with moderate oxide alteration along fractures and seams. A 20 cm interval of semi-massive pyrrhotite and magnetite diopside skarn hosting trace fine grained disseminated chalcopyrite between 144.24 and 144.59 m. Last 1.5 m of interval is strongly fractured and rubbly with moderate to strong oxidation (fault zone?).							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	PU		OXI	2I		
153.75	158.67	4.92	SKN	FG	Mottled diopside-magnetite-pyrrhotite-actinolite-tremolite skarn with areas of wavy banding and discontinuous banded (leopard like). Stringers, blebs and clots of pyrrhotite found locally with trace to weak chalcopyrite and pyrite. Magnetite is often associated with pyrrhotite in bands. Moderate epidote alteration is found locally.							
						LT	GN				Cp	0.1
						DK	GN	Mo	---	--	Po	2
						DK	GY				Mg	2
											Py	0.1
158.67	162.18	3.51	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard). Top contact has a 60 cm endoskarn, altering it to light to medium green with fine grained blebby disseminated pyrrhotite +/- chalcopyrite.							
						LT	GY	MA	---	--	Po	0.01
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
162.18	163.75	1.57	SKN	FG	Wavy banded to leopard actinolite-diopside-tremolite skarn with blebby chalcopyrite-pyrite and pyrrhotite found along bands as dissemination. Appears to be some hornfels-biotite schist within this unit between the skarn horizons.							
						LT	GY					
						LT	GN					
						DK	GY	BN	---	0I	--	0
163.75	174.74	10.99	FAP	MG	Dark green fine grained andesite with subhedral feldspar phenocrysts up to 1.5 x 1.5 cm and hornblende crystals up to 0.5 x 0.1 mm. Some of the interval looks like propylitic altered diorite? With moderate epidote alteration.							
						DK	GN	PO	EPI	2I	--	0
						DK	GY					
174.74	176.89	2.15	CSL	FG	Intermittent calc-silicate and hornfels-biotite schist. Well foliated with local weak to moderate epidote alteration found as bands. Minor chalcopyrite and pyrrhotite found as blebs within bands of more calc-silicate altered material. Trace chalcopyrite stringers found locally. Fracture faces often host fine to medium grained blebby pyrite.							
						MD	GN	FO	SIL	2I	Cp	0.01
						LT	GY				Po	0.1
						DK	GY					
176.89	178.95	2.06	FAP	MG	Dark green fine grained andesite with subhedral feldspar phenocrysts up to 1.5 x 1.5 cm and hornblende crystals up to 0.5 x 0.1 mm. Some of the interval looks like propylitic altered diorite? With moderate epidote alteration.							
						MD	GY					
						DK	GN	PO	EPI	2I	--	0
						DK	GY					
178.95	179.68	0.73	CSL	FG	Intermittent calc-silicate and hornfels-biotite schist. Well foliated with local weak to moderate epidote alteration found as bands. No visible mineralization.							
						MD	GN	BN	SIL	2I	--	0
						LT	GY					
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
179.68	184.92	5.24	SKN	FG	Intermittent diopside-actinolite-tremolite skarn and dark grey to purple hornfels-biotite schist. Pervasive calcite stringers found locally over the last half of the interval. Epidote alteration is local and found as bands replacing diopside/pyroxene. Chalcopyrite is found as disseminations along with pyrrhotite and pyrite and as stringers. 50% skarn 50% hornfels-biotite schist.							
						LT	GY					
						DK	GY	FO			Cp	0.01
						DK	GN	BN	EPI	2I	Po	0.1
184.92	187.22	2.30	FAP	MG	Dark green fine grained andesite matrix with anhedral plagioclase phenocrysts up to 1 x 1 cm and hornblende up to 0.5 mm long. One 1 x 1 cm bleb of chalcopyrite and pyrrhotite in the centre of the interval. Sill							
						DK	GN	PO	---	--	--	0
						DK	GY					
187.22	188.96	1.74	HBS	FG	Well foliated, dark grey to purple to green hornfels-biotite schist with intermittent skarn bands up to 2 cm near end of interval. One chlorite-pyrrhotite-chalcopyrite veinlet cuts obliquely to bedding. A 10 cm rhyolite? Dyke cuts this interval steeply and hosts a 2 x 2 cm bleb of chalcopyrite-pyrrhotite and chalcopyrite (mostly chalcopyrite).							
						DK	PU	FO	---	--	--	0
						DK	GN					
						DK	GY					
188.96	190.98	2.02	SKN	FG	Mottled light to medium green and light pink pyroxene-garnet skarn hosting blebby to patchy chalcopyrite, pyrrhotite and pyrite disseminated throughout the interval. Trace blebs of magnetite also found associated with chalcopyrite, pyrrhotite and pyrite. Minor chlorite seams hosting pyrrhotite-pyrite-chalcopyrite found locally. Garnet is weakly altered into chlorite locally.							
						MD	GN				Py	0.1
						LT	GN	Mo	CHL	2I	Cp	0.5
						LT	PK				Po	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
190.98	204.84	13.86	HBS	FG	Well foliated, dark grey to light grey to dark green to dark purple hornfels-biotite schist with local areas up to 50 cm of strongly siliceous light grey zones. Minor chlorite-pyrite stringers found locally. Minor (~ 0.5 cm) circular dark purple to red garnets found locally within hornfels-biotite schist. Intervals up to 20 cm of calc-silicate to chlorite altered hornfels-biotite schist hosting trace blebby chalcopyrite and pyrrhotite.							
						LT	GY	FO	CHL	2I	--	0
						DK	GY					
						DK	PU					
204.84	214.21	9.37	SKN	FG	Well banded to massive pyroxene skarn with intermittent hornfels-biotite schist making up 20% of interval. Banded skarn host up to 1 cm wide semi-massive pyrrhotite bands locally. Weak to moderate chalcopyrite and pyrrhotite is disseminated and blebby throughout. Trace calcite-pyrrhotite-magnetite-chalcopyrite-pyrite stringers/veinlets found locally. Intermittent zones of silicified skarn - light green, massive pyroxene skarn generally hosts fine grained disseminated chalcopyrite-pyrrhotite +/- magnetite. Fractures occasionally host fine to medium grained blebs of pyrite. Chlorite rich schist and calc-silicates host pyrite along fractures and trace blebby chalcopyrite-pyrite-pyrrhotite.							
						MD	GN				Po	0.5
						MD	GY				Mg	0.1
						DK	GN	MA	CHL	2I	Cp	0.1
											Py	0.1
214.21	215.65	1.44	MBL	MG	Light grey to white medium grained marble with minor green (chl?) seams found locally. Minor blebby pyrrhotite and pyrite found disseminated.							
						--	--	BN	---	--	--	0
215.65	217.58	1.93	HBS	FG	Well foliated, dark grey to purple hornfels-biotite schist with trace up to 0.5 cm garnet crystals disseminated along foliation. Minor calcite seams found throughout. Minor medium grained pyrite along fracture planes.							
						DK	GY	FO	---	--	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
217.58	221.01	3.43	AND	FG	Dark green, fine grained andesite with up to 1 mm hornblende crystals. Pervasive calcite seams found at about 5 per metre. Selvages within the andesite become bleached to a light grey colour over 30 cm on either side of the contact.							
						DK	GN	MA	---	0I	--	0
						DK	GY		---	0I		
221.01	226.58	5.57	HBS	FG	Fine grained, well foliated dark grey to green hornfels-biotite schist with minor intermittent skarn horizons comprising banded pyroxene skarn hosting blebby pyrrhotite +/-chalcopyrite. One 20 cm interval of massive crackle brecciated pyroxene skarn hosting chlorite-pyrrhotite-chalcopyrite veinlets and blebby chalcopyrite-pyrrhotite (0.1% cp and 0.5% po). Minor quartzite intervals found locally.							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
						DK	GN					
226.58	227.54	0.96	SKN	FG	Dark green medium grained massive pyroxene-chlorite skarn hosting weak blebby to disseminated pyrrhotite-pyrite+/-chalcopyrite. Minor black "pock" marks. An ~ 30 cm interval of dark grey-purple hornfels-biotite schist with minor purple garnet clasts up to 0.5 cm disseminated along foliation.							
						MD	GN	MA	---	--	Po	0.5
											Cp	0.1
227.54	233.01	5.47	HBS	FG	Dark grey to purple well foliated hornfels-biotite schist with moderate purple garnet clasts up tot 0.5 cm found pervasively along foliation. Occasional fractures host fine to medium grained blebby pyrite. A 15 cm interval of white to light grey quartzite lies in centre of interval. Minor skarn up to 5 cm found locally and intermittently as bands (unmineralized).							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
233.01	266.70	33.69	GRD	MG	Medium grey hornblende-biotite granodiorite. Weakly propylitic altered with biotite and Phlogopite? Hornblende is altering into chlorite. Fractures occasionally host fine grained to medium grained pyrite +/- chalcopyrite. Minor quartz veins up to 1 cm hosting discontinuous blebby chalcopyrite (up to 1 x 0.5 cm) within centre of vein with trace blebby pyrite. At the top contact with hornfels-biotite schist see patches of chalcopyrite up to 1 x 2 cm with lesser blebby pyrite (3:1 ratio of cp to py)within the schist. Granodiorite has feldspar phenocrysts up to 0.5 x 0.5 cm, but mostly equigranular. Trace chlorite-pyrite seams found locally. Near the bottom of the interval, calcite seams increase to 4 per metre.							
						MD	GY	EQ	PRO	3I	--	0

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	FG	Rubbly overburden comprising clasts of well foliated medium to dark grey hornfels-biotite schist with moderately oxidized fractures.							
						MD	GY	---	OXI	2I	--	0
						DK	GY					
1.52	7.46	5.94	HBS	FG	Well foliated dark to medium grey to purple hornfels-biotite schist with minor intermittent intervals of calc-silicate, some of which are pyroxene skarn up to 10 cm wide representing about 2 percent of the interval. Interval is weakly oxidized along foliations and seams. One 5 cm interval of pyroxene skarn hosting trace fine grained blebby chalcopyrite and magnetite. A 5 mm wide ankerite vein cross cuts this skarn.							
						DK	GY	FO	OXI	2I	--	0
						MD	GY					
						DK	PU					
7.46	18.64	11.18	MBL	FG	Well banded, light grey to white strongly siliceous marble with an interval of massive marble with intermittent banded marble. Interval hosts minor intermittent hornfels-biotite schist and mottled garnet-pyroxene skarn up to 55 cm within marble interval.							
						LT	WH					
						LT	GY	BN	SIL	5I	--	0
18.64	19.05	0.41	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							
						DK	GN	MA	EPI	1I	--	0
19.05	20.21	1.16	MBL	FG	Dominantly massive marble (strong fizz with 10% HCl) with intermittent bands of weakly to moderately silicified marble. Minor intervals of weakly calc-silicate alteration.							
						LT	WH					
						MD	GY					
						LT	GY	BN	SIL	2I	--	0
20.21	21.93	1.72	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	EPI	1I	--	0
21.93	25.83	3.90	MBL	FG	Well banded light to medium grey strongly to weakly silicified marble with trace bands of light green weakly calc-silicate found intermittently. Trace epidote alteration of calc-silicate intervals found locally.							
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
25.83	28.56	2.73	CSL	FG	Dominantly well banded medium green calc-silicate with intermittent and chlorite altered hornfels-biotite schist found locally and up to 10 cm wide. A skarn interval (~15 cm) hosts patchy pyroxene with minor garnet blebs up to 1 x 1 cm. Skarn hosts a dark grey seam hosting fine grained sulphides with trace blebby fine grained pyrite and chalcopyrite. Interval fizzes with 10% HCl.							
						MD	GN					
						LT	GN	BN	---	--	--	0
28.56	31.27	2.71	HBS	FG	Fine grained, dark grey and purple to medium grey, well foliated hornfels-biotite schist with minor intervals of up to 10 cm comprising quartzite, which is variably oxidized. Hornfels-biotite schist is locally weak to strongly chlorite altered with biotite going to chlorite.							
						DK	GY	FO	CHL	2I	--	0
						LT	GY					
						DK	PU					
31.27	32.38	1.11	AND	FG	Fine grained, dark green andesite hosting less than 1 mm sized hornblende crystals, some of which are altered to epidote.							
						DK	GN	MA	EPI	1I	--	0
32.38	36.81	4.43	HBS	FG	Well foliated, dark grey to purple to medium grey hornfels-biotite schist with some biotite altering to chlorite and up to 1 x 1 cm. Minor chlorite and pyrite seams pervasively trending perpendicular to bedding and sinuous.							
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
36.81	44.63	7.82	FAP	CG	Fine grained dark grey-green andesite porphyry dyke with phenocrysts of euhedral to subhedral plagioclase and more fine grained euhedral to subhedral hornblende. Hosts trace blebby fine grained pyrite disseminated throughout. Appears that epidote is altering plag? Minor chlorite seams pervasive.							
						DK	GN	PO	EPI	2I	Py	0.01
44.63	48.94	4.31	HBS	FG	Dark grey to dark purple and dark green well foliated hornfels-biotite schist. Trace chlorite with or without pyrite seams pervasive. Epidote alteration is found locally and is occasionally strong and banded.							
						DK	PU					
						DK	GY	FO	CHL	2I	--	0
						DK	GN		EPI	2I		
48.94	49.61	0.67	QTE	FG	Massive white quartzite with trace chlorite seams and globs found perversely (5% or unit).							
						LT	WH					
						LT	GY	MA				
49.61	50.85	1.24	FFP	CG	Light grey felsic feldspar porphyry dyke with euhedral to subhedral phenocrysts up to 1 x 1 cm with trace hornblende phenocrysts up to 1 mm x 1 mm. Chlorite?-pyrite-chalcopyrite seams found a 4 per metre and generally less than 1 mm, except one discontinuous seam up to 1 cm. Non-magnetic.							
						LT	GY	PO	---	--	Cp	0.01
											Py	0.01
50.85	55.70	4.85	HBS	FG	Dominantly fine grained dark grey to purple to green hornfels-biotite schist with intermittent pyroxene-garnet skarn horizons up to 5 cm hosting blebby pyrrhotite and chalcopyrite. Minor interbedded quartzite with coarse grained biotite patches/blebs. Chalcopyrite and pyrrhotite within skarn is disseminated and found as stringers within white quartz seams. Intervals hosts an approximately 20 cm interval of weak to moderately oxidized hornfels-biotite schist.							
						DK	GY	FO	CHL	3I	--	0
						DK	GN		OXI	1I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
55.70	57.57	1.87	SKN	FG	Interbedded medium green mottled pyroxene +/- garnet skarn hosting trace to weak blebby fine grained chalcopyrite and pyrrhotite. Skarn appears to have a weak epidote stain associated with it. Minor discontinuous quartz veins hosting garnet and chalcopyrite found locally within skarn. Remainder of interval is fine grained dark grey-purple-green hornfels-biotite schist with minor calcareous skarn seams within the foliation, which locally hosts trace fin grained chalcopyrite and pyrrhotite (blebby and disseminated) ~ 60% Skarn and 40% Hornfels-biotite schist.							
						DK	PU					
						MD	GN	Mo	EPI	2I	Cp	0.01
						DK	GN					
						DK	GY	FO			Po	0.01
57.57	60.22	2.65	FFP	CG	Light grey felsic feldspar porphyry dyke hosting euhedral to subhedral plagioclase phenocrysts up to 1 x 2 cm and hornblende up to 0.5 x 1 cm. Sporadic and minor pyrrhotite +/- chalcopyrite stringers found locally. Appears to have cut an andesite feldspar porphyry dyke? And partially bleached it and likely exploited same space later on.							
						LT	GY	PO	---	--	--	0
60.22	62.27	2.05	HBS	FG	Weakly foliated, dark grey to purple to green hornfels-biotite schist with trace fine grained pyrrhotite following foliation. Approximately 1-2 cm wide calcite vein hosting disseminated chalcopyrite-pyrite and covelite? (fine grained black) and bleeds into a 10 cm wide selvage of calc-silicate.							
						DK	GN					
						DK	PU					
						DK	GY	FO	CHL	2I	Po	0.01
62.27	63.73	1.46	SKN	FG	Medium green pyroxene-chlorite skarn hosting fine grained blebby and disseminated chalcopyrite-pyrite-magnetite with larger blebs of pyrrhotite. Patchy areas of garnet and garnet bands up to 1 cm (trace). Black "pock" marks are found pervasively throughout interval. Patchy garnet is weakly to moderately epidote altered (patchy as well).							
											Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	EPI	1I	Cp	0.1
											Po	0.2
63.73	65.44	1.71	HBS	FG	Well foliated dark grey-green-purple hornfels-biotite schist with trace skarn patches found locally, some of which host trace fine grained pyrrhotite-chalcopyrite-pyrite disseminated and blebby throughout.							
						MD	GY	FO	CHL	3I	Cp	0.01
						DK	GY				Po	0.1
						DK	PU				Py	0.01
65.44	68.54	3.10	SKN	FG	Pyroxene-garnet skarn (85% pyroxene-15% garnet) mostly mottled with locally weak epidote alteration and chlorite alteration. Pyrrhotite-chalcopyrite-pyrite is found disseminated as blebs pervasively throughout the skarnified interval. Black "pock" marks are also found pervasively. A 10 cm interval of vuggy quartz-carb? Vein is found within the interval.							
						LT	PK				Py	0.1
						MD	GN	MA			Po	0.1
						DK	GN	Mo	---	--	Cp	0.1
68.54	73.61	5.07	HBS	FG	Dark grey to dark purple well foliated hornfels-biotite schist with local intervals hosting disseminated garnets up to 1 x 1 cm. Minor intervals of quartzite found intermittently up to 20 cm wide. Trace fine grained pyrrhotite disseminated along foliation.							
						DK	PU					
						DK	GY	FO	---	0I	Po	0.01
73.61	75.41	1.80	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	--	--	0
75.41	75.95	0.54	HBS	FG	Dark grey to dark purple well foliated hornfels-biotite schist with local intervals hosting disseminated garnets up to 1 x 1 cm. Minor intervals of quartzite found intermittently up to 20 cm wide. Trace fine grained pyrrhotite disseminated along foliation.							
						DK	GY	FO	---	--	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.95	80.01	4.06	MBL	FG	Dominantly well banded marble with light grey to medium grey bands with minor intervals of weak calc-silicate alteration turning marble into a light green. No visible mineralization, however a 10 cm wide interval of pyroxene skarn is found within it.							
						LT	GY	BN	---	0I	--	0
						LT	WH		SIL	2I		
80.01	81.52	1.51	GRD	MG	Medium grained hornblende-biotite granodiorite sill, with patches up to 1 x 1 cm altering to epidote. Appears as subhedral blebs.							
						MD	GY					
						LT	GY	XL	EPI	3I	--	0
81.52	88.09	6.57	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						LT	GY	BN	SIL	2I	--	0
						LT	GN					
88.09	89.33	1.24	SKN	FG	Well banded pyroxene-garnet skarn (weakly skarnified) with intermittent intervals of marble found locally. No visible mineralization.							
						MD	GN	BN	---	0I	--	0
						LT	PK					
89.33	95.26	5.93	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						LT	GY	BN	SIL	2I	--	0
						MD	GY					
						LT	GN					
95.26	95.97	0.71	SKN	FG	Fine grained massive dark green diopside skarn hosting blebby pyrrhotite (2%), magnetite (1%) and trace chalcopyrite and pyrite.							
											Mg	1
											Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	---	0I	Po	2
											Py	0.1
95.97	97.38	1.41	MBL	MG	Light grey to well banded marble with intermittent intervals of more strongly silicified marble (50% unaltered marble and 50% strongly silicified marble). Minor intervals of weak calc-silicate alteration of the marble, but with no visible mineralization and not looking mineralized. Marble is quite "dirty" with dark grey bands within it.							
						LT	GY	BN	SIL	2I	--	0
						MD	GY					
						LT	GN					
97.38	98.05	0.67	SKN	FG	Massive dark green diopside-magnetite-pyrrhotite skarn. Mineralization is blebby and chalcopyrite appears to be more associated with pyrrhotite than magnetite.							
						DK	GN	MA	---	0I	Po	1
											Mg	1
											Cp	0.1
98.05	99.70	1.65	MBL	MG	Well banded light grey to dark grey marble with intermittent intervals of hornfels-biotite schist. Some areas of marble are weakly calc-silicate altered to light green, but not mineralized.							
						LT	GY	BN	---	0I	--	0
						DK	GY					
						LT	GN					
99.70	100.41	0.71	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	0I	--	0
100.41	105.39	4.98	MBL	MG	Well banded light grey to dark grey marble with intermittent intervals of hornfels-biotite schist. Some areas of marble are weakly calc-silicate altered to light green, but not mineralized.							
						LT	GN					
						LT	GY	BN	---	0I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
105.39	111.95	6.56	CSL	MG	Mottled to banded with alternating green and white calc-silicate and marble. Marble has been weakly calc-silicate altered and hosts clots of ankerite up to 1 x 2 cm. Minor bands of HBS found intermittently (2% of interval). Trace pyrite found locally (disseminated). Minor intermittent intervals of quartzite.							
						LT	GN	Mo	---	--	--	0
								BN	ANK	1I		
111.95	112.60	0.65	GRN	FG	Fine grained hornblende-biotite granite sill with trace fine grained disseminated pyrite pervasively throughout. Unit is cut by white quartz veins up to 1 cm bleaching the granite.							
						LT	GY	EQ	---	--	Py	0.01
						LT	PK					
112.60	114.36	1.76	MBL	MG	Well banded, medium grained, light grey marble with minor intermittent bands of light green calc-silicate (~ 60% marble 40% calc-silicate).							
						LT	GN					
						LT	WH					
						LT	GY	BN	---	--	--	0
114.36	117.06	2.70	SKN	FG	Massive medium green pyroxene skarn with trace bands of garnet up to 1 cm and ankerite clots up to 2 cm wide. Trace disseminated blebby chalcopyrite is found locally within ankerite flooded areas.							
						MD	GN	MA	ANK	1I	Cp	0.01
117.06	118.98	1.92	MBL	MG	Well banded light to medium grey marble. Minor intervals of intermittent light green calc-silicate bands within the marble.							
						MD	GY					
						LT	WH					
						LT	GY	BN	---	0I	--	0
118.98	121.21	2.23	CSL	MG	Well banded light green calc-silicate with intermittent intervals of light grey marble and up to 10 cm wide quartzite. No visible mineralization.							
						LT	GN	BN	---	--	--	0
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
121.21	124.80	3.59	SKN	FG	Banded to mottled pyroxene skarn with minor garnet blebs found locally. Intermittent zones of up to 10 cm wide within pyroxene skarn hosting weakly disseminated chalcopyrite and pyrrhotite (1% combined). Minor epidote altered locally. Minor steeply dipping seams off-set milky white quartz veinlets. Clots up to 2 x 5 cm of garnet and marble found locally.							
								Mo			Po	0.01
						MD	GN	BN	EPI	1I	Cp	0.01
124.80	129.09	4.29	MBL	MG	Well banded light to medium grey marble with intermittent bands of calc-silicate up to 10 cm wide found locally. Marble is variably silicified throughout the interval. Minor ankerite clots up to 1 x 1 cm found locally. No visible mineralization.							
						LT	GY	BN	SIL	2I	--	0
						LT	WH					
						LT	GN					
129.09	131.88	2.79	SKN	FG	Well banded to massive pyroxene skarn hosting blebby chalcopyrite, pyrrhotite and pyrite locally. Sections of disseminated chalcopyrite and pyrrhotite found within more massive pyroxene skarn. Minor magnetite found locally as blebs with pyrrhotite and chalcopyrite. Minor stringers of bright green serpentine? Found occasionally. One 20 cm section of semi-massive pyroxene-pyrrhotite +/- magnetite skarn with trace fine grained chalcopyrite. Last 10 cm of interval hosts a mottled garnet-pyroxene skarn altering to chlorite and epidote with 1% disseminated chalcopyrite and chalcopyrite within stringers.							
						MD	GN	BN	CHL	2I	Po	0.1
						LT	GN	MA			Cp	0.01
											Py	0.01
131.88	139.46	7.58	LST	MG	Well banded alternating light grey and medium grey limestone with intermittent seams of dark grey to black magnetite. Minor zones of hornfels-biotite schist found as clots/seams and minor quartzite intervals up to 12 cm. Last 4.44 m of intervals hosts moderate magnetite and serpentine as clots and veins.							
						LT	GY	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						LT	WH					
139.46	141.95	2.49	MBL	MG	Well banded magnetite and marble within zones of strong magnetite flooding, which for irregular bodies up to 2 x 5 cm. Pyrrhotite is found as large patches and blebs and may or may not be associated with magnetite. Serpentine is occasionally associated with magnetite bands. No visible chalcopyrite.							
						LT	GY	BN	---	0I	Mg	10
						DK	BL				Po	5
141.95	142.98	1.03	SKN	FG	Pyroxene to diopside skarn hosting zones of semi-massive magnetite and pyrrhotite. Magnetite and pyrrhotite is found as veins and dendritic bodies pervasively. Top 20 cm hosts light green pyroxene skarn with blebby pyrrhotite (1%). Minor fuchsite found along one fractures separating massive magnetite and massive pyroxene skarn.							
						MD	GN	MA	---	--	Mg	10
						DK	GN				Po	5
142.98	153.75	10.77	HBS	FG	Well foliated dark purple to green to grey hornfels-biotite schist with some well fractured zones with moderate oxide alteration along fractures and seams. A 20 cm interval of semi-massive pyrrhotite and magnetite diopside skarn hosting trace fine grained disseminated chalcopyrite between 144.24 and 144.59 m. Last 1.5 m of interval is strongly fractured and rubbly with moderate to strong oxidation (fault zone?).							
						DK	GY	FO	CHL	2I	--	0
						LT	GY					
						DK	PU		OXI	2I		
153.75	158.67	4.92	SKN	FG	Mottled diopside-magnetite-pyrrhotite-actinolite-tremolite skarn with areas of wavy banding and discontinuous banded (leopard like). Stringers, blebs and clots of pyrrhotite found locally with trace to weak chalcopyrite and pyrite. Magnetite is often associated with pyrrhotite in bands. Moderate epidote alteration is found locally.							
						DK	GN	Mo	---	--	Po	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY				Mg	2
						LT	GN				Cp	0.1
											Py	0.1
158.67	162.18	3.51	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard). Top contact has a 60 cm endoskarn, altering it to light to medium green with fine grained blebby disseminated pyrrhotite +/- chalcopyrite.							
						LT	GY	MA	---	--	Po	0.01
						LT	GN					
162.18	163.75	1.57	SKN	FG	Wavy banded to leopard actinolite-diopside-tremolite skarn with blebby chalcopyrite-pyrite and pyrrhotite found along bands as dissemination. Appears to be some hornfels-biotite schist within this unit between the skarn horizons.							
						LT	GY					
						LT	GN					
						DK	GY	BN	---	0I	--	0
163.75	174.74	10.99	FAP	MG	Dark green fine grained andesite with subhedral feldspar phenocrysts up to 1.5 x 1.5 cm and hornblende crystals up to 0.5 x 0.1 mm. Some of the interval looks like propylitic altered diorite? With moderate epidote alteration.							
						DK	GN	PO	EPI	2I	--	0
						DK	GY					
174.74	176.89	2.15	CSL	FG	Intermittent calc-silicate and hornfels-biotite schist. Well foliated with local weak to moderate epidote alteration found as bands. Minor chalcopyrite and pyrrhotite found as blebs within bands of more calc-silicate altered material. Trace chalcopyrite stringers found locally. Fracture faces often host fine to medium grained blebby pyrite.							
						MD	GN	FO	SIL	2I	Cp	0.01
						LT	GY				Po	0.1
						DK	GY					
176.89	178.95	2.06	FAP	MG	Dark green fine grained andesite with subhedral feldspar phenocrysts up to 1.5 x 1.5 cm and hornblende crystals up to 0.5 x 0.1 mm. Some of the interval looks like propylitic altered diorite? With moderate epidote alteration.							
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						DK	GN	PO	EPI	2I	--	0
178.95	179.68	0.73	CSL	FG	Intermittent calc-silicate and hornfels-biotite schist. Well foliated with local weak to moderate epidote alteration found as bands. No visible mineralization.							
						MD	GN	BN	SIL	2I	--	0
						LT	GY					
						DK	GY					
179.68	184.92	5.24	SKN	FG	Intermittent diopside-actinolite-tremolite skarn and dark grey to purple hornfels-biotite schist. Pervasive calcite stringers found locally over the last half of the interval. Epidote alteration is local and found as bands replacing diopside/pyroxene. Chalcopyrite is found as disseminations along with pyrrhotite and pyrite and as stringers. 50% skarn 50% hornfels-biotite schist.							
						DK	GN	BN	EPI	2I	Po	0.1
						DK	GY	FO			Cp	0.01
						LT	GY					
184.92	187.22	2.30	FAP	MG	Dark green fine grained andesite matrix with anhedral plagioclase phenocrysts up to 1 x 1 cm and hornblende up to 0.5 mm long. One 1 x 1 cm bleb of chalcopyrite and pyrrhotite in the centre of the interval. Sill							
						DK	GN	PO	---	--	--	0
						DK	GY					
187.22	188.96	1.74	HBS	FG	Well foliated, dark grey to purple to green hornfels-biotite schist with intermittent skarn bands up to 2 cm near end of interval. One chlorite-pyrrhotite-chalcopyrite veinlet cuts obliquely to bedding. A 10 cm rhyolite? Dyke cuts this interval steeply and hosts a 2 x 2 cm bleb of chalcopyrite-pyrrhotite and chalcopyrite (mostly chalcopyrite).							
						DK	GN					
						DK	GY					
						DK	PU	FO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
188.96	190.98	2.02	SKN	FG	Mottled light to medium green and light pink pyroxene-garnet skarn hosting blebby to patchy chalcopyrite, pyrrhotite and pyrite disseminated throughout the interval. Trace blebs of magnetite also found associated with chalcopyrite, pyrrhotite and pyrite. Minor chlorite seams hosting pyrrhotite-pyrite-chalcopyrite found locally. Garnet is weakly altered into chlorite locally.							
						LT	GN	Mo	CHL	2I	Cp	0.5
						MD	GN				Py	0.1
						LT	PK				Po	0.5
190.98	204.84	13.86	HBS	FG	Well foliated, dark grey to light grey to dark green to dark purple hornfels-biotite schist with local areas up to 50 cm of strongly siliceous light grey zones. Minor chlorite-pyrite stringers found locally. Minor (~ 0.5 cm) circular dark purple to red garnets found locally within hornfels-biotite schist. Intervals up to 20 cm of calc-silicate to chlorite altered hornfels-biotite schist hosting trace blebby chalcopyrite and pyrrhotite.							
						LT	GY	FO	CHL	2I	--	0
						DK	GY					
						DK	PU					
204.84	214.21	9.37	SKN	FG	Well banded to massive pyroxene skarn with intermittent hornfels-biotite schist making up 20% of interval. Banded skarn host up to 1 cm wide semi-massive pyrrhotite bands locally. Weak to moderate chalcopyrite and pyrrhotite is disseminated and blebby throughout. Trace calcite-pyrrhotite-magnetite-chalcopyrite-pyrite stringers/veinlets found locally. Intermittent zones of silicified skarn - light green, massive pyroxene skarn generally hosts fine grained disseminated chalcopyrite-pyrrhotite +/- magnetite. Fractures occasionally host fine to medium grained blebs of pyrite. Chlorite rich schist and calc-silicates host pyrite along fractures and trace blebby chalcopyrite-pyrite-pyrrhotite.							
						DK	GN	MA	CHL	2I	Cp	0.1
						MD	GN				Po	0.5
						MD	GY				Mg	0.1
											Py	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
214.21	215.65	1.44	MBL	MG	Light grey to white medium grained marble with minor green (chl?) seams found locally. Minor blebby pyrrhotite and pyrite found disseminated.							
						--	--	BN	---	--	--	0
215.65	217.58	1.93	HBS	FG	Well foliated, dark grey to purple hornfels-biotite schist with trace up to 0.5 cm garnet crystals disseminated along foliation. Minor calcite seams found throughout. Minor medium grained pyrite along fracture planes.							
						DK	GY	FO	---	--	--	0
						DK	PU					
217.58	221.01	3.43	AND	FG	Dark green, fine grained andesite with up to 1 mm hornblende crystals. Pervasive calcite seams found at about 5 per metre. Selvages within the andesite become bleached to a light grey colour over 30 cm on either side of the contact.							
						DK	GN	MA	---	0I	--	0
						DK	GY		---	0I		
221.01	226.58	5.57	HBS	FG	Fine grained, well foliated dark grey to green hornfels-biotite schist with minor intermittent skarn horizons comprising banded pyroxene skarn hosting blebby pyrrhotite +/-chalcopyrite. One 20 cm interval of massive crackle brecciated pyroxene skarn hosting chlorite-pyrrhotite-chalcopyrite veinlets and blebby chalcopyrite-pyrrhotite (0.1% cp and 0.5% po). Minor quartzite intervals found locally.							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
						DK	GN					
226.58	227.54	0.96	SKN	FG	Dark green medium grained massive pyroxene-chlorite skarn hosting weak blebby to disseminated pyrrhotite-pyrite+/-chalcopyrite. Minor black "pock" marks. An ~ 30 cm interval of dark grey-purple hornfels-biotite schist with minor purple garnet clasts up to 0.5 cm disseminated along foliation.							
						MD	GN	MA	---	--	Po	0.5
											Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
227.54	233.01	5.47	HBS	FG	Dark grey to purple well foliated hornfels-biotite schist with moderate purple garnet clasts up tot 0.5 cm found pervasively along foliation. Occasional fractures host fine to medium grained blebby pyrite. A 15 cm interval of white to light grey quartzite lies in centre of interval. Minor skarn up to 5 cm found locally and intermittently as bands (unmineralized).							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
						DK	GN					
233.01	266.70	33.69	GRD	MG	Medium grey hornblende-biotite granodiorite. Weakly propylitic altered with biotite and Phlogopite? Hornblende is altering into chlorite. Fractures occasionally host fine grained to medium grained pyrite +/- chalcopyrite. Minor quartz veins up to 1 cm hosting discontinuous blebby chalcopyrite (up to 1 x 0.5 cm) within centre of vein with trace blebby pyrite. At the top contact with hornfels-biotite schist see patches of chalcopyrite up to 1 x 2 cm with lesser blebby pyrite (3:1 ratio of cp to py)within the schist. Granodiorite has feldspar phenocrysts up to 0.5 x 0.5 cm, but mostly equigranular. Trace chlorite-pyrite seams found locally. Near the bottom of the interval, calcite seams increase to 4 per metre.							
						MD	GY	EQ	PRO	3I	--	0

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.58	38	0.00	0	0R	4H	2W	
1.52	4.57	3.05	2.84	93	0.42	14	2R	4H	2W	
4.57	7.62	3.05	2.83	93	0.36	12	2R	4H	1W	
7.62	10.67	3.05	3.05	100	1.75	57	2R	4H	1W	
10.67	13.72	3.05	3.05	100	1.80	59	2R	4H	1W	
13.72	16.76	3.04	3.03	100	2.29	75	4R	4H	1W	
16.76	19.81	3.05	3.01	99	2.53	83	4R	3H	1W	
19.81	22.86	3.05	3	98	2.59	85	4R	3H	1W	
22.86	25.91	3.05	3.05	100	2.99	98	4R	4H	1W	
25.91	28.96	3.05	3.05	100	2.69	88	2R	5H	1W	
28.96	32.00	3.04	3.01	99	2.02	66	2R	4H	1W	
32.00	35.05	3.05	2.96	97	2.09	69	2R	5H	1W	
35.05	38.10	3.05	3.05	100	3.05	100	1R	4H	1W	
38.10	41.15	3.05	3	98	2.85	93	0R	5H	1W	
41.15	44.20	3.05	3.05	100	2.90	95	1R	5H	1W	
44.20	47.24	3.04	2.99	98	2.57	85	1R	5H	1W	
47.24	50.29	3.05	3.05	100	2.92	96	1R	5H	1W	
50.29	53.34	3.05	3.01	99	2.48	81	1R	5H	1W	
53.34	56.39	3.05	3.05	100	2.70	89	3R	5H	1W	
56.39	59.44	3.05	3.05	100	2.72	89	3R	5H	1W	
59.44	62.48	3.04	3.01	99	2.88	95	1R	5H	1W	
62.48	65.53	3.05	3.01	99	3.01	99	3R	5H	1W	
65.53	68.58	3.05	3.02	99	2.86	94	2R	5H	1W	
68.58	71.63	3.05	3.05	100	2.81	92	2R	5H	1W	
71.63	74.68	3.05	3.05	100	2.55	84	1R	4H	1W	
74.68	77.72	3.04	3.04	100	2.52	83	4R	4H	1W	
77.72	80.77	3.05	3.02	99	2.97	97	3R	5H	1W	
80.77	83.82	3.05	3.05	100	2.72	89	4R	5H	1W	
83.82	86.87	3.05	3.01	99	2.94	96	4R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	3.05	100	3.00	98	4R	5H	1W	
89.92	92.96	3.04	3	99	2.84	93	4R	4H	1W	
92.96	96.01	3.05	2.95	97	2.58	85	3R	5H	1W	
96.01	99.06	3.05	2.98	98	2.67	88	4R	5H	1W	
99.06	102.11	3.05	2.99	98	2.17	71	4R	4H	1W	
102.11	105.16	3.05	3.05	100	2.67	88	4R	4H	1W	
105.16	108.20	3.04	3.04	100	2.80	92	1R	4H	1W	
108.20	111.25	3.05	3.05	100	2.72	89	2R	4H	1W	
111.25	114.30	3.05	3.05	100	3.05	100	0R	5H	1W	
114.30	117.35	3.05	3.05	100	2.90	95	1R	4H	1W	
117.35	120.40	3.05	3.05	100	2.99	98	1R	4H	1W	
120.40	123.44	3.04	3.04	100	3.04	100	0R	4H	1W	
123.44	126.49	3.05	3.05	100	2.97	97	0R	4H	1W	
126.49	129.54	3.05	3.05	100	3.02	99	0R	4H	1W	
129.54	132.59	3.05	3.01	99	2.73	90	4R	4H	1W	
132.59	135.64	3.05	3.05	100	2.70	89	3R	4H	1W	
135.64	138.68	3.04	3.04	100	2.78	91	3R	5H	1W	
138.68	141.73	3.05	3.05	100	3.02	99	3R	4H	1W	
141.73	144.78	3.05	3.05	100	2.56	84	4R	4H	1W	
144.78	147.83	3.05	3	98	2.10	69	2R	4H	1W	
147.83	150.88	3.05	2.97	97	1.33	44	2R	4H	1W	
150.88	153.92	3.04	2.94	97	0.46	15	0R	4H	1W	
153.92	156.97	3.05	2.88	94	2.29	75	1R	4H	1W	
156.97	160.02	3.05	3.05	100	2.75	90	1R	4H	1W	
160.02	163.07	3.05	3.05	100	2.38	78	0R	5H	1W	
163.07	166.12	3.05	3.05	100	2.05	67	1R	4H	1W	
166.12	169.16	3.04	3.04	100	3.04	100	0R	5H	1W	
169.16	172.21	3.05	3.05	100	2.69	88	1R	5H	1W	
172.21	175.26	3.05	3.05	100	2.53	83	1R	4H	1W	
175.26	178.31	3.05	2.98	98	2.49	82	2R	4H	1W	
178.31	181.36	3.05	2.89	95	1.76	58	2R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	3.04	100	2.27	75	3R	5H	1W	
184.40	187.45	3.05	3.02	99	2.24	73	1R	5H	1W	
187.45	190.50	3.05	3.05	100	2.76	90	1R	5H	1W	
190.50	193.55	3.05	3.05	100	2.76	90	1R	5H	1W	
193.55	196.60	3.05	3.05	100	2.69	88	1R	5H	1W	
196.60	199.64	3.04	3.04	100	1.98	65	0R	5H	1W	
199.64	202.69	3.05	3.05	100	2.75	90	0R	4H	1W	
202.69	205.74	3.05	3.05	100	2.58	85	1R	5H	1W	
205.74	208.79	3.05	3.05	100	2.43	80	1R	5H	1W	
208.79	211.84	3.05	3.05	100	2.12	70	0R	5H	1W	
211.84	214.88	3.04	3.04	100	2.18	72	1R	5H	1W	
214.88	217.93	3.05	3.05	100	2.25	74	2R	4H	1W	
217.93	220.98	3.05	3.05	100	1.81	59	2R	4H	1W	
220.98	224.03	3.05	2.59	85	0.93	30	1R	4H	1W	
224.03	227.08	3.05	3.05	100	3.00	98	2R	5H	1W	
227.08	230.12	3.04	3.04	100	2.77	91	1R	5H	1W	
230.12	233.17	3.05	3.05	100	1.97	65	0R	5H	1W	
233.17	236.22	3.05	3	98	1.14	37	0R	5H	1W	
236.22	239.27	3.05	3.05	100	2.96	97	0R	5H	1W	
239.27	242.32	3.05	3.05	100	2.65	87	0R	5H	1W	
242.32	245.36	3.04	3.04	100	2.91	96	0R	5H	1W	
245.36	248.41	3.05	3.05	100	2.38	78	0R	5H	1W	
248.41	251.46	3.05	3.05	100	2.42	79	0R	5H	1W	
251.46	254.51	3.05	3.05	100	2.94	96	0R	5H	1W	
254.51	257.56	3.05	3.05	100	2.25	74	0R	5H	1W	
257.56	260.60	3.04	3.04	100	2.09	69	0R	5H	1W	
260.60	263.65	3.05	3.05	100	2.86	94	0R	5H	1W	
263.65	266.70	3.05	2.99	98	2.88	94	0R	5H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.24	OVB	
2	1.04	HBS	
3	0.1	HBS	
4	0.43	HBS	
5	0.36	HBS	
6	0.59	HBS	
7	0.53	HBS	
8	0.08	MBL	
9	0.12	MBL	
10	0.22	MBL	
11	0.36	MBL	
12	0.1	MBL	
13	0.1	MBL	
14	0.06	MBL	
15	0.04	MBL	
16	0.34	MBL	
17	0.12	MBL	
18	0.26	MBL	
19	0.69	AND	
20	0.38	MBL	
21	0.63	AND	
22	0.24	MBL	
23	0.38	MBL	
24	0.3	MBL	
25	0.26	MBL	
26	0.65	CSL	
27	0.75	CSL	
28	0.61	CSL	
29	0.65	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	1.02	HBS	
31	0.96	HBS	
32	0.32	AND	
33	0.32	HBS	
34	0.16	HBS	
35	0.08	HBS	
36	0.92	HBS	
37	3.42	FAP	
38	15.1	FAP	
39	13.3	FAP	
40	20.9	FAP	
41	10.7	FAP	
42	23.9	FAP	
43	0.94	FAP	
44	18.4	FAP	
45	0.1	HBS	
46	1.37	HBS	
47	5.86	HBS	
48	14.3	HBS	
49	0.1	QTE	
50	0.45	FFP	
51	0.45	HBS	
52	0.49	HBS	
53	1.7	HBS	
54	1.23	HBS	
55	2.19	HBS	
56	3.81	SKN	
57	5.39	SKN	
58	0.14	FFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.12	FFP	
60	3.66	FFP	
61	1.33	HBS	
62	0.98	HBS	
63	2.31	SKN	
64	3.15	HBS	
65	1.61	HBS	
66	2.11	SKN	
67	0.96	SKN	
68	0.96	SKN	
69	1.1	HBS	
70	1.1	HBS	
71	0.92	HBS	
72	0.41	HBS	
73	0.12	HBS	
74	0.14	RHY	
75	0.14	RHY	
76	0.57	MBL	
77	0.1	MBL	
78	0.34	MBL	
79	0.14	MBL	
80	1.08	MBL	
81	3.48	GRD	
82	0.34	MBL	
83	0.08	MBL	
84	0.06	MBL	
85	0.16	MBL	
86	0.06	MBL	
87	0.2	MBL	
88	0.04	MBL	
89	0.18	SKN	
90	0.04	MBL	
91	0.04	MBL	
92	0.36	MBL	
93	0.14	MBL	
94	0.98	MBL	
95	0.08	MBL	
96	1.04	MBL	
97	0.06	MBL	
98	0.22	SKN	
99	0.36	MBL	
100	0.14	RHY	
101	0.08	MBL	
102	0.08	MBL	
103	0.82	MBL	
104	0.16	MBL	
105	0.79	MBL	
106	0.61	CSL	
107	0.04	CSL	
108	0.47	CSL	
109	0.49	CSL	
110	0.38	CSL	
111	0.49	CSL	
112	2	GRN	
113	0.41	MBL	
114	0.65	MBL	
115	12	SKN	
116	0.24	SKN	
117	0.24	SKN	
118	0.22	MBL	
119	0.82	CSL	
120	0.45	CSL	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.73	CSL	
122	1.55	SKN	
123	0.86	SKN	
124	0.79	SKN	
125	0.51	MBL	
126	7.64	MBL	
127	0.16	MBL	
128	0.18	MBL	
129	0.36	MBL	
130	0.71	SKN	
131	0.22	SKN	
132	0.14	LST	
133	0.14	LST	
134	0.04	LST	
135	0.14	LST	
136	0.04	LST	
137	0.98	LST	
138	4.51	LST	
139	0.12	LST	
140	41.6	MBL	
141	491	MBL	
142	13.7	SKN	
143	4.32	HBS	
144	1.84	HBS	
145	2.05	HBS	
146	0.47	HBS	
147	1.08	HBS	
148	1.31	HBS	
149	0.28	HBS	
150	0.24	HBS	
151	0.12	HBS	
152	0.14	HBS	
153	0.12	HBS	
154	19.9	SKN	
155	3.36	SKN	
156	4.05	SKN	
157	8.05	SKN	
158	4.24	SKN	
159	5.69	RHY	
160	0.92	RHY	
161	0.71	RHY	
162	0.32	RHY	
163	3.93	SKN	
164	0.47	FAP	
165	0.59	FAP	
166	0.67	FAP	
167	0.65	FAP	
168	0.49	FAP	
169	0.47	FAP	
170	0.51	FAP	
171	0.53	FAP	
172	0.57	FAP	
173	0.57	FAP	
174	0.55	FAP	
175	0.14	CSL	
176	102	CSL	
177	26.8	FAP	
178	24.3	FAP	
179	0.14	CSL	
180	0.24	SKN	
181	3.91	SKN	
182	1.78	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	0.73	SKN	
184	2.05	SKN	
185	0.69	FAP	
186	0.73	FAP	
187	0.57	FAP	
188	0.24	HBS	
189	2.35	SKN	
190	4.46	SKN	
191	2.99	HBS	
192	1.76	HBS	
193	0.67	HBS	
194	0.32	HBS	
195	2	HBS	
196	0.79	HBS	
197	2.17	HBS	
198	1.98	HBS	
199	0.94	HBS	
200	1.37	HBS	
201	0.36	HBS	
202	0.45	HBS	
203	1.16	HBS	
204	0.88	HBS	
205	0.71	SKN	
206	1.16	SKN	
207	0.61	SKN	
208	0.88	SKN	
209	3.91	SKN	
210	2.19	SKN	
211	0.12	SKN	
212	0.73	SKN	
213	3.3	SKN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
214	3.54	SKN	
215	0.08	MBL	
216	0.43	HBS	
217	1.06	HBS	
218	0.61	AND	
219	4.69	AND	
220	0.63	AND	
221	0.245	AND	
222	1.25	HBS	
223	0.14	HBS	
224	0.73	HBS	
225	0.06	HBS	
226	0.9	HBS	
227	1.18	SKN	
228	0.22	HBS	
229	0.59	HBS	
230	0.24	HBS	
231	1.08	HBS	
232	0.57	HBS	
233	2.11	HBS	
234	1.51	GRD	
235	1.16	GRD	
236	1.06	GRD	
237	159	GRD	
238	1.29	GRD	
239	1.06	GRD	
240	1.8	GRD	
241	116	GRD	
242	1.86	GRD	
243	127	GRD	
244	1	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
245	114	GRD	
246	1.2	GRD	
247	1.1	GRD	
248	0.55	GRD	
249	1.8	GRD	
250	4.75	GRD	
251	205	GRD	
252	0.73	GRD	
253	3.97	GRD	
254	1.12	GRD	
255	1.35	GRD	
256	0.53	GRD	
257	1.23	GRD	
258	1.61	GRD	
259	1.78	GRD	
260	1.94	GRD	
261	1.88	GRD	
262	2.09	GRD	
263	1.51	GRD	
264	2.62	GRD	
265	2	GRD	
266	1.29	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments

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	S052815	☐	B00-002	Batch 2		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052761	☐	B00-001	Batch 1		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052772	☐	B00-001	Batch 1		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052775	☐	B00-001	Batch 1	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052794	☐	B00-002	Batch 2		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052805	☐	B00-002	Batch 2	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052811	☐	B00-002	Batch 2	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052758	☐	B00-001	Batch 1	ME-16	☐	☐	☐
14.88	16.26	1.38	MBL	1.38	100	S052751	☐	B00-001	Batch 1		☐	☐	☐
16.26	17.26	1.00	MBL	1.00	100	S052752	☐	B00-001	Batch 1		☐	☐	☐
17.26	18.64	1.38	MBL	1.38	100	S052753	☐	B00-001	Batch 1		☐	☐	☐
17.26	18.64	1.38	MBL	1.38	100	S052754	☐	B00-001	Batch 1		☐	☑	☐
24.10	25.83	1.73	MBL	1.73	100	S052755	☐	B00-001	Batch 1		☐	☐	☐
25.83	26.83	1.00	CSL, MBL	1.00	100	S052756	☐	B00-001	Batch 1		☐	☐	☐
26.83	28.56	1.73	CSL	1.73	100	S052757	☐	B00-001	Batch 1		☐	☐	☐
48.37	49.61	1.24	HBS	1.24	100	S052759	☐	B00-001	Batch 1		☐	☐	☐
49.61	50.85	1.24	FFP, QTE	1.24	100	S052760	☐	B00-001	Batch 1		☐	☐	☐
50.85	52.09	1.24	FFP, HBS	1.24	100	S052762	☐	B00-001	Batch 1		☐	☐	☐
52.09	53.56	1.47	HBS	1.47	100	S052763	☐	B00-001	Batch 1		☐	☐	☐
53.56	55.70	2.14	HBS	2.14	100	S052764	☐	B00-001	Batch 1		☐	☐	☐
55.70	57.57	1.87	HBS, SKN	1.87	100	S052765	☐	B00-001	Batch 1		☐	☐	☐
57.57	60.22	2.65	FFP, SKN	2.65	100	S052766	☐	B00-001	Batch 1		☐	☐	☐
60.22	62.37	2.15	HBS, FFP	2.15	100	S052767	☐	B00-001	Batch 1		☐	☐	☐
62.37	63.73	1.36	SKN	1.36	100	S052768	☐	B00-001	Batch 1		☐	☐	☐

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
63.73	65.44	1.71	HBS, SKN	1.71	100	S052769	☐	B00-001	Batch 1		☐	☐	☐
65.44	66.85	1.41	SKN, HBS	1.41	100	S052770	☐	B00-001	Batch 1		☐	☐	☐
66.85	68.54	1.69	SKN	1.69	100	S052771	☐	B00-001	Batch 1		☐	☐	☐
68.54	69.85	1.31	SKN, HBS	1.31	100	S052773	☐	B00-001	Batch 1		☐	☐	☐
95.26	97.38	2.12	MBL, SKN	2.12	100	S052774	☐	B00-001	Batch 1		☐	☐	☐
97.38	98.38	1.00	SKN, MBL	1.00	100	S052776	☐	B00-001	Batch 1		☐	☐	☐
98.38	100.50	2.12	MBL	2.12	100	S052777	☐	B00-001	Batch 1		☐	☐	☐
112.60	114.36	1.76	GRN, MBL	1.76	100	S052778	☐	B00-001	Batch 1		☐	☐	☐
112.60	114.36	1.76	GRN, MBL	1.76	100	S052779	☐	B00-001	Batch 1		☐	☐	☑
114.36	116.05	1.69	MBL, SKN	1.69	100	S052780	☐	B00-001	Batch 1		☐	☐	☐
116.05	118.98	2.93	SKN	2.93	100	S052781	☐	B00-001	Batch 1		☐	☐	☐
118.98	121.21	2.23	MBL, CSL	2.23	100	S052782	☐	B00-001	Batch 1		☐	☐	☐
121.21	123.00	1.79	SKN, CSL	1.79	100	S052783	☐	B00-001	Batch 1		☐	☐	☐
123.00	124.80	1.80	SKN	1.80	100	S052784	☐	B00-001	Batch 1		☐	☐	☐
124.80	127.00	2.20	SKN, MBL	2.20	100	S052785	☐	B00-001	Batch 1		☐	☐	☐
127.00	129.09	2.09	MBL	2.09	100	S052786	☐	B00-001	Batch 1		☐	☐	☐
129.09	131.88	2.79	MBL, SKN	2.79	100	S052787	☐	B00-002	Batch 2		☐	☐	☐
131.88	134.00	2.12	SKN, LST	2.12	100	S052788	☐	B00-002	Batch 2		☐	☐	☐
134.00	137.00	3.00	LST	3.00	100	S052789	☐	B00-002	Batch 2		☐	☐	☐
134.00	137.00	3.00	LST	3.00	100	S052790	☐	B00-002	Batch 2		☐	☐	☑
137.00	139.46	2.46	LST	2.46	100	S052791	☐	B00-002	Batch 2		☐	☐	☐

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
139.46	141.95	2.49	LST, MBL	2.49	100	S052792	☐	B00-002	Batch 2		☐	☐	☐
141.95	142.98	1.03	MBL, SKN	1.03	100	S052793	☐	B00-002	Batch 2		☐	☐	☐
142.98	144.65	1.67	HBS, SKN	1.67	100	S052795	☐	B00-002	Batch 2		☐	☐	☐
153.73	156.75	3.02	HBS	2.68	89	S052796	☐	B00-002	Batch 2		☐	☐	☐
156.75	158.67	1.92	SKN	1.92	100	S052797	☐	B00-002	Batch 2		☐	☐	☐
162.18	163.75	1.57	RHY, SKN	1.57	100	S052798	☐	B00-002	Batch 2		☐	☐	☐
162.18	163.75	1.57	RHY, SKN	1.57	100	S052799	☐	B00-002	Batch 2		☐	☑	☐
174.74	176.89	2.15	CSL, FAP	1.99	93	S052800	☐	B00-002	Batch 2		☐	☐	☐
180.52	182.95	2.43	SKN	2.16	89	S052801	☐	B00-002	Batch 2		☐	☐	☐
182.95	184.92	1.97	SKN	1.97	100	S052802	☐	B00-002	Batch 2		☐	☐	☐
187.22	188.96	1.74	FAP, HBS	1.74	100	S052803	☐	B00-002	Batch 2		☐	☐	☐
188.96	190.98	2.02	HBS, SKN	2.02	100	S052804	☐	B00-002	Batch 2		☐	☐	☐
204.84	207.84	3.00	HBS, SKN	3.00	100	S052806	☐	B00-002	Batch 2		☐	☐	☐
207.84	210.85	3.01	SKN	3.01	100	S052807	☐	B00-002	Batch 2		☐	☐	☐
210.85	212.85	2.00	SKN	2.00	100	S052808	☐	B00-002	Batch 2		☐	☐	☐
212.85	214.21	1.36	SKN	1.36	100	S052809	☐	B00-002	Batch 2		☐	☐	☐
221.01	222.82	1.81	HBS, AND	1.62	90	S052810	☐	B00-002	Batch 2		☐	☐	☐
226.58	228.58	2.00	HBS, SKN	2.00	100	S052812	☐	B00-002	Batch 2		☐	☐	☐
232.01	233.01	1.00	HBS	1.00	100	S052813	☐	B00-002	Batch 2		☐	☐	☐
241.00	242.00	1.00	GRD	1.00	100	S052814	☐	B00-002	Batch 2		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	14.88						☐	☐	☐	☐	
B00-001	S052758	0.00	0.00	1.20	134		31	2.3	☐	☐	☐	☑ ME-16	
B00-001	S052761	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-001	S052772	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-001	S052775	0.00	0.00	1.41	536		69	2.0	☐	☐	☐	☑ ME-15	
B00-002	S052794	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-002	S052805	0.00	0.00	1.60	127		31	2.5	☐	☐	☐	☑ ME-16	
B00-002	S052811	0.00	0.00	1.48	547		69	2.1	☐	☐	☐	☑ ME-15	
B00-002	S052815	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-001	S052751	14.88	16.26	0.02	4		0	0.1	☐	☐	☐	☐	
B00-001	S052752	16.26	17.26	0.01	3		1	0.0	☐	☐	☐	☐	
B00-001	S052753	17.26	18.64	0.08	4		2	0.1	☐	☐	☐	☐	
B00-001	S052754	17.26	18.64	0.08	3		2	0.1	☑	☐	☐	☐	
		18.64	24.10						☐	☐	☐	☐	
B00-001	S052755	24.10	25.83	0.02	2		0	0.1	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-001	S052756	25.83	26.83	0.19	3		1	0.3	☐	☐	☐	☐	
B00-001	S052757	26.83	28.56	0.45	3		0	0.3	☐	☐	☐	☐	
		28.56	48.37						☐	☐	☐	☐	
B00-001	S052759	48.37	49.61	0.00	1		0	0.4	☐	☐	☐	☐	
B00-001	S052760	49.61	50.85	0.07	1		0	0.7	☐	☐	☐	☐	
B00-001	S052762	50.85	52.09	0.01	1		0	0.5	☐	☐	☐	☐	
B00-001	S052763	52.09	53.56	0.01	3		0	0.2	☐	☐	☐	☐	
B00-001	S052764	53.56	55.70	0.00	2		0	0.5	☐	☐	☐	☐	
B00-001	S052765	55.70	57.57	0.18	2		1	0.3	☐	☐	☐	☐	
B00-001	S052766	57.57	60.22	0.09	2		0	0.9	☐	☐	☐	☐	
B00-001	S052767	60.22	62.37	0.01	3		1	0.2	☐	☐	☐	☐	
B00-001	S052768	62.37	63.73	0.02	3		2	0.2	☐	☐	☐	☐	
B00-001	S052769	63.73	65.44	0.00	2		1	0.4	☐	☐	☐	☐	
B00-001	S052770	65.44	66.85	0.02	5		1	0.1	☐	☐	☐	☐	
B00-001	S052771	66.85	68.54	0.03	38		2	0.2	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-001	S052773	68.54	69.85	0.00	1		1	0.3	☐	☐	☐	☐	
		69.85	95.26						☐	☐	☐	☐	
B00-001	S052774	95.26	97.38	0.00	4		0	0.3	☐	☐	☐	☐	
B00-001	S052776	97.38	98.38	0.01	2		0	0.3	☐	☐	☐	☐	
B00-001	S052777	98.38	100.50	0.01	3		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-001	S052778	112.60	114.36	0.01	15		0	0.1	☐	☐	☐	☐	
B00-001	S052779	112.60	114.36	0.01	14		0	0.1	☐	☑	☐	☐	
B00-001	S052780	114.36	116.05	0.04	3		1	0.1	☐	☐	☐	☐	
B00-001	S052781	116.05	118.98	0.02	66		1	0.1	☐	☐	☐	☐	
B00-001	S052782	118.98	121.21	0.12	3		0	0.1	☐	☐	☐	☐	
B00-001	S052783	121.21	123.00	0.70	2		1	0.1	☐	☐	☐	☐	
B00-001	S052784	123.00	124.80	1.02	10		1	0.1	☐	☐	☐	☐	
B00-001	S052785	124.80	127.00	0.06	72		0	0.2	☐	☐	☐	☐	
B00-001	S052786	127.00	129.09	0.03	18		0	0.3	☐	☐	☐	☐	
B00-002	S052787	129.09	131.88	0.14	5		0	0.2	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-002	S052788	131.88	134.00	0.01	0		0	0.1	☐	☐	☐	☐	
B00-002	S052789	134.00	137.00	0.01	2		0	0.2	☐	☐	☐	☐	
B00-002	S052790	134.00	137.00	0.01	1		0	0.2	☐	☑	☐	☐	
B00-002	S052791	137.00	139.46	0.01	2		0	0.2	☐	☐	☐	☐	
B00-002	S052792	139.46	141.95	0.00	5		0	0.2	☐	☐	☐	☐	
B00-002	S052793	141.95	142.98	0.02	2		1	0.3	☐	☐	☐	☐	
B00-002	S052795	142.98	144.65	0.01	8		0	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052796	153.73	156.75	0.00	1		0	0.6	☐	☐	☐	☐	
B00-002	S052797	156.75	158.67	0.00	1		0	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052798	162.18	163.75	0.00	2		1	0.9	☐	☐	☐	☐	
B00-002	S052799	162.18	163.75	0.00	2		0	0.9	☑	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052800	174.74	176.89	0.02	7		0	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052801	180.52	182.95	0.12	3		0	0.7	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-002	S052802	182.95	184.92	0.15	4		1	0.7	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052803	187.22	188.96	0.03	2		0	0.6	☐	☐	☐	☐	
B00-002	S052804	188.96	190.98	0.16	1		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052806	204.84	207.84	0.05	1		0	0.4	☐	☐	☐	☐	
B00-002	S052807	207.84	210.85	0.14	1		0	0.4	☐	☐	☐	☐	
B00-002	S052808	210.85	212.85	0.06	10		1	0.5	☐	☐	☐	☐	
B00-002	S052809	212.85	214.21	0.11	2		0	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052810	221.01	222.82	0.01	4		1	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052812	226.58	228.58	0.01	2		0	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052813	232.01	233.01	0.02	2		0	0.7	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-002	S052814	241.00	242.00	0.01	2		0	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
34.20	34.25	VT	37	10	-	1	Quartz veinlet within hornfels-biotite schist			
								--	0	---
37.00	37.10	VN	37	10	-	1	2 cm wide chlorite-pyrrhotite vein with chlorite-sericite occasionally			
								Po	5	BL
49.80	50.40	VT	37	25	-	4	Mostly veinlets of fine grained pyrite-chalcopyrite veinlets with one discontinuous vein (2 cm wide) with fine grained blebby pyrite, chalcopyrite and pyrrhotite.			
								Cp	1	BL
								Po	2	BL
53.30	53.31	VT	37	80	-	1	Strongly oxidized section of core with oxidized stringers of oxidized material over a 10 cm area.			
								--	0	---
57.57	60.15	VT	37	5	-	3	seam of pyrrhotite-chalcopyrite with black fine grained sulphides.			
								Cp	0.01	BL
								Po	5	BL
57.70	57.71	VT	37	20	-	1	Strongly oxidized veinlet.			
								--	0	---
61.60	61.62	VN	37	30	-	1	Quartz vein hosting blebby chalcopyrite, pyrite and pyrrhotite with black non-magnetic mineral (chalcocite?).			
								Po	1	BL
								Cp	2	BL
								Py	1	BL
81.05	81.05	VT	37	55	-	1	Chlorite seam with trace pyrrhotite.			
								Po	0.1	BL
102.80	102.85	bn		75	-	1	Banding within marble			
134.15	134.17	FR	5	80	-	1	2 cm wide clay seam of light green calc-silicate.			
								--	0	---
137.02	137.04	VN	37	70	-	1	1 cm wide serpentine - magnetite vein			
								--	0	---
142.35	142.45	bn		70	-	1	magnetite-pyrrhotite band			
								--	0	---

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
148.90	149.00	FR	5	10	-	1	oxidized fracture within HBS			
								--	0	---
152.05	153.50	FT	42	-	-	1	strongly oxidized fault zone - broken and strongly fractured.			
								--	0	---
157.20	157.25	VT	37	30	-	1	Pyrrhotite stringer			
								--	0	---
163.30	163.31	VT	37	25	-	1	Chlorite-pyrrhotite-epidote veinlet			
								--	0	---
170.30	171.50	VT	37	20	-	7	Calcite seams			
								--	0	---
175.50	175.51	VT	37	25	-	1	Chlorite seam			
								--	0	---
183.05	183.06	VT	37	10	-	1	Calcite veinlet with chlorite selvages.			
								--	0	---
187.50	187.60	DY	37	40	-	1	Light grey rhyolite dyke with irregular 1 x 2 cm cp-po-py clot in centre.			
								Cp	2	BL
								Po	1	BL
								Py	1	BL
206.60	206.62	VN	37	20	-	6	po-py-mt-cp and calcite vein 2 cm wide			
								Cp	1	BL
								Py	2	BL
								Po	5	BL
								Mg	5	BL
209.20	209.22	FR	5	40	-	1	Mine to medium grained pyrite and chalcopyrite on fractures.			
								Cp	1	BL
								Py	5	BL
213.20	213.21	VT	37	15	-	1	Calcite veinlet cutting skarn with pyrrhotite and chalcopyrite within skarn, but not vein			
								--	0	---
221.10	221.30	VN	37	25	-	2	Two calcite veins up to 1 cm with chlorite selvages.			
								--	0	---
227.40	227.45	FR	5	15	-	1	Fracture hosting blebby pyrite and trace chalcopyrite within skarn.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	5	BL
								Cp	1	BL
236.50	237.50	FR	5	65	-	4	Fracture within granodiorite hosting moderate fine to medium grained blebby pyrite.			
								Py	5	BL
245.70	245.90	VN	37	10	-	1	Quartz vein hosting blebby chalcopyrite and pyrite (3:1) with discontinuous blebs in centre of vein. No alteration selvages.			
								Cp	5	BL
								Py	1.6	BL
246.00	248.00	VT	37	55	-	4	Calcite veinlets pervasive.			
								--	0	---

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397039	6794599	1120	291.08

ZONE: Hopper

SECTION:

HOLE: HOP-16-011

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 06 - Sep 09, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
7.62	263.6	-69.9	Reflex
291.08	284.1	-64	Reflex

TARGET: Hopper South Zone Au skarn horizon

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.95	0.95	OVB
0.95	6.88	5.93	MBL
6.88	8.58	1.7	SKN
8.58	9.1	0.52	MBL
9.1	12.52	3.42	SKN
12.52	13.38	0.86	HBS
13.38	20.55	7.17	SKN
20.55	24.65	4.1	HBS
24.65	26.29	1.64	QTE
26.29	36.57	10.28	HBS
36.57	37.21	0.64	SKN
37.21	38.51	1.3	HBS
38.51	38.74	0.23	SKN
38.74	41.04	2.3	HBS
41.04	43.84	2.8	SKN
43.84	45.37	1.53	HBS

SAMPLES	
Numbers:	S052816 to S052864
Total:	49
Batch:	002, 003, 004
Certificates:	WH16151563, WH16153140, WH16156862

COMMENTS
zap

45.37	45.7	0.33	GRD
45.7	48.13	2.43	HBS
48.13	54.27	6.14	SKN
54.27	56.24	1.97	HBS
56.24	59.6	3.36	FFP
59.6	59.89	0.29	SKN
59.89	60.96	1.07	FFP
60.96	77.09	16.13	SKN
77.09	79.77	2.68	RHY
79.77	82.21	2.44	LST
82.21	83.53	1.32	SKN
83.53	84.8	1.27	HBS
84.8	85.43	0.63	CSL
85.43	93.38	7.95	GRD
93.38	97.24	3.86	SKN
97.24	98.91	1.67	AND
98.91	100.55	1.64	RHY
100.55	115.37	14.82	FAP
115.37	117.12	1.75	SKN
117.12	119.95	2.83	MBL
119.95	125.18	5.23	SKN
125.18	157.14	31.96	FAP
157.14	160.38	3.24	SKN
160.38	161.27	0.89	FAP
161.27	162.45	1.18	HBS
162.45	164.56	2.11	SKN
164.56	185.96	21.4	HBS
185.96	187.56	1.6	SKN
187.56	199.08	11.52	HBS
199.08	199.73	0.65	FAP
199.73	203.65	3.92	HBS
203.65	225.06	21.41	FAP

225.06	243.64	18.58	HBS
243.64	247.62	3.98	QBS
247.62	248.36	0.74	GRD
248.36	254.6	6.24	QBS
254.6	257.91	3.31	HBS
257.91	268.05	10.14	QBS
268.05	278.75	10.7	HBS
278.75	284.74	5.99	QBS
284.74	290.54	5.8	HBS
290.54	291.08	0.54	QBS

Box Log

HOP-16-011

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.03
2	5.03	9.24
3	9.24	13.32
4	13.32	17.58
5	17.58	22.05
6	22.05	26.07
7	26.07	30.28
8	30.28	34.7
9	34.7	38.87
10	38.87	43.16
11	43.16	47.24
12	47.24	51.59
13	51.59	56.24
14	56.24	60.38
15	60.38	64.92
16	64.92	69.29
17	69.29	73.62
18	73.62	77.86
19	77.86	82.13
20	82.13	86.41
21	86.41	90.71
22	90.71	94.92
23	94.92	99.06
24	99.06	103.13
25	103.13	107.47
26	107.47	111.86
27	111.86	115.75
28	115.75	120.27
29	120.27	124.4
30	124.4	128.69
31	128.69	132.88
32	132.88	137
33	137	141.3
34	141.3	145.57
35	145.57	149.96
36	149.96	154.04
37	154.04	158.24
38	158.24	162.38
39	162.38	166.72
40	166.72	171.08
41	171.08	175.38
42	175.38	179.7
43	179.7	184.09
44	184.09	188.35
45	188.35	192.77
46	192.77	196.93
47	196.93	201.26
48	201.26	205.49
49	205.49	209.79
50	209.79	213.83
51	213.83	218.12
52	218.12	222.38
53	222.38	226.64
54	226.64	230.96
55	230.96	235.18
56	235.18	239.5
57	239.5	243.77
58	243.77	248.04
59	248.04	252.33
60	252.33	256.76
61	256.76	261.12
62	261.12	265.52
63	265.52	269.82
64	269.82	274.17
65	274.17	278.25
66	278.25	282.5
67	282.5	287.02
68	287.02	291.08

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	0.95	0.95	OVB	--	-							
						--	--	---	---	--	--	0
0.95	6.88	5.93	MBL	MG	Well banded light grey to medium grey to white marble with intermittent intervals up to 10 cm of unmineralized banded calc-silicate.							
						MD	GY					
						LT	GY	BN	SIL	2I	--	0
						LT	WH					
6.88	8.58	1.70	SKN	FG	Massive to mottled pyroxene>garnet skarn with moderate patchy, blebby and disseminated pyrrhotite with trace chalcopyrite, pyrite and magnetite. Weak epidote alteration and chlorite alteration. Minor oxide stain over 10 cm interval, likely from meteoric water percolating down.							
						MD	GN	MA	CHL	1I	Po	3
						LT	PK	Mo	EPI	1I	Cp	0.1
											Py	0.1
											Mg	0.1
8.58	9.10	0.52	MBL	MG	Well banded light grey to medium grey to white marble. No visible mineralization.							
						MD	GY					
						LT	GY	BN	---	--	--	0
						LT	WH					
9.10	12.52	3.42	SKN	FG	Massive pyroxene>garnet skarn hosting trace to weak blebby and patchy chalcopyrite and pyrite. Weak epidote alteration and chlorite alteration. Minor calcite seams (unmineralized). Last 1 m of interval is more calc-silicate to marble with intermittent pyroxene skarn horizons.							
						MD	GN	MA	EPI	2I	Po	2
						LT	PK		CHL	2I	Cp	0.1
											Py	0.5
12.52	13.38	0.86	HBS	FG	Well foliated light grey to dark grey to light green hornfels-biotite schist with intermittent bands of well foliated calc-silicate and banded marble. Interval is unmineralized.							
						LT	GY	FO	CHL	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN					
						DK	GY					
13.38	20.55	7.17	SKN	FG	Mottled pyroxene>>garnet-pyrrhotite skarn. Garnet is moderately chlorite altered locally. Patchy pyrrhotite found throughout and usually associated with fine grained blebby pyrite and chalcopyrite. Minor interval up to 15 cm of pyrrhotite-magnetite skarn (3% po 1% mt) with trace chalcopyrite and pyrite. More massive pyroxene skarns host black pock marks with disseminated pyrrhotite-chalcopyrite-pyrite +/- magnetite. Minor calcite veinlets/veins hosting mostly pyrrhotite and trace chalcopyrite and pyrite found locally cutting skarn at steep angles. An approximately 10 cm semi-massive pyrrhotite-magnetite skarn with 1 % chalcopyrite within diopside skarn. Large blebs of chalcopyrite (up to 1 x 1 cm found locally and are rimmed by pyrrhotite and pyrite.							
						MD	GN	Mo	CHL	2I	Po	0.5
						LT	PK				Mg	0.1
											Py	0.1
											Cp	0.1
20.55	24.65	4.10	HBS	FG	Well foliated dark grey-purple to medium grey hornfels-biotite schist with moderate chlorite alteration of biotite found intermittently. Minor intermittent calc-silicate lies between hornfels-biotite schist horizons pervasively. Oxidation is present as straining on surface of core locally and up to 10 cm wide, but minor overall.							
						MD	GY					
						DK	GY	FO	CHL	2I		
						DK	PU					
24.65	26.29	1.64	QTE	MG	Light grey to white quartzite forms irregular mottled/leopard like appearance within a 50 cm zone hosting moderate oxide staining on surface of core and along fractures.							
						MD	GY					
						LT	GY	Mo	OXI	2I	--	0
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.29	36.57	10.28	HBS	FG	Well foliated dark grey-purple to light grey-green hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						LT	GY					
						LT	GN					
						DK	GY	FO	CHL	1I	--	0
						DK	PU		OXI	1I		
36.57	37.21	0.64	SKN	FG	Medium green massive pyroxene skarn hosting fine grained disseminated po-cp-py. Chlorite-pyroxene seams in centre cutting core steeply forms about 1 cm selvages of lighter green skarn. Intermittent bands of hornfels-biotite schist (5% of interval).							
						DK	GN	MA	---	--	Po	0.1
								BN			Cp	0.01
											Py	0.01
37.21	38.51	1.30	HBS	FG	Well foliated dark grey-purple to light grey-green hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						MD	GN					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
38.51	38.74	0.23	SKN	FG	Medium green massive pyroxene skarn hosting fine grained disseminated po-cp-py. Intermittent bands of hornfels-biotite schist (5% of interval).							
						MD	GN	MA	---	--	Cp	0.01
								BN			Po	0.1
											Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
38.74	41.04	2.30	HBS	FG	Well foliated dark grey-purple to light grey-green moderately silicified hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						DK	GY	FO	SIL	2I	--	0
						DK	PU					
						DK	GN					
41.04	43.84	2.80	SKN	FG	Massive to banded pyroxene>>garnet skarn (90% pyroxene 20% garnet). Disseminated pyrrhotite and chalcopyrite throughout the pyroxene skarn. Chalcopyrite and pyrrhotite are also patchy and up to 2 x 2 cm. Garnet is weakly chlorite altered locally. Epidote alteration is found locally. Minor pyrrhotite and chalcopyrite seams are found locally throughout. Interval comprises 90% skarn and 10% hornfels-biotite schist.							
						MD	GN	MA	EPI	1I	Po	0.5
						LT	GN	BN	CHL	2I	Cp	0.2
									OXI	1I	Py	0.1
43.84	45.37	1.53	HBS	FG	Well foliated, dark grey-purple to medium grey hornfels-biotite schist with moderate chlorite seams pervasive and occasionally oxidized. Minor oxide stain on core. Occasional fractures host fine grained to medium grained blebby pyrite. Trace dark purple garnets up to 0.5 cm following foliation.							
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
45.37	45.70	0.33	GRD	MG	Medium grey equigranular hornblende-biotite granodiorite with trace epidote alteration and weakly propylitic altered.							
						MD	GY	EQ	PRO	2I	--	0
45.70	48.13	2.43	HBS	FG	Well foliated dark grey-purple hornfels-biotite schist, moderately fractured with strong oxide stain pervasively. Moderate veinlets hosting strong oxide, likely from meteoric waters. Last 20 cm grades into more calc-silicate to chlorite altered schist before skarn interval (unmineralized).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	CHL	1I	--	0
						DK	PU		OXI	1I		
48.13	54.27	6.14	SKN	FG	Dominantly massive pyroxene>garnet skarn hosting weak to moderate pyrrhotite and trace chalcopyrite (blebby and disseminated). A 1 to 2 metre interval (with low recovery) hosts light green/bleached pyroxene-magnetite-pyrrhotite skarn. Blebby pyrite is associated with magnetite within stringers/veins. A 1 m interval of diopside-pyrrhotite skarn hosting trace chalcopyrite and weak blebby pyrite. Minor pyroxene>garnet skarn hosts blebby to disseminated pyrrhotite (1%) throughout. Last 1 m of interval fizzes moderately with 10% HCl.							
						MD	GN	MA	OXI	1I	Po	1
						LT	PK				Py	0.1
						DK	GN				Cp	0.1
											Mg	0.1
54.27	56.24	1.97	HBS	FG	Well foliated dark grey-purple-green hornfels-biotite schist with a 20 cm interval of pyroxene-actinolite leopard textured skarn (unmineralized).							
						MD	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
56.24	59.60	3.36	FFP	CG	Medium grey felsic feldspar porphyry dyke with feldspar phenocrysts euhedral to subhedral and up to 1 x 1 cm. Patchy areas of more bleached rocks. Hornblende crystals up to 0.5 mm long.							
						MD	GY	PO	BLE	2I	--	0
59.60	59.89	0.29	SKN	FG	Mottled to massive pyroxene-garnet skarn (fizzes moderately with 10% HCl) hosting blebby chalcopyrite-pyrrhotite (up to 3 x 2 cm patches). Local areas up to 50 cm of moderate chlorite altered garnets. Trace calcite seams found locally cutting skarn steeply. Local areas of magnetite patches and veinlets/veins up to 0.5 cm. Trace epidote alteration within pyroxene found locally. A 20 cm interval of silicified marble hosting strong magnetite veins/stringers within pyroxene skarn.							
						MD	GN					
						LT	PK					
						DK	GN	Mo	CHL	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
59.89	60.96	1.07	FFP	CG	Medium grey felsic feldspar porphyry dyke with feldspar phenocrysts euhedral to subhedral and up to 1 x 1 cm. Patchy areas of more bleached rocks. Hornblende crystals up to 0.5 mm long.							
						MD	GY	PO	BLE	2I	--	0
60.96	77.09	16.13	SKN	FG	Mottled to massive pyroxene-garnet skarn (fizzes moderately with 10% HCl) hosting blebby chalcopyrite-pyrrhotite (up to 3 x 2 cm patches). Local areas up to 50 cm of moderate chlorite altered garnets. Trace calcite seams found locally cutting skarn steeply. Local areas of magnetite patches and veinlets/veins up to 0.5 cm. Trace epidote alteration within pyroxene found locally. A 20 cm interval of silicified marble hosting strong magnetite veins/stringers within pyroxene skarn.							
						MD	GN	MA			Cp	0.1
						LT	PK				Py	0.1
						DK	GN	Mo	CHL	3I	Po	0.5
											Mg	0.1
77.09	79.77	2.68	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	0I	--	0
79.77	82.21	2.44	LST	FG	Dominantly dark grey to light grey banded limestone with intermittent massive light green calc-silicate and light grey to white quartzite (trace).							
						LT	GY	BN	---	--	Po	0.1
						LT	GN					
						DK	GY	MA				
82.21	83.53	1.32	SKN	FG	Banded to massive pyroxene skarn hosting local zones of up to 5 cm hosting fine grained disseminated chalcopyrite and pyrrhotite. Intermittent bands of silicified hornfels-biotite schist. Minor quartz veins up to 2 cm - barren.							
						MD	GN	BN	---	--	Cp	0.01
								MA				
83.53	84.80	1.27	HBS	FG	Well foliated, dark grey to medium grey to dark purple hornfels-biotite schist. Minor chlorite veinlets cut core steeply.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU					
84.80	85.43	0.63	CSL	FG	Light green massive calc-silicate with intermittent well banded grey and light grey marble. Minor ankerite patches found throughout both calc-silicate and marble. Quartz clot hosts fluorescent pink irregular clasts.							
						LT	GN	---	---	--	--	0

85.43	93.38	7.95	GRD	FG	Light green, fine to medium grained, equigranular, moderately sericite altered and weakly oxidized hornblende-biotite granodiorite to granite with moderate chlorite veinlets cutting core steeply. Pervasive white veinlets cut core at 40 degrees to core axis at 8 per metre. Local fractures are oxidized. SILL							
						LT	GN	EQ	SER	3I	--	0
									OXI	1I		
93.38	97.24	3.86	SKN	FG	Massive pyroxene-garnet-pyrrhotite skarn with minor magnetite veinlets pervasive. Chalcopyrite is found disseminated locally and within chlorite stringers. Pyrrhotite is patchy throughout most of the interval and is usually associated with weak patchy and blebby chalcopyrite. See relict marble occasionally throughout the interval (minor). First 36 cm hosts unmineralized marble.							
						MD	GN				Cp	0.5
						DK	GN	MA	---	0I	Po	3
											Py	0.5
97.24	98.91	1.67	AND	FG	Dark green, massive andesite porphyry dyke with hornblende crystals up to 0.5 mm long. Moderate to strong epidote alteration pervasive.							
						DK	GN	MA	EPI	3I	--	0
98.91	100.55	1.64	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.55	115.37	14.82	FAP	MG	Medium green feldspar porphyry dyke with feldspar phenocrysts up to 0.5 cm with disseminated blebby pyrrhotite found locally. Appears that hornblende has been altered to sericite.							
						MD	GN	PO	SER	2I	--	0
115.37	117.12	1.75	SKN	FG	Generally massive pyroxene skarn with some intervals of banded pyroxene. Massive pyroxene is unmineralized, while banded pyroxene skarn hosts trace disseminated chalcopyrite and pyrrhotite. Trace garnet within pyroxene bands with trace epidote alteration.							
						MD	GN	MA	EPI	1I	Cp	0.01
								BN			Po	0.01
117.12	119.95	2.83	MBL	MG	Intermittent, light grey to white banded marble and banded calc-silicate hosting trace blebby to patchy pyrrhotite. 5 cm interval of pyroxene>garnet skarn (massive) hosting weak ankerite alteration and trace fine grained disseminated chalcopyrite and pyrrhotite.							
						LT	GY	BN	---	0I	--	0
						LT	WH		---	0I		
						LT	GN					
119.95	120.91	0.96	SKN	FG	Massive diopside-pyrrhotite-magnetite-chalcopyrite skarn, dark green massive, weakly silicified skarn with chalcopyrite and pyrrhotite found as patches and as disseminations throughout the interval. Magnetite is found as random blebs and associated with pyrrhotite. Weakly fizzes with 10% HCl. Moly is found over a 30 cm interval within a fracture cutting core steeply.							
						DK	GN	MA	---	0I	Cp	1
											Po	5
											mo	0.5
120.91	124.59	3.68	SKN	FG	Massive, medium to light green pyroxene-chlorite skarn with minor patches of garnet. Black pock marks pervasive. Trace chalcopyrite found as disseminations and blebs locally. An approximately 20 cm interval of weakly clay to vuggy altered skarn+/-tremolite.							
						MD	GN	MA	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	Mo				
124.59	125.18	0.59	SKN	FG	Light to medium green, massive pyroxene skarn (moderately bleached?) hosting abundant patchy and blebby pyrrhotite and pyrite over last 37 cm of interval. A 3 x 1 cm dilational jog/positive flower structure hosts pyrrhotite and chalcopyrite (3:1 chalcopyrite to pyrrhotite).							
						MD	GN	MA	BLE	2I	Cp	1
						LT	GN				Po	5
125.18	138.30	13.12	FAP	MG	Dark grey to medium grey, medium grained feldspar andesite porphyry dyke. A 2.5 cm wide bleached breccia zone hosts blebby to patchy chalcopyrite-pyrrhotite-magnetite vein. First 2 m of interval is strongly bleached with abundant chlorite seams+/-chalcopyrite-pyrite-pyrrhotite. Moderate barren quartz veins cut core ranging from 25 to 75 degrees are pervasive, but generally concentrated locally. Trace chalcopyrite-pyrite disseminated within more bleached areas.							
						MD	GY		---	0I		
						DK	GY	PO	---	0I	--	0
146.86	153.62	6.76	FAP	MG	Dark grey to medium grey, medium grained feldspar andesite porphyry dyke. Moderate barren quartz veins cut core ranging from 25 to 75 degrees are pervasive, but generally concentrated locally.							
						MD	GY					
						DK	GN	PO	---	--	--	0
153.62	154.08	0.46	FAP	CG	Fine grained dark green andesite matrix with feldspar phenocrysts up to 1 x 1 cm. 5 millimetre square/rhombohedral black mafic minerals pervasive. Quartz seams pervasive at 1-2 per metre.							
						DK	GY	PO	---	0I	--	0
						DK	GN		---	0I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
154.08	157.14	3.06	FAP	MG	Dark grey to medium grey, medium grained feldspar andesite porphyry dyke. A 2.5 cm wide bleached breccia zone hosts blebby to patchy chalcopyrite-pyrrhotite-magnetite vein. First 2 m of interval is strongly bleached with abundant chlorite seams+/-chalcopyrite-pyrite-pyrrhotite. Moderate barren quartz veins cut core ranging from 25 to 75 degrees are pervasive, but generally concentrated locally. Trace chalcopyrite-pyrite disseminated within more bleached areas. Last metre of interval grades into fine grained massive andesite dyke with intermittent coarse grained FAP found as patches.							
						DK	GN	PO	---	0I	--	0
						DK	GY		---	0I		
157.14	160.38	3.24	SKN	FG	Actinolite-diopside skarn for first 50 cm and grades into more massive to banded pyroxene skarn with minor intermittent hornfels-biotite schist bands found locally. Minor pyrrhotite-pyrite found as blebs within actinolite-diopside and diopside skarn. Trace disseminated pyrite and chalcopyrite within more massive to banded pyroxene skarn.							
						MD	GN	MA	---	0I	Py	0.1
						DK	GN	Mo	---	0I	Po	0.1
											Cp	0.01
160.38	161.27	0.89	FAP	CG	Fine grained dark green andesite matrix with feldspar phenocrysts up to 1 x 1 cm. 5 millimetre square/rhombohedral black mafic minerals pervasive. Quartz seams pervasive at 1-2 per metre.							
						DK	GN	PO	---	0I	--	0
						DK	GY		---	0I		
161.27	162.45	1.18	HBS	FG	Well foliated, dark grey to dark purple to light grey hornfels-biotite schist with more light grey bands comprising more siliceous material. Minor fractures hosting moderate medium grained pyrite. Blebby fine grained to medium grained pyrite also disseminated within more siliceous zones.							
						LT	GY					
						DK	GY	FO	SIL	3I	Py	0.1
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
162.45	164.56	2.11	SKN	FG	Intermittent pyroxene-diopside skarn hosting moderate pyrrhotite and weak chalcopyrite and leopard-like textured actinolite-diopside skarn with weak epidote alteration. Pyrrhotite is found within chlorite seams/veins up to 1 cm and dendritic-like - no preferred orientation.							
						DK	GN	Mo	EPI	1I	Po	1
						DK	GY	MA			Cp	0.1
164.56	185.96	21.40	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Minor intervals of actinolite-diopside skarn hosting weak pyrrhotite+/-chalcopyrite with intervals up to 20 cm and represents about 10% of interval. Samples taken over intervals with higher concentrations of mineralized skarn. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation.							
						DK	GY	FO	---	0I	--	0
						DK	GN					
						DK	PU					
185.96	187.56	1.60	SKN	FG	Dominantly dark green diopside-pyrrhotite skarn with intermittent intervals up to 10 cm of bleached skarn and a 50 cm zone of mottled to banded pyroxene>garnet skarn hosting blebby to patchy pyrrhotite with trace chalcopyrite+/-pyrite. Pyrrhotite and chalcopyrite are generally banded as dissemination, but occasionally just found locally as blebs.							
						DK	GN	MA	---	--	--	0
187.56	199.08	11.52	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation. Occasional fractures host blebby pyrite.							
						DK	GY	FO	CHL	2I	--	0
						DK	GN		SIL	1I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
199.08	199.73	0.65	FAP	CG	Dark green to medium grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 x 2.5 cm hosting trace fine grained pyrite.							
						MD	GY					
						DK	GN	PO	---	--	--	0
199.73	203.65	3.92	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation. Occasional fractures host blebby pyrite.							
						MD	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU					
203.65	225.06	21.41	FAP	MG	Dominantly light grey, strongly sericite altered feldspar porphyry dyke. Minor brecciated quartz-carbonate veins with late calcite rimming milky white quartz fragments. Minor intervals of relict medium grained, medium grey feldspar andesite porphyry found as patches. Top 20 cm of interval hosts strong quartz-carbonate breccia with strong propylitic altered feldspar-porphyry dyke with angular fragments up to 2 x 5 cm and fractures strongly clay altered.							
						MD	GY	PO	SER	4I	--	0
						LT	GY					
						DK	GY					
225.06	243.64	18.58	HBS	FG	Well foliated, dark grey to light grey to medium green hornfels-biotite schist. Intermittent intervals of strongly silicified hornfels-biotite schist and quartzite up to 20 cm. Minor intervals of pyroxene>garnet (unmineralized) skarn and diopside-pyrrhotite+/-chalcopyrite skarn (up to 15 cm) trace within interval. Up to 0.5 mm dark purple garnets found along foliation. Local areas of medium chlorite alteration of biotite. Pyrite found disseminated locally, usually along foliation and fractures.							
						MD	GN					
						LT	GY					
						DK	GY	FO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
243.64	247.62	3.98	QBS	FG	Well foliated, dark grey, salt and pepper diorite. Local trace disseminated pyrite and pyrite veinlets throughout. Quartz veinlets up to 0.5 cm at 5 per metre.							
						MD	GY					
						DK	GY	FO	---	--	Py	0.01
247.62	248.36	0.74	GRD	FG	Medium grey, medium grained equigranular and weakly to moderately propylitic altered granodiorite. Hornblende is altering to chlorite.							
						MD	GY	EQ	PRO	2I	--	0
248.36	254.60	6.24	QBS	FG	Well foliated, dark grey, salt and pepper diorite. Local trace disseminated pyrite and pyrite veinlets throughout. Quartz veinlets up to 0.5 cm at 5 per metre.							
						MD	GY					
						DK	GY	FO	---	0I	Py	0.01
254.60	257.91	3.31	HBS	FG	Strongly silicified, well foliated, light grey to dark purple hornfels-biotite schist. Minor fractures host medium grained blebby pyrite. Unit hosts trace patchy/blebs of pyrite locally throughout.							
						LT	GY					
						DK	PU	FO	SIL	4I	Py	0.01
257.91	268.05	10.14	QBS	FG	Well foliated, dark grey to green moderately chlorite altered diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively.							
						DK	GY	FO	CHL	2I	Py	0.01
						DK	GN					
268.05	275.84	7.79	HBS	FG	strongly phyllic altered, light grey to tan hornfels-biotite schist. Weakly ankerite altered locally. Quartz veinig/breccias are often rimmed by calcite cutting the core at angles between 5 and 20 degrees. Veins are usually hosting dark grey+/- blebby pyrite selvages (1 mm wide) and ankerite is found locally associated with quartz and calcite. Strong bands of sericite alteration is found locally and often host fuchesite.							
						LT	GY	FO	PHC	5I	--	0
						LT	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
275.84	278.75	2.91	HBS	FG	Strongly silicified, well foliated, light grey to dark purple hornfels-biotite schist. Minor fractures host medium grained blebby pyrite. Unit hosts trace patchy/blebs of pyrite locally throughout.							
						LT	GY					
						DK	GY	FO	SIL	3I		
						DK	PU					
278.75	283.43	4.68	DIO	FG	Well foliated, dark grey to green moderately chlorite altered diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively. Minor sericite bands found locally.							
						DK	GY	FO	---	--	--	0
						DK	GN					
283.43	284.74	1.31	DIO	FG	Apple green, strongly silicified diorite? With light grey quartz vein in centre of interval associated with calcite and dark grey very fine grained sulphide filled selvages. Vein hosts fine to medium grained blebby pyrite mostly along selvages, but also within fracture seams in quartz vein perpendicular the vein.							
						MD	GN		CHL	2I		
						DK	GN	FO	SIL	3I	Py	0.01
									SER	1I		
284.74	286.51	1.77	HBS	FG	Very stongly chlorite altered, well foliated, dark green-grey hornfels-biotite schist. Quartz bands up to 1 cm found at 10/m pervasively along foliation. Trace fine grained disseminated pyrite throughout.							
						LT	GY					
						DK	GY	FO	CHL	4I	--	0
						DK	GN					
286.51	290.54	4.03	HBS	FG	Strongly phyllic altered, light grey to tan hornfels-biotite schist. Weakly ankerite altered locally. Quartz veining/breccias alter country rock up to 10 cm way to strong chlorite. Fine grained to medium grained pyrite is found along the selvages of the veins and the vein is 10 cm wide.							
						LT	TN	FO	PHC	4I	--	0
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
290.54	291.08	0.54	QBS	FG	Well foliated, dark grey to green moderately chlorite altered diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively. Minor sericite bands found locally.							
						MD	GY					
						DK	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	0.95	0.95	OVB	--	-							
						--	--	---	---	--	--	0
0.95	6.88	5.93	MBL	MG	Well banded light grey to medium grey to white marble with intermittent intervals up to 10 cm of unmineralized banded calc-silicate.							
						LT	GY	BN	SIL	2I	--	0
						LT	WH					
						MD	GY					
6.88	8.58	1.70	SKN	FG	Massive to mottled pyroxene>garnet skarn with moderate patchy, blebby and disseminated pyrrhotite with trace chalcopyrite, pyrite and magnetite. Weak epidote alteration and chlorite alteration. Minor oxide stain over 10 cm interval, likely from meteoric water percolating down.							
						MD	GN	MA	CHL	1I	Po	3
						LT	PK	Mo	EPI	1I	Cp	0.1
											Py	0.1
											Mg	0.1
8.58	9.10	0.52	MBL	MG	Well banded light grey to medium grey to white marble. No visible mineralization.							
						LT	GY	BN	---	--	--	0
						LT	WH					
						MD	GY					
9.10	12.52	3.42	SKN	FG	Massive pyroxene>garnet skarn hosting trace to weak blebby and patchy chalcopyrite and pyrite. Weak epidote alteration and chlorite alteration. Minor calcite seams (unmineralized). Last 1 m of interval is more calc-silicate to marble with intermittent pyroxene skarn horizons.							
						MD	GN	MA	EPI	2I	Po	2
						LT	PK		CHL	2I	Cp	0.1
											Py	0.5
12.52	13.38	0.86	HBS	FG	Well foliated light grey to dark grey to light green hornfels-biotite schist with intermittent bands of well foliated calc-silicate and banded marble. Interval is unmineralized.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY					
						LT	GY	FO	CHL	1I	--	0
						LT	GN					
13.38	20.55	7.17	SKN	FG	Mottled pyroxene>>garnet-pyrrhotite skarn. Garnet is moderately chlorite altered locally. Patchy pyrrhotite found throughout and usually associated with fine grained blebby pyrite and chalcopyrite. Minor interval up to 15 cm of pyrrhotite-magnetite skarn (3% po 1% mt) with trace chalcopyrite and pyrite. More massive pyroxene skarns host black pock marks with disseminated pyrrhotite-chalcopyrite-pyrite +/- magnetite. Minor calcite veinlets/veins hosting mostly pyrrhotite and trace chalcopyrite and pyrite found locally cutting skarn at steep angles. An approximately 10 cm semi-massive pyrrhotite-magnetite skarn with 1 % chalcopyrite within diopside skarn. Large blebs of chalcopyrite (up to 1 x 1 cm found locally and are rimmed by pyrrhotite and pyrite.							
											Cp	0.1
						MD	GN	Mo	CHL	2I	Po	0.5
						LT	PK				Mg	0.1
											Py	0.1
20.55	24.65	4.10	HBS	FG	Well foliated dark grey-purple to medium grey hornfels-biotite schist with moderate chlorite alteration of biotite found intermittently. Minor intermittent calc-silicate lies between hornfels-biotite schist horizons pervasively. Oxidation is present as straining on surface of core locally and up to 10 cm wide, but minor overall.							
						DK	PU					
						DK	GY	FO	CHL	2I		
						MD	GY					
24.65	26.29	1.64	QTE	MG	Light grey to white quartzite forms irregular mottled/leopard like appearance within a 50 cm zone hosting moderate oxide staining on surface of core and along fractures.							
						LT	GY	Mo	OXI	2I	--	0
						MD	GY					
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
26.29	36.57	10.28	HBS	FG	Well foliated dark grey-purple to light grey-green hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						LT	GN					
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU		OXI	1I		
36.57	37.21	0.64	SKN	FG	Medium green massive pyroxene skarn hosting fine grained disseminated po-cp-py. Chlorite-pyroxene seams in centre cutting core steeply forms about 1 cm selvages of lighter green skarn. Intermittent bands of hornfels-biotite schist (5% of interval).							
						DK	GN	MA	---	--	Po	0.1
											Py	0.01
								BN			Cp	0.01
37.21	38.51	1.30	HBS	FG	Well foliated dark grey-purple to light grey-green hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						MD	GN					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
38.51	38.74	0.23	SKN	FG	Medium green massive pyroxene skarn hosting fine grained disseminated po-cp-py. Intermittent bands of hornfels-biotite schist (5% of interval).							
						MD	GN	MA	---	--	Cp	0.01
								BN			Po	0.1
											Py	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
38.74	41.04	2.30	HBS	FG	Well foliated dark grey-purple to light grey-green moderately silicified hornfels-biotite schist. Minor intervals of thin calc-silicate horizons between hornfels-biotite schist, but no visible mineralization. Minor purple garnet clasts up to 2 cm found along foliation. Pervasive calcite veinlets steeply cutting bedding at 2 per metre and are strongly oxidized locally.							
						DK	GY	FO	SIL	2I	--	0
						DK	PU					
						DK	GN					
41.04	43.84	2.80	SKN	FG	Massive to banded pyroxene>>garnet skarn (90% pyroxene 20% garnet). Disseminated pyrrhotite and chalcopyrite throughout the pyroxene skarn. Chalcopyrite and pyrrhotite are also patchy and up to 2 x 2 cm. Garnet is weakly chlorite altered locally. Epidote alteration is found locally. Minor pyrrhotite and chalcopyrite seams are found locally throughout. Interval comprises 90% skarn and 10% hornfels-biotite schist.							
						MD	GN	MA	EPI	1I	Po	0.5
						LT	GN	BN	CHL	2I	Cp	0.2
									OXI	1I	Py	0.1
43.84	45.37	1.53	HBS	FG	Well foliated, dark grey-purple to medium grey hornfels-biotite schist with moderate chlorite seams pervasive and occasionally oxidized. Minor oxide stain on core. Occasional fractures host fine grained to medium grained blebby pyrite. Trace dark purple garnets up to 0.5 cm following foliation.							
						DK	PU					
						DK	GY	FO	OXI	2I	--	0
						LT	GY					
45.37	45.70	0.33	GRD	MG	Medium grey equigranular hornblende-biotite granodiorite with trace epidote alteration and weakly propylitic altered.							
						MD	GY	EQ	PRO	2I	--	0
45.70	48.13	2.43	HBS	FG	Well foliated dark grey-purple hornfels-biotite schist, moderately fractured with strong oxide stain pervasively. Moderate veinlets hosting strong oxide, likely from meteoric waters. Last 20 cm grades into more calc-silicate to chlorite altered schist before skarn interval (unmineralized).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		OXI	1I		
						DK	GY	FO	CHL	1I	--	0
48.13	54.27	6.14	SKN	FG	Dominantly massive pyroxene>garnet skarn hosting weak to moderate pyrrhotite and trace chalcopyrite (blebby and disseminated). A 1 to 2 metre interval (with low recovery) hosts light green/bleached pyroxene-magnetite-pyrrhotite skarn. Blebby pyrite is associated with magnetite within stringers/veins. A 1 m interval of diopside-pyrrhotite skarn hosting trace chalcopyrite and weak blebby pyrite. Minor pyroxene>garnet skarn hosts blebby to disseminated pyrrhotite (1%) throughout. Last 1 m of interval fizzes moderately with 10% HCl.							
						MD	GN	MA	OXI	1I	Po	1
						DK	GN				Cp	0.1
						LT	PK				Py	0.1
											Mg	0.1
54.27	56.24	1.97	HBS	FG	Well foliated dark grey-purple-green hornfels-biotite schist with a 20 cm interval of pyroxene-actinolite leopard textured skarn (unmineralized).							
						MD	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
56.24	59.60	3.36	FFP	CG	Medium grey felsic feldspar porphyry dyke with feldspar phenocrysts euhedral to subhedral and up to 1 x 1 cm. Patchy areas of more bleached rocks. Hornblende crystals up to 0.5 mm long.							
						MD	GY	PO	BLE	2I	--	0
59.60	59.89	0.29	SKN	FG	Mottled to massive pyroxene-garnet skarn (fizzes moderately with 10% HCl) hosting blebby chalcopyrite-pyrrhotite (up to 3 x 2 cm patches). Local areas up to 50 cm of moderate chlorite altered garnets. Trace calcite seams found locally cutting skarn steeply. Local areas of magnetite patches and veinlets/veins up to 0.5 cm. Trace epidote alteration within pyroxene found locally. A 20 cm interval of silicified marble hosting strong magnetite veins/stringers within pyroxene skarn.							
						MD	GN					
						LT	PK					
						DK	GN	Mo	CHL	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
59.89	60.96	1.07	FFP	CG	Medium grey felsic feldspar porphyry dyke with feldspar phenocrysts euhedral to subhedral and up to 1 x 1 cm. Patchy areas of more bleached rocks. Hornblende crystals up to 0.5 mm long.							
						MD	GY	PO	BLE	2I	--	0
60.96	77.09	16.13	SKN	FG	Mottled to massive pyroxene-garnet skarn (fizzes moderately with 10% HCl) hosting blebby chalcopyrite-pyrrhotite (up to 3 x 2 cm patches). Local areas up to 50 cm of moderate chlorite altered garnets. Trace calcite seams found locally cutting skarn steeply. Local areas of magnetite patches and veinlets/veins up to 0.5 cm. Trace epidote alteration within pyroxene found locally. A 20 cm interval of silicified marble hosting strong magnetite veins/stringers within pyroxene skarn.							
											Mg	0.1
						DK	GN	Mo	CHL	3I	Po	0.5
						MD	GN	MA			Cp	0.1
						LT	PK				Py	0.1
77.09	79.77	2.68	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	0I	--	0
79.77	82.21	2.44	LST	FG	Dominantly dark grey to light grey banded limestone with intermittent massive light green calc-silicate and light grey to white quartzite (trace).							
						LT	GN					
						DK	GY	MA				
						LT	GY	BN	---	--	Po	0.1
82.21	83.53	1.32	SKN	FG	Banded to massive pyroxene skarn hosting local zones of up to 5 cm hosting fine grained disseminated chalcopyrite and pyrrhotite. Intermittent bands of silicified hornfels-biotite schist. Minor quartz veins up to 2 cm - barren.							
								MA				
						MD	GN	BN	---	--	Cp	0.01
83.53	84.80	1.27	HBS	FG	Well foliated, dark grey to medium grey to dark purple hornfels-biotite schist. Minor chlorite veinlets cut core steeply.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU					
84.80	85.43	0.63	CSL	FG	Light green massive calc-silicate with intermittent well banded grey and light grey marble. Minor ankerite patches found throughout both calc-silicate and marble. Quartz clot hosts fluorescent pink irregular clasts.							

						LT	GN	---	---	--	--	0
85.43	93.38	7.95	GRD	FG	Light green, fine to medium grained, equigranular, moderately sericite altered and weakly oxidized hornblende-biotite granodiorite to granite with moderate chlorite veinlets cutting core steeply. Pervasive white veinlets cut core at 40 degrees to core axis at 8 per metre. Local fractures are oxidized. SILL							
						LT	GN	EQ	SER	3I	--	0
									OXI	1I		
93.38	97.24	3.86	SKN	FG	Massive pyroxene-garnet-pyrrhotite skarn with minor magnetite veinlets pervasive. Chalcopyrite is found disseminated locally and within chlorite stringers. Pyrrhotite is patchy throughout most of the interval and is usually associated with weak patchy and blebby chalcopyrite. See relict marble occasionally throughout the interval (minor). First 36 cm hosts unmineralized marble.							
						MD	GN				Cp	0.5
											Py	0.5
						DK	GN	MA	---	0I	Po	3
97.24	98.91	1.67	AND	FG	Dark green, massive andesite porphyry dyke with hornblende crystals up to 0.5 mm long. Moderate to strong epidote alteration pervasive.							
						DK	GN	MA	EPI	3I	--	0
98.91	100.55	1.64	RHY	FG	Very fine grained, light grey rhyolite dyke hosting weak hornblende up to 1 mm and subhedral mafic, circular mineral (hard).							
						LT	GY	MA	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.55	115.37	14.82	FAP	MG	Medium green feldspar porphyry dyke with feldspar phenocrysts up to 0.5 cm with disseminated blebby pyrrhotite found locally. Appears that hornblende has been altered to sericite.							
						MD	GN	PO	SER	2I	--	0
115.37	117.12	1.75	SKN	FG	Generally massive pyroxene skarn with some intervals of banded pyroxene. Massive pyroxene is unmineralized, while banded pyroxene skarn hosts trace disseminated chalcopyrite and pyrrhotite. Trace garnet within pyroxene bands with trace epidote alteration.							
								BN			Po	0.01
						MD	GN	MA	EPI	1I	Cp	0.01
117.12	119.95	2.83	MBL	MG	Intermittent, light grey to white banded marble and banded calc-silicate hosting trace blebby to patchy pyrrhotite. 5 cm interval of pyroxene>garnet skarn (massive) hosting weak ankerite alteration and trace fine grained disseminated chalcopyrite and pyrrhotite.							
						LT	GY	BN	---	0I	--	0
						LT	WH		---	0I		
						LT	GN					
119.95	125.18	5.23	SKN	FG	Massive diopside-pyrrhotite-magnetite-chalcopyrite skarn, pyroxene-chlorite+/-garnet skarn and bleached chlorite-pyrrhotite-chalcopyrite skarn found intermittently.							
						DK	GN	MA	CHL	2I	Cp	1
											mo	0.5
						LT	PK				Py	1
						MD	GN				Po	2
125.18	157.14	31.96	FAP	MG	Dark grey to medium grey, medium grained feldspar andesite porphyry dyke; Strongly sericite altered feldspar andesite porphyry dyke; and dark green, coarse grained feldspar porphyry andesite found periodically throughout interval.							
						MD	GY					
						LT	GY					
						DK	GY	PO	SER	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
157.14	160.38	3.24	SKN	FG	Actinolite-diopside skarn for first 50 cm and grades into more massive to banded pyroxene skarn with minor intermittent hornfels-biotite schist bands found locally. Minor pyrrhotite-pyrite found as blebs within actinolite-diopside and diopside skarn. Trace disseminated pyrite and chalcopyrite within more massive to banded pyroxene skarn.							
						MD	GN	MA	---	0I	Py	0.1
											Cp	0.01
						DK	GN	Mo	---	0I	Po	0.1
160.38	161.27	0.89	FAP	CG	Fine grained dark green andesite matrix with feldspar phenocrysts up to 1 x 1 cm. 5 millimetre square/rhombohedral black mafic minerals pervasive. Quartz seams pervasive at 1-2 per metre.							
						DK	GN	PO	---	0I	--	0
						DK	GY		---	0I		
161.27	162.45	1.18	HBS	FG	Well foliated, dark grey to dark purple to light grey hornfels-biotite schist with more light grey bands comprising more siliceous material. Minor fractures hosting moderate medium grained pyrite. Blebby fine grained to medium grained pyrite also disseminated within more siliceous zones.							
						DK	GY	FO	SIL	3I	Py	0.1
						DK	PU					
						LT	GY					
162.45	164.56	2.11	SKN	FG	Intermittent pyroxene-diopside skarn hosting moderate pyrrhotite and weak chalcopyrite and leopard-like textured actinolite-diopside skarn with weak epidote alteration. Pyrrhotite is found within chlorite seams/veins up to 1 cm and dendritic-like - no preferred orientation.							
						DK	GN	Mo	EPI	1I	Po	1
						DK	GY	MA			Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
164.56	185.96	21.40	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Minor intervals of actinolite-diopside skarn hosting weak pyrrhotite+/-chalcopyrite with intervals up to 20 cm and represents about 10% of interval. Samples taken over intervals with higher concentrations of mineralized skarn. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation.							
						DK	GN					
						DK	PU					
						DK	GY	FO	---	0I	--	0
185.96	187.56	1.60	SKN	FG	Dominantly dark green diopside-pyrrhotite skarn with intermittent intervals up to 10 cm of bleached skarn and a 50 cm zone of mottled to banded pyroxene>garnet skarn hosting blebby to patchy pyrrhotite with trace chalcopyrite+/-pyrite. Pyrrhotite and chalcopyrite are generally banded as dissemination, but occasionally just found locally as blebs.							
						DK	GN	MA	---	--	--	0
187.56	199.08	11.52	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation. Occasional fractures host blebby pyrite.							
						DK	GY	FO	CHL	2I	--	0
						DK	PU					
						DK	GN		SIL	1I		
199.08	199.73	0.65	FAP	CG	Dark green to medium grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 x 2.5 cm hosting trace fine grained pyrite.							
						DK	GN	PO	---	--	--	0
						MD	GY					
199.73	203.65	3.92	HBS	FG	Well foliated, dark grey to green to purple hornfels-biotite schist. Weak chlorite veinlets pervasive and cut core at steep angles and tend to bleach the country rock. Minor intervals of garnets up to 0.5 mm circular dark purple found along foliation. Occasional fractures host blebby pyrite.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	---	0I	--	0
						DK	PU					
						MD	GY					
203.65	225.06	21.41	FAP	MG	Dominantly light grey, strongly sericite altered feldspar porphyry dyke. Minor brecciated quartz-carbonate veins with late calcite rimming milky white quartz fragments. Minor intervals of relict medium grained, medium grey feldspar andesite porphyry found as patches. Top 20 cm of interval hosts strong quartz-carbonate breccia with strong propylitic altered feldspar-porphyry dyke with angular fragments up to 2 x 5 cm and fractures strongly clay altered.							
						MD	GY	PO	SER	4I	--	0
						DK	GY					
						LT	GY					
225.06	243.64	18.58	HBS	FG	Well foliated, dark grey to light grey to medium green hornfels-biotite schist. Intermittent intervals of strongly silicified hornfels-biotite schist and quartzite up to 20 cm. Minor intervals of pyroxene>garnet (unmineralized) skarn and diopside-pyrrhotite+/-chalcopyrite skarn (up to 15 cm) trace within interval. Up to 0.5 mm dark purple garnets found along foliation. Local areas of medium chlorite alteration of biotite. Pyrite found disseminated locally, usually along foliation and fractures.							
						DK	GY	FO	CHL	2I	--	0
						LT	GY					
						MD	GN					
243.64	247.62	3.98	QBS	FG	Well foliated, dark grey, salt and pepper diorite. Local trace disseminated pyrite and pyrite veinlets throughout. Quartz veinlets up to 0.5 cm at 5 per metre.							
						DK	GY	FO	---	--	Py	0.01
						MD	GY					
247.62	248.36	0.74	GRD	FG	Medium grey, medium grained equigranular and weakly to moderately propylitic altered granodiorite. Hornblende is altering to chlorite.							
						MD	GY	EQ	PRO	2I	--	0
248.36	254.60	6.24	QBS	FG	Well foliated, dark grey, salt and pepper diorite. Local trace disseminated pyrite and pyrite veinlets throughout. Quartz veinlets up to 0.5 cm at 5 per metre.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	---	0I	Py	0.01
254.60	257.91	3.31	HBS	FG	Strongly silicified, well foliated, light grey to dark purple hornfels-biotite schist. Minor fractures host medium grained blebby pyrite. Unit hosts trace patchy/blebs of pyrite locally throughout.							
						LT	GY					
						DK	PU	FO	SIL	4I	Py	0.01
257.91	268.05	10.14	QBS	FG	Well foliated, dark grey to green moderately chlorite altered diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively.							
						DK	GY	FO	CHL	2I	Py	0.01
						DK	GN					
268.05	278.75	10.70	HBS	FG	Intermittent fresh to strongly phyllic altered, light grey to tan hornfels-biotite schist. Weakly ankerite altered locally. Quartz veinig/breccias are often rimmed by calcite cutting the core at angles between 5 and 20 degrees. Veins are usually hosting dark grey+/-blebby pyrite selvages (1 mm wide) and ankerite is found locally associated with quartz and calcite. Strong bands of sericite alteration is found locally and often host fuchesite.							
						DK	PU		EPI	1I		
						DK	GY		CHL	2I		
						LT	TN		SIL	3I		
						LT	GY	FO	PHC	5I	--	0
278.75	284.74	5.99	QBS	FG	Well foliated, dark grey to green moderately chlorite altered diorite with intermittent apple green, strongly silicified diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively. Minor sericite bands found locally.							
						DK	GY	FO				
						DK	GN					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.74	290.54	5.80	HBS	FG	Very strongly chlorite altered, well foliated, dark green-grey hornfels-biotite schist and strongly phyllic altered, light grey to tan hornfels-biotite schist.							
						DK	GY	FO	CHL	4I	--	0
						DK	GN		PHC	4I		
						LT	TN					
290.54	291.08	0.54	QBS	FG	Well foliated, dark grey to green moderately chlorite altered diorite. Quartz veins are pervasive along foliation at 4 per metre. Minor sericite alteration over last 15 cm of interval and grades into strong phyllic altered diorite. Minor quartz-chlorite-pyrite (blebby veinlets cut core steeply). Trace pyrite is disseminated pervasively. Minor sericite bands found locally.							
						MD	GY					
						DK	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.69	45	0.00	0	0R	4H	1W	
1.52	4.57	3.05	2.74	90	0.80	26	3R	4H	1W	
4.57	7.62	3.05	3.02	99	0.69	23	1R	5H	1W	
7.62	10.67	3.05	3	98	2.37	78	3R	4H	1W	
10.67	13.72	3.05	3.05	100	2.37	78	1R	5H	1W	
13.72	16.76	3.04	3.04	100	2.55	84	2R	4H	1W	
16.76	19.81	3.05	3.05	100	2.70	89	3R	5H	1W	
19.81	22.86	3.05	3.05	100	2.91	95	1R	4H	1W	
22.86	25.91	3.05	3.05	100	2.62	86	0R	5H	1W	
25.91	28.96	3.05	3.05	100	2.09	69	0R	4H	1W	
28.96	32.00	3.04	3.04	100	1.06	35	0R	4H	1W	
32.00	35.05	3.05	3.05	100	2.09	69	0R	4H	1W	
35.05	38.10	3.05	3.05	100	1.78	58	0R	4H	1W	
38.10	41.15	3.05	3	98	1.82	60	0R	4H	1W	
41.15	44.20	3.05	3.05	100	2.58	85	0R	4H	1W	
44.20	47.24	3.04	3.04	100	2.14	70	0R	4H	1W	
47.24	50.29	3.05	3.05	100	2.87	94	0R	4H	1W	
50.29	53.34	3.05	2.46	81	1.58	52	4R	4H	1W	
53.34	56.39	3.05	3.05	100	2.55	84	3R	4H	1W	
56.39	59.44	3.05	3.05	100	2.28	75	0R	4H	1W	
59.44	62.48	3.04	2.7	89	1.21	40	3R	4H	1W	
62.48	65.53	3.05	3.05	100	2.20	72	3R	4H	1W	
65.53	68.58	3.05	3.05	100	3.05	100	3R	4H	1W	
68.58	71.63	3.05	3.05	100	2.73	90	2R	4H	1W	
71.63	74.68	3.05	3.05	100	2.93	96	1R	3H	1W	
74.68	77.72	3.04	2.98	98	2.82	93	1R	4H	1W	
77.72	80.77	3.05	3.05	100	2.12	70	2R	4H	1W	
80.77	83.82	3.05	2.94	96	2.65	87	3R	4H	1W	
83.82	86.87	3.05	3.05	100	2.56	84	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	3.05	100	2.30	75	0R	5H	1W	
89.92	92.96	3.04	3.04	100	3.04	100	0R	5H	1W	
92.96	96.01	3.05	3.05	100	3.05	100	1R	4H	1W	
96.01	99.06	3.05	3.05	100	2.16	71	1R	4H	1W	
99.06	102.11	3.05	3.05	100	1.49	49	1R	5H	1W	
102.11	105.16	3.05	3.05	100	2.40	79	0R	5H	1W	
105.16	108.20	3.04	3.04	100	3.04	100	0R	5H	1W	
108.20	111.25	3.05	3.05	100	2.82	92	0R	5H	1W	
111.25	114.30	3.05	3.05	100	2.39	78	0R	5H	1W	
114.30	117.35	3.05	3.05	100	2.61	86	0R	5H	1W	
117.35	120.40	3.05	3.05	100	2.74	90	0R	5H	1W	
120.40	123.44	3.04	3.04	100	3.00	99	2R	4H	1W	
123.44	126.49	3.05	3.05	100	2.40	79	1R	4H	1W	
126.49	129.54	3.05	3.05	100	2.75	90	0R	4H	1W	
129.54	132.59	3.05	3.05	100	2.37	78	0R	4H	1W	
132.59	135.64	3.05	3.05	100	2.61	86	0R	5H	1W	
135.64	138.68	3.04	3.04	100	2.29	75	0R	5H	1W	
138.68	141.73	3.05	3.05	100	2.82	92	0R	5H	1W	
141.73	144.78	3.05	3.05	100	2.67	88	0R	5H	1W	
144.78	147.83	3.05	3.05	100	2.50	82	0R	5H	1W	
147.83	150.88	3.05	3.05	100	2.64	87	0R	4H	1W	
150.88	153.92	3.04	3.04	100	2.75	90	0R	5H	1W	
153.92	156.97	3.05	3.05	100	2.80	92	0R	4H	1W	
156.97	160.02	3.05	3.05	100	2.87	94	0R	4H	1W	
160.02	163.07	3.05	3.05	100	2.24	73	1R	3H	1W	
163.07	166.12	3.05	3.05	100	2.96	97	0R	3H	1W	
166.12	169.16	3.04	3.04	100	3.04	100	0R	4H	1W	
169.16	172.21	3.05	3.05	100	2.91	95	0R	3H	1W	
172.21	175.26	3.05	3.05	100	2.69	88	0R	3H	1W	
175.26	178.31	3.05	3.05	100	1.34	44	0R	3H	1W	
178.31	181.36	3.05	3.05	100	2.69	88	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	3.04	100	2.94	97	0R	3H	1W	
184.40	187.45	3.05	3.05	100	2.65	87	0R	3H	1W	
187.45	190.50	3.05	2.92	96	2.45	80	0R	4H	1W	
190.50	193.55	3.05	3.05	100	2.76	90	0R	4H	1W	
193.55	196.60	3.05	3.05	100	2.75	90	0R	4H	1W	
196.60	199.64	3.04	3.04	100	2.84	93	0R	4H	1W	
199.64	202.69	3.05	3.05	100	2.65	87	0R	4H	1W	
202.69	205.74	3.05	3.05	100	2.47	81	1R	4H	1W	
205.74	208.79	3.05	3.05	100	2.38	78	0R	4H	1W	
208.79	211.84	3.05	3.05	100	2.59	85	1R	4H	1W	
211.84	214.88	3.04	3.04	100	2.44	80	0R	4H	1W	
214.88	217.93	3.05	3.05	100	2.30	75	0R	4H	1W	
217.93	220.98	3.05	3.05	100	2.67	88	0R	3H	1W	
220.98	224.03	3.05	3.05	100	2.27	74	0R	4H	1W	
224.03	227.08	3.05	3.05	100	1.38	45	0R	4H	1W	
227.08	230.12	3.04	3.04	100	2.94	97	0R	4H	1W	
230.12	233.17	3.05	3.05	100	1.17	38	0R	4H	1W	
233.17	236.22	3.05	3	98	2.60	85	0R	4H	1W	
236.22	239.27	3.05	3.05	100	2.71	89	0R	4H	1W	
239.27	242.32	3.05	3.05	100	1.89	62	0R	4H	1W	
242.32	245.36	3.04	3.04	100	2.84	93	0R	5H	1W	
245.36	248.41	3.05	3.05	100	2.89	95	0R	5H	1W	
248.41	251.46	3.05	3.05	100	3.05	100	0R	4H	1W	
251.46	254.51	3.05	3.05	100	3.05	100	0R	4H	1W	
254.51	257.56	3.05	3.05	100	2.81	92	0R	4H	1W	
257.56	260.60	3.04	3.04	100	2.92	96	0R	4H	1W	
260.60	263.65	3.05	3.05	100	2.84	93	0R	4H	1W	
263.65	266.70	3.05	3.05	100	3.05	100	0R	4H	1W	
266.70	269.75	3.05	3.05	100	3.05	100	0R	3H	1W	
269.75	272.80	3.05	3.05	100	2.76	90	1R	3H	1W	
272.80	275.84	3.04	3.04	100	2.43	80	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
275.84	278.89	3.05	3.05	100	2.66	87	0R	4H	1W	
278.89	281.94	3.05	3.05	100	2.87	94	0R	4H	1W	
281.94	284.99	3.05	2.88	94	2.35	77	0R	4H	1W	
284.99	288.04	3.05	3.05	100	3.05	100	0R	4H	1W	
288.04	291.08	3.04	3.04	100	3.04	100	0R	4H	1W	

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.02	MBL	
2	0.06	MBL	
3	0.06	MBL	
4	0.1	MBL	
5	0.28	MBL	
6	1	MBL	
7	0.75	SKN	
8	7.6	SKN	
9	0.14	MBL	
10	18.1	SKN	
11	2.29	SKN	
12	0.06	SKN	
13	0.2	HBS	
14	4.65	SKN	
15	19.4	SKN	
16	6.99	SKN	
17	13.1	SKN	
18	2.11	SKN	
19	0.24	SKN	
20	4.18	SKN	
21	0.57	HBS	
22	0.73	HBS	
23	1.16	HBS	
24	0.77	HBS	
25	0.1	QTE	
26	0.09	QTE	
27	0.38	HBS	
28	1.14	HBS	
29	0.28	HBS	
30	0.28	HBS	
31	0.14	HBS	
32	0.38	HBS	
33	1.64	HBS	
34	0.77	HBS	
35	1.23	HBS	
36	0.9	HBS	
37	1.78	SKN	
38	0.32	HBS	
39	0.2	HBS	
40	0.06	HBS	
41	1.53	HBS	
42	14.25	SKN	
43	2.89	SKN	
44	2.02	HBS	
45	0.18	HBS	
46	0.16	HBS	
47	1.57	HBS	
48	0.55	HBS	
49	19	SKN	
50	0.28	SKN	
51	11.6	SKN	
52	1.66	SKN	
53	5.67	SKN	
54	0.32	SKN	
55	0.22	HBS	
56	0.36	HBS	
57	0.12	FFP	
58	0.1	FFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.1	FFP	
60	0.12	FFP	
61	1.18	SKN	
62	0.96	SKN	
63	1.49	SKN	
64	0.63	SKN	
65	1.49	SKN	
66	0.14	SKN	
67	1.49	SKN	
68	1.45	SKN	
69	1.53	SKN	
70	9.81	SKN	
71	1.8	SKN	
72	1.35	SKN	
73	0.53	SKN	
74	0.45	SKN	
75	0.38	SKN	
76	0.69	SKN	
77	0.34	SKN	
78	0.18	RHY	
79	0.18	RHY	
80	4.71	LST	
81	0.18	LST	
82	1.18	LST	
83	8.79	SKN	
84	1.45	HBS	
85	0.41	CSL	
86	0.16	GRD	
87	0.28	GRD	
88	0.24	GRD	
89	0.36	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	0.22	GRD	
91	0.18	GRD	
92	0.12	GRD	
93	0.14	GRD	
94	1.94	SKN	
95	2.15	SKN	
96	9.59	SKN	
97	0.32	SKN	
98	0.43	AND	
99	0.16	RHY	
100	0.1	RHY	
101	0.1	FAP	
102	1.16	FAP	
103	0.79	FAP	
104	1.41	FAP	
105	0.92	FAP	
106	0.47	FAP	
107	0.47	FAP	
108	0.73	FAP	
109	0.67	FAP	
110	0.96	FAP	
111	0.32	FAP	
112	0.26	FAP	
113	0.28	FAP	
114	0.26	FAP	
115	0.36	FAP	
116	0.98	SKN	
117	0.57	SKN	
118	0.08	MBL	
119	8.61	MBL	
120	0.49	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	49.6	SKN	
122	0.98	SKN	
123	0.63	SKN	
124	0.57	SKN	
125	6.6	SKN	
126	0.45	FAP	
127	0.32	FAP	
128	1.02	FAP	
129	0.53	FAP	
130	1.74	FAP	
131	0.94	FAP	
132	1.08	FAP	
133	0.41	FAP	
134	0.77	FAP	
135	1.33	FAP	
136	0.96	FAP	
137	2	FAP	
138	1.33	FAP	
139	0.47	FAP	
140	0.53	FAP	
141	0.51	FAP	
142	0.71	FAP	
143	0.38	FAP	
144	0.41	FAP	
145	0.63	FAP	
146	0.63	FAP	
147	3.28	FAP	
148	1.35	FAP	
149	0.98	FAP	
150	0.53	FAP	
151	0.53	FAP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
152	0.38	FAP	
153	0.94	FAP	
154	0.22	FAP	
155	0.96	FAP	
156	0.38	FAP	
157	0.96	FAP	
158	1.1	SKN	
159	0.67	SKN	
160	0.24	SKN	
161	0.3	FAP	
162	0.47	HBS	
163	0.24	SKN	
164	38.6	SKN	
165	8.73	HBS	
166	2.52	HBS	
167	1.96	HBS	
168	0.71	HBS	
169	1.98	HBS	
170	0.18	HBS	
171	0.3	HBS	
172	0.38	HBS	
173	0.2	HBS	
174	1	HBS	
175	4.87	HBS	
176	0.2	HBS	
177	0.98	HBS	
178	1.94	HBS	
179	0.53	HBS	
180	2.17	HBS	
181	1.49	HBS	
182	0.36	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	0.18	HBS	
184	0.65	HBS	
185	1.43	HBS	
186	48.7	SKN	
187	0.9	SKN	
188	2.19	HBS	
189	0.24	HBS	
190	0.1	HBS	
191	1.12	HBS	
192	0.53	HBS	
193	1.12	HBS	
194	0.53	HBS	
195	0.2	HBS	
196	0.84	HBS	
197	2.15	HBS	
198	0.32	HBS	
199	0.92	HBS	
200	0.41	HBS	
201	1.37	HBS	
202	0.45	HBS	
203	0.36	HBS	
204	0.22	FAP	
205	0.32	FAP	
206	0.28	FAP	
207	0.24	FAP	
208	0.22	FAP	
209	0.38	FAP	
210	0.2	FAP	
211	0.2	FAP	
212	0.18	FAP	
213	0.38	FAP	
214	0.22	FAP	
215	0.34	FAP	
216	0.49	FAP	
217	0.24	FAP	
218	0.3	FAP	
219	0.34	FAP	
220	0.67	FAP	
221	0.51	FAP	
222	0.71	FAP	
223	0.55	FAP	
224	0.18	FAP	
225	0.38	FAP	
226	0.14	HBS	
227	0.16	HBS	
228	2.31	HBS	
229	1.35	HBS	
230	0.9	HBS	
231	1.59	HBS	
232	0.38	HBS	
233	2.52	HBS	
234	0.12	HBS	
235	0.98	HBS	
236	0.51	HBS	
237	0.22	HBS	
238	1.18	HBS	
239	0.3	HBS	
240	0.71	HBS	
241	0.65	HBS	
242	0.71	HBS	
243	2.6	HBS	
244	1.78	QBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
245	0.38	QBS	
246	0.12	QBS	
247	0.73	QBS	
248	2.31	GRD	
249	16.4	QBS	
250	8.79	QBS	
251	0.38	QBS	
252	14.3	QBS	
253	2.21	QBS	
254	37.9	QBS	
255	3.64	HBS	
256	3.4	HBS	
257	0.88	HBS	
258	3.28	QBS	
259	6.68	QBS	
260	16.6	QBS	
261	0.45	QBS	
262	1.16	QBS	
263	0.2	QBS	
264	5.18	QBS	
265	0.57	QBS	
266	6.49	QBS	
267	0.28	QBS	
268	1.51	QBS	
269	0.14	HBS	
270	0.26	HBS	
271	0.24	HBS	
272	0.26	HBS	
273	0.18	HBS	
274	0.3	HBS	
275	0.16	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
276	26.6	HBS	
277	13.9	HBS	
278	0.59	HBS	
279	15.7	QBS	
280	12	QBS	
281	0.67	QBS	
282	1.98	QBS	
283	2.74	QBS	
284	0.1	QBS	
285	0.86	HBS	
286	0.57	HBS	
287	0.36	HBS	
288	0.61	HBS	
289	0.18	HBS	
290	0.16	HBS	
291	10.6	QBS	

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	S052833	☐	B00-003	Batch 3		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052839	☐	B00-003	Batch 3	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052843	☐	B00-003	Batch 3		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052864	☐	B00-004	Batch 4	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052825	☐	B00-003	Batch 3	ME-15	☐	☐	☐
6.88	8.58	1.70	SKN, MBL	1.70	100	S052816	☐	B00-002	Batch 2		☐	☐	☐
9.10	11.31	2.21	SKN, MBL	2.21	100	S052817	☐	B00-002	Batch 2		☐	☐	☐
11.31	12.52	1.21	SKN	1.21	100	S052818	☐	B00-002	Batch 2		☐	☐	☐
13.38	16.38	3.00	SKN, HBS	3.00	100	S052819	☐	B00-002	Batch 2		☐	☐	☐
16.38	17.63	1.25	SKN	1.25	100	S052820	☐	B00-002	Batch 2		☐	☐	☐
17.63	19.50	1.87	SKN	1.87	100	S052821	☐	B00-002	Batch 2		☐	☐	☐
19.50	20.55	1.05	SKN	1.05	100	S052822	☐	B00-002	Batch 2		☐	☐	☐
36.57	38.74	2.17	HBS, SKN	2.17	100	S052823	☐	B00-003	Batch 3		☐	☐	☐
41.04	43.84	2.80	SKN, HBS	2.80	100	S052824	☐	B00-003	Batch 3		☐	☐	☐
48.13	50.29	2.16	SKN, HBS	2.16	100	S052826	☐	B00-003	Batch 3		☐	☐	☐
50.29	52.00	1.71	SKN	1.55	91	S052827	☐	B00-003	Batch 3		☐	☐	☐
52.00	54.27	2.27	SKN	2.03	89	S052828	☐	B00-003	Batch 3		☐	☐	☐
59.60	62.60	3.00	SKN, FFP	2.44	81	S052829	☐	B00-003	Batch 3		☐	☐	☐
62.60	65.60	3.00	SKN	2.86	95	S052830	☐	B00-003	Batch 3		☐	☐	☐
62.60	65.60	3.00	SKN	2.86	95	S052831	☐	B00-003	Batch 3		☐	☑	☐
65.60	68.60	3.00	SKN	3.00	100	S052832	☐	B00-003	Batch 3		☐	☐	☐
68.60	71.60	3.00	SKN	3.00	100	S052834	☐	B00-003	Batch 3		☐	☐	☐
71.60	74.62	3.02	SKN	3.02	100	S052835	☐	B00-003	Batch 3		☐	☐	☐

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
74.62	77.09	2.47	SKN	2.47	100	S052836	☐	B00-003	Batch 3		☐	☐	☐
77.09	79.77	2.68	RHY, SKN	2.68	100	S052837	☐	B00-003	Batch 3		☐	☐	☐
79.77	82.21	2.44	LST, RHY	2.44	100	S052838	☐	B00-003	Batch 3		☐	☐	☐
82.21	83.53	1.32	LST, SKN	1.32	100	S052840	☐	B00-003	Batch 3		☐	☐	☐
93.73	96.24	2.51	SKN	2.51	100	S052841	☐	B00-003	Batch 3		☐	☐	☐
96.24	97.24	1.00	SKN	1.00	100	S052842	☐	B00-003	Batch 3		☐	☐	☐
115.37	117.12	1.75	SKN, FAP	1.75	100	S052844	☐	B00-003	Batch 3		☐	☐	☐
117.12	119.95	2.83	MBL, SKN	2.83	100	S052845	☐	B00-003	Batch 3		☐	☐	☐
117.12	119.95	2.83	MBL, SKN	2.83	100	S052846	☐	B00-003	Batch 3		☐	☐	☑
119.95	120.95	1.00	SKN, MBL	1.00	100	S052847	☐	B00-003	Batch 3		☐	☐	☐
120.95	123.95	3.00	SKN	3.00	100	S052848	☐	B00-003	Batch 3		☐	☐	☐
123.95	125.18	1.23	SKN	1.23	100	S052849	☐	B00-003	Batch 3		☐	☐	☐
126.76	127.76	1.00	FAP	1.00	100	S052850	☐	B00-003	Batch 3		☐	☐	☐
157.14	158.24	1.10	SKN, FAP	1.10	100	S052851	☐	B00-003	Batch 3		☐	☐	☐
158.24	160.38	2.14	SKN	2.14	100	S052852	☐	B00-003	Batch 3		☐	☐	☐
161.27	162.45	1.18	HBS, FAP	1.18	100	S052853	☐	B00-003	Batch 3		☐	☐	☐
162.45	164.56	2.11	HBS, SKN	2.11	100	S052854	☐	B00-003	Batch 3		☐	☐	☐
173.50	175.77	2.27	HBS	2.27	100	S052855	☐	B00-003	Batch 3		☐	☐	☐
175.77	177.22	1.45	HBS	1.45	100	S052856	☐	B00-003	Batch 3		☐	☐	☐
185.96	187.56	1.60	SKN, HBS	1.60	100	S052857	☐	B00-003	Batch 3		☐	☐	☐
232.39	233.39	1.00	HBS	1.00	100	S052858	☐	B00-003	Batch 3		☐	☐	☐
269.75	271.80	2.05	HBS	2.05	100	S052859	☐	B00-004	Batch 4		☐	☐	☐
271.80	273.86	2.06	HBS	2.06	100	S052860	☐	B00-004	Batch 4		☐	☐	☐

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
277.75	278.75	1.00	HBS	1.00	100	S052861	☐	B00-004	Batch 4		☐	☐	☐
283.43	284.74	1.31	QBS	1.15	88	S052862	☐	B00-004	Batch 4		☐	☐	☐
287.55	290.00	2.45	HBS	2.45	100	S052863	☐	B00-004	Batch 4		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-003	S052825	0.00	0.00	1.34	555		62	2.1	☐	☐	☐	☑ ME-15	
B00-003	S052833	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-003	S052839	0.00	0.00	1.35	139		30	2.6	☐	☐	☐	☑ ME-16	
B00-003	S052843	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-004	S052864	0.00	0.00	1.40	533		72	1.9	☐	☐	☐	☑ ME-15	
B00-002	S052816	6.88	8.58	0.05	29		0	0.0	☐	☐	☐	☐	
		8.58	9.10						☐	☐	☐	☐	
B00-002	S052817	9.10	11.31	0.13	20		0	0.0	☐	☐	☐	☐	
B00-002	S052818	11.31	12.52	0.03	2		0	0.0	☐	☐	☐	☐	
		12.52	13.38						☐	☐	☐	☐	
B00-002	S052819	13.38	16.38	0.04	11		0	0.0	☐	☐	☐	☐	
B00-002	S052820	16.38	17.63	0.02	1		0	0.0	☐	☐	☐	☐	
B00-002	S052821	17.63	19.50	0.03	3		0	0.0	☐	☐	☐	☐	
B00-002	S052822	19.50	20.55	0.09	3		0	0.1	☐	☐	☐	☐	
		20.55	36.57						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-003	S052823	36.57	38.74	0.06	2		0	0.5	☐	☐	☐	☐	
		38.74	41.04						☐	☐	☐	☐	
B00-003	S052824	41.04	43.84	0.05	4		1	0.3	☐	☐	☐	☐	
		43.84	48.13						☐	☐	☐	☐	
B00-003	S052826	48.13	50.29	0.03	2		0	0.4	☐	☐	☐	☐	
B00-003	S052827	50.29	52.00	0.02	5		1	0.3	☐	☐	☐	☐	
B00-003	S052828	52.00	54.27	0.02	2		0	0.4	☐	☐	☐	☐	
		54.27	59.60						☐	☐	☐	☐	
B00-003	S052829	59.60	62.60	0.00	3		1	0.2	☐	☐	☐	☐	
B00-003	S052830	62.60	65.60	0.07	4		1	0.3	☐	☐	☐	☐	
B00-003	S052831	62.60	65.60	0.03	3		1	0.3	☑	☐	☐	☐	
B00-003	S052832	65.60	68.60	0.32	4		2	0.1	☐	☐	☐	☐	
B00-003	S052834	68.60	71.60	0.04	14		1	0.0	☐	☐	☐	☐	
B00-003	S052835	71.60	74.62	0.04	6		1	0.1	☐	☐	☐	☐	
B00-003	S052836	74.62	77.09	0.01	6		1	0.2	☐	☐	☐	☐	
B00-003	S052837	77.09	79.77	0.01	2		1	0.2	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-003	S052838	79.77	82.21	0.01	3		1	0.2	☐	☐	☐	☐	
B00-003	S052840	82.21	83.53	0.04	4		1	0.2	☐	☐	☐	☐	
		83.53	93.73						☐	☐	☐	☐	
B00-003	S052841	93.73	96.24	0.09	8		0	0.1	☐	☐	☐	☐	
B00-003	S052842	96.24	97.24	0.01	2		1	0.1	☐	☐	☐	☐	
		97.24	######						☐	☐	☐	☐	
B00-003	S052844	115.37	117.12	0.02	10		0	0.2	☐	☐	☐	☐	
B00-003	S052845	117.12	119.95	0.01	4		0	0.2	☐	☐	☐	☐	
B00-003	S052846	117.12	119.95	0.01	4		1	0.2	☐	☑	☐	☐	
B00-003	S052847	119.95	120.95	0.56	3		1	0.4	☐	☐	☐	☐	
B00-003	S052848	120.95	123.95	0.04	7		1	0.1	☐	☐	☐	☐	
B00-003	S052849	123.95	125.18	0.09	3		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-003	S052850	126.76	127.76	0.10	2		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-003	S052851	157.14	158.24	0.10	2		0	0.4	☐	☐	☐	☐	
B00-003	S052852	158.24	160.38	0.02	1		1	0.3	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		######	######						☐	☐	☐	☐	
B00-003	S052853	161.27	162.45	0.01	3		0	0.5	☐	☐	☐	☐	
B00-003	S052854	162.45	164.56	0.06	3		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-003	S052855	173.50	175.77	0.00	0		0	0.9	☐	☐	☐	☐	
B00-003	S052856	175.77	177.22	0.00	0		0	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-003	S052857	185.96	187.56	0.08	1		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-003	S052858	232.39	233.39	0.04	1		0	0.7	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-004	S052859	269.75	271.80	0.01	14		1	0.4	☐	☐	☐	☐	
B00-004	S052860	271.80	273.86	0.00	18		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-004	S052861	277.75	278.75	0.00	9		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-004	S052862	283.43	284.74	0.02	11		1	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-004	S052863	287.55	290.00	0.00	17		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
9.50	9.51	VT	37	30	NUL	1	Calcite veinlet cutting skarn			
								--	0	---
14.50	14.55	VT	37	20	NUL	1	Calcite veinlet weakly oxidized			
								--	0	---
16.00	16.02	VT	37	70	NUL	1	Pyrrhotite veinlet within skarn			
								Po	5	BL
17.20	17.25	VN	37	35	NUL	1	1 cm wide calcite vein hosting blebby pyrrhotite, pyrite and chalcopyrite			
								Cp	1	BL
								Py	1	BL
								Po	5	BL
18.80	18.85	VN	37	20	NUL	1	Garnet-chlorite vein 2 cm wide			
								--	0	---
27.40	27.45	FR	5	35	NUL	1	Strongly oxidized fracture			
								--	0	---
30.40	30.50	FR	5	15	NUL	1	Strongly oxidized fracture			
								--	0	---
39.60	39.61	VT	37	30	NUL	1	Strongly oxidized veinlet, non-calcareous			
								--	0	---
48.60	48.62	bn		85	NUL	1	Approximately 0.5 cm wide pyrrhotite-chalcopyrite band			
								Cp	1	BL
								Po	10	BL
49.70	49.72	bn		88	NUL	1	1 cm wide pyrrhotite band			
								Po	20	BL
50.60	50.65	bn		80	NUL	3	Irregular bands of magnetite			
								--	0	---
51.90	51.95	bn		85	NUL	1	Irregular bands of magnetite.			
								--	0	---
65.45	65.47	VT	37	55	NUL	1	Chlorite seam			
								--	0	---
68.85	68.88	VT	37	50	NUL	1	Calcite veinlet			
								--	0	---

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
71.40	71.45	bn		70	NUL	1	Magnetite-quartz band within skarn - alternating banded quartz-magnetite approximately 50-50 with magnetite bands up to 1.5 cm.			
								--	0	---
80.77	80.78	bn		85	NUL	1	Dark grey band within marble			
								--	0	---
82.80	82.82	VN	37	85	NUL	1	Light to medium grey quartz vein within skarn			
								--	0	---
89.00	89.50	VT	37	5	NUL	1	Chlorite veinlet			
								--	0	---
90.71	92.00	VT	37	30	NUL	6	Quartz veinlets			
								--	0	---
106.80	110.00	FR	5	30	NUL	3	Fracture within feldspar andesite porphyry weakly oxidized			
								--	0	---
120.40	120.91	VT	37	5	NUL	1	Moly filled fracture with intensely mineralized diopside-pyrrhotite skarn.			
121.97	121.99	VT	37	20	NUL	1	Calcite-chlorite veinlet within skarn			
								--	0	---
124.60	124.62	VT	37	20	NUL	1	chlorite-chalcopyrite-pyrrhotite filled positive flower structure.			
								--	0	---
125.90	126.30	VT	37	10	NUL	1	Pyrrhotite-chalcopyrite-pyrite veinlet within bleached feldspar andesite porphyry.			
								--	0	---
127.40	127.55	BX	34	25	NUL	1	Breccia within FAP dyke with FAP matrix with bleached light green fine grained angular clasts hosting strong chalcopyrite-pyrite within bleached areas. Clasts up to 3 x 2 cm.			
								--	0	---
127.80	127.90	VN	37	20	NUL	1	Light grey quartz vein.			
								--	0	---
129.60	133.10	bn		60	NUL	1	Bleached bands with trace blebbpy pyrite and chalcopyrite.			
								Cp	0.01	BL
								Py	0.01	BL
134.40	137.50	FR	5	65	NUL	1	Fracture set within medium grained FAP.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								--	0	---
140.40	140.41	FR	5	50	NUL	1	Quartz along fracture of coarse grained FAP			
								--	0	---
142.30	142.35	VT	37	40	NUL	1	Light grey oxidized veinlet.			
								--	0	---
151.40	151.42	VN	37	40	NUL	1	2 cm wide white quartz vein with coarse grained crystals fill fractures.			
								--	0	---
161.70	161.72	VN	37	80	NUL	1	Hornfels-biotite schist bands.			
								--	0	---
162.30	162.38	FR	5	5	NUL	1	Medium grained pyrite blebs on fracture within hornfels-bioitite schist.			
								--	0	---
162.80	162.90	bn		50	NUL	1	Hornfels-biotite schist band			
								--	0	---
167.12	167.14	bn		75	NUL	1	HBS band			
								--	0	---
169.25	169.35	VT	37	15	NUL	1	Chlorite veinlet bleached selvages within HBS			
								--	0	---
173.40	173.43	bn		75	NUL	1	2 cm epidote band witin HBS.			
								--	0	---
187.35	187.38	bn		90	NUL	1	2 cm wide garnet band within pyroxene>garnet skarn.			
								--	0	---
187.90	188.20	VT	37	10	NUL	1	Chlorite veinlet bleaching HBS on its selvages for about 2 cm.			
								--	0	---
204.10	204.12	VN	37	50	NUL	1	Quartz-carb vein cutting granodiorite.			
								--	0	---
211.42	211.71	BX	34	10	NUL	1	Quartz-carb veins with calcite filling milky white subangular fragments within sericite altered FAP			
								Py	1	BL
217.30	217.35	BX	34	5	NUL	1	2 cm quartz veins rimmed by about 0.5 mm of calcite with subangular clasts of sericite altered FAP. Seams of dark grey quartz hosting fine grained pyrite along selvages.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								--	0	---
218.00	220.00	FR	5	40	NUL	8	Fracture within FAP			
								--	0	---
223.60	223.65	VN	37	5	NUL	1	Quartz-carb veins up to 1 cm within strongly sericite atlered FAP.			
								--	0	---
233.30	233.40	VT	37	5	NUL	1	Chlorite seams within strongly silicified HBS.			
244.90	244.95	VT	37	20	NUL	1	Chlorite veinlet hosting moderate fine grained pyrite.			
								Py	1	BL
247.80	247.82	VN	37	70	NUL	1	1 cm wide grey quartz vein.			
								--	0	---
251.81	251.84	VN	37	70	NUL	1	Grey quartz vein hosting trace fine grained pyrite.			
								--	0	---
262.50	262.70	VT	37	5	NUL	1	Chlorite-pyrite sinuous veinlet.			
								Py	1	BL
263.65	263.80	VN	37	5	NUL	1	Chlorite-quartz-pyrite vein 1 cm wide.			
								Py	1	BL
267.90	267.95	bn		75	NUL	1	Strongly sericite altered band within diorite.			
								--	0	---
269.80	274.00	VN	37	5	NUL	4	1 cm to 3 cm light grey to white quartz vein+/- calcite selvages with dark grey fine grained sulphides and fine to medium grained pyrite blebs. Quartz crystals up to 2 x 2 cm. Minor ankerite is found locally. Appears to be 2 different episodes, one with light grey crystalline quartz and another of milky white quartz on selvages.			
								Py	0.1	BL
284.10	284.20	VN	37	30	NUL	1	2 cm light grey crystalline quartz vein with 1 mm calcite and dark grey very fine grained sulphide selvages. Quartz vein also hosts perpendicular fracture seams filled with fine grained disseminated pyrite. Vein alters host rock into strong chlorite-sericite and strong clay adjacent to vein.			
								Py	0.1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
287.80	288.05	VN	37	10	NUL	1	Light grey to white 2 cm wide quartz vein with dark grey quartz vein forms a spur off the main vein and is 0.5 cm wide.			
								--	0	---

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		396985	6794771	1135	163.07

ZONE: Hopper

SECTION:

HOLE: HOP-16-012

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 09 - Sep 11, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
7.62	268.2	-69.2	Reflex
163.06	280.8	-65.2	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.5	0.5	OVB
0.5	4.02	3.52	MBL
4.02	14.95	10.93	SKN
14.95	16.34	1.39	MBL
16.34	32.22	15.88	HBS
32.22	32.67	0.45	SKN
32.67	34.65	1.98	HBS
34.65	37.07	2.42	SKN
37.07	38.72	1.65	HBS
38.72	40.19	1.47	QTE
40.19	42.21	2.02	QTE
42.21	46.63	4.42	HBS
46.63	46.79	0.16	QFP
46.79	48.76	1.97	FAP
48.76	59.27	10.51	FAP
59.27	60.42	1.15	SKN

SAMPLES	
Numbers:	S052865 to S052881
Total:	17
Batch:	004
Certificates:	WH16156862

COMMENTS

60.42	62.17	1.75	MBL
62.17	63.28	1.11	QBS
63.28	67.3	4.02	QBS
67.3	71	3.7	HBS
71	72.75	1.75	LST
72.75	76.1	3.35	SKN
76.1	82.24	6.14	HBS
82.24	84.06	1.82	QBS
84.06	85.48	1.42	MBL
85.48	87.82	2.34	SKN
87.82	92.6	4.78	SKN
92.6	99.56	6.96	RHY
99.56	100.64	1.08	INT
100.64	163.07	62.43	GRD

Box Log

HOP-16-012

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.8
2	5.8	10.08
3	10.08	14.01
4	14.01	18.33
5	18.33	22.57
6	22.57	26.69
7	26.69	31.04
8	31.04	35.25
9	35.25	39.7
10	39.7	43.96
11	43.96	48.16
12	48.16	52.47
13	52.47	56.86
14	56.86	61.23
15	61.23	65.53
16	65.53	69.45
17	69.45	73.97
18	73.97	78.05
19	78.05	82.48
20	82.48	86.77
21	86.77	91.03
22	91.03	95.31
23	95.31	99.52
24	99.52	103.42
25	103.42	107.5
26	107.5	111.25
27	111.25	116.07
28	116.07	120.4
29	120.4	124.36
30	124.36	128.54
31	128.54	132.71
32	132.71	137.21
33	137.21	141.31
34	141.31	145.53
35	145.53	150
36	150	154.17
37	154.17	158.39
38	158.39	162.59
39	162.59	163.07

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.50	4.02	3.52	MBL	MG	Well banded, light grey to white to light green marble. Minor intermittent dark grey to medium grey to dark purple hornfels biotite schist. Much of interval is moderately oxidized (fractures and on core surface. Rubbly sections.							
						LT	GY	BD	SIL	2I		
						LT	WH		OXI	2I		
						LT	GN					
4.02	14.95	10.93	SKN	MG	Mottled to massive pyroxene=garnet skarn. Pyrrhotite is found in patches periodically throughout the interval, along with blebby chalcopyrite on its selveges. Locally, garnets are altered to chlorite. Minor MF associated with with pyrrhotite, but trace. Chalcopyrite lies in both pyroxene and garnet and usually found in blebs and stringers +- pyrite, pyrrhotite, mt. Pyrite appears to be weathered into soft tan coloured mineral.							
						MD	GN	MA	CHL	2I	Po	2
						LT	PK		EPI	1I		
						DK	GN	Mo	OXI	1I	Cp	0.5
14.95	16.34	1.39	MBL	MG	Massive light grey marble with intermittent mottled pyroxene=garnet. Garnet + pyroxene-actinolite skarn. Minore oxidation stain on core with the marble unit, with limestone in the centre of the interval.							
						LT	GY	MA	OXI	1I		
						LT	WH		SIL	1I		
16.34	32.22	15.88	HBS	FG	Well foliated dark grey to light greey to grey hornfels biotite schist. Oxide stain on core locally and along fractures. Locally strong silica altered. Some intervals up to 4m are modeate to strong chlorite and serecite altered with biotite, chlorite, serecite with minor ankerite along foliations. Stringers found pervasively and are generally oxidized .							
						MD	GY		SIL	1I		
						DK	GY	FO	OXI	1I		
									CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.22	32.67	0.45	SKN	FG	Mottled medium green to light pink pyroxene=garnet skarn. Minor chlorite alteration and weak pyrrhotite found as disseminated blebs.							
						MD	GN	Mo	CHL	1I	Po	0.5
						LT	PK					
32.67	34.65	1.98	HBS	FG	Well foliated grey to medium grey hornfels biotite schist. Minor oxidation stain on surface of core and on fractures and along seams. Large garnets up to 1cm found along foliation.							
						MD	GY					
						DK	GY		SIL	2I		
						DK	PK					
34.65	37.07	2.42	SKN	FG	massive to banded spotted pyroxene>garnet skarn with mottled texture and black bands of biotite within. Dissemianted pyrrhotite found in blebs within. Medium to light green with small patches of oxidation within.							
						MD	GY					
						MD	GN					
						DK	GN	Mo	OXI	1I		
37.07	38.72	1.65	HBS	FG	Strongly foliated dark grey hornfels biotite schist with sporadic quartz veining. Patchy oxidation found within bands throuhgout, with moderate oxidation around carbonate veining found within. Minor pyrrhotite and pyrite found disseminated within							
						MD	GY				Py	1
						MD	OR					
						DK	GY	FO	OXI	2I	Po	1
38.72	40.19	1.47	QTE	MG	Quartzite zone with pervasive patches of oxidation and carbonate stringers (~1cm) that have undergone oxidation.							
						MD	WH		OXI	2I		
						MD	OR					
40.19	42.21	2.02	QTE	FG	Quartzite with foliated biotite bands within. Patches of oxidation staining found within.							
						LT	WH		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
42.21	46.63	4.42	HBS	FG	Foliated hornfels-biotite schist with oxidation staining found throughout. Minor quartz present. Colour alternates between medium, dark, light green, and medium orange. 5cm quartzite bleby found along lower selvege.							
						MD	GY					
						LT	OR					
						LT	GN				Ak	2
46.63	46.79	0.16	QFP	FG	Brown to green to pink fine grainedquartz feldspar porphyry dyke with small white clasts within.							
						LT	GN	PO				
						LT	PK					
						LT	BR					
46.79	48.76	1.97	FAP	FG	Fine grained andesite porphyry dyke with carbonate stringers within. Carbonate/quartz vein ~6cm crosscutting dyke. Dyke carries quartz flooding along a lower half of the core from 46.79-48.00m. Weak oxidation found along carbonate quartz veinlets and stringers.							
						DK	GY	PO				
48.76	59.27	10.51	FAP	FG	Light grey to green fine grained feldspar andesite poprhyry dyke with minor carbonate vienlets found within displaying oxidation staining.							
						LT	GY	PO	OXI	1I		
						LT	GN					
59.27	60.42	1.15	SKN	MG	Light to medium green to medium pink pyroxene > garnet skarn. Disseminated pyrrrhotite (non magnetic) disseminated throughout, along with minor carbonate stringers within. Texture is slightly mottled. Garnet alteration is sporadic throughout, found more prominantly along outer edges of core.							
						MD	PK					
						MD	GN					
						LT	GN	Mo			Po	3
60.42	62.17	1.75	MBL	FG	Light green to white marble with very weak bioite foliation found intermittently within, and minor quartz veinlets.							
						LT	GN					
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
62.17	63.28	1.11	QBS	MG	Dark grey to light green hornfels-biotite schist with massive strongly foliated biotite bands within. Quartz veinlets found sporadically within interval, with small intervals of light green alteration (chlorite?)							
						LT	GN	FO	CHL	2I		
						DK	GY	BN				
63.28	67.30	4.02	QBS	FG	Weakly foliated quartz-biotite schist with white quartz veinlets (no reaction to acid, or typical marble colours) intermittently throughout. Light green stringers of epidote enveloped by tan coloured alteration halos 1-2cm wide present within. Oxidation present as a stain within stringer veining and within close proximity. ~90cm interval of light green to white QBS with large foliated biotite and patchy light green chlorite alteration found within.							
						MD	GY					
						LT	GN	FO	CHL	1I		
						LT	WH					
						DK	GY					
67.30	71.00	3.70	HBS	MG	Weakly foliated quartz biotite schist found with marble (white to light greenish) intermittently throughout giving QBS a banded like appearance. QBS foliation gets sporadically stronger towards the centre of the interval, carrying zones hosting blebby pyrrhotite and minor blebs of chalcopyrite where foliation and QBS presence is stronger.							
						MD	BL	FO			Cp	1
						MD	GY	BN			Po	2
						LT	WH					
						LT	GN					
71.00	72.75	1.75	LST	FG	light green to white limestone (fizzes strongly with acid) with sporadic bands of foliated biotite schist within							
						MD	BL					
						LT	WH	FO				
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
72.75	76.10	3.35	SKN	FG	Light to medium green pyroxene skarn (pyroxene >> garnet) with a 27cm quartz/carbonate vein crosscutting within. Skarn is weakly mottled with little to no garnet alteration (~5%). Magnetic pyrrhotite present, along with chalcopyrite in sporadic blebs throughout. Minor patchy chlorite alteration seen sporadically within.							
						MD	PK					
						MD	GN				Cp	0.5
						LT	GN	Mo	CHL	1I	Po	2
76.10	82.24	6.14	HBS	FG	Strongly foliated dark grey biotite schist with patch small garnets present within biotite foliation. Minor serecite present, along with patchy oxidation staining. Marble interval from 77.55-78.09 fo0und within, with foliated green to black chlorite/actinolite. Pyrrhotite found in association with chlorite/actinolite formation.							
						MD	GY	FO	OXI	1I	Po	1
						LT	GN					
82.24	84.06	1.82	QBS	FG	White to light green quartz with bands of biotite displaying strong foliation within. Quartz stringers present sporadically throughout, along with a small band of light to medium green pyroxene within.							
						LT	GN	FO				
						LT	BL					
						LT	WH					
84.06	85.48	1.42	MBL	FG	Marble that displays medium to ligh green pyroxene alteration/replacement through most of interval.							
						MD	GN					
						LT	GN					
85.48	87.82	2.34	SKN	FG	Light green to medium pink pyroxene >= garnet (slightly greater than). Skarn hosts pyrrhotite, and minor chalcopyrite in minor patchy disseminations throughout. Slightly mottled texture present, with small sporadic carbonate stringers found within. Chalcopyrite mineralization typically found within both garnet and pyroxene skarn regions, but most heavily concentrated in areas of pyroxene/garnet boundaries and mixing.							
						MD	GN				Cp	1
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	Mo			Po	1
87.82	92.60	4.78	SKN	FG	light green pyroxene skarn alternating with quartz (found in quartz flooded textures) and small quartz veins. No garnet type present, or any evidence of mineralization. Foliated texture within pyroxene present around quartz blebs. Lenses of marble ranging from 5-20 cm wide found within. Minor chlorite alteration and stringers present sporadically throughout.							
						MD	GN					
						LT	GN	FO	CHL	1I	Cp	0.5
						LT	GY				Po	0.5
92.60	99.56	6.96	RHY	FG	Dark grey intrusive dyke with sporadic carbonate veining throughout. Actinolite and epidote blebs present throughout, along with white clasts within.							
						DK	GY					
99.56	100.64	1.08	INT	FG	Intermediate dyke between dark grey intrusive dyke with epidote clasts, and light to medium grey Hopper Pluton granodiorite. Alternating between light and dark grey colours with fine grained matrix.							
						LT	GY					
						DK	GY					
100.64	163.07	62.43	GRD	MG	Light to medium grey Hopper Pluton granodiorite with white and black pepper matrix (quartz/biotite). Weak oxidation present along fractures. Rock very hard and competent throughout entire interval. Contains small sporadic patches of argillic alteration (?), where clasts have swelled and rock has become slightly softer. Clast change to green within these zones suggests possible chloritization?.							
						MD	GY					
						LT	GN					
						LT	GY		CHL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.50	4.02	3.52	MBL	MG	Well banded, light grey to white to light green marble. Minor intermittent dark grey to medium grey to dark purple hornfels biotite schist. Much of interval is moderately oxidized (fractures and on core surface. Rubbly sections.							
						LT	GY	BD	SIL	2I		
						LT	WH		OXI	2I		
						LT	GN					
4.02	14.95	10.93	SKN	MG	Mottled to massive pyroxene=garnet skarn. Pyrrhotite is found in patches periodically throughout the interval, along with blebby chalcopyrite on its selveges. Locally, garnets are altered to chlorite. Minor MF associated with with pyrrhotite, but trace. Chalcopyrite lies in both pyroxene and garnet and usually found in blebs and stringers +- pyrite, pyrrhotite, mt. Pyrite appears to be weathered into soft tan coloured mineral.							
						MD	GN	MA	CHL	2I	Po	2
						LT	PK		EPI	1I		
						DK	GN	Mo	OXI	1I	Cp	0.5
14.95	16.34	1.39	MBL	MG	Massive light grey marble with intermittent mottled pyroxene=garnet. Garnet + pyroxene-actinolite skarn. Minore oxidation stain on core with the marble unit, with limestone in the centre of the interval.							
						LT	GY	MA	OXI	1I		
						LT	WH		SIL	1I		
16.34	32.22	15.88	HBS	FG	Well foliated dark grey to light greey to grey hornfels biotite schist. Oxide stain on core locally and along fractures. Locally strong silica altered. Some intervals up to 4m are modeate to strong chlorite and serecite altered with biotite, chlorite, serecite with minor ankerite along foliations. Stringers found pervasively and are generally oxidized .							
						MD	GY		SIL	1I		
									CHL	2I		
						DK	GY	FO	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.22	32.67	0.45	SKN	FG	Mottled medium green to light pink pyroxene=garnet skarn. Minor chlorite alteration and weak pyrrhotite found as disseminated blebs.							
						LT	PK					
						MD	GN	Mo	CHL	1I	Po	0.5
32.67	34.65	1.98	HBS	FG	Well foliated grey to medium grey hornfels biotite schist. Minor oxidation stain on surface of core and on fractures and along seams. Large garnets up to 1cm found along foliation.							
						DK	GY		SIL	2I		
						DK	PK					
						MD	GY					
34.65	37.07	2.42	SKN	FG	massive to banded spotted pyroxene>garnet skarn with mottled texture and black bands of biotite within. Dissemianted pyrrhotite found in blebs within. Medium to light green with small patches of oxidation within.							
						MD	GN					
						MD	GY					
						DK	GN	Mo	OXI	1I		
37.07	38.72	1.65	HBS	FG	Strongly foliated dark grey hornfels biotite schist with sporadic quartz veining. Patchy oxidation found within bands throuhgout, with moderate oxidation around carbonate veining found within. Minor pyrrhotite and pyrite found disseminated within							
						MD	GY				Py	1
						MD	OR					
						DK	GY	FO	OXI	2I	Po	1
38.72	40.19	1.47	QTE	MG	Quartzite zone with pervasive patches of oxidation and carbonate stringers (~1cm) that have undergone oxidation.							
						MD	WH		OXI	2I		
						MD	OR					
40.19	42.21	2.02	QTE	FG	Quartzite with foliated biotite bands within. Patches of oxidation staining found within.							
						LT	WH		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
42.21	46.63	4.42	HBS	FG	Foliated hornfels-biotite schist with oxidation staining found throughout. Minor quartz present. Colour alternates between medium, dark, light green, and medium orange. 5cm quartzite bleby found along lower selvege.							
						LT	OR					
						MD	GY					
						LT	GN				Ak	2
46.63	46.79	0.16	QFP	FG	Brown to green to pink fine grainedquartz feldspar porphyry dyke with small white clasts within.							
						LT	BR					
						LT	PK					
						LT	GN	PO				
46.79	48.76	1.97	FAP	FG	Fine grained dark grey intrusive porphyry dyke with carbonate stringers within. Carbonate/quartz vein ~6cm crosscutting dyke. Dyke carries quartz flooding along a lower half of the core from 46.79-48.00m. Weak oxidation found along carbonate quartz veinlets and stringers.							
						DK	GY	PO				
48.76	59.27	10.51	FAP	FG	Light grey to green fine grained feldspar andesite poprhyry dyke with minor carbonate vienlets found within displaying oxidation staining.							
						LT	GY	PO	OXI	1I		
						LT	GN					
59.27	60.42	1.15	SKN	MG	Light to medium green to medium pink pyroxene > garnet skarn. Disseminated pyrrrhotite (non magnetic) disseminated throughout, along with minor carbonate stringers within. Texture is slightly mottled. Garnet alteration is sporadic throughout, found more prominantly along outer edges of core.							
						MD	PK					
						LT	GN	Mo			Po	3
						MD	GN					
60.42	62.17	1.75	MBL	FG	Light green to white marble with very weak bioite foliation found intermittently within, and minor quartz veinlets.							
						LT	GN					
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
62.17	63.28	1.11	QBS	MG	Dark grey to light green hornfels-biotite schist with massive strongly foliated biotite bands within. Quartz veinlets found sporadically within interval, with small intervals of light green alteration (chlorite?)							
						LT	GN	FO	CHL	2I		
						DK	GY	BN				
63.28	67.30	4.02	QBS	FG	Weakly foliated quartz-biotite schist with white quartz veinlets (no reaction to acid, or typical marble colours) intermittently throughout. Light green stringers of epidote enveloped by tan coloured alteration halos 1-2cm wide present within. Oxidation present as a stain within stringer veining and within close proximity. ~90cm interval of light green to white QBS with large foliated biotite and patchy light green chlorite alteration found within.							
						LT	GN	FO	CHL	1I		
						LT	WH					
						MD	GY					
						DK	GY					
67.30	71.00	3.70	HBS	MG	Weakly foliated quartz biotite schist found with marble (white to light greenish) intermittently throughout giving QBS a banded like appearance. QBS foliation gets sporadically stronger towards the centre of the interval, carrying zones hosting blebby pyrrhotite and minor blebs of chalcopyrite where foliation and QBS presence is stronger.							
						MD	BL	FO			Cp	1
						MD	GY	BN			Po	2
						LT	WH					
						LT	GN					
71.00	72.75	1.75	LST	FG	light green to white limestone (fizzes strongly with acid) with sporadic bands of foliated biotite schist within							
						LT	WH	FO				
						LT	GN					
						MD	BL					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
72.75	76.10	3.35	SKN	FG	Light to medium green pyroxene skarn (pyroxene >> garnet) with a 27cm quartz/carbonate vein crosscutting within. Skarn is weakly mottled with little to no garnet alteration (~5%). Magnetic pyrrhotite present, along with chalcopyrite in sporadic blebs throughout. Minor patchy chlorite alteration seen sporadically within.							
						MD	GN				Cp	0.5
						LT	GN	Mo	CHL	1I	Po	2
						MD	PK					
76.10	82.24	6.14	HBS	FG	Strongly foliated dark grey biotite schist with patch small garnets present within biotite foliation. Minor serecite present, along with patchy oxidation staining. Marble interval from 77.55-78.09 fo0und within, with foliated green to black chlorite/actinolite. Pyrrhotite found in association with chlorite/actinolite formation.							
						MD	GY	FO	OXI	1I	Po	1
						LT	GN					
82.24	84.06	1.82	QBS	FG	White to light green quartz with bands of biotite displaying strong foliation within. Quartz stringers present sporadically throughout, along with a small band of light to medium green pyroxene within.							
						LT	GN	FO				
						LT	BL					
						LT	WH					
84.06	85.48	1.42	MBL	FG	Marble that displays medium to ligh green pyroxene alteration/replacement through most of interval.							
						MD	GN					
						LT	GN					
85.48	87.82	2.34	SKN	FG	Light green to medium pink pyroxene >= garnet (slightly greater than). Skarn hosts pyrrhotite, and minor chalcopyrite in minor patchy disseminations throughout. Slightly mottled texture present, with small sporadic carbonate stringers found within. Chalcopyrite mineralization typically found within both garnet and pyroxene skarn regions, but most heavily concentrated in areas of pyroxene/garnet boundaries and mixing.							
						MD	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GN	Mo			Po	1
						MD	GN				Cp	1
87.82	92.60	4.78	SKN	FG	light green pyroxene skarn alternating with quartz (found in quartz flooded textures) and small quartz veins. No garnet type present, or any evidence of mineralization. Foliated texture within pyroxene present around quartz blebs. Lenses of marble ranging from 5-20 cm wide found within. Minor chlorite alteration and stringers present sporadically throughout.							
						LT	GN	FO	CHL	1I	Cp	0.5
						LT	GY				Po	0.5
						MD	GN					
92.60	99.56	6.96	RHY	FG	Dark grey intrusive dyke with sporadic carbonate veining throughout. Actinolite and epidote blebs present throughout, along with white clasts within.							
						DK	GY					
99.56	100.64	1.08	INT	FG	Intermediate dyke between dark grey intrusive dyke with epidote clasts, and light to medium grey Hopper Pluton granodiorite. Alternating between light and dark grey colours with fine grained matrix.							
						LT	GY					
						DK	GY					
100.64	163.07	62.43	GRD	MG	Light to medium grey Hopper Pluton granodiorite with white and black pepper matrix (quartz/biotite). Weak oxidation present along fractures. Rock very hard and competent throughout entire interval. Contains small sporadic patches of argillic alteration (?), where clasts have swelled and rock has become slightly softer. Clast change to green within these zones suggests possible chloritization?.							
						LT	GN					
						LT	GY		CHL	1I		
						MD	GY		ARG	1I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.7	46	0.12	8	2R	5H	1W	
1.52	4.57	3.05	1.61	53	0.71	23	1R	5H	1W	
4.57	7.62	3.05	2.98	98	2.74	90	1R	4H	1W	
7.62	10.67	3.05	2.99	98	1.96	64	1R	4H	1W	
10.67	13.72	3.05	3.05	100	2.86	94	2R	4H	1W	
13.72	16.76	3.04	3.04	100	3.04	100	1R	4H	1W	
16.76	19.81	3.05	3.05	100	2.93	96	0R	4H	1W	
19.81	22.86	3.05	3.05	100	3.05	100	0R	4H	1W	
22.86	25.91	3.05	3.05	100	2.83	93	0R	3H	1W	
25.91	28.96	3.05	3.05	100	2.85	93	0R	4H	1W	
28.96	32.00	3.04	3.04	100	3.04	100	1R	4H	1W	
32.00	35.05	3.05	3.05	100	2.87	94	2R	4H	1W	
35.05	38.10	3.05	3.05	100	2.71	89	1R	3H	1W	
38.10	41.15	3.05	3.05	100	2.80	92	0R	4H	1W	
41.15	44.20	3.05	3.05	100	3.05	100	0R	5H	1W	
44.20	47.24	3.04	3.04	100	3.04	100	1R	4H	1W	
47.24	50.29	3.05	3.05	100	2.68	88	0R	4H	1W	
50.29	53.34	3.05	3.05	100	2.80	92	1R	4H	1W	
53.34	56.39	3.05	3.05	100	3.00	98	1R	4H	1W	
56.39	59.44	3.05	3.05	100	3.05	100	2R	4H	1W	
59.44	62.48	3.04	3.04	100	2.25	74	1R	4H	1W	
62.48	65.53	3.05	3.05	100	2.39	78	2R	4H	1W	
65.53	68.58	3.05	3.05	100	2.84	93	0R	4H	1W	
68.58	71.63	3.05	3.05	100	2.92	96	3R	4H	1W	
71.63	74.68	3.05	2.96	97	2.81	92	3R	4H	1W	
74.68	77.72	3.04	3.04	100	2.73	90	3R	4H	1W	
77.72	80.77	3.05	3.05	100	2.98	98	1R	4H	1W	
80.77	83.82	3.05	3.05	100	3.05	100	1R	5H	1W	
83.82	86.87	3.05	3.05	100	2.70	89	1R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	3.05	100	2.84	93	1R	5H	1W	
89.92	92.96	3.04	3.04	100	3.04	100	1R	4H	1W	
92.96	96.01	3.05	3.05	100	2.34	77	0R	4H	1W	
96.01	99.06	3.05	3.05	100	2.90	95	0R	5H	1W	
99.06	102.11	3.05	3.05	100	0.81	27	0R	5H	1W	
102.11	105.16	3.05	3.05	100	2.70	89	0R	5H	1W	
105.16	108.20	3.04	3.04	100	3.04	100	0R	5H	1W	
108.20	111.25	3.05	3.05	100	2.71	89	0R	5H	1W	
111.25	114.30	3.05	2.42	79	1.71	56	0R	5H	1W	
114.30	117.35	3.05	3.05	100	3.05	100	0R	5H	1W	
117.35	120.40	3.05	3.05	100	3.05	100	0R	5H	1W	
120.40	123.44	3.04	3.04	100	2.50	82	0R	5H	1W	
123.44	126.49	3.05	3.05	100	2.42	79	0R	5H	1W	
126.49	129.54	3.05	3.05	100	3.05	100	0R	5H	1W	
129.54	132.59	3.05	3.05	100	2.11	69	0R	5H	1W	
132.59	135.64	3.05	3.05	100	2.49	82	0R	5H	1W	
135.64	138.68	3.04	3.04	100	2.63	87	0R	5H	1W	
138.68	141.73	3.05	3.05	100	2.66	87	0R	5H	1W	
141.73	144.78	3.05	3.05	100	3.05	100	0R	5H	1W	
144.78	147.83	3.05	3.05	100	3.05	100	0R	5H	1W	
147.83	150.88	3.05	3.05	100	3.05	100	0R	5H	1W	
150.88	153.92	3.04	3.04	100	2.89	95	0R	5H	1W	
153.92	156.97	3.05	3.05	100	2.84	93	0R	5H	1W	
156.97	160.02	3.05	3.05	100	3.05	100	0R	5H	1W	
160.02	163.07	3.05	3.05	100	3.05	100	0R	5H	1W	

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.16	MBL	
2	0.12	MBL	
3	0.79	MBL	
4	0.04	MBL	
5	20.3	SKN	
6	2.23	SKN	
7	2.43	SKN	
8	2.87	SKN	
9	3.07	SKN	
10	1.37	SKN	
11	2.29	SKN	
12	2.21	SKN	
13	2.76	SKN	
14	1.68	SKN	
15	0.92	MBL	
16	16.8	MBL	
17	0.3	HBS	
18	0.2	HBS	
19	0.06	HBS	
20	1.66	HBS	
21	1.33	HBS	
22	0.67	HBS	
23	0.45	HBS	
24	0.08	HBS	
25	0.45	HBS	
26	0.84	HBS	
27	0.41	HBS	
28	0.18	HBS	
29	0.28	HBS	
30	0.3	HBS	
31	0.55	HBS	
32	3.44	HBS	
33	0.57	HBS	
34	0.22	HBS	
35	6.86	SKN	
36	2.58	SKN	
37	4.03	SKN	
38	0.32	HBS	
39	0.06	QTE	
40	0.06	QTE	
41	0.73	QTE	
42	0.28	QTE	
43	0.38	HBS	
44	0.16	HBS	
45	0.08	HBS	
46	0.98	HBS	
47	0.28	FAP	
48	0.47	FAP	
49	0.3	FAP	
50	0.18	FAP	
51	0.14	FAP	
52	0.16	FAP	
53	0.24	FAP	
54	0.12	FAP	
55	0.12	FAP	
56	0.12	FAP	
57	0.14	FAP	
58	0.12	FAP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.28	FAP	
60	1.33	SKN	
61	0.32	MBL	
62	0.1	MBL	
63	0.45	QBS	
64	0.36	QBS	
65	0.12	QBS	
66	0.59	QBS	
67	0.08	QBS	
68	0.12	HBS	
69	23.2	HBS	
70	0.14	HBS	
71	0.04	HBS	
71	0.04	LST	
72	0	LST	
73	4.81	SKN	
74	1.84	SKN	
75	0.55	SKN	
76	0.71	SKN	
77	1.02	HBS	
78	0.02	HBS	
79	1.14	HBS	
80	0.9	HBS	
81	0.94	HBS	
82	0.63	HBS	
83	0.22	QBS	
84	0.04	QBS	
85	1.47	MBL	
86	1.74	SKN	
87	1.72	SKN	
88	1.06	SKN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
89	1.08	SKN	
90	0.3	SKN	
91	1.76	SKN	
92	0.28	SKN	
93	0.3	RHY	
94	30.6	RHY	
95	28.5	RHY	
96	28.4	RHY	
97	15.5	RHY	
98	33.4	RHY	
99	20.5	RHY	
100	0.92	INT	
101	0.14	GRD	
102	0.43	GRD	
103	1.51	GRD	
104	6.9	GRD	
105	3.13	GRD	
106	5.37	GRD	
107	2.78	GRD	
108	3.25	GRD	
109	1.33	GRD	
110	0.84	GRD	
111	0.69	GRD	
112	0.57	GRD	
113	0.45	GRD	
114	0.34	GRD	
115	0.63	GRD	
116	0.41	GRD	
117	0.47	GRD	
118	0.38	GRD	
119	0.43	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
120	0.34	GRD	
121	0.43	GRD	
122	0.36	GRD	
123	0.49	GRD	
124	0.32	GRD	
125	0.36	GRD	
126	0.26	GRD	
127	0.47	GRD	
128	0.36	GRD	
129	0.38	GRD	
130	0.16	GRD	
131	0.36	GRD	
132	0.36	GRD	
133	0.32	GRD	
134	0.65	GRD	
135	0.57	GRD	
136	0.53	GRD	
137	0.41	GRD	
138	0.43	GRD	
139	0.75	GRD	
140	0.32	GRD	
141	0.45	GRD	
142	0.45	GRD	
143	0.49	GRD	
144	0.49	GRD	
145	0.65	GRD	
146	0.57	GRD	
147	0.53	GRD	
148	0.47	GRD	
149	0.41	GRD	
150	0.47	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
151	0.57	GRD	
152	0.59	GRD	
153	0.67	GRD	
154	0.79	GRD	
155	0.65	GRD	
156	0.84	GRD	
157	0.9	GRD	
158	0.73	GRD	
159	0.65	GRD	
160	1.06	GRD	
161	0.67	GRD	
162	0.9	GRD	
163	0.94	GRD	

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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	S052879	☐	B00-004	Batch 4	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052872	☐	B00-004	Batch 4		☑	☐	☐
4.02	6.10	2.08	MBL, SKN	2.00	96	S052865	☐	B00-004	Batch 4		☐	☐	☐
6.10	8.27	2.17	SKN	2.17	100	S052866	☐	B00-004	Batch 4		☐	☐	☐
8.27	10.67	2.40	SKN	2.40	100	S052867	☐	B00-004	Batch 4		☐	☐	☐
10.67	13.72	3.05	SKN	3.05	100	S052868	☐	B00-004	Batch 4		☐	☐	☐
13.72	14.93	1.21	SKN	1.21	100	S052869	☐	B00-004	Batch 4		☐	☐	☐
34.65	37.07	2.42	SKN, HBS	2.42	100	S052870	☐	B00-004	Batch 4		☐	☐	☐
59.21	60.42	1.21	FAP	1.21	100	S052871	☐	B00-004	Batch 4		☐	☐	☐
60.42	62.18	1.76	MBL, SKN	1.76	100	S052873	☐	B00-004	Batch 4		☐	☐	☐
67.43	69.14	1.71	HBS	1.71	100	S052881	☐	B00-004	Batch 4		☐	☐	☐
72.78	74.63	1.85	SKN	1.85	100	S052874	☐	B00-004	Batch 4		☐	☐	☐
74.63	76.10	1.47	SKN	1.47	100	S052875	☐	B00-004	Batch 4		☐	☐	☐
84.27	85.55	1.28	MBL	1.28	100	S052876	☐	B00-004	Batch 4		☐	☐	☐
85.55	87.77	2.22	SKN	2.22	100	S052877	☐	B00-004	Batch 4		☐	☐	☐
87.77	90.00	2.23	SKN	2.23	100	S052878	☐	B00-004	Batch 4		☐	☐	☐
90.00	92.59	2.59	SKN	2.59	100	S052880	☐	B00-004	Batch 4		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	4.02						☐	☐	☐	☐	
B00-004	S052872	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-004	S052879	0.00	0.00	1.38	133		31	2.0	☐	☐	☐	☑	ME-16
B00-004	S052865	4.02	6.10	0.26	11		0	0.1	☐	☐	☐	☐	
B00-004	S052866	6.10	8.27	0.01	54		0	0.0	☐	☐	☐	☐	
B00-004	S052867	8.27	10.67	0.02	4		0	0.1	☐	☐	☐	☐	
B00-004	S052868	10.67	13.72	0.03	11		0	0.0	☐	☐	☐	☐	
B00-004	S052869	13.72	14.93	0.03	5		0	0.1	☐	☐	☐	☐	
		14.93	34.65						☐	☐	☐	☐	
B00-004	S052870	34.65	37.07	0.00	3		1	0.4	☐	☐	☐	☐	
		37.07	59.21						☐	☐	☐	☐	
B00-004	S052871	59.21	60.42	0.02	105		3	0.3	☐	☐	☐	☐	
B00-004	S052873	60.42	62.18	0.02	3		1	0.5	☐	☐	☐	☐	
		62.18	67.43						☐	☐	☐	☐	
B00-004	S052881	67.43	69.14	0.03	3		1	0.3	☐	☐	☐	☐	
		69.14	72.78						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-004	S052874	72.78	74.63	0.04	9		1	0.2	☐	☐	☐	☐	
B00-004	S052875	74.63	76.10	0.13	4		1	0.3	☐	☐	☐	☐	
		76.10	84.27						☐	☐	☐	☐	
B00-004	S052876	84.27	85.55	0.06	3		0	0.3	☐	☐	☐	☐	
B00-004	S052877	85.55	87.77	0.07	9		0	0.1	☐	☐	☐	☐	
B00-004	S052878	87.77	90.00	0.01	1		0	0.1	☐	☐	☐	☐	
B00-004	S052880	90.00	92.59	0.00	2		0	0.2	☐	☐	☐	☐	
		92.59	######						☐	☐	☐	☐	

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		396978	6794771	1135	216.22

ZONE: Hopper

SECTION:

HOLE: HOP-16-013

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 11 - Sep 13, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
6.09	97.4	-65.2	Reflex
216.22	109.3	-63.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.35	0.35	OVB
0.35	2.07	1.72	MBL
2.07	4.57	2.5	MBL
4.57	5.32	0.75	SKN
5.32	10.8	5.48	SKN
10.8	11.42	0.62	FAP
11.42	17.13	5.71	AND
17.13	23.07	5.94	FFP
23.07	24.82	1.75	FFP
24.82	25.74	0.92	AND
25.74	29.28	3.54	FFP
29.28	48.46	19.18	GRD
48.46	63.65	15.19	AND
63.65	70.22	6.57	FFP
70.22	76.2	5.98	FAP
76.2	77.68	1.48	HBS

SAMPLES	
Numbers:	S052882 to S052903
Total:	22
Batch:	004, 005
Certificates:	WH16156862, WH16158761

COMMENTS

77.68	78.16	0.48	LST
78.16	82.8	4.64	HBS
82.8	84.4	1.6	LST
84.4	87.7	3.3	MBL
87.7	98.37	10.67	HBS
98.37	100.79	2.42	SKN
100.79	102.38	1.59	SKN
102.38	107	4.62	SKN
107	110	3	QTE
110	110.57	0.57	SKN
110.57	124.42	13.85	FFP
124.42	136.75	12.33	HBS
136.75	137.82	1.07	MBL
137.82	138.78	0.96	HBS
138.78	140.93	2.15	SKN
140.93	142.46	1.53	MBL
142.46	160.19	17.73	GRD
160.19	163.75	3.56	HBS
163.75	182.93	19.18	HBS
182.93	184.36	1.43	RHY
184.36	185.4	1.04	HBS
185.4	186.07	0.67	CSL
186.07	200.47	14.4	HBS
200.47	201.09	0.62	MBL
201.09	205.2	4.11	CSL
205.2	209.23	4.03	INT
209.23	210.24	1.01	INT
210.24	216.22	5.98	HBS

Box Log

HOP-16-013

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.03
2	5.03	9.27
3	9.27	13.26
4	13.26	17.39
5	17.39	21.46
6	21.46	25.48
7	25.48	29.84
8	29.84	34.07
9	34.07	38.2
10	38.2	42.51
11	42.51	46.66
12	46.66	50.63
13	50.63	54.78
14	54.78	59.03
15	59.03	63.31
16	63.31	67.52
17	67.52	71.86
18	71.86	76.04
19	76.04	80.23
20	80.23	84.25
21	84.25	88.84
22	88.84	93.1
23	93.1	97.43
24	97.43	101.9
25	101.9	106.23
26	106.23	110.57
27	110.57	115.13
28	115.13	119.47
29	119.47	123.66
30	123.66	127.94

Box Number	From (m)	To (m)
31	127.94	132.4
32	132.4	136.66
33	136.66	141.14
34	141.14	145.13
35	145.13	149.64
36	149.64	153.81
37	153.81	158.03
38	158.03	162.26
39	162.26	166.45
40	166.45	170.59
41	170.59	175.13
42	175.13	179.08
43	179.08	183.45
44	183.45	187.45
45	187.45	191.75
46	191.75	196.12
47	196.12	200.38
48	200.38	204.76
49	204.76	209.03
50	209.03	213.11
51	213.11	216.22

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.35	2.07	1.72	MBL	MG	Light white to green marble with small lenses of limestone within. Small weak bands of green to light grey within							
						MD	GN					
						LT	WH					
						LT	GN					
2.07	4.57	2.50	MBL	MG	White to clear quartz and marble alternating with light green chlorite alteration and bands of green pyroxene. Very trace disseminated pyrrhotite found within. Small interval of 11cm pyroxene skarn (no garnet) with minor pyrrhotite found in blebs within. Minor oxidation found along fractures of carbonate veining in core. Green altered bands (chlorite/pyroxene?) get more numerous and wider with depth.							
						MD	GN		OXI	1I		
						LT	GN		CLY	1I	Po	0.5
						LT	WH		SIL	3I		
4.57	5.32	0.75	SKN	FG	Alternating bands of 3-10cm white to light green quartz, and chloritized bands of mottled pyroxene skarn hosting disseminated pyrrhotite throuhgout all bands. Highly silicified.							
						LT	WH	BN	CHL	1I	Po	1
						LT	GN		SIL	3I		
5.32	10.80	5.48	SKN	MG	Medium green/grey to pink pyroxene>>skarn (very minor garnet skarn present). Mottled texture throuhgout, with small carbonate to carbonate quartz stringers crosscutting coure throughout sporadically. Garnet found in small patchs closer to the upper and lower selveges, with dominant pyroxene through the middle of the interval. Garnet/pyroxene zones display chloritizatoin and light green epidote alteration. Periodic stringers carry fine dark green to black chlorite (scratches green, soft) and soft jet black minerals. Blebby pyrrhotite found throughout entire interval, along with disseminated blebs of chalcopyrite. Chalcopyrite found in higher concentrations within garnet/pyroxene zone. Quartz contact found at lower selvege of skarn horizon.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	Mo	CHL	1I	Po	8
						MD	GY		EPI	1I	Cp	2
						MD	PK					
10.80	11.42	0.62	FAP	FG	Strongly siliceous, hard light green FAP dyke.							
						LT	GN	PO	SIL	3I		
11.42	17.13	5.71	AND	FG	Dark grey to light black intrusive dyke with white clasts within and fine black minerals.							
						DK	GY					
17.13	23.07	5.94	FFP	FG	Light green to grey fine grained FFP dyke with fine white to pale green clasts within.							
						LT	GN	PO	SIL	3I		
						LT	GY					
23.07	24.82	1.75	FFP	FG	Highly siliceous transition zone between light green to grey FFP and fine grained intrusive andesite dyke.							
						LT	GY					
						DK	GY					
24.82	25.74	0.92	AND	FG	Dark grey to almost black intrusive fine grained andesite (?) dyke. Carries rare sporadic carbonate stringers and trace disseminated pyrrhotite within.							
						LT	BL					
						DK	GY				Po	0.1
25.74	29.28	3.54	FFP	FG	Fine medium grained light grey FFP dyke. Fractures of dyke carry moderate oxidation staining.							
						LT	GY	PO	OXI	1I		
29.28	48.46	19.18	GRD	MG	Light to medium grey Granodiorite (Hopper Pluton intrusive). Granodiorite has white clasts with acicular black grians within. Oxidation staining found along fractures. Minor carbonate stringers found crosscutting throughout. Interval transitions from light to more medium grey with depth towards end of interval.							
						MD	GY					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.46	63.65	15.19	AND	FG	Dark grey to black fine grained dyke (andesite?) that is weakly magnetic throughout. Minor carbonate veinlets sporadically crosscut, along with minor carbonate clasts (~2mm) scattered throughout. Chlorite present along carbonate stringers. Contains an oxidized, gouged and healed zone ~ 17cm wide that could be a possible fault zone?							
						DK	BL					
						DK	GY					
63.65	70.22	6.57	FFP	FG	light to medium grey FFP dyke with patches of argillic alteration(swollen, soft clasts within with pale colour). Oxidation present along fractures.							
						MD	GY					
						LT	GY		OXI	2I		
70.22	76.20	5.98	FAP	FG	Light to medium green FAP dyke with small white clasts within the background matrix. Weak oxidation present along fractures. Within the interval, 24cm of pervasively oxidized carbonate quartz veining (weak breccia texture) crosscuts dyke. Very reactive to acid throughout. After carbonate veining, light green epidote clasts seen within dyke matrix, along with and replacing previous white clasts.							
						MD	GY					
						LT	GY	PO				
76.20	77.68	1.48	HBS	MG	Weakly foliated quartz biotite schist with light green chloritized quartz stringers within. Biotite found in very thin bands and weakly foliated. Within interval, minor patches of oxidation stain are present. Foliation at ~55TCA.							
						MD	BL					
						LT	WH	FO	CHL	1I		
						LT	GN					
77.68	78.16	0.48	LST	MG	Light white to green limestone with an interval of strongly foliated bands of biotite schist found within that transitions back to dominatly white to green limestone with minor biotite foliation. Foliated bands found at 40TCA.							
						MD	BL					
						LT	GN	FO				
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
78.16	82.80	4.64	HBS	MG	Light white to green QBS with sporadic bands of moderately foliated biotites. Very pale green colouration within white quartz banding. White micas present sporadically within. Highly fractured zone of QBS found within. Foliation and banding at 55TCA							
						MD	BL					
						LT	GN	FO	CHL	1I		
						LT	WH					
83.56	83.78	0.22	LST	MG	Zone of net textured light tan ankerite within from 83.56-83.76m							
						LT	TN					
84.40	86.50	2.10	MBL	FG	Light white to green marble with weakly foliated and very thinly banded biotite schists within. Interval carries two small intervals of deep green pyroxene skarn horizons hosting minor pyrrhotite. Upper skarn horizon runs 70TCA, while the lower horizon runs 50TCA							
						MD	GN					
						LT	WH	FO			Po	3
						LT	GN					
						DK	GN					
87.70	98.37	10.67	HBS	MG	Very strongly foliated QBS with biotite/serecite within foliated bands, as well as small (0.3mm) garnets along foliation planes. Foliated bands range from massive up to 2m, to 5cm throughout, running at 60TCA.							
						MD	BL					
						LT	WH	FO				
						DK	GY					
98.37	100.79	2.42	SKN	MG	White marble with minor patches of tan ankerite alternating with medium green pyroxene skarn horizons. Middle of the interval carries dominantly pyroxene skarn, with blebs of pyrrhotite. Along the upper and lower regious of the interval, marble and minor skarn horizons alternate with one another.							
						MD	GN					
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
100.79	102.38	1.59	SKN	MG	Pyroxene = Garnet skarn with patchy garnet alteration found in bands within a dominant pyroxene garnet matrix. Skarn carries disseminated patchy pyrrhotite, enveloped by a jet black soft mineral (Fe rich chlorite?) Epiidote found in blebs towards the end of the skarn interval within small bands of red garnet zone and minor pyrrhotite.							
						MD	GN				Po	2
						MD	PK					
102.38	107.00	4.62	SKN	MG	White marble with minor patches of tan ankerite alternating with medium green pyroxene skarn horizons. Middle of the interval carries dominantly pyroxene skarn, with blebs of pyrrhotite. Along the upper and lower regious of the interval, marble and minor skarn horizons alternate with one another.							
						MD	GN					
						LT	WH					
107.00	110.00	3.00	QTE	MG	Quartzite with biotite bands displaying weak foliation within. Light green chloritized schists in patches found within. Grey quartz also found within mixed into quartzite with tan ankerite found along outer selveges.							
						MD	GY					
						LT	WH	FO				
						LT	GN					
110.00	110.57	0.57	SKN	MG	Medium green pyroxene skarn with minor epidote clasts witihn alternating with bands of marble.							
						MD	GN	Mo	EPI	1I		
						LT	WH					
110.57	124.42	13.85	FFP	MG	Light green FAP dyke with patches of chlorite and purple stain in patches. Transitions to dark grey dyke with epidote and quartz clasts within, with fine acicular black grains present also. Very fine disseminated pyrite (pyrrhotite?) sporadically throughout entire interval. Dyke is weakly magnetic throughout.							
						MD	GN		CHL	2I	Py	0.2
						DK	GY		CHL	1I	Cl	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
124.42	136.75	12.33	HBS	MG	Light white to green quartzite with weak to moderate foliated bands of biotite schist. Quartz and biotites alternate throughout, with minor chlorite within.							
						MD	BL					
						LT	WH	FO			Cl	1
						LT	GN					
136.75	137.82	1.07	MBL	MG	Light white to green marble with minor fine grained schist (biotite) banding within towards the end of the intervbal. Small clasts of chlorite present within in patches.							
						LT	GN					
						LT	WH				Cl	1
137.82	138.78	0.96	HBS	MG	Small intervals of banded quartz biotite schists (5-10cm interval widths) with alternating bands of light to medium green diopside. Banding dissapears and transitions to diopsite with minor quartz blebs within. Minor chlorite found disseminated throuhgout. Banding at roughly 50TCA							
						MD	BL					
						MD	GN					
						LT	GN	FO			Cl	1
						LT	WH					
138.78	140.93	2.15	SKN	MG	Mottled to leopard textured medium to pale green pyroxene skarn. Skarn is exclusively pyroxene type, with no garnet zone found within. Chloritized quartz veinlets and white carbonate veinlets found within crosscutting throughout zone at 50TCA. Within the skarn, pyrrhotite that is both disseminated and found in blebs, as well as disseminated chalcopyrite are found.							
						MD	GN	Mo	CHL	1I	Po	6
									CHL	2I	Cp	2
140.93	142.46	1.53	MBL	FG	White marble with sporadic green chlorite staining found pervasively throughout in patches and minor blebs.							
						LT	WH					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
142.46	160.19	17.73	GRD	MG	Medium grey Hopper Pluton granodiorite with white clasts and black acicular actinolite within. Initial interval along upper contact dislays ~13cm of chlorite alteration and bleaching (very pale white colouration) halo along contact. Chloritized patch of granodiorite with green clasts and minor magnetic xenoliths found within, along with small <1cm stringers of barren carbonate.							
						MD	GY					
						LT	GY					
160.19	163.75	3.56	HBS	MG	Strongly foliated quartz biotite schist with biotite and serecite found within foliated bands. Quartz found alteranting. Minor garnets seen within, along with trace disseminated pyrite sporadically throughout.							
						MD	GY					
						MD	BL					
						LT	WH	FO			Py	0.1
163.75	182.93	19.18	HBS	MG	Massive biotite HBS with very strongly foliated, fine grained bands of biotie and serecite within a grey hornfels matrix. Small minor amounts of garnets (<1mm) found along bands of micas, and disseminated pyrite found within joints of the core throughout. Quartz bands found within HBS, with minor green chlorite stain overprinting the surface in patches. Bedding of the HBS follows roughly 60TCA. Quartz veining becomes stronger with depth and more prevalent, along with the banded schists becoming more metamorphosed and deformed. Minor disseminated pyrite and pyrrhotite found within.							
						MD	GY	FO	CHL	1I	Py	0.1
						MD	BL	BN	CHL	2I	Po	0.1
182.93	184.36	1.43	RHY	MG	Light grey rhyolite with white and black clasts. Quartz vein found crosscutting dyke along upper selvege. Dyke crosscuts green chlorite/biotite schist, which runs parallel to core with the contact running along the core length.							
						MD	GY					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
184.36	185.40	1.04	HBS	MG	Medium green chlorite-biotite schist (pyroxene also present) with massive foliated biotite schist banding throughout a chloritized pyroxene matrix. Grey dyke crosscuts chlorite schist at very shallow angle (5TCA) for 60cm along its upper selvege, and calc-silicate crosscuts the lower selvege at 5-10TCA irregularly.							
						MD	GN	FO	CHL	2I		
						MD	BL					
						DK	GN	Mo	CHL	3I		
185.40	186.07	0.67	CSL	MG	Light white calc-silicate interval with patchy light pink to tan carboante within, as well as minor disseminated pyrrhotite found within quartz. Very small lense of calc-silicate between chlorite-biotite schist packages.							
						MD	WH					
						MD	GN					
						LT	WH					
						LT	GN					
						LT	PK					
186.07	200.47	14.40	HBS	MG	Medium to dark green chloritized finge grianed (hornfels? Pyroxene?) with massive foliated biotite bands throughout the entire interval. Chloritized limestone present in 10-30cm intervals within, alternating between white and white/green colour. Minor disseminated pyrite and pyrrhotite found within sporadic disseminations across the CBS package can be seen, along with 0.5-1cm carbonate veinlets that spontaneously crosscut core.							
						MD	GN				Py	0.5
						MD	BL					
						DK	GN				Po	0.1
200.47	201.09	0.62	MBL	FG	Chloritized green marble (weakly acidic when scratched) with light mica schist bands displaying weak foliation within. Carbonate stringers crosscut interval throughout.							
						MD	GN		CHL	3I		
						LT	GN		CHL	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
201.09	205.20	4.11	CSL	MG	light white and tan to green calc-silicate unit. Quartz veining with carbonate foune along its outer selveges (vein, veinlet, stringer) crosscut and brecciate calc-silicate matrix, along with carbonate stringers, both of which vary drastically in size and orientation (0.2-15cm wide). Veining of both quartz and carbonate within occur primarily as veins, blebs, and small flooded patches throughout, with some veining displaying a net texture. Tan ankerite is present found alongside carbonate enveloped quartz veins. Weak chloritic overprinting can be seen in patches, along with patches of semi-massive deep green chlorite blebs. Sporadic veining and veinlets carry disseminated chalcopyrite, and pyrrhotite throughout, but mineralization seems random within veining.							
								CR			Po	1
								BX	CHL	2I	Cp	0.5
205.20	209.23	4.03	INT	FG	Light brown to green fine to medium grained INT dyke with heavy carbonate veining and brecciation occuring within the interval (random attitudes). Minor patches of chlorite alteration occur, carrying quartz carbonate brecciation within. Disseminated pyrite, pyrrhotite, and chalcopyrite found within chloritized carbonate/quartz vein zones. Vuggy carbonate crystal zones found in weathered pits throughout.							
						LT	BR	VU	CHL	2I	Py	0.4
						LT	GN	BX			Cp	0.2
								CR			Po	0.2
209.23	210.24	1.01	INT	FG	Fine grained light green to brown intermediate zone between light brown INT dyke with quartz/carbonate veining and brecciation, and a zone of weakly fine grained foliated mica schist with no mineralization.							
						LT	GN	FO				
						LT	BR					
210.24	216.22	5.98	HBS	FG	Moderately foliated muscovite/sericite schist with quartz and carbonate veining found within. Chalcopyrite and pyrite found within one quartz vein.							
						LT	BR	FO			Cp	1
											Py	2

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.35	2.07	1.72	MBL	MG	Light white to green marble with small lenses of limestone within. Small weak bands of green to light grey within							
						LT	WH					
						MD	GN					
						LT	GN					
2.07	4.57	2.50	MBL	MG	White to clear quartz and marble alternating with light green chlorite alteration and bands of green pyroxene. Very trace disseminated pyrrhotite found within. Small interval of 11cm pyroxene skarn (no garnet) with minor pyrrhotite found in blebs within. Minor oxidation found along fractures of carbonate veining in core. Green altered bands (chlorite/pyroxene?) get more numerous and wider with depth.							
						LT	GN		CLY	1I	Po	0.5
						MD	GN		OXI	1I		
						LT	WH		SIL	3I		
4.57	5.32	0.75	SKN	FG	Alternating bands of 3-10cm white to light green quartz, and chloritized bands of mottled pyroxene skarn hosting disseminated pyrrhotite throuhgout all bands. Highly silicified.							
						LT	WH	BN	CHL	1I	Po	1
						LT	GN		SIL	3I		
5.32	10.80	5.48	SKN	MG	Medium green/grey to pink pyroxene>>skarn (very minor garnet skarn present). Mottled texture throuhgout, with small carbonate to carbonate quartz stringers crosscutting coure throughout sporadically. Garnet found in small patchs closer to the upper and lower selveges, with dominant pyroxene through the middle of the interval. Garnet/pyroxene zones display chloritizatoin and light green epidote alteration. Periodic stringers carry fine dark green to black chlorite (scratches green, soft) and soft jet black minerals. Blebby pyrrhotite found throughout entire interval, along with disseminated blebs of chalcopyrite. Chalcopyrite found in higher concentrations within garnet/pyroxene zone. Quartz contact found at lower selvege of skarn horizon.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	Mo	CHL	1I	Po	8
						MD	GY		EPI	1I	Cp	2
						MD	PK					
10.80	11.42	0.62	FAP	FG	Strongly siliceous, hard light green FAP dyke.							
						LT	GN	PO	SIL	3I		
11.42	17.13	5.71	AND	FG	Dark grey to light black intrusive dyke with white clasts within and fine black minerals.							
						DK	GY					
17.13	23.07	5.94	FFP	FG	Light green to grey fine grained FFP dyke with fine white to pale green clasts within.							
						LT	GN	PO	SIL	3I		
						LT	GY					
23.07	24.82	1.75	FFP	FG	Highly siliceous transition zone between light green to grey FFP and fine grained intrusive andesite dyke.							
						LT	GY					
						DK	GY					
24.82	25.74	0.92	AND	FG	Dark grey to almost black intrusive fine grained andesite (?) dyke. Carries rare sporadic carbonate stringers and trace disseminated pyrrhotite within.							
						DK	GY				Po	0.1
						LT	BL					
25.74	29.28	3.54	FFP	FG	Fine medium grained light grey FFP dyke. Fractures of dyke carry moderate oxidation staining.							
						LT	GY	PO	OXI	1I		
29.28	48.46	19.18	GRD	MG	Light to medium grey Granodiorite (Hopper Pluton intrusive). Granodiorite has white clasts with acicular black grians within. Oxidation staining found along fractures. Minor carbonate stringers found crosscutting throughout. Interval transitions from light to more medium grey with depth towards end of interval.							
						MD	GY					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
48.46	63.65	15.19	AND	FG	Dark grey to black fine grained dyke (andesite?) that is weakly magnetic throughout. Minor carbonate veinlets sporadically crosscut, along with minor carbonate clasts (~2mm) scattered throughout. Chlorite present along carbonate stringers. Contains an oxidized, gouged and healed zone ~ 17cm wide that could be a possible fault zone?							
						DK	BL					
						DK	GY					
63.65	70.22	6.57	FFP	FG	light to medium grey FFP dyke with patches of argillic alteration(swollen, soft clasts within with pale colour). Oxidation present along fractures.							
						MD	GY					
						LT	GY		OXI	2I		
70.22	76.20	5.98	FAP	FG	Light to medium green FAP dyke with small white clasts within the background matrix. Weak oxidation present along fractures. Within the interval, 24cm of pervasively oxidized carbonate quartz veining (weak breccia texture) crosscuts dyke. Very reactive to acid throughout. After carbonate veining, light green epidote clasts seen within dyke matrix, along with and replacing previous white clasts.							
						MD	GY		OXI	2I		
						LT	GY	PO	EPI	1I		
76.20	77.68	1.48	HBS	MG	Weakly foliated quartz biotite schist with light green chloritized quartz stringers within. Biotite found in very thin bands and weakly foliated. Within interval, minor patches of oxidation stain are present. Foliation at ~55TCA.							
						LT	GN					
						LT	WH	FO	CHL	1I		
						MD	BL					
77.68	78.16	0.48	LST	MG	Light white to green limestone with an interval of strongly foliated bands of biotite schist found within that transitions back to dominatly white to green limestone with minor biotite foliation. Foliated bands found at 40TCA.							
						MD	BL					
						LT	GN	FO				
						LT	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
78.16	82.80	4.64	HBS	MG	Light white to green QBS with sporadic bands of moderately foliated biotites. Very pale green colouration within white quartz banding. White micas present sporadically within. Highly fractured zone of QBS found within. Foliation and banding at 55TCA							
						LT	GN	FO	CHL	1I		
						MD	BL					
						LT	WH					
82.80	84.40	1.60	LST	MG	Light white to green limestone with well foliated black biotite schist bands (20TCA) within. Zone of net textured light tan ankerite within from 83.56-83.76m crosscutting LMS at 45TCA							
						LT	WH	FO				
						LT	TN					
						MD	BL					
						LT	GN					
84.40	87.70	3.30	MBL	FG	Light white to green marble with weakly foliated and very thinly banded biotite schists within. Interval carries two small intervals of deep green pyroxene skarn horizons hosting minor pyrrhotite. Upper skarn horizon runs 70TCA, while the lower horizon runs 50TCA							
						MD	GN					
						LT	WH	FO			Po	3
						LT	GN					
						DK	GN					
87.70	98.37	10.67	HBS	MG	Very strongly foliated QBS with biotite/serecite within foliated bands, as well as small (0.3mm) garnets along foliation planes. Foliated bands range from massive up to 2m, to 5cm throughout, running at 60TCA.							
						MD	BL					
						DK	GY					
						LT	WH	FO				
98.37	100.79	2.42	SKN	MG	White marble with minor patches of tan ankerite alternating with medium green pyroxene skarn horizons. Middle of the interval carries dominantly pyroxene skarn, with blebs of pyrrhotite. Along the upper and lower regious of the interval, marble and minor skarn horizons alternate with one another.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
						LT	WH					
100.79	102.38	1.59	SKN	MG	Pyroxene = Garnet skarn with patchy garnet alteration found in bands within a dominant pyroxene garnet matrix. Skarn carries disseminated patchy pyrrhotite, enveloped by a jet black soft mineral (Fe rich chlorite?) Epiidote found in blebs towards the end of the skarn interval within small bands of red garnet zone and minor pyrrhotite.							
						MD	PK					
						MD	GN				Po	2
102.38	107.00	4.62	SKN	MG	White marble with minor patches of tan ankerite alternating with medium green pyroxene skarn horizons. Middle of the interval carries dominantly pyroxene skarn, with blebs of pyrrhotite. Along the upper and lower regious of the interval, marble and minor skarn horizons alternate with one another.							
						LT	WH					
						MD	GN					
107.00	110.00	3.00	QTE	MG	Quartzite with biotite bands displaying weak foliation within. Light green chloritized schists in patches found within. Grey quartz also found within mixed into quartzite with tan ankerite found along outer selveges.							
						LT	GN					
						LT	WH	FO				
						MD	GY					
110.00	110.57	0.57	SKN	MG	Medium green pyroxene skarn with minor epidote clasts witihn alternating with bands of marble.							
						LT	WH	FO				
						MD	GN	Mo	EPI	1I		
110.57	124.42	13.85	FFP	MG	Light green FAP dyke with patches of chlorite and purple stain in patches. Transitions to dark grey dyke with epidote and quartz clasts within, with fine acicular black grains present also. Very fine disseminated pyrite (pyrrhotite?) sporadically throughout entire interval. Dyke is weakly magnetic throughout.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY		CHL	1I	Cl	1
						MD	GN		CHL	2I	Py	0.2
124.42	136.75	12.33	HBS	MG	Light white to green quartzite with weak to moderate foliated bands of biotite schist. Quartz and biotites alternate throughout, with minor chlorite within.							
						LT	WH	FO			Cl	1
						LT	GN					
						MD	BL					
136.75	137.82	1.07	MBL	MG	Light white to green marble with minor fine grained schist (biotite) banding within towards the end of the intervbal. Small clasts of chlorite present within in patches.							
						LT	WH				Cl	1
						LT	GN					
137.82	138.78	0.96	HBS	MG	Small intervals of banded quartz biotite schists (5-10cm interval widths) with alternating bands of light to medium green diopside. Banding dissapears and transitions to diopsite with minor quartz blebs within. Minor chlorite found disseminated throuhgout. Banding at roughly 50TCA							
						LT	GN	FO			Cl	1
						MD	BL					
						LT	WH					
						MD	GN					
138.78	140.93	2.15	SKN	MG	Mottled to leopard textured medium to pale green pyroxene skarn. Skarn is exclusively pyroxene type, with no garnet zone found within. Chloritized quartz veinlets and white carbonate veinlets found within crosscutting throughout zone at 50TCA. Within the skarn, pyrrhotite that is both disseminated and found in blebs, as well as disseminated chalcopyrite are found.							
						MD	GN	Mo	CHL	1I	Po	6
								FO	CHL	2I	Cp	2
140.93	142.46	1.53	MBL	FG	White marble with sporadic green chlorite staining found pervasively throughout in patches and minor blebs.							
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
142.46	160.19	17.73	GRD	MG	Medium grey Hopper Pluton granodiorite with white clasts and black acicular actinolite within. Initial interval along upper contact dislays ~13cm of chlorite alteration and bleaching (very pale white colouration) halo along contact. Chloritized patch of granodiorite with green clasts and minor magnetic xenoliths found within, along with small <1cm stringers of barren carbonate.							
						MD	GY					
						LT	GY					
160.19	163.75	3.56	HBS	MG	Strongly foliated quartz biotite schist with biotite and serecite found within foliated bands. Quartz found alteranting. Minor garnets seen within, along with trace disseminated pyrite sporadically throughout.							
						LT	WH	FO			Py	0.1
						MD	BL					
						MD	GY					
163.75	182.93	19.18	HBS	MG	Massive biotite HBS with very strongly foliated, fine grained bands of biotie and serecite within a grey hornfels matrix. Small minor amounts of garnets (<1mm) found along bands of micas, and disseminated pyrite found within joints of the core throughout. Quartz bands found within HBS, with minor green chlorite stain overprinting the surface in patches. Bedding of the HBS follows roughly 60TCA. Quartz veining becomes stronger with depth and more prevalent, along with the banded schists becoming more metamorphosed and deformed. Minor disseminated pyrite and pyrrhotite found within.							
						MD	BL	BN	CHL	2I	Po	0.1
						MD	GY	FO	CHL	1I	Py	0.1
182.93	184.36	1.43	RHY	MG	Light grey rhyolite with white and black clasts. Quartz vein found crosscutting dyke along upper selvege. Dyke crosscuts green chlorite/biotite schist, which runs parallel to core with the contact running along the core length.							
						LT	GY					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
184.36	185.40	1.04	HBS	MG	Medium green chlorite-biotite schist (pyroxene also present) with massive foliated biotite schist banding throughout a chloritized pyroxene matrix. Grey dyke crosscuts chlorite schist at very shallow angle (5TCA) for 60cm along its upper selvege, and calc-silicate crosscuts the lower selvege at 5-10TCA irregularly.							
						MD	GN	FO	CHL	2I		
						DK	GN	Mo	CHL	3I		
						MD	BL					
185.40	186.07	0.67	CSL	MG	Light white calc-silicate interval with patchy light pink to tan carboante within, as well as minor disseminated pyrrhotite found within quartz. Very small lense of calc-silicate between chlorite-biotite schist packages.							
						LT	WH					
						LT	GN					
						MD	WH					
						MD	GN					
						LT	PK					
186.07	200.47	14.40	HBS	MG	Medium to dark green chloritized finge grianed (hornfels? Pyroxene?) with massive foliated biotite bands throughout the entire interval. Chloritized limestone present in 10-30cm intervals within, alternating between white and white/green colour. Minor disseminated pyrite and pyrrhotite found within sporadic disseminations across the CBS package can be seen, along with 0.5-1cm carbonate veinlets that spontaneously crosscut core.							
						MD	GN				Py	0.5
						DK	GN				Po	0.1
						MD	BL					
200.47	201.09	0.62	MBL	FG	Chloritized green marble (weakly acidic when scratched) with light mica schist bands displaying weak foliation within. Carbonate stringers crosscut interval throughout.							
						LT	GN		CHL	2I		
						MD	GN		CHL	3I		
						LT	WH					
						LT	TN					
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN					
201.09	205.20	4.11	CSL	MG	light white and tan to green calc-silicate unit. Quartz veining with carbonate foune along its outer selveges (vein, veinlet, stringer) crosscut and brecciate calc-silicate matrix, along with carbonate stringers, both of which vary drastically in size and orientation (0.2-15cm wide). Veining of both quartz and carbonate within occur primarily as veins, blebs, and small flooded patches throughout, with some veining displaying a net texture. Tan ankerite is present found alongside carbonate enveloped quartz veins. Weak chloritic overprinting can be seen in patches, along with patches of semi-massive deep green chlorite blebs. Sporadic veining and veinlets carry disseminated chalcopyrite, and pyrrhotite throughout, but mineralization seems random within veining.							
								BX	CHL	2I	Cp	0.5
								CR			Po	1
205.20	209.23	4.03	INT	FG	Light brown to green fine to medium grained INT dyke with heavy carbonate veining and brecciation occuring within the interval (random attitudes). Minor patches of chlorite alteration occur, carrying quartz carbonate brecciation within. Disseminated pyrite, pyrrhotite, and chalcopyrite found within chloritized carbonate/quartz vein zones. Vuggy carbonate crystal zones found in weathered pits throughout.							
						LT	BR	VU	CHL	2I	Py	0.4
						LT	GN	BX			Cp	0.2
								CR			Po	0.2
209.23	210.24	1.01	INT	FG	Fine grained light green to brown intermediate zone between light brown INT dyke with quartz/carbonate veining and brecciation, and a zone of weakly fine grained foliated mica schist with no mineralization.							
						LT	BR					
						LT	GN	FO				
210.24	216.22	5.98	HBS	FG	Moderately foliated muscovite/sericite schist with quartz and carbonate veining found within. Chalcopyrite and pyrite found within one quartz vein.							
											Py	2
						LT	BR	FO			Cp	1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	1.12	74	0.36	24	0R	4H	1W	
1.52	4.57	3.05	2.02	66	0.61	20	1R	4H	1W	
4.57	7.62	3.05	3.05	100	2.71	89	1R	4H	1W	
7.62	10.67	3.05	3.05	100	2.52	83	2R	4H	1W	
10.67	13.72	3.05	3.05	100	2.30	75	3R	5H	1W	
13.72	16.76	3.04	3.04	100	2.68	88	0R	5H	1W	
16.76	19.81	3.05	3.05	100	2.70	89	0R	5H	1W	
19.81	22.86	3.05	3.05	100	2.23	73	0R	5H	1W	
22.86	25.91	3.05	3.05	100	2.37	78	0R	5H	1W	
25.91	28.96	3.05	3.05	100	2.40	79	0R	5H	1W	
28.96	32.00	3.04	3.04	100	2.90	95	0R	5H	1W	
32.00	35.05	3.05	3.05	100	2.72	89	0R	5H	1W	
35.05	38.10	3.05	3.05	100	2.81	92	0R	5H	1W	
38.10	41.15	3.05	3.05	100	2.59	85	0R	5H	1W	
41.15	44.20	3.05	3.05	100	2.84	93	0R	5H	1W	
44.20	47.24	3.04	3.04	100	2.47	81	0R	4H	1W	
47.24	50.29	3.05	3.05	100	1.78	58	0R	4H	1W	
50.29	53.34	3.05	3.05	100	2.57	84	0R	4H	1W	
53.34	56.39	3.05	3.05	100	2.88	94	0R	4H	1W	
56.39	59.44	3.05	3.05	100	2.28	75	3R	3H	1W	
59.44	62.48	3.04	3.04	100	2.64	87	1R	4H	1W	
62.48	65.53	3.05	3.05	100	1.81	59	2R	4H	1W	
65.53	68.58	3.05	3.05	100	2.09	69	0R	5H	1W	
68.58	71.63	3.05	3.05	100	2.53	83	0R	5H	1W	
71.63	74.68	3.05	3.05	100	2.47	81	2R	4H	1W	
74.68	77.72	3.04	3.04	100	2.68	88	1R	5H	1W	
77.72	80.77	3.05	3.05	100	1.76	58	2R	4H	1W	
80.77	83.82	3.05	3.05	100	2.94	96	2R	5H	1W	
83.82	86.87	3.05	3.05	100	2.84	93	4R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	2.9	95	2.83	93	0R	4H	1W	
89.92	92.96	3.04	3.04	100	3.04	100	0R	4H	1W	
92.96	96.01	3.05	3.05	100	2.64	87	1R	4H	1W	
96.01	99.06	3.05	3.05	100	2.81	92	1R	5H	1W	
99.06	102.11	3.05	3.05	100	2.98	98	2R	4H	1W	
102.11	105.16	3.05	3.05	100	3.05	100	1R	5H	1W	
105.16	108.20	3.04	3.04	100	3.04	100	1R	5H	1W	
108.20	111.25	3.05	2.93	96	2.93	96	1R	5H	1W	
111.25	114.30	3.05	3.05	100	2.94	96	0R	5H	1W	
114.30	117.35	3.05	3.05	100	3.05	100	0R	5H	1W	
117.35	120.40	3.05	3.05	100	3.05	100	0R	5H	1W	
120.40	123.44	3.04	3.04	100	2.92	96	0R	4H	1W	
123.44	126.49	3.05	3.05	100	2.98	98	1R	4H	1W	
126.49	129.54	3.05	3.05	100	3.05	100	0R	5H	1W	
129.54	132.59	3.05	3.05	100	2.97	97	0R	5H	1W	
132.59	135.64	3.05	3.05	100	3.05	100	0R	5H	1W	
135.64	138.68	3.04	3.04	100	3.00	99	1R	5H	1W	
138.68	141.73	3.05	3.05	100	3.01	99	1R	5H	1W	
141.73	144.78	3.05	3.05	100	1.98	65	0R	5H	1W	
144.78	147.83	3.05	3.05	100	2.46	81	0R	5H	1W	
147.83	150.88	3.05	3.05	100	3.05	100	0R	5H	1W	
150.88	153.92	3.04	3.04	100	2.65	87	0R	5H	1W	
153.92	156.97	3.05	3.05	100	1.78	58	0R	5H	1W	
156.97	160.02	3.05	3.05	100	2.41	79	0R	5H	1W	
160.02	163.07	3.05	2.97	97	2.23	73	1R	4H	1W	
163.07	166.12	3.05	3.05	100	2.95	97	0R	5H	1W	
166.12	169.16	3.04	3.04	100	2.53	83	0R	5H	1W	
169.16	172.21	3.05	3.05	100	2.97	97	0R	5H	1W	
172.21	175.26	3.05	3.05	100	2.67	88	0R	4H	1W	
175.26	178.31	3.05	3.05	100	2.69	88	0R	4H	1W	
178.31	181.36	3.05	3.05	100	2.60	85	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	3.04	100	2.95	97	0R	5H	1W	
184.40	187.45	3.05	3.05	100	2.95	97	0R	4H	1W	
187.45	190.50	3.05	3.05	100	3.05	100	0R	4H	1W	
190.50	193.55	3.05	3.05	100	2.58	85	0R	4H	1W	
193.55	196.60	3.05	3.05	100	3.05	100	0R	3H	1W	
196.60	199.64	3.04	3.04	100	3.04	100	3R	3H	1W	
199.64	202.69	3.05	3.05	100	2.87	94	1R	3H	1W	
202.69	205.74	3.05	2.94	96	2.73	90	0R	4H	1W	
205.74	208.79	3.05	3.05	100	2.56	84	2R	3H	1W	
208.79	211.84	3.05	3.05	100	2.35	77	1R	3H	1W	
211.84	214.88	3.04	3.04	100	2.13	70	0R	3H	1W	
214.88	216.22	1.34	1.33	99	1.12	84	0R	4H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.16	MBL	
2	0.45	MBL	
3	8.32	MBL	
4	0.47	MBL	
5	0.04	SKN	
6	16.2	SKN	
7	16.7	SKN	
8	4.18	SKN	
9	2.37	SKN	
10	2.29	SKN	
11	0.26	FAP	
12	0.24	AND	
13	0.55	AND	
14	0.57	AND	
15	0.92	AND	
16	0.28	AND	
17	0.32	AND	
18	0.22	FFP	
19	0.22	FFP	
20	0.2	FFP	
21	0.2	FFP	
22	0.26	FFP	
23	0.24	FFP	
24	0.2	FFP	
25	1.33	AND	
26	0.34	FFP	
27	0.12	FFP	
28	0.88	FFP	
29	0.18	FFP	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	1.59	GRD	
31	18.5	GRD	
32	26.3	GRD	
33	29.8	GRD	
34	20.3	GRD	
35	4.92	GRD	
36	0.59	GRD	
37	8.28	GRD	
38	0.2	GRD	
39	2.17	GRD	
40	26.7	GRD	
41	8.67	GRD	
42	0.9	GRD	
43	11.4	GRD	
44	0.88	GRD	
45	0.22	GRD	
46	0.2	GRD	
47	0.16	GRD	
48	0.14	GRD	
49	1.2	AND	
50	7.64	AND	
51	14	AND	
52	16.5	AND	
53	17.5	AND	
54	9.45	AND	
55	23.6	AND	
56	24.1	AND	
57	16.3	AND	
58	0.67	AND	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	15.8	AND	
60	28.3	AND	
61	24.8	AND	
62	25.4	AND	
63	19.3	AND	
64	0.28	FFP	
65	0.14	FFP	
66	0.45	FFP	
67	7.54	FFP	
68	3.13	FFP	
69	0.34	FFP	
70	0.28	FFP	
71	0.22	FAP	
72	0.26	FAP	
73	0.22	FAP	
74	0.16	FAP	
75	0.32	FAP	
76	0.2	FAP	
77	0.22	HBS	
78	0.32	LST	
79	0.18	HBS	
80	0.59	HBS	
81	0.79	HBS	
82	0.9	HBS	
83	0.53	LST	
84	0.123	LST	
85	0.18	MBL	
86	0.96	MBL	
87	0.36	MBL	
88	1.14	HBS	
89	0.34	HBS	
90	1.1	HBS	
91	0.51	HBS	
92	0.49	HBS	
93	0.59	HBS	
94	0.53	HBS	
95	0.79	HBS	
96	1.1	HBS	
97	0.51	HBS	
98	2.39	HBS	
99	1.45	SKN	
100	6.17	SKN	
101	1.68	SKN	
102	1.72	SKN	
103	0.16	SKN	
104	0.34	SKN	
105	1.43	SKN	
106	1.72	SKN	
107	0.9	QTE	
107	0.9	SKN	
108	0.12	QTE	
109	0.26	QTE	
110	0.94	QTE	
110	0.94	SKN	
111	0.92	FFP	
112	11.5	FFP	
113	30.3	FFP	
114	8.97	FFP	
115	26.4	FFP	
116	22.2	FFP	
117	21.4	FFP	
118	23.9	FFP	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
119	13.4	FFP	
120	14.7	FFP	
121	29.6	FFP	
122	32.4	FFP	
123	0.28	FFP	
124	21.9	FFP	
125	0.22	HBS	
126	0.06	HBS	
127	0.92	HBS	
128	0.2	HBS	
129	0.14	HBS	
130	0.16	HBS	
131	0.1	HBS	
132	2.46	HBS	
133	1.1	HBS	
134	0.14	HBS	
135	0.04	HBS	
136	0.14	HBS	
137	0.24	MBL	
138	0.77	HBS	
139	2.87	SKN	
140	49	SKN	
141	1.84	MBL	
142	0.47	MBL	
143	2.31	GRD	
144	8.22	GRD	
145	4.4	GRD	
146	3.21	GRD	
147	4.01	GRD	
148	3.85	GRD	
149	6.94	GRD	

Depth (m)	Magnetic Susceptibility	Unit	Comments
150	4.01	GRD	
151	2.74	GRD	
152	2.27	GRD	
153	3.97	GRD	
154	3.21	GRD	
155	3.07	GRD	
156	4.65	GRD	
157	4.44	GRD	
158	4.4	GRD	
159	4.31	GRD	
160	3.85	GRD	
161	5.16	HBS	
162	3.38	HBS	
163	4.05	HBS	
164	0.9	HBS	
165	0.22	HBS	
166	3.32	HBS	
167	1.88	HBS	
168	5.14	HBS	
169	0.41	HBS	
170	1	HBS	
171	2.13	HBS	
172	1.8	HBS	
173	7.23	HBS	
174	1.29	HBS	
175	2.21	HBS	
176	0.51	HBS	
177	5.74	HBS	
178	1.66	HBS	
179	0.38	HBS	
180	0.82	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
181	0.32	HBS	
182	1.78	HBS	
183	0.32	RHY	
184	0.69	RHY	
185	0.26	HBS	
186	2.37	CSL	
187	1.57	HBS	
188	0.55	HBS	
189	0.98	HBS	
190	1.18	HBS	
191	14.1	HBS	
192	13.1	HBS	
193	0.14	HBS	
194	1.14	HBS	
195	1.31	HBS	
196	1.04	HBS	
197	0.92	HBS	
198	0.61	HBS	
199	0.9	HBS	
200	1.57	HBS	
201	0.26	MBL	
202	0.24	CSL	
203	0.94	CSL	
204	0.51	CSL	
205	0.3	CSL	
206	0.47	INT	
207	0.26	INT	
208	0.32	INT	
209	0.3	INT	
210	0.51	INT	
211	0.67	HBS	
212	0.47	HBS	
213	0.2	HBS	
214	0.32	HBS	
215	0.2	HBS	
216	0.65	HBS	

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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	S052902	☐	b00-005	5	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052893	☐	B00-004	Batch 4		☑	☐	☐
5.32	7.91	2.59	SKN, SKN	2.57	99	S052882	☐	B00-004	Batch 4		☐	☐	☐
7.91	10.35	2.44	SKN	2.34	96	S052883	☐	B00-004	Batch 4		☐	☐	☐
7.91	10.35	2.44	SKN	2.34	96	S052884	☐	B00-004	Batch 4		☐	☐	☑
98.75	100.06	1.31	SKN	1.31	100	S052885	☐	B00-004	Batch 4		☐	☐	☐
100.06	101.06	1.00	SKN	1.00	100	S052886	☐	B00-004	Batch 4		☐	☐	☐
101.06	102.37	1.31	SKN	1.31	100	S052887	☐	B00-004	Batch 4		☐	☐	☐
137.83	138.83	1.00	HBS	1.00	100	S052895	☐	b00-005	5		☐	☐	☐
138.83	140.93	2.10	SKN	2.09	100	S052888	☐	B00-004	Batch 4		☐	☐	☐
140.93	142.50	1.57	MBL, SKN	1.57	100	S052896	☐	b00-005	5		☐	☐	☐
184.38	187.38	3.00	HBS	3.00	100	S052897	☐	b00-005	5		☐	☐	☐
187.38	190.38	3.00	HBS	3.00	100	S052898	☐	b00-005	5		☐	☐	☐
190.38	193.35	2.97	HBS	2.97	100	S052899	☐	b00-005	5		☐	☐	☐
193.35	196.35	3.00	HBS	1.00	33	S052900	☐	b00-005	5		☐	☐	☐
196.35	199.35	3.00	HBS	3.00	100	S052901	☐	b00-005	5		☐	☐	☐
199.35	200.46	1.11	HBS	1.11	100	S052903	☐	b00-005	5		☐	☐	☐
200.46	201.98	1.52	HBS	1.52	100	S052889	☐	B00-004	Batch 4		☐	☐	☐
200.46	201.98	1.52	HBS	1.52	100	S052890	☐	B00-004	Batch 4		☐	☑	☐
201.98	203.93	1.95	CSL	1.95	100	S052891	☐	B00-004	Batch 4		☐	☐	☐
203.93	205.74	1.81	CSL	1.61	89	S052892	☐	B00-004	Batch 4		☐	☐	☐
205.74	208.79	3.05	INT	3.05	100	S052894	☐	B00-004	Batch 4		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	5.32						☐	☐	☐	☐	
B00-004	S052893	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
b00-005	S052902	0.00	0.00	1.75	143		33	2.1	☐	☐	☐	☑ ME-16	
B00-004	S052882	5.32	7.91	0.04	8		0	0.1	☐	☐	☐	☐	
B00-004	S052883	7.91	10.35	0.11	20		0	0.1	☐	☐	☐	☐	
B00-004	S052884	7.91	10.35	0.10	20		0	0.0	☐	☑	☐	☐	
		10.35	98.75						☐	☐	☐	☐	
B00-004	S052885	98.75	100.06	0.03	4		1	0.1	☐	☐	☐	☐	
B00-004	S052886	100.06	101.06	0.01	1		0	0.1	☐	☐	☐	☐	
B00-004	S052887	101.06	102.37	0.04	56		0	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
b00-005	S052895	137.83	138.83	0.00	2		0	0.1	☐	☐	☐	☐	
B00-004	S052888	138.83	140.93	0.01	1		0	0.1	☐	☐	☐	☐	
b00-005	S052896	140.93	142.50	0.00	1		1	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
b00-005	S052897	184.38	187.38	0.01	2		0	0.7	☐	☐	☐	☐	
b00-005	S052898	187.38	190.38	0.00	1		0	0.6	☐	☐	☐	☐	
b00-005	S052899	190.38	193.35	0.00	1		0	0.5	☐	☐	☐	☐	
b00-005	S052900	193.35	196.35	0.00	1		0	0.5	☐	☐	☐	☐	
b00-005	S052901	196.35	199.35	0.00	4		0	0.3	☐	☐	☐	☐	
b00-005	S052903	199.35	200.46	0.00	1		0	0.5	☐	☐	☐	☐	
B00-004	S052889	200.46	201.98	0.01	15		2	0.6	☐	☐	☐	☐	
B00-004	S052890	200.46	201.98	0.01	19		2	0.6	☑	☐	☐	☐	
B00-004	S052891	201.98	203.93	0.03	55		11	0.5	☐	☐	☐	☐	
B00-004	S052892	203.93	205.74	0.02	67		9	0.2	☐	☐	☐	☐	
B00-004	S052894	205.74	208.79	0.03	52		8	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
35.65	35.67	VN	37	40	NUL	1	Small stringers of pyrrhotite and chalcopyrite with blebby pyrrhoite within siliceous granodiorite			
								Po	15	BL
								Cp	3	DI
41.01	41.02	VT	37	45	NUL	1	0.3cm carbonate veinlet with an oxidized halo			
46.98	46.99	VT	37	45	NUL	1	0.3cm carbonate veinlet			
52.21	52.22	VT	37	25	NUL	1	Shallow dipping 0.2cm carboante veinlet with chlorite and minor hematite/oxidation staining			
								He	0.5	DI
54.30	54.31	VT	37	40	NUL	1	0.3cm carbonate veinlet with minor chlorite within			
								Cl	1	DI
55.42	55.43	VT	37	45	NUL	1	0.3cm carbonate veinlets with minor chlorite			
								Cl	1	DI
59.30	59.31	VT	37	70	NUL	1	1cm carbonate veinlet			
59.53	59.54	VT	37	40	NUL	2	0.5cm carbonate veinlets crosscutting at the same attitude, but towards one another.			
62.57	62.58	VT	37	70	NUL	1	1cm carbonate veinlet			
74.28	74.48	VB	37	45	NUL	1	Net textured 20cm quatz/carbonate vein brecciating light green to brown QFP dyke. Oxidation found in patches throughout. Tan ankerite found alongside carbonate.			
83.54	83.74	VN	37	40	NUL	1	Tan ankerite enveloping a quartz vein, with grey carbvonate patchers within. Ankerite envelopment is 1-2cm along either selvege of quartz vein.			
								Ak	4	BN
92.84	93.10	VN	37	-	NUL	2	Irregular net texture of carbonate and ankerite veining crosscutting stained oxidized mica schists.			
105.50	106.04	VN	37	20	NUL	3	3 1-1.5cm carbonate vins at roughly 20TCA with minor quartz within enveloped by carbonate.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
140.72	140.73	VT	37	40	NUL	1	0.7cm carbonate veinlet with pyrhite and pyrrrhotite found disseminated along outer selveges of vein, and chlorite within. Found within pyroxene skarn.			
								Py	1	DI
								Po	0.5	DI
164.50	164.51	SH	81	50	NUL	1	Small carbonate stringer along a healed hornfels-biotite schist joint. 1.5cm of sinistral slip seen along stringer			
168.00	168.10	VN	37	60	NUL	1	Quartz intrusion into hornfels-biotite schist with mottled biotite schist and chlorite stain within. Disseminated pyrrhotite found along lower selvege, along with minor chlorite.			
								Po	1	DI
								Cl	1	DI
201.13	205.74	VB	37	45	NUL	22	Sporadic carbonate/quartz veining crosscutting at an average attitude of 45TCA (quite a bit of variation), crosscutting light tan to green calc-silicate brecciating the host rock. 2-10cm wide veins within, with sporadic chalcopyrite and pyrrhotite found along the selveges and in close proximity to random veins.			
								Po	3	DI
								Cp	2	DI
202.93	202.95	VN	37	50	NUL	1	Quartz/carbonate veins with carbonate enveloping quartz veins. Found within chloritic calc-silicate			
207.69	208.25	VB	37	-	NUL	1	Sporadic quartz veining (greater than 1cm but lots of variation) enveloped by carbonate along the outer selveges of the veins, that brecciate in a net texture host QFP dyke/.			
215.88	215.95	VN	37	45	NUL	1	7cm quartz vein crosscutting light coloured mica schist. Vein hosts local isolated blebs of pyrite and chalcopyrite.			
								Cp	2	BL
								Py	4	BL

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397339	6795311	1280	443.48

ZONE: Hopper

SECTION:

HOLE: HOP-16-014

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 14 - Sep 19, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
4.57	263.9	-69.9	Reflex
443.48	279.2	-69.9	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	16.8	16.8	HBS
16.8	19.77	2.97	AND
19.77	22.01	2.24	HBS
22.01	23.72	1.71	LST
23.72	26.66	2.94	HBS
26.66	27.64	0.98	AND
27.64	30.08	2.44	HBS
30.08	31.67	1.59	FAP
31.67	33.82	2.15	HBS
33.82	36.19	2.37	AND
36.19	44.48	8.29	HBS
44.48	45	0.52	AND
45	46.34	1.34	HBS
46.34	47.08	0.74	AND
47.08	54.61	7.53	HBS
54.61	55	0.39	LST

SAMPLES	
Numbers:	S052904 to S052977
Total:	74
Batch:	005, 006, 007
Certificates:	WH16158761, WH16161296, WH16161298

COMMENTS

55	62.22	7.22	HBS
62.22	72.04	9.82	SKN
72.04	101.18	29.14	HBS
101.18	103.03	1.85	SKN
103.03	109.18	6.15	HBS
109.18	114.79	5.61	SKN
114.79	119.72	4.93	HBS
119.72	121.99	2.27	SKN
121.99	125.82	3.83	HBS
125.82	128.31	2.49	SKN
128.31	128.79	0.48	HBS
128.79	129.31	0.52	FAP
129.31	135.64	6.33	HBS
135.64	136.58	0.94	SKN
136.58	137.56	0.98	HBS
137.56	138.84	1.28	SKN
138.84	140.17	1.33	HBS
140.17	146.88	6.71	INT
146.88	148.03	1.15	HBS
148.03	150.95	2.92	CSL
150.95	153.53	2.58	INT
153.53	157.95	4.42	HBS
157.95	159.43	1.48	SKN
159.43	160.02	0.59	HBS
160.02	161.13	1.11	SKN
161.13	163	1.87	CSL
163	164.51	1.51	HBS
164.51	168.55	4.04	CSL
168.55	181.86	13.31	HBS
181.86	189.41	7.55	SKN
189.41	211.7	22.29	HBS
211.7	217.93	6.23	SKN

217.93	226	8.07	GRD
226	231.01	5.01	SKN
231.01	264.39	33.38	HBS
264.39	274.97	10.58	SKN
274.97	276.05	1.08	QTE
276.05	278.74	2.69	SKN
278.74	280.4	1.66	HBS
280.4	280.98	0.58	QTE
280.98	286.62	5.64	HBS
286.62	312.63	26.01	MNZ
312.63	316.76	4.13	HBS
316.76	317.4	0.64	SKN
317.4	321.3	3.9	HBS
321.3	322.9	1.6	SKN
322.9	332.91	10.01	HBS
332.91	343.64	10.73	DAC
343.64	347.18	3.54	SKN
347.18	362.48	15.3	HBS
362.48	367.13	4.65	SKN
367.13	377.53	10.4	HBS
377.53	378.04	0.51	SKN
378.04	378.38	0.34	HBS
378.38	378.75	0.37	SKN
378.75	379.39	0.64	HBS
379.39	381.9	2.51	SKN
381.9	385.08	3.18	HBS
385.08	386.34	1.26	SKN
386.34	412.4	26.06	HBS
412.4	441.82	29.42	GRD
441.82	443.48	1.66	HBS

Box Log

HOP-16-014

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.17
2	5.17	9.43
3	9.43	13.71
4	13.71	17.81
5	17.81	22.13
6	22.13	26.26
7	26.26	30.4
8	30.4	35.05
9	35.05	38.98
10	38.98	43.42
11	43.42	47.39
12	47.39	51.51
13	51.51	56.26
14	56.26	60.11
15	60.11	64.36
16	64.36	68.88
17	68.88	73.14
18	73.14	77.14
19	77.14	81.32
20	81.32	85.58
21	85.58	90.09
22	90.09	95.35
23	95.35	99.49
24	99.49	103.93
25	103.93	108.06
26	108.06	112.39
27	112.39	116.94
28	116.94	121.15
29	121.15	125.5
30	125.5	129.76
31	129.76	134.08
32	134.08	138.23
33	138.23	142.52
34	142.52	146.58
35	146.58	151.02
36	151.02	155.09
37	155.09	159.43
38	159.43	163.78
39	163.78	168.15
40	168.15	172.48
41	172.48	176.97
42	176.97	181.36
43	181.36	185.54
44	185.54	189.77
45	189.77	193.91
46	193.91	198.36
47	198.36	202.56
48	202.56	206.78
49	206.78	211.16
50	211.16	215.5
51	215.5	219.62
52	219.62	224.03
53	224.03	228.1
54	228.1	232.81
55	232.81	237.2
56	237.2	241.96
57	241.96	246.48
58	246.48	250.79
59	250.79	255.27
60	255.27	259.79
61	259.79	264.1
62	264.1	268.49
63	268.49	272.95
64	272.95	277.4
65	277.4	281.84
66	281.84	286.06
67	286.06	290.85
68	290.85	294.79
69	294.79	299.19
70	299.19	303.57
71	303.57	307.88
72	307.88	312.1
73	312.1	316.09
74	316.09	320.34
75	320.34	324.54
76	324.54	328.72
77	328.72	332.91
78	332.91	337.12
79	337.12	341.72
80	341.72	346.11
81	346.11	350.54
82	350.54	354.87
83	354.87	359.25
84	359.25	363.52
85	363.52	367.67
86	367.67	372.05
87	372.05	376.43
88	376.43	380.83
89	380.83	385.15
90	385.15	389.43

Box Number	From (m)	To (m)
91	389.43	393.73
92	393.73	398.12
93	398.12	402.42
94	402.42	406.78
95	406.78	411.03
96	411.03	414.7
97	414.7	419.1
98	419.1	423.64
99	423.64	428.02
100	428.02	432.56
101	432.56	436.63
102	436.63	440.83
103	440.83	443.48

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	16.80	16.80	HBS	FG	Moderately foliated, fine grained biotite schist, moderately fractured. Foliation at 80 degrees to core axis. Small blebs of quartz found sporadically throughout. Intervals of moderately oxidized (pervasive and stained). Hornfels-biotite schist within quartz bands (~2 cm).							
						MD	GY	FO	OXI	2I	Py	2
						DK	GY		OXI	3I		
						DK	PU					
16.80	19.77	2.97	AND	FG	Medium black to dark grey fine grained andesite. Andesite interval carried oxidized veins of quartz? With calcite stringers within.							
						DK	GN	MA	OXI	1I	--	0
						DK	GY					
19.77	22.01	2.24	HBS	FG	Dark grey, medium green to dark purple, well foliated hornfels-biotite schist transitioning to medium/dark green chlorite/pyroxene altered schist with large patches of disseminated pyrrhotite. Transitions back into hornfels-biotite schist.							
						MD	GN					
						DK	GY	FO	CHL	1I	Po	2.5
						DK	GN					
						DK	PU					
22.01	23.72	1.71	LST	FG	Fine grained, moderate to strongly pervasively oxidized limestone that has been highly fractured in sections up to 20 cm. Quartz veins about 2-3 cm (barren) within sporadically. Limestone is very soft and broken down in sections (weathering?). Limestone weakly banded.							
						MD	OR	BN	OXI	3I	--	0
23.72	26.66	2.94	HBS	FG	Well foliated, dark grey to medium grey hornfels-biotite schist with large biotite intervals (up to 1 m) interrupted by quartz. Pervasive oxidization found at start of interval, carrying from limestone above. Calcite veinlets and stringers found within that have been moderately oxidized throughout. Last 50 cm of interval is strongly silicified.							
						MD	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.
26.66	27.64	0.98	AND	FG	Dark grey andesite dyke with oxidation within sporadic calcite stringers pervasively.							
						DK	GY	MA	OXI	2I	--	0
27.64	30.08	2.44	HBS	FG	Biotite/sericite altered schist (dark to medium grey) with sporadic quartz within matrix. Oxidized calcite veinlets within lighter schist.							
						MD	OR					
						MD	GY					
						DK	GY	FO	SER	4I	--	0
30.08	31.67	1.59	FAP	CG	Dark grey porphyritic dyke with medium grained white clasts within.							
						DK	GY	PO	---	--	--	0
31.67	33.82	2.15	HBS	FG	Weakly foliated, fine grained dark grey to medium grey hornfels-biotite schist. Minor quartz found within interval as small lenses. Minor pyrrhotite and pyrite found disseminated within minor calcite veinlets.							
						MD	GY				Py	0.2
						DK	GY	FO	---	--	Po	0.2
33.82	36.19	2.37	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							
						DK	GY	MA	---	--	--	0
						DK	GN					
36.19	44.48	8.29	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding.							
						MD	GY		CHL	1I		
						DK	GY	FO	OXI	1I	--	0
44.48	45.00	0.52	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							
						DK	GY	MA	---	0I	--	0
						DK	GN		---	0I		
45.00	46.34	1.34	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding.							
						MD	GY		CHL	1I		
						DK	GY	FO	OXI	1I	--	0
46.34	47.08	0.74	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	MA	---	--	--	0
						DK	GN					
47.08	54.61	7.53	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding. Contains a patch of dark pyroxene rich schist within bands. Foliation transitions to strong foliated biotite/chlorite schist with depth (52.64-64.86). Tan ankerite veinlets found sporadically within +/- calcite veins.							
						DK	GY	FO	OXI	2I	--	0
						DK	GN					
54.61	55.00	0.39	LST	FG	Oxidized and banded limestone with wavy and irregular bands within minor limestone. Strain present along fractures.							
						LT	GY	BN	---	0I	--	0
55.00	62.22	7.22	HBS	FG	Fine grained, well foliated, pervasively oxidized hornfels-biotite schist. Dendritic manganese present within in fine grained amounts. Patchy pervasively oxidized with weakly foliated biotite in bands alternating with quartz. Small rare calcite stringers present cross-cutting all rock types within displaying oxide.							
						MD	OR	FO	OXI	2I	--	0
						MD	GY					
						LT	GY					
62.22	64.65	2.43	SKN	FG	Medium green to light green banded, moderately ankerite altered pyroxene-chlorite-actinolite skarn hosting intermittent intervals of strong blebby chalcopyrite up to 20 cm. Overall interval chalcopyrite is 1%. Ankerite found as blebs and bands within skarn.							
						MD	GN					
						LT	GN	BN	ANK	3I	Cp	1
64.65	72.04	7.39	SKN	FG	Massive to banded, light to medium green pyroxene-chlorite-actinolite skarn with top 2 m of interval hosting strong open parasitic folds within bedding. A 4 cm wide magnetite-serpentine? Vein with weak hematite alteration within interval. A 5 cm band of green to black actinolite? Hosts strong chalcopyrite (20%). Minor dark grey quartz veinlets. Hematite-calcite veinlets and calcite veinlets found locally.							
						MD	GN	BN			Mg	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	BN					
						LT	GN	MA	CHL	3I	Cp	0.01
72.04	82.47	10.43	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Weak oxidized staining along fractures and within seams. A 20 cm interval of massive pyroxene-actinolite-ankerite skarn with moderate chlorite alteration as blebs. Trace blebby molybdenite found as patches along calcite veinlets/seams.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
82.47	89.05	6.58	HBS	FG	Strongly sericite altered, well foliated, light green to tan to dark grey, moderately oxidized hornfels-biotite schist. Moderate quartz-carbonate veining pervasive and up to 4 cm silica flooded bands. Mineralized quartz-carb breccia in centre of interval -> Dark to medium grey quartz vein breccia with dark to medium grey fine grained matrix with dark grey and white angular to sub-angular quartz fragments ranging from 1 mm to 1 cm. Vugs found locally. Minor ankerite rims clasts. Chalcopyrite found as blebs within the matrix and dark grey quartz veins.							
						LT	GN	FO	SER	5I	Cp	0.01
						LT	TN		OXI	3I		
						DK	GY					
89.05	99.49	10.44	HBS	FG	Dark orange to medium orange to light grey rubbly, strongly oxidized hornfels-biotite schist within large fault zone. Abundant quartz-carbonate breccias found intermittently and moderate malachite staining on fractures locally, especially in more quartz-carbonate rich veined areas. Relict strong sericite altered hornfels-biotite schist found intermittently in less altered zones.							
						MD	OR	BX	OXI	5I	Ml	0.1
						LT	GY					
						DK	OR	RB	SER	2I		
99.49	101.18	1.69	HBS	FG	Well foliated, medium orange to light grey hornfels-biotite schist with moderate to strong calcite veining found locally and up to 2 cm.							
						MD	OR	FO	OXI	3I	--	0
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
103.03	109.18	6.15	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						MD	OR	FO	CHL	3I	--	0
						LT	GN		OXI	2I		
						DK	GY					
109.18	114.79	5.61	SKN	FG	Dark green to tan to dark red to medium orange, brecciated to massive pyroxene-ankerite-hematite-chlorite skarn hosting blebby chalcopyrite pervasively. Hematite found locally as blebs, veinlets and patches throughout much of the interval and found associated with calcite veinlets/seams. Quartz veins found locally and are cut by later quartz bands along bedding. Brecciated areas are mostly associated with ankerite altered clasts. Chalcopyrite is also found within garnet skarn as blebs and within areas of moderate to strong hematite alteration.							
						LT	TN	BN	HEM	2I		
						DK	GN	BX	OXI	2I	Cp	0.5
						DK	RD					
114.79	119.72	4.93	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						MD	OR	FO	CHL	3I	--	0
						LT	GY					
						DK	OR		OXI	2I		
119.72	121.99	2.27	SKN	FG	Light green to medium green, massive pyroxene-actinolite skarn with moderate calcite veining and minor light green to milky white quartz veins.							
						MD	GN					
						LT	GN	MA	---	--	--	0
121.99	125.82	3.83	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						LT	OR	FO	OXI	2I	--	0
						DK	PU					
						DK	GY					
125.82	128.31	2.49	SKN	FG	Well banded to brecciated, medium green to light pink pyroxene-garnet-ankerite skarn with trace disseminated chalcopyrite pervasively. Minor chlorite alteration found locally. Trace hematite-calcite veinlets found locally.							
						MD	GN	BN	HEM	1I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	BX				
128.31	128.79	0.48	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
128.79	129.31	0.52	FAP	CG	Dark green, coarse grained feldspar andesite porphyry dyke with feldspar minerals being altered to clay locally and mafic minerals up to 0.5 mm altered strongly to chlorite.							
						DK	GN	PO	CHL	3I	--	0
						DK	GY		CLY	1I		
129.31	135.64	6.33	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
135.64	136.58	0.94	SKN	FG	Mottled pyroxene=garnet skarn. Moderate malachite along fractures. Unit is weakly oxidized and moderate calcite veinlets are pervasive. Blebby chalcopyrite is found disseminated within skarn.							
						MD	GN	Mo	---	--	Cp	0.5
						LT	PK					
136.58	137.56	0.98	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						MD	OR					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
137.56	138.84	1.28	SKN	FG	Massive to banded/foliated, medium green pyroxene-actinolite skarn with trace garnet banding and subangular ankerite clasts up to 5x5 cm. Moderate calcite-chalcopyrite veins pervasive. Strong actinolite-diopside band (5 cm wide) hosting up to 10% chalcopyrite and black, non-magnetic veinlets/seams pervasively. A 10 cm interval of fine grained dyke in centre of interval.							
						MD	GN	BN				
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	MA	---	--	Cp	0.1
138.84	140.17	1.33	HBS	FG	Medium orange, dark grey to purple, well foliated hornfels-biotite schist with moderate calcite alteration with veinlets and angular clasts pervasively. "weathered looking".							
						MD	OR					
						DK	PU	FO	OXI	2I	--	0
						DK	GN					
140.17	146.88	6.71	INT	FG	Light grey to light brown, intermediate dyke with moderate army green clay alteration along fractures with or without calcite. Moderate calcite veins up to 2 cm found locally.							
						LT	GY	MA	CLY	2I	--	0
						LT	BN					
146.88	148.03	1.15	HBS	FG	Dark grey to purple to light grey hornfels-biotite schist. Intermittent massive pyroxene skarn over 20 cm. Minor oxidation along fractures and minor garnet along foliation.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
148.03	150.95	2.92	CSL	FG	Moderately silicified, light grey to light green banded to foliated calc-silicate. Mostly light grey moderately silicified calc-silicate to marble with trace chalcopyrite within calc-silicate sections.							
						LT	GN	FO				
						LT	GY	BN	SIL	2I	Cp	0.01
150.95	153.53	2.58	INT	FG	Light grey to light brown, intermediate dyke Moderate calcite veins up to 2 cm found locally.							
						LT	GY	MA	---	--	--	0
						LT	BN					
153.53	157.95	4.42	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist with moderate oxide stain along fractures and within seams. A 30 cm wide zone of actinolite-tremolite skarn with moderate garnet? Up to 1 x 1 cm disseminated (5%) and strongly altered to chlorite? Last 2 m comprises a fault zone consisting of rubbly and gouge with moderate quartz-carbonate veining. A 10 cm wide interval at the bottom contains calcite with strong goethite within vugs and along fractures.							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	OR					
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
157.95	159.43	1.48	SKN	FG	Pyroxene>>garnet skarn and massive to sericite altered hornfels for last 1 metre of interval with intermittent pyroxene>garnet skarn. No visible mineralization.							
						MD	GN	MA	SER	2I	--	0
						LT	PK					
						DK	GN	FO				
159.43	160.02	0.59	HBS	FG	Moderately chlorite altered, weakly sericite altered, dark green to grey to purple to tan hornfels-biotite schist with weak oxidation along fractures.							
						LT	GY		OXI	1I		
						LT	TN					
						DK	GY	FO	CHL	2I	--	0
						DK	PU		SER	1I		
160.02	161.13	1.11	SKN	MG	Medium grained, dark grey to green to light grey leopard textured actinolite-tremolite skarn with minor calcite-chlorite veinlets pervasive. No visible mineralization.							
						DK	GY	Mo	---	0I	--	0
						DK	GN					
161.13	163.00	1.87	CSL	FG	Light grey to light green banded calc-silicate with the last 50 cm of interval comprising banded to mottled pyroxene->garnet skarn with no visible mineralization.							
						MD	GN					
						LT	GY	BN	---	0I	--	0
						LT	GN					
163.00	164.51	1.51	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Weak, light grey crystalline quartz along foliation up to 1 cm. Moderate dark purple garnets up to 0.5 cm along foliation. Trace disseminated pyrite pervasive.							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
164.51	168.55	4.04	CSL	FG	Well banded, light green (80%) and light grey (20%) calc-silicate with minor calcite-chlorite veinlets found locally. Minor unmineralized mottled pyroxene>garnet skarn up to 5 cm found locally (minor).							
						LT	GN	BN	---	--	--	0
						LT	GY					
168.55	175.10	6.55	HBS	FG	Well foliated, dark grey to purple to green hornfels-biotite schist. Minor intermittent bands up to 2 cm of pyroxene>garnet skarn (unmineralized). Garnet up to 1 cm found locally along foliation. Trace quartz found intermittently. Minor oxidation along fractures.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
175.10	181.86	6.76	HBS	FG	Intermittent dark grey to purple to light grey hornfels-biotite schist (50%) and light to medium green to light pink banded to mottled pyroxene>garnet skarn. Trace calcite-hematite-chalcopyrite veinlets found locally within skarn. Trace fine to medium grained blebby chalcopyrite also found in more dark green pyroxene rich areas.							
						MD	GN					
						LT	GY	Mo				
						DK	GY	FO	---	0I	--	0
						DK	PU	BN				
						DK	GN					
181.86	183.64	1.78	SKN	CG	Coarse grained actinolite-tremolite skarn with patchy to leopard-like textures. Minor calcite along fractures and minor areas of weak silica flooding.							
						MD	GN	Mo	---	--	--	0
						DK	GY					
183.64	187.31	3.67	SKN	FG	Pyroxene-actinolite-garnet skarn. Pyroxene-garnet for first 2 metres hosts up to 2% chalcopyrite with trace blebby molybdenite, locally. Local garnets appear zoned and appear to be altering to chlorite (weak). Last part of the interval is massive pyroxene-actinolite-chlorite skarn hosting about 1 % chalcopyrite as blebs and within seams (chlorite filled?) Minor hematite-calcite veinlets found locally.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	---	--	Cp	1.5
						LT	GN	BN			mo	0.1
						DK	PK	Mo				
187.31	189.00	1.69	SKN	FG	Black, semi-massive magnetite skarn with minor and local serpentine bands. Zones with lesser magnetite hosts bleached pyroxene skarn with salt and pepper like in appearance.							
						LT	GN				Mg	50
						DK	BL	MA	---	0I	Cp	3
189.00	189.41	0.41	SKN	FG	Pyroxene-actinolite-garnet skarn. Pyroxene-garnet for first 2 metres hosts up to 2% chalcopyrite with trace blebby molybdenite, locally. Local garnets appear zoned and appear to be altering to chlorite (weak). Last part of the interval is massive pyroxene-actinolite-chlorite skarn hosting about 1 % chalcopyrite as blebs and within seams (chlorite filled?) Minor hematite-calcite veinlets found locally.							
						MD	GN	Mo	---	0I	Cp	0.5
						DK	BL	BN				
189.41	211.70	22.29	HBS	FG	Well foliated, light grey to dark grey hornfels-biotite schist with strong chlorite veinlets with bleached to silicified selvages up to 2 cm with zones of bleached/siliceous core. Dominantly dark grey to purple to light grey, well foliated hornfels-biotite schist with local moderately chlorite altered zones sporadically.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	GN					
211.70	217.93	6.23	SKN	FG	Pyroxene>garnet skarn. Pyroxene-actinolite skarn with local zones of ankerite alteration as flooding. Chalcopyrite is found mostly within pyroxene-actinolite-magnetite skarn as blebs, disseminated and bands. Elsewhere, chalcopyrite is only disseminated and trace within pyroxene-actinolite skarn. Chalcopyrite is also found within hematite veinlets locally. Interval varies from massive to mottled.							
						MD	GN	Mo	---	0I	Cp	0.2
						LT	PK	MA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	BN				
217.93	226.00	8.07	GRD	MG	Equigranular, light grey hornblende-biotite granodiorite with minor quartz-chalcopyrite veinlets found locally and steeply dipping. Chilled margins are dark green and about 30 cm wide. Local zones of weak oxide alteration along fractures.							
						LT	GY	EQ	OXI	1I	--	0
226.00	231.01	5.01	SKN	FG	Dominantly pyroxene>garnet skarn and banded pyroxene-actinolite skarn with locally moderate epidote alteration. Chalcopyrite is trace and found as blebs within more silicified pyroxene-actinolite skarn near the contact with the dyke. A 15 centimetre fault zone with weak malachite staining is located between 227.22-227.35. Minor local zones of ankerite flooding.							
						MD	GN	Mo	EPI	2I	Cp	0.01
						LT	PK	BN				
						LT	GN					
231.01	264.39	33.38	HBS	FG	Dark grey to purple to green to light green, well foliated hornfels-biotite schist. Contact with skarn is rubbly and moderately oxidized for about 1.5 m and becomes fresh, except for intermittent zones up to 5 cm of rubbly and oxidized fault zones. Hornfels-biotite schist is pervasively weakly to moderately chlorite altered. Minor chlorite-pyrite veinlets found locally. Circular dark purple garnets found sporadically along foliation (up to 0.5 mm).							
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
264.39	267.31	2.92	SKN	MG	Well banded to leopard textured, dark green-black-light grey pyroxene-actinolite-magnetite +/- pyrrhotite skarn hosting trace blebby medium grained disseminated chalcopyrite and pyrite. Magnetite bands pervasive throughout the skarn with occasional blebs of pyrrhotite associated with magnetite. Intermittent intervals of banded pyroxene>garnet with minor stringers of chalcopyrite and trace disseminated chalcopyrite and pyrite.							
						LT	GY					
						DK	BL	Mo				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	BN	CHL	2I	Cp	0.2
267.31	270.53	3.22	SKN	MG	Well banded pyroxene-garnet skarn with moderate chlorite alteration of garnets. Trace chalcopyrite is found disseminated locally. Core looks pock marked. A 5 cm interval of quartz mostly along bedding with 5-10% green to black medium grained entrained skarn? With blebs of chalcopyrite associated with these impurities.							
						MD	GN	BN	CHL	2I	Cp	0.2
						LT	PK					
270.53	274.97	4.44	SKN	MG	Pyroxene-actinolite-pyrrhotite skarn (dark green-medium green-brown. Trace blebby chalcopyrite and chalcopyrite within stringers and appears to be associated with pyrrhotite. Minor intervals of pyroxene>garnet banded skarn hosting weak chalcopyrite as blebs and stringers. Pyrrhotite is found and clots/patches up to 2 x 2 cm and as bands, mostly within pyroxene-actinolite skarn.							
						MD	GN	BN				
						DK	GN	FO	CHL	2I	Cp	0.1
274.97	276.05	1.08	QTE	MG	Light grey quartzite with biotite/muscovite impurities and trace fine grained pyrite. Impurities are wavy in nature and represent about 2-5% of interval.							
						LT	GY	MA	---	--	--	0
276.05	278.74	2.69	SKN	FG	Light to medium green to light pink, banded to massive pyroxene=garnet skarn. Patchy chalcopyrite-pyrite found as a band within garnet band. Minor pyrite seams found locally.							
						LT	PK	Mo				
						LT	GN	BN	---	--	Cp	0.1
						DK	GN					
278.74	280.40	1.66	HBS	FG	Dark grey to green, well foliated hornfels-biotite schist with minor interbedded light grey quartz bands up to 1 cm within foliation. Calcite +/- pyrite veinlets found pervasively throughout interval. Pyrite found occasionally as blebs and along foliation in discontinuous bands.							
						DK	GY	FO	CHL	2I	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
280.40	280.98	0.58	QTE	MG	Light grey quartzite with biotite/muscovite impurities and trace fine grained pyrite. Impurities are wavy in nature and represent about 2-5% of interval.							
						LT	GY	MA	---	0I	--	0
									---	0I		
280.98	286.62	5.64	HBS	FG	Dark grey-green to tan, moderately chlorite altered and weakly sericite altered and well foliated hornfels-biotite schist. Local light grey quartz bands up to 1 cm and up to 2 cm bands of strongly sericite altered hornfels-biotite schist. Last 1.2 metre of interval is strongly crackle brecciated and mosaic brecciated hornfels-biotite schist with clasts within mosaic brecciated angular up to 1 x 3 cm. Matrix is dominantly ankerite and calcite with ankerite rimming calcite clasts. Ankerite is zoned around clasts and appears chalcedonic. Some clasts rimmed by ankerite are very strongly chlorite altered.							
						LT	TN					
						DK	GN	FO	CHL	3I	--	0
						DK	PU		SER	1I		
286.62	312.63	26.01	MNZ	MG	Equigranular, dark grey-medium grey-dark purple hornblende-biotite monzonite dyke (37 on mag sus). Top 5 m of dyke is bleached with sporadic ankerite veins/veinlets and dendritic veins. Local intervals within the chilled margin of more fine grained dark green dyke with moderate calcite veinlets pervasive. Moderate calcite veinlets found locally at 3 per metre. Minor intermittent equigranular hornblende-biotite granite xenoliths? With chilled margins - later? 20 cm fault zone at about 309 metres comprising strong clay alteration and weakly oxidized monzonite. At 310 metres, another 20 cm fault zone with rubbly and moderately oxidized monzonite.							
						MD	GY	EQ	---	--	--	0
						DK	GY					
						DK	PU					
312.63	316.76	4.13	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent zones of more light grey, strongly silicified zones up to 50 cm. An approximately 30 cm zone of moderately clay altered and rubbly fault zone. Minor 1 cm wide bands of light grey quartz bands.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU		SIL	2I		
316.76	317.40	0.64	SKN	FG	Medium grained, massive diopside-actinolite-pyrrhotite skarn with moderate ankerite alteration as blebs and disseminations. Trace chalcopyrite is found disseminated throughout. Minor calcite+/-chalcopyrite veinlets found locally.							
						MD	GN	MA	ANK	2I	Cp	0.1
						LT	TN					
						DK	GN					
317.40	321.30	3.90	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent zones of more light grey, strongly silicified zones up to 50 cm. An approximately 30 cm zone of moderately clay altered and rubbly fault zone. Minor 1 cm wide bands of light grey quartz bands. Minor quartzite interbedded up to 20 cm and weakly oxidized locally in seams near contact with skarn.							
						LT	OR					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
321.30	322.90	1.60	SKN	MG	Pyroxene>garnet and diopside-magnettie skarn with intermittent hornfels-biotite schist (20 cm). A 2 cm wide calcite vein hosting about 3% chalcopyrite and 5% pyrrhottie within silicified calc-silicate and hornfels-biotite schist. Last 38 cm or interval hosts diopside-magnetite skarn with minor serpendtine and blebby to dissemianted chalcopyrite and pyrrhotite.							
						LT	PK	FO				
						DK	GN	Mo	---	--	Cp	0.5
						DK	BL	MA				
						DK	PU					
322.90	332.91	10.01	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Intermittent quartzite up to 30 cm and light grey quartz bands up to 1 cm found locally along foliation. Patchy to blebby pyrrhotite and pyrite and minor calcite-pyrite veinlets locally.							
						LT	GY					
						DK	GY	FO	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU					
332.91	343.64	10.73	DAC	FG	Medium grey to medium brown, coarse grained feldspar porphyry sill. Feldspar phenocrysts up to 1 cm. Hornblende minerals up to 0.5 mm long. Minor feldspar phenocrysts up to 2 cm. Patchy pyrrhotite and pyrite found locally and host disseminated pyrite and pyrrhotite (trace). Appears to be weakly propylitic altered - Chlorite - trace cp blebs found locally.							
						MD	GY	PO	---	0I	Py	0.1
						MD	BN				Po	0.1
343.64	347.18	3.54	SKN	FG	Massive pyroxene-actinolite skarn (60%) and mottled to banded pyroxene=garnet skarn (40%). Massive pyroxene-actinolite+/-chlorite skarn hosts minor magnetite-pyrrhotite-chalcopyrite flooded/veins. Mottled to banded pyroxene=garnet skarn hosts pyrrhotite-chalcopyrite-pyrite veinlets/veins and occasional blebby disseminated chalcopyrite sporadically. Local patches of chlorite alteration.							
						MD	GN	MA	---	0I	Cp	0.5
						LT	PK	Mo			Po	1
						LT	GN	BN			Mg	0.2
347.18	362.48	15.30	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. Light grey quartz bands up to 5 cm found sporadically along foliation. Moderate oxide staining along fractures. Garnets up to 0.5 mm along foliation.							
						LT	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU					
362.48	367.13	4.65	SKN	FG	Approximately 50% skarn and 50% hornfels-biotite schist intermittently. Magnetite-pyroxene skarn bands are found up to 15 cm sporadically throughout interval and represent about 10-20% of interval. First 2 m of interval comprises actinolite-marble bands with blebby chalcopyrite-pyrite-pyrrhotite (trace). Remainder of interval is hornfels-biotite schist.							
						MD	GN	MA				
						DK	GN	FO			Po	0.1
						DK	GY	BN	---	--	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
367.13	377.53	10.40	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. Last 1 m of interval is strongly silicified and weakly sericite altered. Moderate dark purple garnets up to 1 cm along foliation. Minor blebby pyrite found sporadically along foliation and within seams and along fractures.							
						LT	GY					
						DK	GY	FO	SIL	2I	--	0
						DK	PU		SER	1I		
377.53	378.04	0.51	SKN	FG	Pyroxene-actinolite-pyrrhotite skarn with disseminated chalcopyrite and pyrrhotite and pyrrhotite-chalcopyrite veins cutting at 50 degrees to core axis. One magnetite-pyrrhotite-chalcopyrite band along bedding (2 cm wide) with up to 1% chalcopyrite. The remainder of interval is well banded calc-silicate and moderately silicified hornfels-biotite schist.							
						MD	GN	FO	---	--	Cp	1
						LT	GN					
						DK	GY	MA				
378.04	378.38	0.34	HBS	FG	Light grey to medium grey, weakly foliated hornfels-biotite schist. Local garnets up to 2 x 2 cm. Strongly silicified.							
						LT	GY		---	0I		
						DK	GY	FO	---	0I	--	0
378.38	378.75	0.37	SKN	FG	Mottled, fine grained pyroxene=garnet+/-magnetite skarn with disseminated chalcopyrite pervasively. Magnetite bands found locally and are moderately altered to hematite. Calcite-magnetite-hematite veinlets cut core steeply. Hematite also found as medium grained blebs locally.							
						MD	GN	Mo	---	--	Cp	0.2
						LT	PK					
378.75	379.39	0.64	HBS	FG	Light grey to medium grey, weakly foliated hornfels-biotite schist. Local garnets up to 2 x 2 cm. Strongly silicified.							
						LT	GY	FO	SIL	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
379.39	381.90	2.51	SKN	FG	Dominantly weakly massive to mottled pyroxene>garnet skarn with 5 intervals of dark green to black actinolite-pyroxene skarn ranging from 5 to 15 cm hosting up to 5% chalcopyrite and 5% pyrrhotite as blebs. Skarn is nearly massive pyrrhotite in some zones. Mottled pyroxene>garnet skarn hosts sporadic disseminated blebby chalcopyrite throughout.							
						MD	GN	Mo			Po	2
						LT	PK					
						DK	GN	MA	---	0I	Cp	1
381.90	383.11	1.21	HBS	FG	Dark grey to purple to green, well foliated hornfels-biotite schist hosting garnets up to 3 x 3 cm, which are dark purple and found locally. Minor intervals of hornfels-biotite schist with biotite encompassing 1 x 1 cm circular quartz clasts.							
						MD	GY					
						DK	GY	FO	---	--	--	0
						DK	PU					
						DK	GN					
383.11	385.08	1.97	HBS	FG	Moderately chlorite altered and sericite altered hornfels-biotite schist with moderate zones of ankerite-calcite flooding/veining. Minor bands of light grey quartz up to 2 cm found sporadically throughout. Zones of strong calcite veining alters hornfels-biotite schist into chlorite. Minor calcite/quartz seams cut foliation and offset hornfels-biotite schist locally and is associated with weak blebby pyrite and pyrrhotite.							
						LT	TN		SER	2I		
						DK	GN	FO	CHL	4I	Po	0.01
385.08	386.34	1.26	SKN	FG	Medium green to light pink, massive to mottled pyroxene>garnet-actinolite skarn with moderate chlorite alteration. A 10 cm band of semi-massive magnetite-pyrrhotite-actinolite-chlorite skarn hosts up to 1-% pyrite and trace chalcopyrite. Pyroxene>garnet skarn hosts about 1% chalcopyrite as disseminations and blebs pervasively as well as patches and within veins/seams.							
						MD	GN	MA	---	0I	Cp	1
						LT	PK	Mo	---	0I	Po	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
386.34	412.40	26.06	HBS	FG	Dark grey to purple to medium grey, well foliated hornfels-biotite schist with intermittent intervals of strongly silicified and moderate chlorite alteration. Localized chlorite-pyrite veins with bleached selvages for up to 1 cm on either side. Local areas of 0.5 cm garnets found along foliation. Intermittent pyroxene>garnet skarn bands and represents about 10% of interval and hosts trace to 1% chalcopyrite as disseminated and fine grained dissemination. Minor epidote alteration of skarn. An approximately 90 cm long zone of strong oxide and moderately rubbly fault zone near the contact with granodiorite dyke/sill. Trace chlorite-chalcopyrite-pyrrhotite veinlets found sporadically.							
						MD	GY		EPI	1I		
						DK	GY	FO	CHL	2I	--	0
412.40	441.82	29.42	GRD	MG	Medium grey, moderately propylitic altered, equigranular hornblende-biotite granodiorite. Minor B-veins (quartz-molybdenite-chalcopyrite veins with k-spar altered selvages up to 1 cm) are found locally. A 10 cm interval of banded to stockwork magnetite veins around 2 mm wide.							
						MD	GY	EQ	PRO	3I	--	0
									POT	1I		
441.82	443.48	1.66	HBS	FG	Moderately chlorite and sericite altered hornfels-biotite schist. Light green to tan to dark grey with a 10 cm zone of moderate to strong clay and chlorite alteration. Minor light grey quartz to smoky quartz veins.							
						LT	GN	FO	SER	2I	--	0
						LT	TN		CHL	2I		
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	16.80	16.80	HBS	FG	Moderately foliated, fine grained biotite schist, moderately fractured. Foliation at 80 degrees to core axis. Small blebs of quartz found sporadically throughout. Intervals of moderately oxidized (pervasive and stained). Hornfels-biotite schist within quartz bands (~2 cm).							
						DK	GY		OXI	3I		
						DK	PU					
						MD	GY	FO	OXI	2I	Py	2
16.80	19.77	2.97	AND	FG	Medium black to dark grey fine grained andesite. Andesite interval carried oxidized veins of quartz? With calcite stringers within.							
						DK	GY					
						DK	GN	MA	OXI	1I	--	0
19.77	22.01	2.24	HBS	FG	Dark grey, medium green to dark purple, well foliated hornfels-biotite schist transitioning to medium/dark green chlorite/pyroxene altered schist with large patches of disseminated pyrrhotite. Transitions back into hornfels-biotite schist.							
						DK	PU					
						DK	GN					
						MD	GN					
						DK	GY	FO	CHL	1I	Po	2.5
22.01	23.72	1.71	LST	FG	Fine grained, moderate to strongly pervasively oxidized limestone that has been highly fractured in sections up to 20 cm. Quartz veins about 2-3 cm (barren) within sporadically. Limestone is very soft and broken down in sections (weathering?). Limestone weakly banded.							
						MD	OR	BN	OXI	3I	--	0
23.72	26.66	2.94	HBS	FG	Well foliated, dark grey to medium grey hornfels-biotite schist with large biotite intervals (up to 1 m) interrupted by quartz. Pervasive oxidization found at start of interval, carrying from limestone above. Calcite veinlets and stringers found within that have been moderately oxidized throughout. Last 50 cm of interval is strongly silicified.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	OXI	2I	--	0
26.66	27.64	0.98	AND	FG	Dark grey andesite dyke with oxidation within sporadic calcite stringers pervasively.							
						DK	GY	MA	OXI	2I	--	0
27.64	30.08	2.44	HBS	FG	Biotite/sericite altered schist (dark to medium grey) with sporadic quartz within matrix. Oxidized calcite veinlets within lighter schist.							
						MD	OR					
						MD	GY					
						DK	GY	FO	SER	4I	--	0
30.08	31.67	1.59	FAP	CG	Dark grey porphyritic dyke with medium grained white clasts within.							
						DK	GY	PO	---	--	--	0
31.67	33.82	2.15	HBS	FG	Weakly foliated, fine grained dark grey to medium grey hornfels-biotite schist. Minor quartz found within interval as small lenses. Minor pyrrhotite and pyrite found disseminated within minor calcite veinlets.							
						MD	GY				Py	0.2
						DK	GY	FO	---	--	Po	0.2
33.82	36.19	2.37	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							
						DK	GY	MA	---	--	--	0
						DK	GN					
36.19	44.48	8.29	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding.							
						DK	GY	FO	OXI	1I	--	0
						MD	GY		CHL	1I		
44.48	45.00	0.52	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							
						DK	GY	MA	---	0I	--	0
						DK	GN		---	0I		
45.00	46.34	1.34	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding.							
						MD	GY		CHL	1I		
						DK	GY	FO	OXI	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
46.34	47.08	0.74	AND	FG	Dark grey with minor dark green patches of fine grained andesite dyke.							
						DK	GY	MA	---	--	--	0
						DK	GN					
47.08	54.61	7.53	HBS	FG	Weakly foliated fine grained hornfels-biotite schist with minor patchy oxidized stain. Biotite schist found in large intervals (small bands within) interrupted by quartz banding. Contains a patch of dark pyroxene rich schist within bands. Foliation transitions to strong foliated biotite/chlorite schist with depth (52.64-64.86). Tan ankerite veinlets found sporadically within +/- calcite veins.							
						DK	GY	FO	OXI	2I	--	0
						DK	GN					
54.61	55.00	0.39	LST	FG	Oxidized and banded limestone with wavy and irregular bands within minor limestone. Strain present along fractures.							
						LT	GY	BN	---	0I	--	0
55.00	62.22	7.22	HBS	FG	Fine grained, well foliated, pervasively oxidized hornfels-biotite schist. Dendritic manganese present within in fine grained amounts. Patchy pervasively oxidized with weakly foliated biotite in bands alternating with quartz. Small rare calcite stringers present cross-cutting all rock types within displaying oxide.							
						MD	OR	FO	OXI	2I	--	0
						LT	GY					
						MD	GY					
62.22	72.04	9.82	SKN	FG	Light green to medium green, pyroxene-chlorite-actinolite skarn with intermittent zones of moderate ankerite alteration, strong chlorite alteration and minor magnetite veining. Cp is found as blebs up to 2% within ankerite altered zones. Light green skarn hosts black "pock marks", while more banded areas tend to host cp and calcite veinlets.							
						LT	GN	MA	CHL	2I	Cp	0.2
						MD	GN	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
72.04	101.18	29.14	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Intermittent zones of strongly sericite altered selvages surrounding a dark grey mineralized quartz-breccia (83.91-84.59). Sericite alteration selvages over about 5-6 metres. From 89.05-99.49 is a strongly oxidized rubble fault zone with strong quartz-carb vein/breccia with strong limonite and malachite staining on fractures. Relict hornfels-biotite schist within fault zone, but strongly oxidized.							
						DK	GY	FO	OXI	3I	Ml	0.1
						DK	OR					
						MD	OR					
						LT	GY					
						DK	PU	RB				
103.03	109.18	6.15	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						DK	GY		OXI	2I		
						MD	OR					
						LT	GN	FO	CHL	3I	--	0
109.18	114.79	5.61	SKN	FG	Dark green to tan to dark red to medium orange, brecciated to massive pyroxene-ankerite-hematite-chlorite skarn hosting blebby chalcopyrite pervasively. Hematite found locally as blebs, veinlets and patches throughout much of the interval and found associated with calcite veinlets/seams. Quartz veins found locally and are cut by later quartz bands along bedding. Brecciated areas are mostly associated with ankerite altered clasts. Chalcopyrite is also found within garnet skarn as blebs and within areas of moderate to strong hematite alteration.							
						DK	RD					
						LT	TN	BN	HEM	2I		
						DK	GN	BX	OXI	2I	Cp	0.5
114.79	119.72	4.93	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						LT	GY					
						DK	OR		OXI	2I		
						MD	OR	FO	CHL	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
119.72	121.99	2.27	SKN	FG	Light green to medium green, massive pyroxene-actinolite skarn with moderate calcite veining and minor light green to milky white quartz veins.							
						MD	GN					
						LT	GN	MA	---	--	--	0
121.99	125.82	3.83	HBS	FG	fine grained, strongly oxidized, well foliated, moderately chlorite altered hornfels-biotite schist with quartz-carbonate veining.							
						DK	GY					
						DK	PU					
						LT	OR	FO	OXI	2I	--	0
125.82	128.31	2.49	SKN	FG	Well banded to brecciated, medium green to light pink pyroxene-garnet-ankerite skarn with trace disseminated chalcopyrite pervasively. Minor chlorite alteration found locally. Trace hematite-calcite veinlets found locally.							
						LT	PK	BX				
						MD	GN	BN	HEM	1I	Cp	0.01
128.31	128.79	0.48	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						DK	PU					
						DK	GY	FO	OXI	1I	--	0
128.79	129.31	0.52	FAP	CG	Dark green, coarse grained feldspar andesite porphyry dyke with feldspar minerals being altered to clay locally and mafic minerals up to 0.5 mm altered strongly to chlorite.							
						DK	GY		CLY	1I		
						DK	GN	PO	CHL	3I	--	0
129.31	135.64	6.33	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
135.64	136.58	0.94	SKN	FG	Mottled pyroxene=garnet skarn. Moderate malachite along fractures. Unit is weakly oxidized and moderate calcite veinlets are pervasive. Blebby chalcopyrite is found disseminated within skarn.							
						MD	GN	Mo	---	--	Cp	0.5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK					
136.58	137.56	0.98	HBS	FG	Well foliated, dark grey to dark purple hornfels-biotite schist with minor oxidized staining pervasive. Quartz bands up to 1 cm found along foliation.							
						DK	PU					
						DK	GY	FO	OXI	1I	--	0
						MD	OR					
137.56	138.84	1.28	SKN	FG	Massive to banded/foliated, medium green pyroxene-actinolite skarn with trace garnet banding and subangular ankerite clasts up to 5x5 cm. Moderate calcite-chalcopyrite veins pervasive. Strong actinolite-diopside band (5 cm wide) hosting up to 10% chalcopyrite and black, non-magnetic veinlets/seams pervasively. A 10 cm interval of fine grained dyke in centre of interval.							
						DK	GN	MA	---	--	Cp	0.1
						MD	GN	BN				
						LT	PK					
138.84	140.17	1.33	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Intermittent massive pyroxene skarn over 20 cm. Minor oxidation along fractures and minor garnet along foliation.							
						DK	PU	FO	OXI	2I	--	0
						DK	GN					
						MD	OR					
140.17	146.88	6.71	INT	FG	Light grey to light brown, intermediate dyke with moderate army green clay alteration along fractures with or without calcite. Moderate calcite veins up to 2 cm found locally.							
						LT	GY	MA	CLY	2I	--	0
						LT	BN					
146.88	148.03	1.15	HBS	FG	Dark grey to purple to light grey hornfels-biotite schist. Intermittent massive pyroxene skarn over 20 cm. Minor oxidation along fractures and minor garnet along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
148.03	150.95	2.92	CSL	FG	Moderately silicified, light grey to light green banded to foliated calc-silicate. Mostly light grey moderately silicified calc-silicate to marble with trace chalcopyrite within calc-silicate sections.							
						LT	GY	BN	SIL	2I	Cp	0.01
						LT	GN	FO				
150.95	153.53	2.58	INT	FG	Light grey to light brown, intermediate dyke Moderate calcite veins up to 2 cm found locally.							
						LT	GY	MA	---	--	--	0
						LT	BN					
153.53	157.95	4.42	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist with moderate oxide stain along fractures and within seams. A 30 cm wide zone of actinolite-tremolite skarn with moderate garnet? Up to 1 x 1 cm disseminated (5%) and strongly altered to chlorite? Last 2 m comprises a fault zone consisting of rubbly and gouge with moderate quartz-carbonate veining. A 10 cm wide interval at the bottom contains calcite with strong goethite within vugs and along fractures.							
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
						LT	GY					
						LT	OR					
157.95	159.43	1.48	SKN	FG	Pyroxene>>garnet skarn and massive to sericite altered hornfels for last 1 metre of interval with intermittent pyroxene>garnet skarn. No visible mineralization.							
						MD	GN	MA	SER	2I	--	0
						DK	GN	FO				
						LT	PK					
159.43	160.02	0.59	HBS	FG	Moderately chlorite altered, weakly sericite altered, dark green to grey to purple to tan hornfels-biotite schist with weak oxidation along fractures.							
						DK	GY	FO	CHL	2I	--	0
						DK	PU		SER	1I		
						LT	GY		OXI	1I		
						LT	TN					
160.02	161.13	1.11	SKN	MG	Medium grained, dark grey to green to light grey leopard textured actinolite-tremolite skarn with minor calcite-chlorite veinlets pervasive. No visible mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	Mo	---	0I	--	0
						DK	GN					
161.13	163.00	1.87	CSL	FG	Light grey to light green banded calc-silicate with the last 50 cm of interval comprising banded to mottled pyroxene->garnet skarn with no visible mineralization.							
						MD	GN					
						LT	GY	BN	---	0I	--	0
						LT	GN					
163.00	164.51	1.51	HBS	FG	Well foliated, dark grey to purple to light grey hornfels-biotite schist. Weak, light grey crystalline quartz along foliation up to 1 cm. Moderate dark purple garnets up to 0.5 cm along foliation. Trace disseminated pyrite pervasive.							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
164.51	168.55	4.04	CSL	FG	Well banded, light green (80%) and light grey (20%) calc-silicate with minor calcite-chlorite veinlets found locally. Minor unmineralized mottled pyroxene>garnet skarn up to 5 cm found locally (minor).							
						LT	GN	BN	---	--	--	0
						LT	GY					
168.55	181.86	13.31	HBS	FG	Well foliated, dark grey to purple to green hornfels-biotite schist. Intermittent pyroxene>garnet skarn found sporadically in last 6 m of interval.							
						DK	PU	BN				
						LT	PK					
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						MD	GN					
181.86	189.41	7.55	SKN	FG	Intermittent banded to mottled pyroxene-garnet, massive actinolite-pyroxene skarn and semi-massive magnetite skarn.							
						DK	GN	MA	---	--	Cp	1.5
						LT	GN	BN				
						LT	PK	Mo				
						DK	BL					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
189.41	211.70	22.29	HBS	FG	Well foliated, light grey to dark grey hornfels-biotite schist with strong chlorite veinlets with bleached to silicified selvages up to 2 cm with zones of bleached/siliceous core. Dominantly dark grey to purple to light grey, well foliated hornfels-biotite schist with local moderately chlorite altered zones sporadically.							
						DK	GN					
						DK	GY	FO	SIL	3I	--	0
						LT	GY					
211.70	217.93	6.23	SKN	FG	Pyroxene>garnet skarn. Pyroxene-actinolite skarn with local zones of ankerite alteration as flooding. Chalcopyrite is found mostly within pyroxene-actinolite-magnetite skarn as blebs, disseminated and bands. Elsewhere, chalcopyrite is only disseminated and trace within pyroxene-actinolite skarn. Chalcopyrite is also found within hematite veinlets locally. Interval varies from massive to mottled.							
						MD	GN	Mo	---	0I	Cp	0.2
						DK	GN	BN				
						LT	PK	MA				
217.93	226.00	8.07	GRD	MG	Equigranular, light grey hornblende-biotite granodiorite with minor quartz-chalcopyrite veinlets found locally and steeply dipping. Chilled margins are dark green and about 30 cm wide. Local zones of weak oxide alteration along fractures.							
						LT	GY	EQ	OXI	1I	--	0
226.00	231.01	5.01	SKN	FG	Dominantly pyroxene>garnet skarn and banded pyroxene-actinolite skarn with locally moderate epidote alteration. Chalcopyrite is trace and found as blebs within more silicified pyroxene-actinolite skarn near the contact with the dyke. A 15 centimetre fault zone with weak malachite staining is located between 227.22-227.35. Minor local zones of ankerite flooding.							
						LT	GN					
						LT	PK	BN				
						MD	GN	Mo	EPI	2I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
231.01	264.39	33.38	HBS	FG	Dark grey to purple to green to light green, well foliated hornfels-biotite schist. Contact with skarn is rubbly and moderately oxidized for about 1.5 m and becomes fresh, except for intermittent zones up to 5 cm of rubbly and oxidized fault zones. Hornfels-biotite schist is pervasively weakly to moderately chlorite altered. Minor chlorite-pyrite veinlets found locally. Circular dark purple garnets found sporadically along foliation (up to 0.5 mm).							
						DK	GY	FO	CHL	1I	--	0
						LT	GY					
						DK	PU					
264.39	274.97	10.58	SKN	MG	Well banded to leopard textured, dark green-black to light grey pyroxene-actinolite-magnetite +/- pyrrhotite skarn. Well banded pyroxene-garnet and massive pyroxene-actinolite skarn with patchy pyrrhotite.							
						LT	PK					
						DK	GN	BN	CHL	2I	Cp	0.1
						LT	GN	MA				
274.97	276.05	1.08	QTE	MG	Light grey quartzite with biotite/muscovite impurities and trace fine grained pyrite. Impurities are wavy in nature and represent about 2-5% of interval.							
						LT	GY	MA	---	--	--	0
276.05	278.74	2.69	SKN	FG	Light to medium green to light pink, banded to massive pyroxene=garnet skarn. Patchy chalcopyrite-pyrite found as a band within garnet band. Minor pyrite seams found locally.							
						LT	PK	Mo				
						LT	GN	BN	---	--	Cp	0.1
						DK	GN					
278.74	280.40	1.66	HBS	FG	Dark grey to green, well foliated hornfels-biotite schist with minor interbedded light grey quartz bands up to 1 cm within foliation. Calcite +/- pyrite veinlets found pervasively throughout interval. Pyrite found occasionally as blebs and along foliation in discontinuous bands.							
						DK	GN					
						DK	GY	FO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
280.40	280.98	0.58	QTE	MG	Light grey quartzite with biotite/muscovite impurities and trace fine grained pyrite. Impurities are wavy in nature and represent about 2-5% of interval.							
						LT	GY	MA	---	0I	--	0
									---	0I		
280.98	286.62	5.64	HBS	FG	Dark grey-green to tan, moderately chlorite altered and weakly sericite altered and well foliated hornfels-biotite schist. Local light grey quartz bands up to 1 cm and up to 2 cm bands of strongly sericite altered hornfels-biotite schist. Last 1.2 metre of interval is strongly crackle brecciated and mosaic brecciated hornfels-biotite schist with clasts within mosaic brecciated angular up to 1 x 3 cm. Matrix is dominantly ankerite and calcite with ankerite rimming calcite clasts. Ankerite is zoned around clasts and appears chalcedonic. Some clasts rimmed by ankerite are very strongly chlorite altered.							
						DK	GN	FO	CHL	3I	--	0
						LT	TN					
						DK	PU		SER	1I		
286.62	312.63	26.01	MNZ	MG	Equigranular, dark grey-medium grey-dark purple hornblende-biotite monzonite dyke (37 on mag sus). Top 5 m of dyke is bleached with sporadic ankerite veins/veinlets and dendritic veins. Local intervals within the chilled margin of more fine grained dark green dyke with moderate calcite veinlets pervasive. Moderate calcite veinlets found locally at 3 per metre. Minor intermittent equigranular hornblende-biotite granite xenoliths? With chilled margins - later? 20 cm fault zone at about 309 metres comprising strong clay alteration and weakly oxidized monzonite. At 310 metres, another 20 cm fault zone with rubbly and moderately oxidized monzonite.							
						MD	GY	EQ	---	--	--	0
						DK	GY					
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
312.63	316.76	4.13	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent zones of more light grey, strongly silicified zones up to 50 cm. An approximately 30 cm zone of moderately clay altered and rubbly fault zone. Minor 1 cm wide bands of light grey quartz bands.							
						LT	GY					
						DK	PU		SIL	2I		
						DK	GY	FO	OXI	1I	--	0
316.76	317.40	0.64	SKN	FG	Medium grained, massive diopside-actinolite-pyrrhotite skarn with moderate ankerite alteration as blebs and disseminations. Trace chalcopyrite is found disseminated throughout. Minor calcite+/-chalcopyrite veinlets found locally.							
						DK	GN					
						LT	TN					
						MD	GN	MA	ANK	2I	Cp	0.1
317.40	321.30	3.90	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent zones of more light grey, strongly silicified zones up to 50 cm. An approximately 30 cm zone of moderately clay altered and rubbly fault zone. Minor 1 cm wide bands of light grey quartz bands. Minor quartzite interbedded up to 20 cm and weakly oxidized locally in seams near contact with skarn.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	OR					
321.30	322.90	1.60	SKN	MG	Pyroxene>garnet and diopside-magnettie skarn with intermittent hornfels-biotite schist (20 cm). A 2 cm wide calcite vein hosting about 3% chalcopyrite and 5% pyrrhottie within silicified calc-silicate and hornfels-biotite schist. Last 38 cm or interval hosts diopside-magnetite skarn with minor serpendtine and blebby to dissemianted chalcopyrite and pyrrhotite.							
						LT	PK	FO				
						DK	GN	Mo	---	--	Cp	0.5
						DK	PU					
						DK	BL	MA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
322.90	332.91	10.01	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Intermittent quartzite up to 30 cm and light grey quartz bands up to 1 cm found locally along foliation. Patchy to blebby pyrrhotite and pyrite and minor calcite-pyrite veinlets locally.							
						DK	PU					
						LT	GY					
						DK	GY	FO	---	--	--	0
332.91	343.64	10.73	DAC	FG	Medium grey to medium brown, coarse grained feldspar porphyry sill. Feldspar phenocrysts up to 1 cm. Hornblende minerals up to 0.5 mm long. Minor feldspar phenocrysts up to 2 cm. Patchy pyrrhotite and pyrite found locally and host disseminated pyrite and pyrrhotite (trace). Appears to be weakly propylitic altered - Chlorite - trace cp blebs found locally.							
						MD	GY	PO	---	0I	Py	0.1
						MD	BN				Po	0.1
343.64	347.18	3.54	SKN	FG	Massive pyroxene-actinolite skarn (60%) and mottled to banded pyroxene=garnet skarn (40%). Massive pyroxene-actinolite+/-chlorite skarn hosts minor magnetite-pyrrhotite-chalcopyrite flooded/veins. Mottled to banded pyroxene=garnet skarn hosts pyrrhotite-chalcopyrite-pyrite veinlets/veins and occasional blebby disseminated chalcopyrite sporadically. Local patches of chlorite alteration.							
						LT	GN	BN			Mg	0.2
						MD	GN	MA	---	0I	Cp	0.5
						LT	PK	Mo			Po	1
347.18	362.48	15.30	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. Light grey quartz bands up to 5 cm found sporadically along foliation. Moderate oxide staining along fractures. Garnets up to 0.5 mm along foliation.							
						DK	GY	FO	---	0I	--	0
						LT	GY					
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
362.48	367.13	4.65	SKN	FG	Approximately 50% skarn and 50% hornfels-biotite schist intermittently. Magnetite-pyroxene skarn bands are found up to 15 cm sporadically throughout interval and represent about 10-20% of interval. First 2 m of interval comprises actinolite-marble bands with blebby chalcopyrite-pyrite-pyrrhotite (trace). Remainder of interval is hornfels-biotite schist.							
						DK	GN	FO			Po	0.1
						MD	GN	MA				
						DK	GY	BN	---	--	Cp	0.1
367.13	377.53	10.40	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. Last 1 m of interval is strongly silicified and weakly sericite altered. Moderate dark purple garnets up to 1 cm along foliation. Minor blebby pyrite found sporadically along foliation and within seams and along fractures.							
						DK	GY	FO	SIL	2I	--	0
						DK	PU		SER	1I		
						LT	GY					
377.53	378.04	0.51	SKN	FG	Pyroxene-actinolite-pyrrhotite skarn with disseminated chalcopyrite and pyrrhotite and pyrrhotite-chalcopyrite veins cutting at 50 degrees to core axis. One magnetite-pyrrhotite-chalcopyrite band along bedding (2 cm wide) with up to 1% chalcopyrite. The remainder of interval is well banded calc-silicate and moderately silicified hornfels-biotite schist.							
						MD	GN	FO	---	--	Cp	1
						DK	GY	MA				
						LT	GN					
378.04	378.38	0.34	HBS	FG	Light grey to medium grey, weakly foliated hornfels-biotite schist. Local garnets up to 2 x 2 cm. Strongly silicified.							
						DK	GY	FO	---	0I	--	0
						LT	GY		---	0I		
378.38	378.75	0.37	SKN	FG	Mottled, fine grained pyroxene=garnet+/-magnetite skarn with disseminated chalcopyrite pervasively. Magnetite bands found locally and are moderately altered to hematite. Calcite-magnetite-hematite veinlets cut core steeply. Hematite also found as medium grained blebs locally.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	Mo	---	--	Cp	0.2
						LT	PK					
378.75	379.39	0.64	HBS	FG	Light grey to medium grey, weakly foliated hornfels-biotite schist. Local garnets up to 2 x 2 cm. Strongly silicified.							
						LT	GY	FO	SIL	4I	--	0
379.39	381.90	2.51	SKN	FG	Dominantly weakly massive to mottled pyroxene>garnet skarn with 5 intervals of dark green to black actinolite-pyroxene skarn ranging from 5 to 15 cm hosting up to 5% chalcopyrite and 5% pyrrhotite as blebs. Skarn is nearly massive pyrrhotite in some zones. Mottled pyroxene>garnet skarn hosts sporadic disseminated blebby chalcopyrite throughout.							
						DK	GN	MA	---	0I	Cp	1
						MD	GN	Mo			Po	2
						LT	PK					
381.90	385.08	3.18	HBS	FG	First half of interval comprises dark grey to purple to green, well foliated hornfels-biotite schist hosting garnets up to 3 x 3 cm, which are dark purple and found locally. Minor intervals of hornfels-biotite schist with biotite encompassing 1 x 1 cm circular quartz clasts. Second half of interval consists of moderately chlorite altered and sericite altered hornfels-biotite schist with moderate zones of ankerite-calcite flooding/veining. Minor bands of light grey quartz up to 2 cm found sporadically throughout. Zones of strong calcite veining alters hornfels-biotite schist into chlorite. Minor calcite/quartz seams cut foliation and offset hornfels-biotite schist locally and is associated with weak blebby pyrite and pyrrhotite.							
						DK	GY	FO	---	--	--	0
						DK	PU					
						DK	GN					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
385.08	386.34	1.26	SKN	FG	Medium green to light pink, massive to mottled pyroxene>garnet-actinolite skarn with moderate chlorite alteration. A 10 cm band of semi-massive magnetite-pyrrhotite-actinolite-chlorite skarn hosts up to 1-% pyrite and trace chalcopyrite. Pyroxene>garnet skarn hosts about 1% chalcopyrite as disseminations and blebs pervasively as well as patches and within veins/seams.							
						MD	GN	MA	---	0I	Cp	1
						LT	PK	Mo	---	0I	Po	5
386.34	412.40	26.06	HBS	FG	Dark grey to purple to medium grey, well foliated hornfels-biotite schist with intermittent intervals of strongly silicified and moderate chlorite alteration. Localized chlorite-pyrite veins with bleached selvages for up to 1 cm on either side. Local areas of 0.5 cm garnets found along foliation. Intermittent pyroxene>garnet skarn bands and represents about 10% of interval and hosts trace to 1% chalcopyrite as disseminated and fine grained dissemination. Minor epidote alteration of skarn. An approximately 90 cm long zone of strong oxide and moderately rubbly fault zone near the contact with granodiorite dyke/sill. Trace chlorite-chalcopyrite-pyrrhotite veinlets found sporadically.							
						DK	GY	FO	CHL	2I	--	0
						MD	GY		EPI	1I		
412.40	441.82	29.42	GRD	MG	Medium grey, moderately propylitic altered, equigranular hornblende-biotite granodiorite. Minor B-veins (quartz-molybdenite-chalcopyrite veins with k-spar altered selvages up to 1 cm) are found locally. A 10 cm interval of banded to stockwork magnetite veins around 2 mm wide.							
						MD	GY	EQ	PRO	3I	--	0
									POT	1I		
441.82	443.48	1.66	HBS	FG	Moderately chlorite and sericite altered hornfels-biotite schist. Light green to tan to dark grey with a 10 cm zone of moderate to strong clay and chlorite alteration. Minor light grey quartz to smoky quartz veins.							
						DK	GY					
						LT	GN	FO	SER	2I	--	0
						LT	TN		CHL	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.7	46	0.13	9	0R	4H	1W	
1.52	4.57	3.05	2.51	82	0.68	22	0R	4H	1W	
4.57	7.62	3.05	3.02	99	1.50	49	1R	3H	2W	
7.62	10.67	3.05	3.05	100	1.27	42	1R	4H	1W	
10.67	13.72	3.05	3.05	100	1.75	57	1R	2H	2W	
13.72	16.76	3.04	3.04	100	2.16	71	0R	4H	1W	
16.76	19.81	3.05	3.05	100	2.50	82	0R	4H	1W	
19.81	22.86	3.05	3.05	100	1.70	56	3R	3H	2W	
22.86	25.91	3.05	3.05	100	2.07	68	4R	3H	2W	
25.91	28.96	3.05	3.05	100	2.67	88	1R	3H	2W	
28.96	32.00	3.04	3.04	100	2.50	82	0R	4H	2W	
32.00	35.05	3.05	3.05	100	2.34	77	0R	4H	1W	
35.05	38.10	3.05	3.05	100	1.64	54	0R	4H	1W	
38.10	41.15	3.05	2.99	98	1.69	55	0R	4H	1W	
41.15	44.20	3.05	3.05	100	2.87	94	0R	4H	1W	
44.20	47.24	3.04	3.04	100	2.54	84	0R	4H	1W	
47.24	50.29	3.05	3.05	100	1.99	65	0R	4H	1W	
50.29	53.34	3.05	2.79	91	2.05	67	0R	4H	1W	
53.34	56.39	3.05	2.39	78	1.08	35	0R	4H	1W	
56.39	59.44	3.05	3.05	100	2.19	72	1R	4H	1W	
59.44	62.48	3.04	2.9	95	1.94	64	0R	4H	1W	
62.48	65.53	3.05	2.79	91	1.98	65	1R	3H	1W	
65.53	68.58	3.05	2.6	85	1.81	59	1R	4H	1W	
68.58	71.63	3.05	3.05	100	2.44	80	1R	4H	1W	
71.63	74.68	3.05	3.05	100	2.51	82	1R	4H	1W	
74.68	77.72	3.04	3.04	100	2.20	72	1R	4H	1W	
77.72	80.77	3.05	3.05	100	2.37	78	0R	4H	1W	
80.77	83.82	3.05	3.05	100	2.37	78	0R	4H	1W	
83.82	86.87	3.05	2.95	97	2.45	80	1R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	2.45	80	1.49	49	1R	3H	1W	
89.92	92.96	3.04	1.43	47	0.51	17	2R	2H	1W	
92.96	96.01	3.05	2.33	76	0.97	32	2R	2H	2W	
96.01	99.06	3.05	2.26	74	0.11	4	2R	3H	3W	
99.06	102.11	3.05	2.86	94	1.98	65	3R	3H	3W	
102.11	105.16	3.05	3.05	100	2.16	71	2R	3H	2W	
105.16	108.20	3.04	3.04	100	2.96	97	1R	4H	2W	
108.20	111.25	3.05	3	98	2.89	95	2R	3H	2W	
111.25	114.30	3.05	3.05	100	3.05	100	2R	4H	1W	
114.30	117.35	3.05	2.9	95	2.77	91	2R	4H	3W	
117.35	120.40	3.05	3.05	100	2.42	79	1R	3H	2W	
120.40	123.44	3.04	3.04	100	2.58	85	1R	3H	1W	
123.44	126.49	3.05	3.05	100	2.72	89	1R	3H	1W	
126.49	129.54	3.05	3.05	100	2.71	89	1R	3H	1W	
129.54	132.59	3.05	3	98	2.48	81	0R	3H	1W	
132.59	135.64	3.05	3.05	100	2.75	90	0R	3H	1W	
135.64	138.68	3.04	3.04	100	1.70	56	2R	3H	1W	
138.68	141.73	3.05	2.98	98	2.08	68	3R	3H	2W	
141.73	144.78	3.05	3.05	100	2.28	75	0R	4H	1W	
144.78	147.83	3.05	3.05	100	1.82	60	1R	4H	1W	
147.83	150.88	3.05	3.05	100	2.88	94	1R	4H	1W	
150.88	153.92	3.04	3.04	100	2.96	97	2R	4H	2W	
153.92	156.97	3.05	3.05	100	1.86	61	3R	3H	2W	
156.97	160.02	3.05	3.05	100	3.02	99	2R	3H	2W	
160.02	163.07	3.05	3.05	100	2.94	96	0R	3H	1W	
163.07	166.12	3.05	3.05	100	3.05	100	0R	4H	1W	
166.12	169.16	3.04	3.04	100	3.04	100	0R	5H	1W	
169.16	172.21	3.05	3.05	100	3.05	100	0R	4H	1W	
172.21	175.26	3.05	3.05	100	2.97	97	0R	4H	1W	
175.26	178.31	3.05	2.95	97	2.87	94	1R	4H	1W	
178.31	181.36	3.05	3.05	100	3.02	99	1R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	3.04	100	2.70	89	0R	4H	1W	
184.40	187.45	3.05	3.05	100	3.00	98	0R	4H	1W	
187.45	190.50	3.05	3.05	100	2.34	77	0R	4H	1W	
190.50	193.55	3.05	3.05	100	2.36	77	0R	4H	1W	
193.55	196.60	3.05	3.05	100	2.69	88	0R	4H	1W	
196.60	199.64	3.04	3.04	100	2.35	77	0R	4H	1W	
199.64	202.69	3.05	3.05	100	2.76	90	0R	5H	1W	
202.69	205.74	3.05	3.05	100	2.73	90	0R	5H	1W	
205.74	208.79	3.05	3.05	100	3.05	100	0R	5H	1W	
208.79	211.84	3.05	3.05	100	3.05	100	0R	5H	1W	
211.84	214.88	3.04	3.04	100	3.00	99	0R	4H	1W	
214.88	217.93	3.05	3.05	100	2.96	97	0R	4H	1W	
217.93	220.98	3.05	3.05	100	2.79	91	0R	5H	1W	
220.98	224.03	3.05	2.95	97	2.90	95	0R	5H	1W	
224.03	227.08	3.05	3.05	100	2.58	85	0R	4H	1W	
227.08	230.12	3.04	2.93	96	2.19	72	2R	2H	2W	
230.12	233.17	3.05	2.64	87	1.33	44	1R	3H	1W	
233.17	236.22	3.05	2.75	90	1.02	33	0R	5H	1W	
236.22	239.27	3.05	3.05	100	2.67	88	0R	5H	1W	
239.27	242.32	3.05	3.05	100	2.98	98	0R	5H	1W	
242.32	245.36	3.04	3.04	100	2.92	96	0R	5H	1W	
245.36	248.41	3.05	3.05	100	2.99	98	0R	5H	1W	
248.41	251.46	3.05	3.05	100	3.05	100	0R	5H	1W	
251.46	254.51	3.05	3.05	100	2.96	97	0R	5H	1W	
254.51	257.56	3.05	3.05	100	3.05	100	0R	5H	1W	
257.56	260.60	3.04	3.04	100	2.81	92	0R	5H	1W	
260.60	263.65	3.05	3.05	100	3.05	100	0R	5H	1W	
263.65	266.70	3.05	3.05	100	2.90	95	0R	5H	1W	
266.70	269.75	3.05	3.05	100	3.05	100	1R	4H	1W	
269.75	272.80	3.05	3.05	100	3.05	100	0R	5H	1W	
272.80	275.84	3.04	3.04	100	3.04	100	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
275.84	278.89	3.05	3.05	100	2.93	96	0R	4H	1W	
278.89	281.94	3.05	3.05	100	2.70	89	0R	5H	1W	
281.94	284.99	3.05	3.05	100	2.82	92	0R	4H	1W	
284.99	288.04	3.05	2.83	93	2.58	85	2R	3H	1W	
288.04	291.08	3.04	2.95	97	2.95	97	0R	3H	1W	
291.08	294.13	3.05	3.05	100	2.47	81	0R	4H	1W	
294.13	297.18	3.05	2.88	94	2.60	85	0R	5H	1W	
297.18	300.23	3.05	3.05	100	2.75	90	0R	5H	1W	
300.23	303.28	3.05	3.05	100	2.70	89	0R	5H	1W	
303.28	306.32	3.04	3.04	100	2.20	72	0R	5H	1W	
306.32	309.37	3.05	3.05	100	2.16	71	2R	2H	1W	
309.37	312.42	3.05	2.99	98	2.01	66	2R	3H	1W	
312.42	315.47	3.05	3.05	100	2.06	68	0R	4H	1W	
315.47	318.52	3.05	3.05	100	2.38	78	2R	4H	1W	
318.52	321.56	3.04	3.04	100	2.72	89	3R	4H	1W	
321.56	324.61	3.05	3.05	100	2.75	90	3R	3H	1W	
324.61	327.66	3.05	3.05	100	3.05	100	0R	5H	1W	
327.66	330.71	3.05	3.05	100	2.89	95	1R	5H	1W	
330.71	333.76	3.05	3.05	100	3.05	100	0R	4H	1W	
333.76	336.80	3.04	3.04	100	2.93	96	0R	5H	1W	
336.80	339.85	3.05	3.05	100	2.99	98	0R	5H	1W	
339.85	342.90	3.05	2.99	98	2.99	98	0R	5H	1W	
342.90	345.95	3.05	3.05	100	2.92	96	1R	4H	1W	
345.95	349.00	3.05	3.05	100	2.45	80	1R	3H	1W	
349.00	352.04	3.04	3.04	100	2.94	97	0R	5H	1W	
352.04	355.09	3.05	3.05	100	3.05	100	0R	5H	1W	
355.09	358.14	3.05	3.05	100	2.70	89	1R	4H	1W	
358.14	361.19	3.05	3.05	100	2.65	87	0R	4H	1W	
361.19	364.24	3.05	3.05	100	2.96	97	0R	4H	1W	
364.24	367.28	3.04	3.04	100	3.04	100	0R	5H	1W	
367.28	370.33	3.05	3.05	100	3.05	100	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.33	373.38	3.05	3.05	100	2.92	96	0R	5H	1W	
373.38	376.43	3.05	3.05	100	2.98	98	0R	5H	1W	
376.43	379.48	3.05	3.05	100	3.05	100	1R	5H	1W	
379.48	382.52	3.04	3.04	100	3.04	100	1R	4H	1W	
382.52	385.57	3.05	3.05	100	2.96	97	3R	3H	1W	
385.57	388.62	3.05	3.05	100	2.89	95	0R	4H	1W	
388.62	391.67	3.05	3.05	100	2.87	94	0R	5H	1W	
391.67	394.72	3.05	3.05	100	3.05	100	0R	5H	1W	
394.72	397.76	3.04	3.04	100	3.04	100	0R	5H	1W	
397.76	400.81	3.05	3.05	100	3.05	100	0R	5H	1W	
400.81	403.86	3.05	3.05	100	3.00	98	0R	4H	1W	
403.86	406.91	3.05	3.05	100	2.94	96	0R	5H	1W	
406.91	409.96	3.05	3.05	100	2.35	77	0R	4H	1W	
409.96	413.00	3.04	3.04	100	2.74	90	0R	5H	1W	
413.00	416.05	3.05	3.05	100	2.64	87	0R	5H	1W	
416.05	419.10	3.05	3.05	100	2.96	97	0R	5H	1W	
419.10	422.15	3.05	3.05	100	3.05	100	0R	5H	1W	
422.15	425.20	3.05	3.05	100	2.69	88	0R	5H	1W	
425.20	428.24	3.04	3.04	100	2.69	88	0R	5H	1W	
428.24	431.29	3.05	3.05	100	3.05	100	0R	5H	1W	
431.29	434.34	3.05	3.05	100	2.63	86	0R	5H	1W	
434.34	437.39	3.05	3.05	100	2.81	92	0R	5H	1W	
437.39	440.44	3.05	3.05	100	2.77	91	1R	4H	1W	
440.44	443.48	3.04	3.04	100	2.65	87	0R	3H	1W	EOH

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.32	HBS	
2	0.43	HBS	
3	0.32	HBS	
4	0.38	HBS	
5	0.2	HBS	
6	0.32	HBS	
7	0.53	HBS	
8	0.12	HBS	
9	0.22	HBS	
10	0.45	HBS	
11	0.18	HBS	
12	0.24	HBS	
13	0.43	HBS	
14	1.94	HBS	
15	0.18	HBS	
16	0.08	HBS	
17	0.71	AND	
18	1.18	AND	
19	1.9	AND	
20	0.32	HBS	
21	0.53	HBS	
22	0.1	HBS	
23	0.18	LST	
24	0.55	HBS	
25	0.36	HBS	
26	0.22	HBS	
27	5.04	AND	
28	0.1	HBS	
29	0.22	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
30	0.22	HBS	
31	7.85	FAP	
32	0.38	HBS	
33	0.3	HBS	
34	1.43	AND	
35	0.92	AND	
36	3.71	AND	
37	0.41	HBS	
38	0.14	HBS	
39	0.04	HBS	
40	0.16	HBS	
41	0.12	HBS	
42	0.41	HBS	
43	0.59	HBS	
44	0.38	HBS	
45	0.9	AND	
45	0.9	HBS	
46	0.26	HBS	
47	1.68	AND	
48	0.2	HBS	
49	0.2	HBS	
50	0.92	HBS	
51	1.23	HBS	
52	0.14	HBS	
53	0.57	HBS	
54	0.18	HBS	
55	0.1	LST	
55	0.1	HBS	
56	0.04	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
57	0.06	HBS	
58	0.1	HBS	
59	0.06	HBS	
60	0.14	HBS	
61	0.34	HBS	
62	0.1	HBS	
63	0.12	SKN	
64	0.24	SKN	
65	0.41	SKN	
66	0.38	SKN	
67	0.49	SKN	
68	0.49	SKN	
69	0.36	SKN	
70	0.51	SKN	
71	0.82	SKN	
72	0.24	SKN	
73	0.12	HBS	
74	0.32	HBS	
75	3.83	HBS	
76	0.59	HBS	
77	0.32	HBS	
78	0.94	HBS	
79	0.16	HBS	
80	0.2	HBS	
81	0.43	HBS	
82	0.41	HBS	
83	0.12	HBS	
84	0.43	HBS	
85	0.22	HBS	
86	0.43	HBS	
87	0.26	HBS	
88	0.12	HBS	
89	0.02	HBS	
90	0.04	HBS	
91	0.02	HBS	
92	0.02	HBS	
93	0.08	HBS	
94	0.12	HBS	
95	0.1	HBS	
96	0.16	HBS	
97	0.06	HBS	
98	0.18	HBS	
99	0.14	HBS	
100	0.36	HBS	
101	0.47	HBS	
102	0.79	SKN	
103	0.12	SKN	
104	0.16	HBS	
105	0.04	HBS	
106	0.32	HBS	
107	0.14	HBS	
108	0.38	HBS	
109	0.08	HBS	
110	2.39	SKN	
111	0.06	SKN	
112	0.57	SKN	
113	0.77	SKN	
114	1.43	SKN	
115	0.16	HBS	
116	0.43	HBS	
117	0.2	HBS	
118	0.04	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
119	0.04	HBS	
120	0.43	SKN	
121	0.43	SKN	
122	0.06	HBS	
123	0.06	HBS	
124	0.06	HBS	
125	0.04	HBS	
126	1.08	SKN	
127	0.61	SKN	
128	0.57	SKN	
129	0.55	FAP	
130	0.32	HBS	
131	5.2	HBS	
132	0.43	HBS	
133	0.12	HBS	
134	0.26	HBS	
135	0.57	HBS	
136	0.32	SKN	
137	0.04	HBS	
138	0.57	SKN	
139	0.06	HBS	
140	0.18	HBS	
141	0.14	INT	
142	0.12	INT	
143	0.1	INT	
144	0.1	INT	
145	0.06	INT	
146	0.04	INT	
147	0.53	HBS	
148	0.14	HBS	
149	0.1	CSL	
150	0.06	CSL	
151	0.16	INT	
152	0.1	INT	
153	0.1	INT	
154	0.36	HBS	
155	0.1	HBS	
156	0.14	HBS	
157	0.16	HBS	
158	0.34	SKN	
159	0.34	SKN	
160	0.47	HBS	
161	0.45	SKN	
162	0.22	CSL	
163	1.82	CSL	
163	1.82	HBS	
164	22.1	HBS	
165	0.45	CSL	
166	0.16	CSL	
167	0.2	CSL	
168	0.36	CSL	
169	26.9	HBS	
170	0.28	HBS	
171	12.1	HBS	
172	2.56	HBS	
173	2.25	HBS	
174	0.63	HBS	
175	0.47	HBS	
176	0.41	HBS	
177	1.51	HBS	
178	0.16	HBS	
179	0.47	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
180	4.63	HBS	
181	1.43	HBS	
182	0.38	SKN	
183	0.34	SKN	
184	1.43	SKN	
185	1.72	SKN	
186	0.82	SKN	
187	0.34	SKN	
188	1000	SKN	
189	41.8	SKN	
190	0.82	HBS	
191	0.3	HBS	
192	0.34	HBS	
193	0.16	HBS	
194	1.1	HBS	
195	1.96	HBS	
196	1.37	HBS	
197	0.12	HBS	
198	0.49	HBS	
199	0.43	HBS	
200	0.57	HBS	
201	0.73	HBS	
202	1.35	HBS	
203	0.38	HBS	
204	0.1	HBS	
205	1.04	HBS	
206	0.51	HBS	
207	1	HBS	
208	1.35	HBS	
209	1.57	HBS	
210	0.59	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
211	4.51	HBS	
212	0.47	SKN	
213	2.33	SKN	
214	699	SKN	
215	41.6	SKN	
216	4.77	SKN	
217	2.8	SKN	
218	4.1	GRD	
219	1.59	GRD	
220	1.94	GRD	
221	1.12	GRD	
222	1.74	GRD	
223	1.35	GRD	
224	2.91	GRD	
225	0.47	GRD	
226	24.7	GRD	
226	24.7	SKN	
227	0.24	SKN	
228	0.18	SKN	
229	0.79	SKN	
230	0.02	SKN	
231	1	SKN	
232	0.12	HBS	
233	0.32	HBS	
234	0.14	HBS	
235	2.29	HBS	
236	0.16	HBS	
237	0.69	HBS	
238	0.41	HBS	
239	0.32	HBS	
240	0.24	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
241	0.69	HBS	
242	0.53	HBS	
243	0.1	HBS	
244	0.45	HBS	
245	0.88	HBS	
246	0.79	HBS	
247	0.3	HBS	
248	0.51	HBS	
249	0.51	HBS	
250	0.71	HBS	
251	0.45	HBS	
252	0.38	HBS	
253	0.06	HBS	
254	0.22	HBS	
255	0.47	HBS	
256	0.9	HBS	
257	0.9	HBS	
258	0.65	HBS	
259	1.06	HBS	
260	4.57	HBS	
261	0.9	HBS	
262	0.22	HBS	
263	1.53	HBS	
264	0.55	HBS	
265	584	SKN	
266	3.4	SKN	
267	3.69	SKN	
268	1.06	SKN	
269	2.84	SKN	
270	1.49	SKN	
271	1.27	SKN	

Depth (m)	Magnetic Susceptibility	Unit	Comments
272	1.33	SKN	
273	1.49	SKN	
274	43	SKN	
275	0.18	QTE	
276	0.1	QTE	
277	0.69	SKN	
278	0.92	SKN	
279	0.92	HBS	
280	0.67	HBS	
281	4.16	HBS	
282	1.88	HBS	
283	1.06	HBS	
284	0.2	HBS	
285	0.14	HBS	
286	0.16	HBS	
287	0.36	MNZ	
288	0.28	MNZ	
289	0.32	MNZ	
290	2.25	MNZ	
291	1.1	MNZ	
292	1.08	MNZ	
293	0.34	MNZ	
294	0.26	MNZ	
295	35.4	MNZ	
296	31.6	MNZ	
297	40.1	MNZ	
298	39	MNZ	
299	42.4	MNZ	
300	21.3	MNZ	
301	41.1	MNZ	
302	36.1	MNZ	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
303	33.6	MNZ	
304	42.7	MNZ	
305	36.8	MNZ	
306	21	MNZ	
307	29.9	MNZ	
308	33.3	MNZ	
309	0.32	MNZ	
310	1.7	MNZ	
311	12.5	MNZ	
312	3.6	MNZ	
313	0.79	HBS	
314	0.02	HBS	
315	2.68	HBS	
316	0	HBS	
317	0.79	SKN	
318	0	HBS	to fractured to mag
319	0.1	HBS	
320	0.43	HBS	
321	0.04	HBS	
322	0.2	SKN	
323	0.28	HBS	
324	0.18	HBS	
325	0.02	HBS	
326	1.06	HBS	
327	1.16	HBS	
328	0.02	HBS	
329	8.61	HBS	
330	0.28	HBS	
331	6.23	HBS	
332	1.08	HBS	
333	0.43	DAC	
334	3.13	DAC	
335	0.73	DAC	
336	2.68	DAC	
337	0.38	DAC	
338	1.27	DAC	
339	2.11	DAC	
340	1.8	DAC	
341	0.2	DAC	
342	0.41	DAC	
343	2.11	DAC	
344	0.88	SKN	
345	0.61	SKN	
346	0.3	SKN	
347	0.16	SKN	
348	5.26	HBS	
349	0.06	HBS	
350	0.12	HBS	
351	0.41	HBS	
352	0.14	HBS	
353	0.22	HBS	
354	0.34	HBS	
355	0.02	HBS	
356	0.02	HBS	
357	0	HBS	To fractured to mag
358	0.06	HBS	
359	1.68	HBS	
360	0.06	HBS	
361	0.18	HBS	
362	0.06	HBS	
363	1.06	SKN	
364	0.9	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
365	4.48	SKN	
366	0.98	SKN	
367	86.6	SKN	
368	7.09	HBS	
369	0.2	HBS	
370	0.14	HBS	
371	0.02	HBS	
372	0.22	HBS	
373	0.12	HBS	
374	0.16	HBS	
375	0.3	HBS	
376	0.08	HBS	
377	0.02	HBS	
378	3.13	SKN	
379	0.02	HBS	
380	0.61	SKN	
381	3.75	SKN	
382	3.48	HBS	
383	0.36	HBS	
384	0.2	HBS	
385	0.2	HBS	
386	23.7	SKN	
387	0.79	HBS	
388	0.32	HBS	
389	1.39	HBS	
390	1.2	HBS	
391	0.45	HBS	
392	0.43	HBS	
393	0.38	HBS	
394	0.88	HBS	
395	2.64	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
396	1.64	HBS	
397	1.08	HBS	
398	1.96	HBS	
399	2.7	HBS	
400	7.01	HBS	
401	7.31	HBS	
402	3.44	HBS	
403	1.66	HBS	
404	2.48	HBS	
405	4.1	HBS	
406	0.63	HBS	
407	1.31	HBS	
408	1.14	HBS	
409	0.14	HBS	
410	88.5	HBS	
411	2.02	HBS	
412	0.43	HBS	
413	19.2	GRD	
414	17	GRD	
415	6.08	GRD	
416	11.1	GRD	
417	12.7	GRD	
418	10.5	GRD	
419	13.5	GRD	
420	12.2	GRD	
421	15.9	GRD	
422	13.2	GRD	
423	13.7	GRD	
424	14.9	GRD	
425	1.27	GRD	
426	11	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
427	11.2	GRD	
428	7.46	GRD	
429	9.75	GRD	
430	11.5	GRD	
431	11.9	GRD	
432	14.5	GRD	
433	16.1	GRD	
434	33.9	GRD	
435	40.9	GRD	
436	36.4	GRD	
437	32.4	GRD	
438	46.9	GRD	
439	17.4	GRD	
440	13.8	GRD	
441	15.4	GRD	
442	0.9	HBS	
443	0.2	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments

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	S052977	☐	B00-007	Batch 7		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052922	☐	b00-005	5	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052930	☐	b00-005	5		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052938	☐	B00-006	Batch 6		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052941	☐	B00-006	Batch 6	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052952	☐	B00-006	Batch 6		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052961	☐	B00-006	Batch 6	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052971	☐	B00-007	Batch 7	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052914	☐	b00-005	5		☑	☐	☐
62.22	64.65	2.43	SKN, HBS	2.37	98	S052904	☐	b00-005	5		☐	☐	☐
64.65	67.51	2.86	SKN	2.56	90	S052905	☐	b00-005	5		☐	☐	☐
67.51	68.58	1.07	SKN	1.07	100	S052906	☐	b00-005	5		☐	☐	☐
67.51	68.58	1.07	SKN	1.07	100	S052907	☐	b00-005	5		☐	☐	☑
68.58	70.58	2.00	SKN	2.00	100	S052908	☐	b00-005	5		☐	☐	☐
70.58	72.04	1.46	SKN	1.46	100	S052909	☐	b00-005	5		☐	☐	☐
72.04	73.04	1.00	SKN, HBS	1.00	100	S052910	☐	b00-005	5		☐	☐	☐
82.47	83.82	1.35	HBS	1.35	100	S052911	☐	b00-005	5		☐	☐	☐
83.82	84.82	1.00	HBS	1.00	100	S052912	☐	b00-005	5		☐	☐	☐
84.82	86.17	1.35	HBS	1.27	94	S052913	☐	b00-005	5		☐	☐	☐
89.05	92.05	3.00	HBS	1.70	57	S052915	☐	b00-005	5		☐	☐	☐
92.05	94.90	2.85	HBS	2.40	84	S052916	☐	b00-005	5		☐	☐	☐
94.90	97.90	3.00	HBS	2.10	70	S052917	☐	b00-005	5		☐	☐	☐
97.90	99.49	1.59	HBS	1.37	86	S052918	☐	b00-005	5		☐	☐	☐
99.49	101.18	1.69	HBS	1.51	89	S052919	☐	b00-005	5		☐	☐	☐
101.18	103.03	1.85	SKN, HBS	1.85	100	S052920	☐	b00-005	5		☐	☐	☐

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
103.03	106.08	3.05	SKN, HBS	2.93	96	S052921	☐	b00-005	5		☐	☐	☐
106.08	109.18	3.10	HBS	3.10	100	S052923	☐	b00-005	5		☐	☐	☐
109.18	111.79	2.61	SKN, HBS	2.61	100	S052924	☐	b00-005	5		☐	☐	☐
111.79	114.79	3.00	SKN	2.79	93	S052925	☐	b00-005	5		☐	☐	☐
114.79	117.79	3.00	SKN, HBS	2.80	93	S052926	☐	b00-005	5		☐	☐	☐
117.79	119.72	1.93	HBS	1.93	100	S052927	☐	b00-005	5		☐	☐	☐
117.79	119.72	1.93	HBS	1.93	100	S052928	☐	b00-005	5		☐	☑	☐
119.72	121.99	2.27	HBS, SKN	1.92	85	S052929	☐	b00-005	5		☐	☐	☐
121.99	124.00	2.01	SKN, HBS	2.01	100	S052931	☐	B00-006	Batch 6		☐	☐	☐
124.00	125.82	1.82	HBS	1.82	100	S052932	☐	B00-006	Batch 6		☐	☐	☐
125.82	128.31	2.49	SKN, HBS	2.49	100	S052933	☐	B00-006	Batch 6		☐	☐	☐
125.82	128.31	2.49	SKN, HBS	2.49	100	S052934	☐	B00-006	Batch 6		☐	☐	☑
133.03	135.64	2.61	HBS	2.61	100	S052935	☐	B00-006	Batch 6		☐	☐	☐
135.64	137.56	1.92	SKN, HBS	1.92	100	S052936	☐	B00-006	Batch 6		☐	☐	☐
137.56	138.84	1.28	SKN, HBS	1.28	100	S052937	☐	B00-006	Batch 6		☐	☐	☐
138.84	140.17	1.33	SKN, HBS	1.33	100	S052939	☐	B00-006	Batch 6		☐	☐	☐
156.05	157.95	1.90	HBS	1.84	97	S052940	☐	B00-006	Batch 6		☐	☐	☐
157.95	160.02	2.07	HBS, SKN	2.07	100	S052942	☐	B00-006	Batch 6		☐	☐	☐
160.02	161.13	1.11	HBS, SKN	1.11	100	S052943	☐	B00-006	Batch 6		☐	☐	☐
175.10	177.96	2.86	HBS	2.74	96	S052944	☐	B00-006	Batch 6		☐	☐	☐
177.96	180.00	2.04	HBS	2.01	99	S052945	☐	B00-006	Batch 6		☐	☐	☐
177.96	180.00	2.04	HBS	2.01	99	S052946	☐	B00-006	Batch 6		☐	☑	☐

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
180.00	181.86	1.86	HBS	1.86	100	S052947	☐	B00-006	Batch 6		☐	☐	☐
181.86	183.64	1.78	HBS, SKN	1.78	100	S052948	☐	B00-006	Batch 6		☐	☐	☐
183.64	186.00	2.36	SKN	2.36	100	S052949	☐	B00-006	Batch 6		☐	☐	☐
186.00	187.31	1.31	SKN	1.26	96	S052950	☐	B00-006	Batch 6		☐	☐	☐
187.31	189.41	2.10	SKN	2.01	96	S052951	☐	B00-006	Batch 6		☐	☐	☐
211.70	213.70	2.00	HBS, SKN	2.00	100	S052953	☐	B00-006	Batch 6		☐	☐	☐
213.70	215.70	2.00	SKN	2.00	100	S052954	☐	B00-006	Batch 6		☐	☐	☐
215.70	217.93	2.23	SKN	2.23	100	S052955	☐	B00-006	Batch 6		☐	☐	☐
226.00	229.00	3.00	SKN, GRD	3.00	100	S052956	☐	B00-006	Batch 6		☐	☐	☐
229.00	231.01	2.01	SKN	1.82	91	S052957	☐	B00-006	Batch 6		☐	☐	☐
231.01	232.72	1.71	SKN, HBS	1.17	68	S052958	☐	B00-006	Batch 6		☐	☐	☐
264.39	267.31	2.92	HBS, SKN	2.92	100	S052959	☐	B00-006	Batch 6		☐	☐	☐
267.31	270.31	3.00	SKN	3.00	100	S052960	☐	B00-006	Batch 6		☐	☐	☐
270.31	272.95	2.64	SKN	2.64	100	S052962	☐	B00-006	Batch 6		☐	☐	☐
272.95	274.97	2.02	SKN	2.02	100	S052963	☐	B00-006	Batch 6		☐	☐	☐
276.05	278.71	2.66	QTE, SKN	2.66	100	S052964	☐	B00-006	Batch 6		☐	☐	☐
284.90	286.62	1.72	HBS	1.51	88	S052965	☐	B00-006	Batch 6		☐	☐	☐
316.76	317.76	1.00	SKN, HBS	1.00	100	S052966	☐	B00-006	Batch 6		☐	☐	☐
321.30	322.90	1.60	SKN, HBS	1.60	100	S052967	☐	B00-007	Batch 7		☐	☐	☐
343.64	345.33	1.69	DAC, SKN	1.69	100	S052968	☐	B00-007	Batch 7		☐	☐	☐
345.33	347.18	1.85	SKN	1.75	95	S052969	☐	B00-007	Batch 7		☐	☐	☐
362.48	364.33	1.85	HBS, SKN	1.85	100	S052970	☐	B00-007	Batch 7		☐	☐	☐
364.33	367.13	2.80	SKN	2.80	100	S052972	☐	B00-007	Batch 7		☐	☐	☐

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
377.53	378.75	1.22	SKN, HBS	1.22	100	S052973	☐	B00-007	Batch 7		☐	☐	☐
379.39	381.90	2.51	SKN, HBS	2.51	100	S052974	☐	B00-007	Batch 7		☐	☐	☐
379.39	381.90	2.51	SKN, HBS	2.51	100	S052975	☐	B00-007	Batch 7		☐	☐	☑
385.08	386.34	1.26	HBS, SKN	1.26	100	S052976	☐	B00-007	Batch 7		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
b00-005	S052914	0.00	0.00	0.00	2		0	0.0	☐	☐	☑	☐	
b00-005	S052922	0.00	0.00	1.30	590		73	2.2	☐	☐	☐	☑ ME-15	
b00-005	S052930	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-006	S052938	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-006	S052941	0.00	0.00	1.32	559		70	2.3	☐	☐	☐	☑ ME-15	
B00-006	S052952	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-006	S052961	0.00	0.00	1.48	132		31	2.4	☐	☐	☐	☑ ME-16	
B00-007	S052971	0.00	0.00	1.36	571		72	2.0	☐	☐	☐	☑ ME-15	
B00-007	S052977	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
b00-005	S052904	62.22	64.65	0.22	3		1	0.6	☐	☐	☐	☐	
b00-005	S052905	64.65	67.51	0.00	5		2	0.1	☐	☐	☐	☐	
b00-005	S052906	67.51	68.58	0.15	3		1	0.1	☐	☐	☐	☐	
b00-005	S052907	67.51	68.58	0.16	3		1	0.1	☐	☑	☐	☐	
b00-005	S052908	68.58	70.58	0.00	2		2	0.0	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
b00-005	S052909	70.58	72.04	0.03	3		2	0.2	☐	☐	☐	☐	
b00-005	S052910	72.04	73.04	0.04	15		3	0.3	☐	☐	☐	☐	
		73.04	82.47						☐	☐	☐	☐	
b00-005	S052911	82.47	83.82	0.01	117		22	0.6	☐	☐	☐	☐	
b00-005	S052912	83.82	84.82	0.07	275		1200	0.4	☐	☐	☐	☐	
b00-005	S052913	84.82	86.17	0.04	791		17	0.6	☐	☐	☐	☐	
		86.17	89.05						☐	☐	☐	☐	
b00-005	S052915	89.05	92.05	0.01	20		5	0.3	☐	☐	☐	☐	
b00-005	S052916	92.05	94.90	0.01	107		6	0.5	☐	☐	☐	☐	
b00-005	S052917	94.90	97.90	0.56	1705		35	0.3	☐	☐	☐	☐	
b00-005	S052918	97.90	99.49	0.50	1125		33	0.4	☐	☐	☐	☐	
b00-005	S052919	99.49	101.18	0.06	85		6	0.3	☐	☐	☐	☐	
b00-005	S052920	101.18	103.03	0.04	8		1	0.2	☐	☐	☐	☐	
b00-005	S052921	103.03	106.08	0.00	40		3	0.2	☐	☐	☐	☐	
b00-005	S052923	106.08	109.18	0.01	39		3	0.3	☐	☐	☐	☐	
b00-005	S052924	109.18	111.79	0.02	15		2	0.4	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
b00-005	S052925	111.79	114.79	0.35	37		3	0.1	☐	☐	☐	☐	
b00-005	S052926	114.79	117.79	0.09	131		6	0.3	☐	☐	☐	☐	
b00-005	S052927	117.79	119.72	0.01	102		9	0.4	☐	☐	☐	☐	
b00-005	S052928	117.79	119.72	0.01	93		9	0.3	☑	☐	☐	☐	
b00-005	S052929	119.72	121.99	0.01	2		1	0.1	☐	☐	☐	☐	
B00-006	S052931	121.99	124.00	0.00	21		4	1.2	☐	☐	☐	☐	
B00-006	S052932	124.00	125.82	0.00	12		2	0.6	☐	☐	☐	☐	
B00-006	S052933	125.82	128.31	0.04	15		1	0.3	☐	☐	☐	☐	
B00-006	S052934	125.82	128.31	0.06	13		1	0.2	☐	☑	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052935	133.03	135.64	0.02	1		0	0.2	☐	☐	☐	☐	
B00-006	S052936	135.64	137.56	0.05	4		0	0.3	☐	☐	☐	☐	
B00-006	S052937	137.56	138.84	0.06	20		3	0.3	☐	☐	☐	☐	
B00-006	S052939	138.84	140.17	0.00	21		5	0.7	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052940	156.05	157.95	0.00	92		8	0.3	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-006	S052942	157.95	160.02	0.01	8		1	0.3	☐	☐	☐	☐	
B00-006	S052943	160.02	161.13	0.02	10		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052944	175.10	177.96	0.10	8		1	0.2	☐	☐	☐	☐	
B00-006	S052945	177.96	180.00	0.01	4		0	0.2	☐	☐	☐	☐	
B00-006	S052946	177.96	180.00	0.01	4		0	0.2	☑	☐	☐	☐	
B00-006	S052947	180.00	181.86	0.03	9		1	0.2	☐	☐	☐	☐	
B00-006	S052948	181.86	183.64	0.02	2		0	0.2	☐	☐	☐	☐	
B00-006	S052949	183.64	186.00	0.80	5		1	0.1	☐	☐	☐	☐	
B00-006	S052950	186.00	187.31	0.05	3		1	0.0	☐	☐	☐	☐	
B00-006	S052951	187.31	189.41	0.36	9		1	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052953	211.70	213.70	0.02	11		1	0.1	☐	☐	☐	☐	
B00-006	S052954	213.70	215.70	0.22	5		1	0.2	☐	☐	☐	☐	
B00-006	S052955	215.70	217.93	0.14	7		1	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-006	S052956	226.00	229.00	0.12	146		6	0.4	☐	☐	☐	☐	
B00-006	S052957	229.00	231.01	0.02	1		1	0.3	☐	☐	☐	☐	
B00-006	S052958	231.01	232.72	0.02	3		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052959	264.39	267.31	0.11	3		1	0.2	☐	☐	☐	☐	
B00-006	S052960	267.31	270.31	0.00	4		1	0.1	☐	☐	☐	☐	
B00-006	S052962	270.31	272.95	0.01	2		1	0.2	☐	☐	☐	☐	
B00-006	S052963	272.95	274.97	0.00	1		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052964	276.05	278.71	0.03	3		1	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052965	284.90	286.62	0.01	74		10	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-006	S052966	316.76	317.76	0.01	2		0	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052967	321.30	322.90	0.27	31		7	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-007	S052968	343.64	345.33	0.09	2		0	0.1	☐	☐	☐	☐	
B00-007	S052969	345.33	347.18	0.11	3		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052970	362.48	364.33	0.03	1		0	0.2	☐	☐	☐	☐	
B00-007	S052972	364.33	367.13	0.05	1		0	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052973	377.53	378.75	0.19	2		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052974	379.39	381.90	0.32	2		0	0.3	☐	☐	☐	☐	
B00-007	S052975	379.39	381.90	0.49	2		0	0.3	☐	☑	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052976	385.08	386.34	0.17	1		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
3.13	6.16	VN	37	30	NUL	1	3 cm quartz vein with calcite within. Vuggy at surface.			
								--	0	---
5.93	5.98	VN	37	60	NUL	1	5 cm quartz vein with oxidized calcite crosscutting. Minor disseminated pyrite, trace green malachite, and trace disseminated molybdenite throughout.			
								mo	0.1	DI
								Cp	0.1	DI
16.90	17.04	VN	37	-	NUL	1	Irregular oxide crosscutting andesite.			
	17.04	VN	37	-	NUL	1	Oxidized vein cross cutting andesite.			
								--	0	---
18.03	18.07	VN	37	70	NUL	1	Calcite vein			
								--	0	---
19.05	99.49	FT	42	-	NUL	1	Strongly oxidized, rubbly to gougy, limonitic to strongly oxidized fault zone hosting up to 20 cm. Intervals of quartz-carbonate veining with strong limonite and vuggy textures. Relict sericite altered hornfels-biotite schist found intermittently. Malachite staining on fractures, usually in quartz-carbonate veined zones.			
								Ml	0.1	BL
47.46	47.48	VN	37	70	NUL	1	Calcite vein			
								--	0	---
54.85	56.38	FT	42	-	NUL	1	Moderately to strongly oxidized, rubbly fault zone within hornfels-biotite schist.			
								--	0	---
64.50	64.64	VN	37	15	NUL	1	Magnetite-serpentine-tremolite? Vein hosting trace chalcopyrite and magnetite weakly hematite altered to dark red. Black to dark green.			
								Cp	0.1	BL
68.04	68.08	bn		65	NUL	1	Actinolite? Band hosting strong chalcopyrite (blebby).			
								Py	5	BL
								Cp	20	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
83.91	84.59	VB	37	15	NUL	1	True dip approx. 55 degrees to west - Dark to medium grey quartz vein breccia with dark to medium grey matrix with dark grey and white angular to subangular clasts ranging from 1 mm to 1 cm. Minor vugs found locally. Minor ankerite component, and areas rimmed by about 1 mm wide fuzzy ankerite. Chalcopyrite found as blebs and within matrix and dark grey quartz veins.			
								Cp	0.2	BL
101.10	101.12	VN	37	30	NUL	1	2 cm wide calcite vein.			
								--	0	---
113.20	114.30	VN	37	30	NUL	1	Calcite-hematite veinlet hosting trace to fine grained to medium grained blebby chalcopyrite.			
								Cp	1	BL
114.40	117.00	VN	37	5	NUL	1	Strongly oxidized quartz-carbonate vein up to 2 cm with strong vuggy sections (3 cm by 10 cm).			
120.95	121.03	VN	37	40	NUL	1	1 cm wide quartz vein, medium grey.			
								--	0	---
124.60	124.70	VN	37	25	NUL	1	Light grey and medium grey quartz vein with sericite alteration selvages 1 cm wide.			
								--	0	---
137.90	138.10	DY	37	30	NUL	1	Intermediate fine grained dyke with calcite veinlets (variably oxidized).			
								--	0	---
140.17	140.20	FR	5	30	NUL	8	Fracture sets within intrusive dykes hosting army green with or without calcite up to 0.5 cm wide.			
								--	0	---
151.05	151.55	VN	37	30	NUL	1	Quartz-carbonate vein, locally vuggy and strongly orange stained with minor manganese? Seams pervasive.			
								--	0	---
153.40	153.45	VN	37	25	NUL	1	1 cm wide calcite vein, moderately oxidized.			
								--	0	---
156.05	157.95	FT	42	40	NUL	1	Strongly oxidized quartz-carbonate altered fault zone with the last 15 cm of calcite with vugs filled with goethite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Go	1	BL
177.00	177.15	VT	37	5	NUL	3	Calcite-hematite veinlet hosting blebby chalcopyrite.			
								Cp	1	BL
185.20	185.25	VT	37	25	NUL	1	Black seam hosting blebby chalcopyrite.			
								Cp	2	BL
189.30	189.36	bn		60	NUL	2	Magnetite band hosting semi-massive to massive magnetite - 2 cm wide.			
								--	0	---
206.30	206.40	VT	37	30	NUL	5	chlorite-pyrite seams.			
								--	0	---
214.32	214.42	VN	37	40	NUL	1	Ankerite-magnetite-chalcopyrite vein skarn. Ankerite appears moderately brecciated with magnetite stockwork veins. Seams of < 1 cm and up to 2 cm wide.			
								Cp	5	BL
215.10	215.25	VT	37	25	NUL	4	Calcite-hematite-chalcopyrite veinlets within skarn.			
								Cp	1	BL
215.75	215.80	VN	37	40	NUL	1	Magnetite-chalcopyrite vein within skarn.			
								Cp	5	BL
219.50	219.60	VT	37	20	NUL	1	Quartz-chalcopyrite vein within granodiorite.			
								Cp	10	BL
220.30	225.50	FR	5	20	NUL	10	Fracture set in granodiorite.			
								--	0	---
222.15	222.20	VN	37	25	NUL	1	1 cm wide quartz-chalcopyrite vein - chalcopyrite found as fine to medium grained blebs within centre of vein - discontinuous.			
								Cp	5	BL
227.23	227.42	FT	42	-	NUL	1	Strongly oxidized and rubbly/gouge quartz-carbonate zone with moderate malachite staining locally.			
								Ml	2	BL
231.42	232.70	FT	42	-	NUL	1	Strongly fractured, broken, rubbly and strongly oxidized fault zone.			
								--	0	---
233.33	233.75	FT	42	-	NUL	1	Strongly fractured, broken, rubbly and strongly oxidized fault zone.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								--	0	---
235.20	235.30	FT	42	-	NUL	1	Strongly fractured, broken, rubbly and strongly oxidized fault zone.			
								--	0	---
269.90	270.00	bn		85	NUL	1	Quartz band with 5-10% impurities disseminated (hornblende). Hosting medium grained blebby chalcopyrite.			
								Cp	1	BL
279.15	279.20	bn		65	NUL	1	1 cm wide sporadically disseminated pyrite vein band along foliation.			
								Py	5	BL
284.90	286.62	BX	34	-	NUL	1	strongly crackle brecciated and mosaic brecciated hornfels-biotite schist with clasts within mosaic brecciated angular up to 1 x 3 cm. Matrix is dominantly ankerite and calcite with ankerite rimming calcite clasts. Ankerite is zoned around clasts and appears chalcedonic. Some clasts rimmed by ankerite are very strongly chlorite altered.			
								Cp	1	BL
288.70	288.75	VN	37	40	NUL	1	4 cm wide ankerite vein within dyke.			
								--	0	---
291.30	291.45	VN	37	55	NUL	3	Dendritic ankerite veins within dyke.			
								--	0	---
299.19	312.10	FR	5	30	NUL	8	Fracture set within monzonite.			
								--	0	---
308.90	309.15	FT	42	-	NUL	1	Strongly clay altered and rubbly zone with weak oxide stain.			
								--	0	---
310.00	310.20	FT	42	-	NUL	1	Rubbly and moderately to strongly oxidized zone within monzonite.			
								--	0	---
321.40	321.70	VN	37	20	NUL	1	Calcite vein- epithermal like in nature with multiple bands of veins hosting blebby to disseminated chalcopyrite and pyrrhotite.			
								--	0	---
331.69	331.89	DY	37	75	NUL	1	Dacite sill.			
								--	0	---

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
345.10	345.20	VN	37	10	NUL	1	Magnetite-pyrrhotite-chalcopyrite-pyrite vein (1 cm wide) within pyroxene=garnet skarn.			
								Po	1	BL
								Cp	0.1	BL
								Py	5	BL
								Mg	5	BL
359.90	360.20	VN	37	15	NUL	1	Calcite-hematite vein 2 cm wide with light grey 2 cm wide breccia of light grey fine grained calcareous matrix with feldspar? Phenocrysts up to 0.5 mm.			
								--	0	---
364.37	365.50	bn		85	NUL	1	Magnetite-pyroxene-actinolite-chalcopyrite skarn band.			
								Cp	2	BL
364.42	364.45	bn		60	NUL	1	Magnetite-pyroxene-actinolite-chalcopyrite skarn band.			
								Cp	3	BL
365.08	365.09	bn		80	NUL	1	Magnetite-pyroxene-actinolite-chalcopyrite skarn band.			
								Cp	5	BL
366.95	367.13	bn		80	NUL	1	Magnetite-pyroxene-actinolite-chalcopyrite skarn band with serpentine.			
								Cp	3	BL
377.95	377.98	VN	37	60	NUL	1	Pyrrhotite-pyrite vein 1 cm wide.			
								Py	10	BL
								Po	10	BL
380.00	380.10	VT	37	20	NUL	1	Calcite-chalcopyrite veinlet.			
								Cp	1	BL
385.84	385.93	bn		80	NUL	1	Semi-massive magnetite-pyrrhotite-pyrite band of skarn.			
								Mg	10	BL
								Py	10	BL
								Po	20	BL
401.95	402.00	FR	5	35	NUL	1	Slickenside with blebby chalcopyrite-pyrite-chlorite. True dip about 50 degrees to the west.			
								Cp	1	BL
								Py	1	BL
408.84	409.58	FT	42	-	NUL	1	Strongly oxidized, weakly rubbly to gougy fault zone within hornfels-biotite schist.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								--	0	---
414.95	415.00	VT	37	40	NUL	2	Quartz-chlorite veinlet 5 mm wide with 5 mm k-spar altered selvages.			
								--	0	---
416.50	416.60	VT	37	65	NUL	1	Stockwork to dendritic magnetite veins up to 2 mm coalescing into 1 cm wide cutting granodiorite.			
								--	0	---
424.30	424.50	VT	37	10	NUL	1	Quartz-calcite-chalcopyrite-pyrrhotite veinlet with up to 1 cm wide k-spar altered selvages. Chalcopyrite generally found along edges of vein and not in centre.			
								Cp	5	BL
								Po	2	BL
428.85	428.95	VN	37	30	NUL	1	Quartz-molybdenite-chalcopyrite vein 1 cm wide generally hosting mineralization along the edges of the vein discontinuously. 1 cm wide argillic to k-spar altered selvages.			
								Cp	1	BL
								mo	0.5	BL
432.30	432.50	VN	37	20	NUL	1	1 cm wide light to medium grey quartz vein hosting trace fine grained molybdenite along the edge of the vein and trace blebs within k-spar altered selvages up to 0.5 cm wide.			
								Cp	0.5	BL
								mo	0.5	BL
434.50	435.40	VN	37	5	NUL	1	Medium grey quartz vein with irregular fracture filled with later calcite hosting blebby fine to medium grained chalcopyrite and molybdenite usually along the edge of the veins. Moderate k-spar alteration selvages, but discontinuous along strike.			
								mo	0.5	BL
								Cp	0.5	BL

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397226	6795491	1284	402.33

ZONE: Hopper

SECTION:

HOLE: HOP-16-015

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 19 - Sep 24, 2016

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
7.62	270	-59.3	Reflex
400.81	283	-55.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	0.13	0.13	HBS
0.13	5.03	4.9	FAP
5.03	30.35	25.32	HBS
30.35	32.92	2.57	SKN
32.92	37.5	4.58	LST
37.5	41.02	3.52	SKN
41.02	51.28	10.26	HBS
51.28	52.01	0.73	SKN
52.01	52.39	0.38	HBS
52.39	52.67	0.28	FAP
52.67	55.65	2.98	HBS
55.65	57.04	1.39	FAP
57.04	60.3	3.26	HBS
60.3	62.03	1.73	AND
62.03	63.08	1.05	HBS
63.08	69.54	6.46	MBL

SAMPLES	
Numbers:	S052978 to S053028
Total:	51
Batch:	007, 008
Certificates:	WH16161298, WH16167646

COMMENTS

69.54	70.26	0.72	SKN
70.26	74.93	4.67	MBL
74.93	75.37	0.44	SKN
75.37	77.28	1.91	MBL
77.28	85.86	8.58	HBS
85.86	89.13	3.27	MBL
89.13	89.73	0.6	SKN
89.73	94.01	4.28	MBL
94.01	94.53	0.52	SKN
94.53	99.1	4.57	HBS
99.1	101.07	1.97	SKN
101.07	115.14	14.07	GRD
115.14	117.98	2.84	HBS
117.98	118.71	0.73	GRD
118.71	120.28	1.57	AND
120.28	121.81	1.53	GRD
121.81	140.98	19.17	HBS
140.98	144.78	3.8	GRN
144.78	145.47	0.69	HBS
145.47	149.08	3.61	SKN
149.08	154.24	5.16	HBS
154.24	159.81	5.57	SKN
159.81	180.05	20.24	HBS
180.05	191.03	10.98	SKN
191.03	191.68	0.65	QTE
191.68	195.84	4.16	HBS
195.84	197.69	1.85	QTE
197.69	200.65	2.96	HBS
200.65	201.08	0.43	SKN
201.08	208.74	7.66	HBS
208.74	209.15	0.41	QTE
209.15	244.22	35.07	HBS

244.22	245.45	1.23	FFP
245.45	251.96	6.51	FAP
251.96	255.47	3.51	FFP
255.47	270.35	14.88	HBS
270.35	270.93	0.58	SKN
270.93	284.27	13.34	HBS
284.27	301.59	17.32	GRD
301.59	303.97	2.38	SKN
303.97	308.89	4.92	HBS
308.89	309.37	0.48	GRN
309.37	311.52	2.15	HBS
311.52	326.2	14.68	GRD
326.2	327.05	0.85	GRN
327.05	327.95	0.9	GRD
327.95	328.24	0.29	GRN
328.24	341.18	12.94	HBS
341.18	349.17	7.99	GRD
349.17	350.22	1.05	HBS
350.22	353.46	3.24	GRD
353.46	355.28	1.82	GRN
355.28	357.22	1.94	HBS
357.22	361.71	4.49	GRN
361.71	365.19	3.48	SKN
365.19	365.87	0.68	GRD
365.87	367.8	1.93	SKN
367.8	370.55	2.75	HBS
370.55	376.65	6.1	SKN
376.65	387.28	10.63	HBS
387.28	391.03	3.75	GRD
391.03	402.33	11.3	HBS

Box Log

HOP-16-015

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	5.1
2	5.1	9.36
3	9.36	13.51
4	13.51	17.68
5	17.68	21.98
6	21.98	26.08
7	26.08	30.5
8	30.5	34.63
9	34.63	38.95
10	38.95	43.25
11	43.25	47.71
12	47.71	52
13	52	56.38
14	56.38	60
15	60	64.65
16	64.65	69.17
17	69.17	73.48
18	73.48	77.77
19	77.77	82.05
20	82.05	86.36
21	86.36	90.66
22	90.66	95.09
23	95.09	99.23
24	99.23	103.91
25	103.91	108
26	108	112.16
27	112.16	116.33
28	116.33	120.54
29	120.54	124.88
30	124.88	129.47
31	129.47	133.76
32	133.76	138.14
33	138.14	141.86
34	141.86	146.14
35	146.14	150.8
36	150.8	155.05
37	155.05	159.46
38	159.46	163.53
39	163.53	167.46
40	167.46	171.76
41	171.76	175.88
42	175.88	180.42
43	180.42	184.66
44	184.66	188.93
45	188.93	193.24
46	193.24	197.42
47	197.42	201.79
48	201.79	206.08
49	206.08	210.44
50	210.44	214.76
51	214.76	219.12
52	219.12	223.4
53	223.4	227.67
54	227.67	231.87
55	231.87	236.22
56	236.22	240.47
57	240.47	244.74
58	244.74	249.3
59	249.3	254.36
60	254.36	258.57
61	258.57	262.66
62	262.66	266.6
63	266.6	270.75
64	270.75	274.95
65	274.95	279.06
66	279.06	283.45
67	283.45	287.78
68	287.78	292
69	292	296.44
70	296.44	300.78
71	300.78	304.92
72	304.92	309.26
73	309.26	313.49
74	313.49	317.66
75	317.66	321.76
76	321.76	326.11
77	326.11	330.54
78	330.54	334.85
79	334.85	339.23
80	339.23	343.63
81	343.63	347.98
82	347.98	352.29
83	352.29	356.64
84	356.64	360.92
85	360.92	365.32
86	365.32	369.68
87	369.68	373.92
88	373.92	378.11
89	378.11	382.37
90	382.37	386.49

Box Number	From (m)	To (m)
91	386.49	390.87
92	390.87	395.1
93	395.1	399.34
94	399.34	402.33

Box Number	From (m)	To (m)

Box Number	From (m)	To (m)

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	0.13	0.13	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with weak oxide staining on fractures. Rubbly interval at top of hole.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
0.13	5.03	4.90	FAP	CG	Dark green-grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm, but usually 0.5 mm long. Moderate oxide staining along fractures. 1 quartz vein, moderately oxidized with trace blebby pyrite.							
						DK	GN	PO	---	--	--	0
						DK	GY					
5.03	30.35	25.32	HBS	FG	Dark grey to purple to green to light grey, well foliated hornfels-biotite schist. Moderate intervals (10.21 - 11.84 and 20.42-22.46) of moderately to strongly oxidized, variably rubbly/fractured hornfels-biotite schist with minor quartz-carbonate veining/alteration. A 20 cm interval of hornfels-biotite schist with dark purple circular garnets up to 1.5 cm in diameter found sporadically and represents about 20% of interval. Last 1 to 1.5 meters of interval is moderately sericite altered with light green to tan in colour and well foliated with minor army green clay alteration on occasional fractures (0.5 cm wide).							
						MD	OR					
						DK	GY	FO	OXI	2I	--	0
						DK	PU		SER	1I		
						DK	GN					
30.35	31.67	1.32	SKN	FG	Massive, moderate to strongly chlorite altered skarn with weak foliation at end of interval. A 3 cm wide calcite vein with dark grey approximately 0.5 cm selvages and weak oxide stain.							
						MD	GN	MA	CHL	3I	--	0
									OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
31.67	32.92	1.25	SKN	FG	Semi-massive magnetite skarn with moderate calcite stringers found pervasively. Magnetite is found as bands and dendritic-like textures along foliation. Trace chalcopyrite is found as fine grained blebs locally. Minor slickensides found along fractures locally. Minor milky white quartz? Bands that have been cut by later magnetite veinlets/patches.							
						--	BL	MA	---	--	Cp	0.1
											Mg	30
32.92	37.50	4.58	LST	MG	Re-crystallized limestone - light grey to white, well banded. Weak magnetite veining found locally and up to 1 cm wide veins, which are weakly hematite altered sporadically. Serpentine bands/veins are found pervasively and are also associated with magnetite and represent about 20 percent of the interval. Serpentine is light green and vitreous. Minor hematite patches found locally.							
						LT	GY	BN	---	0I	--	0
						--	WH					
37.50	41.02	3.52	SKN	FG	Semi-massive magnetite-pyrrhotite skarn with magnetite and pyrrhotite found as patches and bands throughout interval. Magnetite is weakly and locally altered to hematite. Minor serpentine found as patches. A 20 cm wide zone of weak to moderate oxide staining. Magnetite-pyrrhotite skarn with up to 2 percent azurite crystals within vuggy/weathered -like surface of core. Last 1 m of interval between medium green chlorite skarn and banded oxide, magnetite, pyroxene with trace. Disseminated chalcopyrite. Chalcopyrite is found locally as strongly disseminated. Chalcopyrite is found locally as strongly disseminated within magnetite and pyrrhotite skarn over a 40 centimeter interval and other areas as fine grained disseminated (trace). Chalcopyrite also found within magnetite-pyrite veinlets.							
						MD	GN	BN			Po	15
						--	BL	MA	HEM	1I	Mg	30
											Cp	1
											Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
41.02	51.28	10.26	HBS	FG	Dark grey-purple-green to light grey, well foliated hornfels-biotite schist. Intermittent zones of moderate chlorite-sericite altered hornfels-biotite schist and calc-silicate to skarny looking horizons of well foliated pyroxene>garnet skarn, but no visible mineralization and represents about 5% of interval and found sporadically. No samples collected due to the lack of mineralization, thin horizons and large spacings between them. Moderate oxidation along fractures.							
						DK	GY	FO	CHL	2I	--	0
						DK	PU		SER	1I		
						DK	GN					
51.28	52.01	0.73	SKN	MG	Medium to coarse grained light pink to medium green actinolite-pyroxene+/-tremolite skarn with moderate laths of biotite found sporadically. Minor blebs of pyrrhotite up to 2 x 1 cm +/- quartz.							
						MD	GN		---	0I		
						DK	GN	MA	---	0I	--	0
52.01	52.39	0.38	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Minor dark green with weak chlorite banding pervasive+/-disseminated pyrite along foliation.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
52.39	52.67	0.28	FAP	CG	Dark green to grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm long and very weakly altered to clay locally. Contacts are both wavy, but look like sills.							
						DK	GN	PO	CLY	1I	--	0
						DK	GY					
52.67	55.65	2.98	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Minor dark green with weak chlorite banding pervasive+/-disseminated pyrite along foliation.							
						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.
55.65	57.04	1.39	FAP	CG	Dark green to grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm long and very weakly altered to clay locally. An approximately 30 cm interval of strongly rubbly, oxidized and clay altered fault zone and remainder of intrusive is strongly fractured.							
						MD	OR					
						DK	GN	PO	OXI	2I	--	0
						DK	GY					
57.04	60.30	3.26	HBS	FG	Light grey to light orange to medium orange to dark grey, well foliated, strongly silicified and moderately oxidized hornfels-biotite schist. Material is dominantly well fractured.							
						MD	OR		OXI	2I		
						LT	GY	FO	SIL	4I	--	0
						LT	OR					
60.30	62.03	1.73	AND	FG	Dark green, fine grained massive andesite with the top contact moderately oxide stained along core and fractures hosting strong oxide. Minor fizz - calcite altered??. Hematite and epidote alteration of fine grained mafic minerals.							
						MD	OR		OXI	2I		
						DK	GN	MA	OXI	3I	--	0
62.03	63.08	1.05	HBS	FG	Light grey to light orange to medium orange to dark grey, well foliated, strongly silicified and moderately oxidized hornfels-biotite schist. Material is dominantly well fractured.							
						MD	OR		SIL	2I		
						LT	GY	FO	OXI	2I	--	0
63.08	69.54	6.46	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally.							
						LT	GY	BN	---	0I	--	0
						DK	GY		---	0I		
						--	WH					
69.54	70.26	0.72	SKN	FG	Top 10 cm is a garnet-pyroxene mottled skarn with no visible mineralization. Remainder of interval is mottled garnet=pyroxene skarn with intermittent and green pyroxene-actinolite banded skarn. Interval is unmineralized.							
						MD	GN	Mo	---	0I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK		---	0I		
70.26	74.93	4.67	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally. 5 cm zone of garnet>pyroxene skarn with zoned garnets up to 1 x 1 cm.							
						LT	GY	BN	---	0I	--	0
						DK	GY		---	0I		
						--	WH					
74.93	75.37	0.44	SKN	FG	Mottled, medium green to light pink pyroxene>garnet skarn. Local bands of blebby orange fine grained to medium grained pits along with minor serpentine blebs/fracture fillings. Trace medium grained blebby chalcopyrite found throughout interval within both pyroxene and garnet skarn.							
						MD	GN	MA	---	0I	Cp	0.1
						LT	PK					
75.37	77.28	1.91	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally. 5 cm zone of garnet>pyroxene skarn with zoned garnets up to 1 x 1 cm.							
						LT	GY	BN	---	0I	--	0
						DK	GY		---	0I		
						--	WH					
77.28	85.86	8.58	HBS	FG	Dark grey to light grey to dark green, well foliated, strongly chlorite altered hornfels-biotite schist. Minor seams with hematite with no preferred orientation and is bleaching hornfels-biotite schist along selvages for 0.5 cm. Interval from 78.15-79.98 m comprises medium grained chlorite-biotite-rich, weakly foliated schist? With bleached seams/patches.							
						DK	GN	FO	CHL	2I	--	0
						DK	GY					
85.86	89.13	3.27	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally.							
						LT	GY	BN	---	--	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	WH					
89.13	89.73	0.60	SKN	FG	Mottled to banded pyroxene>garnet-actinolite skarn with trace blebby chalcopyrite. Minor calcite-hematite veinlets found locally.							
						MD	GN					
						LT	PK					
89.73	94.01	4.28	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Marble weakly calc-silicate altered to very light green sporadically. Minor intervals up to 10 cm of pyroxene>garnet-actinolite skarn with blebby chalcopyrite up to 1%, but represents about 2-5% of interval. A 5 cm wide zone of strongly oxidized fractures within a skarn interval with minor hematite alteration adjacent to fracture.							
						LT	GY	BN	---	0I	--	0
						DK	GY					
						--	WH					
94.01	94.53	0.52	SKN	FG	Pyroxene>garnet-actinolite skarn with banded to mottled textures hosting blebby medium grained pyrite within last 5 cm of interval.							
						MD	GN	Mo	---	--	Cp	0.1
						LT	PK	BN				
94.53	99.10	4.57	HBS	FG	Well foliated, dark grey-purple to light grey fine grained hornfels-biotite schist. Moderate oxide staining found along core locally up to 20 cm intervals. Trace chlorite altered hornfels-biotite schist.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU		SIL	2I		
99.10	101.07	1.97	SKN	FG	Strongly fractured, oxidized and gougy zone within tan to dark grey/black skarn (too altered to determine skarn mineralogy) for first 1 metre of interval, but about 60 cm likely lost during drilling. Last 30 centimetres is a light green to medium green skarn with calcite+/-hematite veinlets with dendritic manganese disseminated. Oxidized zone hosts about 1% malachite. Bottom contact grades into dyke with white/bleached zone for about 1 centimetre.							
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	OR	MA	OXI	4I	Ml	1
						DK	GY					
101.07	115.14	14.07	GRD	MG	Light grey to medium grey, equigranular granodiorite with minor sporadic feldspar phenocrysts up to 2 cm long. Minor chlorite-pyrite+/-chalcopyrite veinlets at 2 per metre are found pervasively and usually have bleached selvages up to 0.5 centimetres. Blebby pyrite pervasive replacing mafic minerals. Trace malachite found occasionally along fractures (30 degree to core axis). Minor oxide found along fractures locally.							
						MD	GY					
						LT	GY	EQ	OXI	1I	--	0
115.14	117.98	2.84	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist with weak oxide staining on fractures and locally along core. Local zones of strong chlorite? Alteration of biotite within foliation. Dark purple (hematite?) seams cut near perpendicular to foliation and weakly bleaches hornfels-biotite schist.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
117.98	118.71	0.73	GRD	MG	Dark grey to medium grey to dark green equigranular hornblende-biotite granodiorite with the contact gradational over 20 cm from dark grey-green into more light to medium green fresh granodiorite. Minor oxide staining along fractures and trace calcite veinlets pervasive.							
						MD	GY					
						DK	GY	EQ	OXI	1I	--	0
						DK	GN					
118.71	120.28	1.57	AND	FG	Dark green, fine grained andesite with fine to medium grained epidote altered mafic minerals. Fine grained andesite dyke has chilled margins and is likely later than granodiorite.							
						DK	GN	MA	EPI	2I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
120.28	121.81	1.53	GRD	MG	Dark grey to medium grey to dark green equigranular hornblende-biotite granodiorite with the contact gradational over 20 cm from dark grey-green into more light to medium green fresh granodiorite. Minor oxide staining along fractures and trace calcite veinlets pervasive. Interval is moderately fractured and rubbly with moderate clay alteration (argillic) of feldspar phenocrysts locally within more fractured zones.							
						MD	GY	EQ	OXI	1I	--	0
						DK	GN		ARG	2I		
121.81	140.98	19.17	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with moderate oxide staining along fractures and within seams. Local zones up to 30 cm of strongly to moderately chlorite-bleached to clay alteration. 20 cm wide quartzite interval within.							
						MD	GN					
						LT	GY					
						DK	PU	FO	OXI	1I	--	0
						DK	GY		CHL	2I		
140.98	144.78	3.80	GRN	MG	Light grey, moderately propylitic altered hornblende-biotite granite sill with weak oxide along fractures. Trace disseminated pyrite.							
						LT	GY	EQ	PRO	3I	Py	0.1
144.78	145.47	0.69	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Moderate oxide staining along fractures and weak stain on core. A 15 cm patch of moderately sericite altered hornfels-biotite schist. 15 cm interval of banded dark green-light pink pyroxene>garnet skarn with blebby chalcopyrite found as blebs mostly within pyroxene (Chalcopyrite 2%).							
						MD	GN					
						DK	GY	FO	CHL	3I	--	0
						DK	PU		SER	2I		
145.47	149.08	3.61	SKN	FG	Well banded pyroxene=garnet+/-actinolite skarn with weak epidote alteration of pyroxene minerals. Minor calcite veins up to 1 cm with hematite selvages up to 1 cm. Trace blebby chalcopyrite.							
						MD	GN		OXI	1I		
						LT	PK					
						DK	GN	BN	EPI	1I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.08	154.24	5.16	HBS	FG	Dark grey-purple to light grey to medium orange, weakly foliated hornfels-biotite schist. A 1 metre interval near the top contact consists of a rubbly to gougy fault zone containing moderate quartz-carbonate veining (stockwork). Remainder of interval is weakly oxidized with clay fractures and seams.							
						MD	OR					
						LT	GY					
						DK	GY	FO	OXI	2I	--	0
						DK	PU		CLY	1I		
154.24	154.52	0.28	SKN	FG	garnet>pyroxene skarn hosting blebby chalcopyrite and molybdenite disseminated. Trace calcite veins hosting blebby chalcopyrite and molybdenite locally.							
						LT	PK	Mo			mo	0.01
						DK	GN	MA	---	--	Cp	0.01
154.52	159.81	5.29	SKN	FG	light green to pocky/weathered/clay altered skarn with abundant strongly oxidized quartz veins hosting 5% malachite, while malachite blebs found disseminated throughout interval.							
						MD	OR				Cp	0.01
						DK	GN	MA			mo	0.01
						DK	PK	BX	OXI	3I	Ml	0.01
159.81	180.05	20.24	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Oxidation found along most fractures and vein seams with local zones with oxide staining on surface of core. Weak to moderately clay altered along fractures (< 1 cm). Intervals up to 2 m of chlorite veinlets at 20 per metre with bleached selvages 0.5 cm wide.							
						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.
180.05	182.74	2.69	SKN	FG	Massive pyroxene-actinolite skarn with minor chlorite-alteration locally, which is associated with strong blebby chalcopyrite and pyrite. Last 1.5 metres of interval are medium green to white/light grey foliated/banded pyroxene skarn with patchy weak epidote alteration. Trace disseminated chalcopyrite within pyroxene-rich areas of bands. A 30 cm interval of strong rubbly/fractured core with weak oxide and moderate malachite stain within banded pyroxene-skarn.							
						MD	GN	MA	---	0I	Cp	1
						LT	GY				Ml	0.1
						DK	GN	BN	---	0I	Py	1
182.74	187.98	5.24	SKN	FG	Banded to mottled dark green-light pink pyroxene=garnet skarn with moderate to strong chlorite alteration. Semi-massive bands of magnetite-pyrrhotite-pyroxene skarn found locally (minor) and magnetite-pyrrhotite found disseminated to blebby locally (moderate). Chalcopyrite is found as patches up to 1 x 2 cm and within massive veinlets and veins up to 1 cm (trace). Trace molybdenite is found near chalcopyrite locally.							
						LT	PK	Mo			mo	0.1
						DK	GN	BN	CHL	3I	Cp	1
187.98	191.03	3.05	SKN	FG	Massive to banded, dark green pyroxene-actinolite skarn with disseminated magnetite and pyrrhotite found locally (moderate). Chalcopyrite is found disseminated within bands of pyroxene-actinolite-magnetite skarn and along the edges of quartz veins. Minor magnetite stringers pervasive. Trace hematite found locally. Trace molybdenite blebs found locally.							
						DK	GN	MA	---	0I	Cp	1
								BN			mo	0.1
191.03	191.68	0.65	QTE	MG	Light grey to white quartzite with impurities of weakly chlorite altered biotite pervasively (10% of interval). Minor oxide staining along fractures.							
						LT	GY	MA	OXI	1I	--	0
						--	WH		CHL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
191.68	195.84	4.16	HBS	FG	Dark grey-green to light grey, well foliated hornfels-biotite schist. Intermittent zones of moderately sericite-chlorite alteration within intervals up to 30 cm. Weak chlorite veinlets with bleached selvages up to 0.5 cm.							
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	GN					
195.84	197.69	1.85	QTE	MG	Light grey to white quartzite with impurities of weakly chlorite altered biotite pervasively (10% of interval). Minor oxide staining along fractures.							
						LT	GY	MA	CHL	1I	--	0
						--	WH		OXI	1I		
197.69	200.65	2.96	HBS	FG	Dark grey-green-purple to light grey, well foliated hornfels-biotite schist. Local fractures variably oxidized. Up to 15 cm intervals of weakly oxidized quartzite. Light grey quartz bands up to 10 cm found locally along foliation. Minor chlorite veinlets with bleached selvages up to 0.5 cm wide.							
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	PU		OXI	1I		
						DK	GN					
200.65	201.08	0.43	SKN	FG	Massive to banded pyroxene>>garnet-actinolite-chlorite-pyrrhotite skarn hosting blebby and disseminated chalcopyrite. Weak epidote alteration found locally. Pyrrhotite found as patches/disseminations pervasively.							
						LT	PK	MA	EPI	1I	Py	0.1
						DK	GN	BN	CHL	3I	Cp	1
201.08	208.74	7.66	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite schist. Trace quartzite and actinolite skarn up to 1- cm found locally. A 1 m zone of strongly oxidized, fracture and weakly gougy and weakly quartz-carbonate altered fault zone within interval. Light grey quartz bands up to 5 cm found along foliation sporadically.							
						LT	GY					
						DK	GY	FO	OXI	3I	--	0
						DK	GN		CHL	2I		
						DK	PU		SIL	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
208.74	209.15	0.41	QTE	MG	Light grey to white quartzite with irregular impurities of biotite laths making up 10% of interval and are found sporadically. Minor chlorite veinlets found locally. Minor oxide stain on core and as patches on cores surface.							
						MD	GY					
						LT	GY	MA	---	--	--	0
209.15	244.22	35.07	HBS	FG	Dark grey-green-purple, well foliated hornfels-biotite schist. Weak to moderate oxide staining on fractures and as patches locally on cores surface. Light grey quartz bands up to 10 cm along foliation. A 50 cm zone of strong clay alteration and sandy-like core with weak oxide (fault likely). Trace bands of pyroxene-actinolite to pyroxene>garnet-actinolite skarn hosting trace fine grained chalcopyrite up to 5 cm. Minor calcite veins up to 1 cm hosting blebby chalcopyrite (fine to medium grained). Minor seams of oxide. A 2 cm wide calcite vein flanked by a 1 cm wide smoky quartz-breccia with dark grey selvages hosting trace medium grained blebby molybdenite+/-pyrite. Selvages of the vein form a strong sericite altered envelope over 10 to 20 cm within the schist.							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	PU					
						DK	GN					
244.22	245.45	1.23	FFP	CG	Light grey to light green, strongly argillic altered feldspar-porphyry dyke. Moderate smoky quartz veins 0.5 cm wide found at 2 per metre with dark grey quartz centres and light grey selvages 0.5 cm wide.							
						MD	OR					
						LT	GY	PO	ARG	5I	--	0
245.45	251.96	6.51	FAP	CG	Medium orange, medium green, strongly oxidized and quartz-carbonate veined, variably strongly chlorite-sericite altered feldspar andesite porphyry dyke. Oxidized zones are strongly quartz-carbonate veined and silicified to a light grey. Other areas are more argillic altered with feldspar going to clay. Last 1.5 to 2 m is strongly chlorite and sericite altered with minor strong chlorite alteration of hornfels-biotite xenoliths.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	PO	OXI	3I	--	0
						MD	OR		ARG	2I		
251.96	255.47	3.51	FFP	CG	Light grey to light green, strongly argillic altered feldspar-porphyry dyke. Moderate smoky quartz veins 0.5 cm wide found at 2 per metre with dark grey quartz centres and light grey selvages 0.5 cm wide. Last 1 metre of interval is strongly fractured.							
						LT	GN	PO	ARG	5I		
255.47	270.35	14.88	HBS	FG	Dark grey-purple to light grey, locally strongly silica and chlorite altered zones of hornfels-biotite schist. Zones up to 30 cm of strongly fractured schist+/- weak to moderate clay alteration. 50 cm zone of dark to medium green breccia comprising fine grained medium green, weakly clay altered matrix hosting angular ankerite and quartz clasts up to 0.5 cm. Local garnets found up to 1 cm in diameter along foliation.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU		CHL	3I		
						DK	GN					
270.35	270.93	0.58	SKN	FG	Massive 20 cm garnet skarn for first part of interval and grades into pyroxene-actinolite skarn with minor patchy light pink garnet. Disseminated fine grained chalcopyrite is restricted to pyroxene-actinolite-chlorite skarn (1%). Minor chlorite-hematite veinlets+/-chalcopyrite pervasive. Last 10 cm hosts a pyroxene-magnetite skarn with abundant calcite veinlets/veins with blebby chalcopyrite.							
						LT	PK	MA	---	0I	Cp	0.5
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
270.93	284.27	13.34	HBS	FG	Variably strongly silica altered, moderate to strong chlorite altered to fresh, well foliated hornfels-biotite schist. Strongly silicified hornfels-biotite schist is light grey with minor sericite foliated bands pervasively. Chlorite altered hornfels-biotite schist is dark green and occupies the last 5 m of the interval, which hosts a strong breccia zone comprising matrix supported calcite with angular clasts of strong chlorite altered and silicified hornfels-biotite schist clasts ranging from 3 x 3 cm to 1 x 1 cm hosting blebby medium grained pyrite (281.13-282.87 m). Between 283.50-283.80 m, a matrix supported breccia comprising light grey quartz matrix with light grey angular quartz clasts up to 1 x 0.5 cm. Minor strongly silicified and chlorite altered angular clast up to 1 cm found sporadically within breccia. Minor hydrothermal ankerite to dolomite found as rims (trace) and veins near bottom of interval.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU		CHL	3I		
						DK	GN					
284.27	301.59	17.32	GRD	MG	Medium grey, equigranular granodiorite with entire interval weakly k-spar altered (light pink tinge). Minor quartz veins+/-blebby fine to medium grained chalcopyrite. Fine to medium grained chalcopyrite with up to 0.5 cm k=spar selvages. Trace argillic altered bands found locally. 1 quartz vein 1 cm wide hosts blebby fine grained molybdenite along edge of vein. Trace light grey quartz veins hosting blebby chalcopyrite up to 10% with sericite-argillic altered envelopes (20 cm).							
						MD	GY	EQ	POT	1I	--	0
									PRO	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
301.59	303.97	2.38	SKN	MG	pyroxene-actinolite-chlorite-magnetite skarn - medium grained, dark to medium green to black skarn. Massive, with abundant bands of semi-massive magnetite+/-pyrrhotite found sporadically and up to 30 cm wide. Chalcopyrite is fine to medium grained and disseminated throughout the pyroxene-actinolite-chlorite skarn and banded magnetite skarn hosts sporadic chalcopyrite as blebs. Magnetite is weakly hematite altered locally. Moderate calcite+/-hematite veinlets host blebby chalcopyrite. Tremolite is found locally and generally within more magnetite-rich areas. Chlorite is found locally within both pyroxene-actinolite skarn and semi-massive magnetite. Trace serpentine found locally within magnetite skarn.							
						MD	GN	BN	HEM	1I	Mg	5
						DK	GN	MA	CHL	2I	Cp	0.5
						--	BL					
303.97	308.89	4.92	HBS	FG	Dark grey-purple to light grey to dark green, well foliated hornfels-biotite schist. Interval is variably strongly silicified (light grey) and moderately chlorite altered (dark green). Minor calcite-ankerite veins/veinlets up to 1 cm with or without pyrite and dark grey seams along selvages (1 mm wide). Quartz+/-medium grained chlorite found along foliation and up to 3 cm.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU		CHL	2I		
308.89	309.37	0.48	GRN	MG	Hornblende-biotite granite - light grey to light pink, medium grained, equigranular granite with minor xenoliths of hornfels-biotite schist. -Sill?!							
						LT	GY	EQ	---	0I	--	0
309.37	311.52	2.15	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Intermittent weakly silicified zones more light grey to unaltered hornfels-biotite schist. Minor chlorite seams with 0.5 mm bleached selvages.							
						LT	GY					
						DK	GY	FO	SIL	1I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
311.52	326.20	14.68	GRD	MG	Medium grey to dark grey, equigranular to porphyritic hornblende-biotite granodiorite. Local areas with phenocrysts of feldspars up to 1.5 cm. Interval varies from more porphyritic to equigranular generally with more porphyritic granodiorite near the contacts for 1 - 2 metres. Minor k-spar and epidote alteration found locally with k-spar altered feldspars and epidote alteration along fractures and within chlorite seams. Trace blebby chalcopyrite found locally. Pyrite found as medium grained blebs occasionally along fractures.							
						MD	GY	EQ	---	--	--	0
						DK	GY					
326.20	327.05	0.85	GRN	MG	Light grey, fine to medium grained, strongly propylitic altered granite with fine grained disseminated pyrite. Minor k-spar alteration locally with minor k-spar veins.							
						LT	GY	EQ	PRO	4I	--	0
327.05	327.95	0.90	GRD	MG	Dark grey-green, coarse grained hornblende-biotite granodiorite with feldspar phenocrysts up to 1 cm.							
						DK	GN	PO				
						DK	GY	EQ	POT	2I	--	0
327.95	328.24	0.29	GRN	MG	Light grey, fine to medium grained, strongly propylitic altered granite with fine grained disseminated pyrite. Minor k-spar alteration locally with minor k-spar veins. Last 5 cm is moderate k-spar altered at chilled margin. A chlorite seam hosting a 0.5 x 0.5 cm moly bleb.							
						LT	GY	EQ	PRO	2I	mo	0.1
						LT	PK					
328.24	341.18	12.94	HBS	FG	Dark grey-purple-green to light grey, well foliated hornfels-biotite schist. A 20 cm actinolite-biotite-tremolite skarn with wavy to banded textures hosting blebby pyrite (2%) and trace fine grained chalcopyrite. Variably silicified (light grey) intermittently. Intervals of strongly sericite altered hornfels-biotite schist altered by dark grey to smoky quartz with blebby pyrite+/-ankerite selvages. A 20 cm interval of strong chlorite and argillic altered granodiorite? Dyke. A quartz-molybdenite seam with 5% moly with a 5 cm phyllic altered envelope.							
						LT	GY		SER	2I		
						DK	GY	FO	SIL	2I	Py	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
						DK	PU		CHL	2I	Cp	0.01
341.18	349.17	7.99	GRD	MG	Fine to medium grained, equigranular biotite-hornblende granodiorite with minor light to medium grey quartz veins up to 1 cm hosting blebby chalcopyrite with weak to moderate k-spar altered+/-phyllic altered envelopes up to 5 cm. Trace k-spar veins up to 5 cm found locally. Chlorite-pyrite veinlets pervasive at 3 per metre. Trace hematite alteration along fractures found locally. 1 k-spar phenocryst up to 2 cm.							
						MD	GY	EQ	PRO	3I	--	0
						LT	GY					
349.17	350.22	1.05	HBS	FG	Dark grey-purple to light grey hornfels-biotite schist with moderate pyrite along foliation. Minor chlorite veinlets at 2 per metre.							
						LT	GY					
						DK	GY	FO	---	--	Py	0.01
						DK	PU					
350.22	353.46	3.24	GRD	MG	Medium grey to dark green, medium grained, equigranular granodiorite with top contact up to 50 cm more dark grey-green (chilled margin).							
						MD	GY	EQ	---	0I	--	0
						DK	GY		---	0I		
353.46	355.28	1.82	GRN	MG	Light grey to light pink, equigranular granite. Pervasive chlorite veinlets at 7 per metre with minor argillic and pot altered selvages up to 1 cm. Minor k-spar veining pervasive at 5 per metre and up to 1 cm.							
						LT	GY	EQ	ARG	1I	--	0
						LT	PK		POT	1I		
355.28	357.22	1.94	HBS	FG	Dark grey to green to light grey hornfels-biotite schist with pervasive chlorite veinlets at 45 degrees to core axis at 5 per metre with bleached selvages up to 3 cm.							
						LT	GY					
						DK	GY	FO	CHL	2I	--	0
						DK	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
357.22	361.71	4.49	GRN	MG	Interfingered granite and hornfels-biotite schist and magnetite-actinolite skarn. Granite is locally endoskarn, defined by green actinolite and strong blebby to patchy magnetite. Trace argillic alteration of feldspar phenocrysts locally. Magnetite veins also abundant throughout more endoskarn areas of granite. Interval comprises 30% Hornfels-biotite schist, 15% skarn and 55% granite. Skarn hosts trace blebby molybdenite, while molybdenite also found as blebs within magnetite veins up to 0.5 x 0.5 cm.							
						LT	GY	EQ	PRO	4I	mo	0.1
						LT	PK					
361.71	365.19	3.48	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn.							
						MD	GN	FO			Cp	0.01
						DK	GN	BN	CHL	2I	mo	0.5
						--	BL					
365.19	365.87	0.68	GRD	MG	Medium grey to dark grey, weakly argillic altered hornblende-biotite granodiorite. Margins are more dark grey (chilled). Minor epidote alteration near the top contact within quartz veins.							
						MD	GY	EQ	ARG	1I	--	0
						DK	GY	PO				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
365.87	367.80	1.93	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn. Local patches of ankerite over 15 cm and interval is dominantly pyroxene-garnet skarn. Quartz veins up to 2 cm hosting blebby molybdenite mostly along edge of vein.							
						MD	GN	BN	EPI	1I	mo	0.5
						LT	PK					
						DK	GN	FO	ANK	2I	Cp	0.1
367.80	370.55	2.75	HBS	FG	Dark grey to dark purple to light grey to light green to tan, well foliated hornfels-biotite schist. 75% of interval is strongly silicified and moderately to strongly sericite altered with light green to tan foliation within. A 10 cm interval of pyroxene-actinolite-chlorite skarn found within schist. Trace blebby pyrite within chlorite veins in the skarn.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	PU		SER	3I		
370.55	376.65	6.10	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn. Interval comprises intermittent foliated and banded pyroxene-magnetite-chlorite-mg skarn (40%), Garnet=pyroxene skarn (60%). Chlorite-epidote veinlets at 1 per metre.							
						MD	GN	FO			Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	Mo				
						DK	GN	BN	EPI	1I	mo	0.5
						--	BL					
376.65	387.28	10.63	HBS	FG	Dominantly dark grey-purple-light grey, well foliated hornfels-biotite schist. Quartz bands up to 4 cm found along foliation. Blebby medium to coarse grained pyrite found occasionally along fractures. Last 1.5 metre of interval is strongly sericite altered and hosts minor quartz+/-ankerite veins hosting blebby molybdenite (1%)							
						LT	GN					
						DK	GY	FO	SER	3I	--	0
						DK	PU					
387.28	391.03	3.75	GRD	MG	Strongly fractured moderately to strongly clay altered and strongly phyllic altered granodiorite - likely represents a fault zone. 1 m of interval is medium grey fresh looking, but highly fractured and rubbly.							
						MD	GY	EQ	CLY	4I	--	0
									PHC	3I		
391.03	402.33	11.30	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. First metre of interval is strongly fractured, weakly clay altered and strongly sericite altered (light green to tan). Strongly silica alteration intermittently and represents about 50% of the interval and is defined by mostly light grey with minor dark grey foliation. Moderate calcite veins within strongly sericite altered hornfels-biotite schist and dark grey siliceous seams up to 1 cm +/- light grey quartz veins in the vicinity (local and minor).							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU		SER	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	0.13	0.13	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with weak oxide staining on fractures. Rubbly interval at top of hole.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	GY					
0.13	5.03	4.90	FAP	CG	Dark green-grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm, but usually 0.5 mm long. Moderate oxide staining along fractures. 1 quartz vein, moderately oxidized with trace blebby pyrite.							
						DK	GN	PO	---	--	--	0
						DK	GY					
5.03	30.35	25.32	HBS	FG	Dark grey to purple to green to light grey, well foliated hornfels-biotite schist. Moderate intervals (10.21 - 11.84 and 20.42-22.46) of moderately to strongly oxidized, variably rubbly/fractured hornfels-biotite schist with minor quartz-carbonate veining/alteration. A 20 cm interval of hornfels-biotite schist with dark purple circular garnets up to 1.5 cm in diameter found sporadically and represents about 20% of interval. Last 1 to 1.5 meters of interval is moderately sericite altered with light green to tan in colour and well foliated with minor army green clay alteration on occasional fractures (0.5 cm wide).							
						DK	GN					
						MD	OR					
						DK	PU		SER	1I		
						DK	GY	FO	OXI	2I	--	0
30.35	32.92	2.57	SKN	FG	Moderately chlorite altered, massive skarn with abundant black pock arks and massive magnetite skarn with weak serpentine and trace chalcopyrite.							
						--	BL				Mg	30
						MD	GN	MA	CHL	3I	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
32.92	37.50	4.58	LST	MG	Re-crystallized limestone - light grey to white, well banded. Weak magnetite veining found locally and up to 1 cm wide veins, which are weakly hematite altered sporadically. Serpentine bands/veins are found pervasively and are also associated with magnetite and represent about 20 percent of the interval. Serpentine is light green and vitreous. Minor hematite patches found locally.							
						LT	GY	BN	---	0I	--	0
						--	WH					
37.50	41.02	3.52	SKN	FG	Semi-massive magnetite-pyrrhotite skarn with magnetite and pyrrhotite found as patches and bands throughout interval. Magnetite is weakly and locally altered to hematite. Minor serpentine found as patches. A 20 cm wide zone of weak to moderate oxide staining. Magnetite-pyrrhotite skarn with up to 2 percent azurite crystals within vuggy/weathered -like surface of core. Last 1 m of interval between medium green chlorite skarn and banded oxide, magnetite, pyroxene with trace. Disseminated chalcopyrite. Chalcopyrite is found locally as strongly disseminated. Chalcopyrite is found locally as strongly disseminated within magnetite and pyrrhotite skarn over a 40 centimeter interval and other areas as fine grained disseminated (trace). Chalcopyrite also found within magnetite-pyrite veinlets.							
						--	BL	MA	HEM	1I	Mg	30
											Py	1
											Cp	1
						MD	GN	BN			Po	15
41.02	51.28	10.26	HBS	FG	Dark grey-purple-green to light grey, well foliated hornfels-biotite schist. Intermittent zones of moderate chlorite-sericite altered hornfels-biotite schist and calc-silicate to skarny looking horizons of well foliated pyroxene>garnet skarn, but no visible mineralization and represents about 5% of interval and found sporadically. No samples collected due to the lack of mineralization, thin horizons and large spacings between them. Moderate oxidation along fractures.							
						DK	GY	FO	CHL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		SER	1I		
						DK	GN					
51.28	52.01	0.73	SKN	MG	Medium to coarse grained light pink to medium green actinolite-pyroxene+/-tremolite skarn with moderate laths of biotite found sporadically. Minor blebs of pyrrhotite up to 2 x 1 cm +/- quartz.							
						MD	GN		---	0I		
						DK	GN	MA	---	0I	--	0
52.01	52.39	0.38	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Minor dark green with weak chlorite banding pervasive+/-disseminated pyrite along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	GY					
52.39	52.67	0.28	FAP	CG	Dark green to grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm long and very weakly altered to clay locally. Contacts are both wavy, but look like sills.							
						DK	GY					
						DK	GN	PO	CLY	1I	--	0
52.67	55.65	2.98	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Minor dark green with weak chlorite banding pervasive+/-disseminated pyrite along foliation.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	GY					
55.65	57.04	1.39	FAP	CG	Dark green to grey feldspar andesite porphyry dyke with feldspar phenocrysts up to 1 cm long and very weakly altered to clay locally. An approximately 30 cm interval of strongly rubbly, oxidized and clay altered fault zone and remainder of intrusive is strongly fractured.							
						DK	GN	PO	OXI	2I	--	0
						DK	GY					
						MD	OR					
57.04	60.30	3.26	HBS	FG	Light grey to light orange to medium orange to dark grey, well foliated, strongly silicified and moderately oxidized hornfels-biotite schist. Material is dominantly well fractured.							
						LT	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	FO	SIL	4I	--	0
						MD	OR		OXI	2I		
60.30	62.03	1.73	AND	FG	Dark green, fine grained massive andesite with the top contact moderately oxide stained along core and fractures hosting strong oxide. Minor fizz - calcite altered??. Hematite and epidote alteration of fine grained mafic minerals.							
						DK	GN	MA	OXI	3I	--	0
						MD	OR		OXI	2I		
62.03	63.08	1.05	HBS	FG	Light grey to light orange to medium orange to dark grey, well foliated, strongly silicified and moderately oxidized hornfels-biotite schist. Material is dominantly well fractured.							
						LT	GY	FO	OXI	2I	--	0
						MD	OR		SIL	2I		
63.08	69.54	6.46	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally.							
						LT	GY	BN	---	0I	--	0
						--	WH					
						DK	GY		---	0I		
69.54	70.26	0.72	SKN	FG	Top 10 cm is a garnet-pyroxene mottled skarn with no visible mineralization. Remainder of interval is mottled garnet=pyroxene skarn with intermittent and green pyroxene-actinolite banded skarn. Interval is unmineralized.							
						MD	GN	Mo	---	0I	--	0
						LT	PK		---	0I		
70.26	74.93	4.67	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally. 5 cm zone of garnet>pyroxene skarn with zoned garnets up to 1 x 1 cm.							
						LT	GY	BN	---	0I	--	0
						DK	GY		---	0I		
						--	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
74.93	75.37	0.44	SKN	FG	Mottled, medium green to light pink pyroxene>garnet skarn. Local bands of blebby orange fine grained to medium grained pits along with minor serpentine blebs/fracture fillings. Trace medium grained blebby chalcopyrite found throughout interval within both pyroxene and garnet skarn.							
						LT	PK					
						MD	GN	MA	---	0I	Cp	0.1
75.37	77.28	1.91	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally. 5 cm zone of garnet>pyroxene skarn with zoned garnets up to 1 x 1 cm.							
						--	WH					
						DK	GY		---	0I		
						LT	GY	BN	---	0I	--	0
77.28	85.86	8.58	HBS	FG	Dark grey to light grey to dark green, well foliated, strongly chlorite altered hornfels-biotite schist. Minor seams with hematite with no preferred orientation and is bleaching hornfels-biotite schist along selvages for 0.5 cm. Interval from 78.15-79.98 m comprises medium grained chlorite-biotite-rich, weakly foliated schist? With bleached seams/patches.							
						DK	GY					
						DK	GN	FO	CHL	2I	--	0
85.86	89.13	3.27	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Minor interbedded re-crystallized limestone up to 5 cm found locally.							
						LT	GY	BN	---	--	--	0
						--	WH					
						DK	GY					
89.13	89.73	0.60	SKN	FG	Mottled to banded pyroxene>garnet-actinolite skarn with trace blebby chalcopyrite. Minor calcite-hematite veinlets found locally.							
						MD	GN					
						LT	PK					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
89.73	94.01	4.28	MBL	MG	Well banded, alternating light grey-white to medium grey bands of marble. Marble weakly calc-silicate altered to very light green sporadically. Minor intervals up to 10 cm of pyroxene>garnet-actinolite skarn with blebby chalcopyrite up to 1%, but represents about 2-5% of interval. A 5 cm wide zone of strongly oxidized fractures within a skarn interval with minor hematite alteration adjacent to fracture.							
						DK	GY					
						LT	GY	BN	---	0I	--	0
						--	WH					
94.01	94.53	0.52	SKN	FG	Pyroxene>garnet-actinolite skarn with banded to mottled textures hosting blebby medium grained pyrite within last 5 cm of interval.							
						MD	GN	Mo	---	--	Cp	0.1
						LT	PK	BN				
94.53	99.10	4.57	HBS	FG	Well foliated, dark grey-purple to light grey fine grained hornfels-biotite schist. Moderate oxide staining found along core locally up to 20 cm intervals. Trace chlorite altered hornfels-biotite schist.							
						DK	GY	FO	OXI	1I	--	0
						LT	GY					
						DK	PU		SIL	2I		
99.10	101.07	1.97	SKN	FG	Strongly fractured, oxidized and gougy zone within tan to dark grey/black skarn (too altered to determine skarn mineralogy) for first 1 metre of interval, but about 60 cm likely lost during drilling. Last 30 centimetres is a light green to medium green skarn with calcite+/-hematite veinlets with dendritic manganese disseminated. Oxidized zone hosts about 1% malachite. Bottom contact grades into dyke with white/bleached zone for about 1 centimetre.							
						LT	GN					
						DK	GY					
						DK	OR	MA	OXI	4I	MI	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
101.07	115.14	14.07	GRD	MG	Light grey to medium grey, equigranular granodiorite with minor sporadic feldspar phenocrysts up to 2 cm long. Minor chlorite-pyrite+/-chalcopyrite veinlets at 2 per metre are found pervasively and usually have bleached selvages up to 0.5 centimetres. Blebby pyrite pervasive replacing mafic minerals. Trace malachite found occasionally along fractures (30 degree to core axis). Minor oxide found along fractures locally.							
						MD	GY					
						LT	GY	EQ	OXI	1I	--	0
115.14	117.98	2.84	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist with weak oxide staining on fractures and locally along core. Local zones of strong chlorite? Alteration of biotite within foliation. Dark purple (hematite?) seams cut near perpendicular to foliation and weakly bleaches hornfels-biotite schist.							
						DK	GY	FO	OXI	1I	--	0
						LT	GY					
						DK	PU					
117.98	118.71	0.73	GRD	MG	Dark grey to medium grey to dark green equigranular hornblende-biotite granodiorite with the contact gradational over 20 cm from dark grey-green into more light to medium green fresh granodiorite. Minor oxide staining along fractures and trace calcite veinlets pervasive.							
						DK	GN					
						MD	GY					
						DK	GY	EQ	OXI	1I	--	0
118.71	120.28	1.57	AND	FG	Dark green, fine grained andesite with fine to medium grained epidote altered mafic minerals. Fine grained andesite dyke has chilled margins and is likely later than granodiorite.							
						DK	GY					
						DK	GN	MA	EPI	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
120.28	121.81	1.53	GRD	MG	Dark grey to medium grey to dark green equigranular hornblende-biotite granodiorite with the contact gradational over 20 cm from dark grey-green into more light to medium green fresh granodiorite. Minor oxide staining along fractures and trace calcite veinlets pervasive. Interval is moderately fractured and rubbly with moderate clay alteration (argillic) of feldspar phenocrysts locally within more fractured zones.							
						MD	GY	EQ	OXI	1I	--	0
						DK	GN		ARG	2I		
121.81	140.98	19.17	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with moderate oxide staining along fractures and within seams. Local zones up to 30 cm of strongly to moderately chlorite-bleached to clay alteration. 20 cm wide quartzite interval within.							
						MD	GN					
						DK	PU	FO	OXI	1I	--	0
						DK	GY		CHL	2I		
						LT	GY					
140.98	144.78	3.80	GRN	MG	Light grey, moderately propylitic altered hornblende-biotite granite sill with weak oxide along fractures. Trace disseminated pyrite.							
						LT	GY	EQ	PRO	3I	Py	0.1
144.78	145.47	0.69	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Moderate oxide staining along fractures and weak stain on core. A 15 cm patch of moderately sericite altered hornfels-biotite schist. 15 cm interval of banded dark green-light pink pyroxene>garnet skarn with blebby chalcopyrite found as blebs mostly within pyroxene (Chalcopyrite 2%).							
						DK	GY	FO	CHL	3I	--	0
						DK	PU		SER	2I		
						MD	GN					
145.47	149.08	3.61	SKN	FG	Well banded pyroxene=garnet+/-actinolite skarn with weak epidote alteration of pyroxene minerals. Minor calcite veins up to 1 cm with hematite selvages up to 1 cm. Trace blebby chalcopyrite.							
						LT	PK					
						DK	GN	BN	EPI	1I	Cp	0.01
						MD	GN		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.08	154.24	5.16	HBS	FG	Dark grey-purple to light grey to medium orange, weakly foliated hornfels-biotite schist. A 1 metre interval near the top contact consists of a rubbly to gougy fault zone containing moderate quartz-carbonate veining (stockwork). Remainder of interval is weakly oxidized with clay fractures and seams.							
						DK	PU		CLY	1I		
						LT	GY					
						MD	OR					
						DK	GY	FO	OXI	2I	--	0
154.24	159.81	5.57	SKN	FG	Strongly oxidized, brecciated and veined zone with abundant quartz-carbonate and ankerite. Relict banded pyroxene>garnet with minor well foliated hornfels-biotite schist found intermittently. Brecciation is matrix supported and consists of light to medium grey fine grained siliceous matrix with angular white and dark grey clasts ranging from < 1mm to 1.5 cm. Quartz-carbonate vein breccia hosts mosaic breccias of calcite matrix with angular strongly oxidized clasts ranging form 1 to 3 cm. Areas of bleached/siliceous matrix with salt and pepper-looking textures hosting fine grained pyrite and chalcopyrite with oxidized seams pervasive. Ankerite flooded zones host blebby chalcopyrite and trace malachite staining. Epi to sub-epithermal veins?							
						DK	PK	BX	OXI	3I	Ml	0.01
						DK	GN	MA			mo	0.01
						MD	OR				Cp	0.01
159.81	180.05	20.24	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist. Oxidation found along most fractures and vein seams with local zones with oxide staining on surface of core. Weak to moderately clay altered along fractures (< 1 cm). Intervals up to 2 m of chlorite veinlets at 20 per metre with bleached selvages 0.5 cm wide.							
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
180.05	191.03	10.98	SKN	FG	Three skarns comprising: Massive pyroxene-actinolite skarn with minor chlorite alteration locally, banded to mottled dark green to light pink pyroxene=garnet skarn and massive to banded dark green pyroxene-actinolite skarn.							
						DK	GN	Mo	CHL	1I	Cp	1
						LT	PK	MA			mo	0.1
								BN			Ml	0.01
191.03	191.68	0.65	QTE	MG	Light grey to white quartzite with impurities of weakly chlorite altered biotite pervasively (10% of interval). Minor oxide staining along fractures.							
						LT	GY	MA	OXI	1I	--	0
						--	WH		CHL	1I		
191.68	195.84	4.16	HBS	FG	Dark grey-green to light grey, well foliated hornfels-biotite schist. Intermittent zones of moderately sericite-chlorite alteration within intervals up to 30 cm. Weak chlorite veinlets with bleached selvages up to 0.5 cm.							
						DK	GY	FO	CHL	3I	--	0
						DK	GN					
						LT	GY					
195.84	197.69	1.85	QTE	MG	Light grey to white quartzite with impurities of weakly chlorite altered biotite pervasively (10% of interval). Minor oxide staining along fractures.							
						LT	GY	MA	CHL	1I	--	0
						--	WH		OXI	1I		
197.69	200.65	2.96	HBS	FG	Dark grey-green-purple to light grey, well foliated hornfels-biotite schist. Local fractures variably oxidized. Up to 15 cm intervals of weakly oxidized quartzite. Light grey quartz bands up to 10 cm found locally along foliation. Minor chlorite veinlets with bleached selvages up to 0.5 cm wide.							
						DK	GN					
						LT	GY					
						DK	GY	FO	CHL	3I	--	0
						DK	PU		OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
200.65	201.08	0.43	SKN	FG	Massive to banded pyroxene>>garnet-actinolite-chlorite-pyrrhotite skarn hosting blebby and disseminated chalcopyrite. Weak epidote alteration found locally. Pyrrhotite found as patches/disseminations pervasively.							
						DK	GN	BN	CHL	3I	Cp	1
						LT	PK	MA	EPI	1I	Py	0.1
201.08	208.74	7.66	HBS	FG	Well foliated, dark grey-purple-green to light grey hornfels-biotite schist. Trace quartzite and actinolite skarn up to 1- cm found locally. A 1 m zone of strongly oxidized, fracture and weakly gougy and weakly quartz-carbonate altered fault zone within interval. Light grey quartz bands up to 5 cm found along foliation sporadically.							
						DK	GY	FO	OXI	3I	--	0
						DK	GN		CHL	2I		
						DK	PU		SIL	1I		
						LT	GY					
208.74	209.15	0.41	QTE	MG	Light grey to white quartzite with irregular impurities of biotite laths making up 10% of interval and are found sporadically. Minor chlorite veinlets found locally. Minor oxide stain on core and as patches on cores surface.							
						LT	GY	MA	---	--	--	0
						MD	GY					
209.15	244.22	35.07	HBS	FG	Dark grey-green-purple, well foliated hornfels-biotite schist. Weak to moderate oxide staining on fractures and as patches locally on cores surface. Light grey quartz bands up to 10 cm along foliation. A 50 cm zone of strong clay alteration and sandy-like core with weak oxide (fault likely). Trace bands of pyroxene-actinolite to pyroxene>garnet-actinolite skarn hosting trace fine grained chalcopyrite up to 5 cm. Minor calcite veins up to 1 cm hosting blebby chalcopyrite (fine to medium grained). Minor seams of oxide. A 2 cm wide calcite vein flanked by a 1 cm wide smoky quartz-breccia with dark grey selvages hosting trace medium grained blebby molybdenite+/-pyrite. Selvages of the vein form a strong sericite altered envelope over 10 to 20 cm within the schist.							
						DK	GN					
						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	CHL	2I	--	0
244.22	245.45	1.23	FFP	CG	Light grey to light green, strongly argillic altered feldspar-porphyry dyke. Moderate smoky quartz veins 0.5 cm wide found at 2 per metre with dark grey quartz centres and light grey selvages 0.5 cm wide.							
						LT	GY	PO	ARG	5I	--	0
						MD	OR					
245.45	251.96	6.51	FAP	CG	Medium orange, medium green, strongly oxidized and quartz-carbonate veined, variably strongly chlorite-sericite altered feldspar andesite porphyry dyke. Oxidized zones are strongly quartz-carbonate veined and silicified to a light grey. Other areas are more argillic altered with feldspar going to clay. Last 1.5 to 2 m is strongly chlorite and sericite altered with minor strong chlorite alteration of hornfels-biotite xenoliths.							
						MD	OR		ARG	2I		
						MD	GN	PO	OXI	3I	--	0
251.96	255.47	3.51	FFP	CG	Light grey to light green, strongly argillic altered feldspar-porphyry dyke. Moderate smoky quartz veins 0.5 cm wide found at 2 per metre with dark grey quartz centres and light grey selvages 0.5 cm wide. Last 1 metre of interval is strongly fractured.							
						LT	GN	PO	ARG	5I		
255.47	270.35	14.88	HBS	FG	Dark grey-purple to light grey, locally strongly silica and chlorite altered zones of hornfels-biotite schist. Zones up to 30 cm of strongly fractured schist+/- weak to moderate clay alteration. 50 cm zone of dark to medium green breccia comprising fine grained medium green, weakly clay altered matrix hosting angular ankerite and quartz clasts up to 0.5 cm. Local garnets found up to 1 cm in diameter along foliation.							
						DK	GN					
						DK	GY	FO	SIL	3I	--	0
						LT	GY					
						DK	PU		CHL	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
270.35	270.93	0.58	SKN	FG	Massive 20 cm garnet skarn for first part of interval and grades into pyroxene-actinolite skarn with minor patchy light pink garnet. Disseminated fine grained chalcopyrite is restricted to pyroxene-actinolite-chlorite skarn (1%). Minor chlorite-hematite veinlets+/- chalcopyrite pervasive. Last 10 cm hosts a pyroxene-magnetite skarn with abundant calcite veinlets/veins with blebby chalcopyrite.							
						LT	PK	MA	---	0I	Cp	0.5
						DK	GN					
270.93	284.27	13.34	HBS	FG	Variably strongly silica altered, moderate to strong chlorite altered to fresh, well foliated hornfels-biotite schist. Strongly silicified hornfels-biotite schist is light grey with minor sericite foliated bands pervasively. Chlorite altered hornfels-biotite schist is dark green and occupies the last 5 m of the interval, which hosts a strong breccia zone comprising matrix supported calcite with angular clasts of strong chlorite altered and silicified hornfels-biotite schist clasts ranging from 3 x 3 cm to 1 x 1 cm hosting blebby medium grained pyrite (281.13-282.87 m). Between 283.50-283.80 m, a matrix supported breccia comprising light grey quartz matrix with light grey angular quartz clasts up to 1 x 0.5 cm. Minor strongly silicified and chlorite altered angular clast up to 1 cm found sporadically within breccia. Minor hydrothermal ankerite to dolomite found as rims (trace) and veins near bottom of interval.							
						DK	GY	FO	SIL	3I	--	0
						DK	PU		CHL	3I		
						DK	GN					
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
284.27	301.59	17.32	GRD	MG	Medium grey, equigranular granodiorite with entire interval weakly k-spar altered (light pink tinge). Minor quartz veins+/-blebby fine to medium grained chalcopyrite. Fine to medium grained chalcopyrite with up to 0.5 cm k=spar selvages. Trace argillic altered bands found locally. 1 quartz vein 1 cm wide hosts blebby fine grained molybdenite along edge of vein. Trace light grey quartz veins hosting blebby chalcopyrite up to 10% with sericite-argillic altered envelopes (20 cm). Dark grey siliceous bands with ankerite-dolomite selvages/breccia (ankerite later). Selvages are sericite-chlorite altered within veined area.				PRO	3I		
						MD	GY	EQ	POT	1I	--	0
301.59	303.97	2.38	SKN	MG	pyroxene-actinolite-chlorite-magnetite skarn - medium grained, dark to medium green to black skarn. Massive, with abundant bands of semi-massive magnetite+/-pyrrhotite found sporadically and up to 30 cm wide. Chalcopyrite is fine to medium grained and disseminated throughout the pyroxene-actinolite-chlorite skarn and banded magnetite skarn hosts sporadic chalcopyrite as blebs. Magnetite is weakly hematite altered locally. Moderate calcite+/-hematite veinlets host blebby chalcopyrite. Tremolite is found locally and generally within more magnetite-rich areas. Chlorite is found locally within both pyroxene-actinolite skarn and semi-massive magnetite. Trace serpentine found locally within magnetite skarn.							
						MD	GN	BN	HEM	1I	Mg	5
						--	BL					
						DK	GN	MA	CHL	2I	Cp	0.5
303.97	308.89	4.92	HBS	FG	Dark grey-purple to light grey to dark green, well foliated hornfels-biotite schist. Interval is variably strongly silicified (light grey) and moderately chlorite altered (dark green). Minor calcite-ankerite veins/veinlets up to 1 cm with or without pyrite and dark grey seams along selvages (1 mm wide). Quartz+/-medium grained chlorite found along foliation and up to 3 cm.							
						DK	GY	FO	SIL	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	PU		CHL	2I		
						LT	GY					
308.89	309.37	0.48	GRN	MG	Hornblende-biotite granite - light grey to light pink, medium grained, equigranular granite with minor xenoliths of hornfels-biotite schist. -Sill?!							
						LT	GY	EQ	---	0I	--	0
309.37	311.52	2.15	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Intermittent weakly silicified zones more light grey to unaltered hornfels-biotite schist. Minor chlorite seams with 0.5 mm bleached selvages.							
						LT	GY					
						DK	PU					
						DK	GY	FO	SIL	1I	--	0
311.52	326.20	14.68	GRD	MG	Medium grey to dark grey, equigranular to porphyritic hornblende-biotite granodiorite. Local areas with phenocrysts of feldspars up to 1.5 cm. Interval varies from more porphyritic to equigranular generally with more porphyritic granodiorite near the contacts for 1 - 2 metres. Minor k-spar and epidote alteration found locally with k-spar altered feldspars and epidote alteration along fractures and within chlorite seams. Trace blebby chalcopyrite found locally. Pyrite found as medium grained blebs occasionally along fractures.							
						MD	GY	EQ	---	--	--	0
						DK	GY					
326.20	327.05	0.85	GRN	MG	Light grey, fine to medium grained, strongly propylitic altered granite with fine grained disseminated pyrite. Minor k-spar alteration locally with minor k-spar veins.							
						LT	GY	EQ	PRO	4I	--	0
327.05	327.95	0.90	GRD	MG	Dark grey-green, coarse grained hornblende-biotite granodiorite with feldspar phenocrysts up to 1 cm.							
						DK	GY	EQ	POT	2I	--	0
						DK	GN	PO				
327.95	328.24	0.29	GRN	MG	Light grey, fine to medium grained, strongly propylitic altered granite with fine grained disseminated pyrite. Minor k-spar alteration locally with minor k-spar veins. Last 5 cm is moderate k-spar altered at chilled margin. A chlorite seam hosting a 0.5 x 0.5 cm moly bleb.							
						LT	GY	EQ	PRO	2I	mo	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK					
328.24	341.18	12.94	HBS	FG	Dark grey-purple-green to light grey, well foliated hornfels-biotite schist. A 20 cm actinolite-biotite-tremolite skarn with wavy to banded textures hosting blebby pyrite (2%) and trace fine grained chalcopyrite. Variably silicified (light grey) intermittently. Intervals of strongly sericite altered hornfels-biotite schist altered by dark grey to smoky quartz with blebby pyrite+/-ankerite selvages. A 20 cm interval of strong chlorite and argillic altered granodiorite? Dyke. A quartz-molybdenite seam with 5% moly with a 5 cm phyllic altered envelope.							
						DK	PU		CHL	2I	Cp	0.01
						LT	GY		SER	2I		
						DK	GY	FO	SIL	2I	Py	1
						DK	GN					
341.18	349.17	7.99	GRD	MG	Fine to medium grained, equigranular biotite-hornblende granodiorite with minor light to medium grey quartz veins up to 1 cm hosting blebby chalcopyrite with weak to moderate k-spar altered+/-phyllic altered envelopes up to 5 cm. Trace k-spar veins up to 5 cm found locally. Chlorite-pyrite veinlets pervasive at 3 per metre. Trace hematite alteration along fractures found locally. 1 k-spar phenocryst up to 2 cm.							
						MD	GY	EQ	PRO	3I	--	0
						LT	GY					
349.17	350.22	1.05	HBS	FG	Dark grey-purple to light grey hornfels-biotite schist with moderate pyrite along foliation. Minor chlorite veinlets at 2 per metre.							
						DK	PU					
						DK	GY	FO	---	--	Py	0.01
						LT	GY					
350.22	353.46	3.24	GRD	MG	Medium grey to dark green, medium grained, equigranular granodiorite with top contact up to 50 cm more dark grey-green (chilled margin).							
						DK	GY		---	0I		
						MD	GY	EQ	---	0I	--	0
353.46	355.28	1.82	GRN	MG	Light grey to light pink, equigranular granite. Pervasive chlorite veinlets at 7 per metre with minor argillic and pot altered selvages up to 1 cm. Minor k-spar veining pervasive at 5 per metre and up to 1 cm.							
						LT	PK		POT	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	EQ	ARG	1I	--	0
355.28	357.22	1.94	HBS	FG	Dark grey to green to light grey hornfels-biotite schist with pervasive chlorite veinlets at 45 degrees to core axis at 5 per metre with bleached selvages up to 3 cm.							
						DK	GY	FO	CHL	2I	--	0
						LT	GY					
						DK	GN					
357.22	361.71	4.49	GRN	MG	Interfingered granite and hornfels-biotite schist and magnetite-actinolite skarn. Granite is locally endoskarn, defined by green actinolite and strong blebby to patchy magnetite. Trace argillic alteration of feldspar phenocrysts locally. Magnetite veins also abundant throughout more endoskarn areas of granite. Interval comprises 30% Hornfels-biotite schist, 15% skarn and 55% granite. Skarn hosts trace blebby molybdenite, while molybdenite also found as blebs within magnetite veins up to 0.5 x 0.5 cm.							
						LT	GY	EQ	PRO	4I	mo	0.1
						LT	PK					
361.71	365.19	3.48	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn.							
						DK	GN	BN	CHL	2I	mo	0.5
						--	BL					
						MD	GN	FO			Cp	0.01
365.19	365.87	0.68	GRD	MG	Medium grey to dark grey, weakly argillic altered hornblende-biotite granodiorite. Margins are more dark grey (chilled). Minor epidote alteration near the top contact within quartz veins.							
						DK	GY	PO				
						MD	GY	EQ	ARG	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
365.87	367.80	1.93	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn. Local patches of ankerite over 15 cm and interval is dominantly pyroxene-garnet skarn. Quartz veins up to 2 cm hosting blebby molybdenite mostly along edge of vein.							
						MD	GN	BN	EPI	1I	mo	0.5
						LT	PK					
						DK	GN	FO	ANK	2I	Cp	0.1
367.80	370.55	2.75	HBS	FG	Dark grey to dark purple to light grey to light green to tan, well foliated hornfels-biotite schist. 75% of interval is strongly silicified and moderately to strongly sericite altered with light green to tan foliation within. A 10 cm interval of pyroxene-actinolite-chlorite skarn found within schist. Trace blebby pyrite within chlorite veins in the skarn.							
						DK	GY	FO	SIL	4I	--	0
						DK	PU		SER	3I		
						LT	GY					
370.55	376.65	6.10	SKN	FG	Well banded to foliated, dark-medium green to black to dark grey pyroxene-actinolite-chlorite-magnetite skarn hosting blebby molybdenite pervasively. Molybdenite also found as blebs along foliation/bands of pyroxene-actinolite-magnetite skarn. Weak epidote alteration locally. Last 75 cm of interval is a pyroxene=garnet-magnetite skarn with trace molybdenite blebs disseminated. Magnetite veins are found near the end of interval. Trace chalcopyrite veinlets/stringers and disseminated locally within skarn. Interval comprises intermittent foliated and banded pyroxene-magnetite-chlorite-mg skarn (40%), Garnet=pyroxene skarn (60%). Chlorite-epidote veinlets at 1 per metre.							
						MD	GN	FO			Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	PK	Mo				
						DK	GN	BN	EPI	1I	mo	0.5
						--	BL					
376.65	387.28	10.63	HBS	FG	Dominantly dark grey-purple-light grey, well foliated hornfels-biotite schist. Quartz bands up to 4 cm found along foliation. Blebby medium to coarse grained pyrite found occasionally along fractures. Last 1.5 metre of interval is strongly sericite altered and hosts minor quartz+/-ankerite veins hosting blebby molybdenite (1%)							
						DK	GY	FO	SER	3I	--	0
						DK	PU					
						LT	GN					
387.28	391.03	3.75	GRD	MG	Strongly fractured moderately to strongly clay altered and strongly phyllic altered granodiorite - likely represents a fault zone. 1 m of interval is medium grey fresh looking, but highly fractured and rubbly.							
									PHC	3I		
						MD	GY	EQ	CLY	4I	--	0
391.03	402.33	11.30	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist. First metre of interval is strongly fractured, weakly clay altered and strongly sericite altered (light green to tan). Strongly silica alteration intermittently and represents about 50% of the interval and is defined by mostly light grey with minor dark grey foliation. Moderate calcite veins within strongly sericite altered hornfels-biotite schist and dark grey siliceous seams up to 1 cm +/- light grey quartz veins in the vicinity (local and minor).							
						DK	PU		SER	2I		
						DK	GY	FO	SIL	3I	--	0
						LT	GY					

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From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.77	51	0.19	13	0R	5H	1W	
1.52	4.57	3.05	2.45	80	1.29	42	0R	5H	1W	
4.57	7.62	3.05	3.01	99	1.29	42	0R	5H	1W	
7.62	10.67	3.05	3.05	100	1.84	60	0R	4H	1W	
10.67	13.72	3.05	2.95	97	1.68	55	0R	4H	2W	
13.72	16.76	3.04	3.04	100	2.64	87	0R	4H	1W	
16.76	19.81	3.05	3.05	100	2.86	94	0R	4H	2W	
19.81	22.86	3.05	3.05	100	1.96	64	0R	4H	2W	
22.86	25.91	3.05	3.05	100	2.73	90	0R	3H	1W	
25.91	28.96	3.05	3.05	100	2.78	91	0R	3H	1W	
28.96	32.00	3.04	3.04	100	2.13	70	0R	4H	1W	
32.00	35.05	3.05	3.05	100	2.66	87	2R	4H	1W	
35.05	38.10	3.05	3.05	100	2.91	95	2R	4H	1W	
38.10	41.15	3.05	3.05	100	2.61	86	3R	3H	1W	
41.15	44.20	3.05	3.05	100	2.80	92	0R	5H	1W	
44.20	47.24	3.04	3.04	100	2.50	82	0R	5H	1W	
47.24	50.29	3.05	3.05	100	2.70	89	0R	5H	1W	
50.29	53.34	3.05	3.05	100	2.59	85	0R	5H	1W	
53.34	56.38	3.04	3.04	100	2.11	69	0R	4H	1W	
56.38	59.43	3.05	3.05	100	1.01	33	0R	4H	1W	
59.43	62.48	3.05	2.75	90	1.32	43	2R	4H	1W	
62.48	65.53	3.05	3.05	100	2.61	86	1R	3H	1W	
65.53	68.58	3.05	3.05	100	2.71	89	0R	4H	1W	
68.58	71.63	3.05	3.05	100	3.05	100	0R	5H	1W	
71.63	74.68	3.05	3.05	100	2.96	97	0R	5H	1W	
74.68	77.72	3.04	3.04	100	2.87	94	0R	5H	1W	
77.72	80.77	3.05	3.05	100	2.76	90	0R	5H	1W	
80.77	83.82	3.05	3.05	100	3.05	100	0R	5H	1W	
83.82	86.87	3.05	3.05	100	2.83	93	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	3.05	100	2.86	94	1R	5H	1W	
89.92	92.96	3.04	3.04	100	2.72	89	1R	4H	1W	
92.96	96.01	3.05	3.05	100	2.61	86	0R	5H	1W	
96.01	99.06	3.05	3.05	100	2.72	89	0R	5H	1W	
99.06	102.11	3.05	2.44	80	0.97	32	3R	3H	2W	
102.11	105.16	3.05	3.05	100	2.25	74	0R	5H	1W	
105.16	108.20	3.04	3.04	100	2.13	70	0R	5H	1W	
108.20	111.25	3.05	3.05	100	2.21	72	0R	5H	1W	
111.25	114.30	3.05	3.05	100	1.58	52	0R	5H	1W	
114.30	117.35	3.05	2.91	95	1.53	50	0R	4H	1W	
117.35	120.40	3.05	3.05	100	2.62	86	0R	5H	1W	
120.40	123.44	3.04	3.04	100	1.96	64	1R	4H	1W	
123.44	126.49	3.05	2.92	96	1.53	50	0R	4H	1W	
126.49	129.54	3.05	3.05	100	2.32	76	0R	3H	1W	
129.54	132.59	3.05	3.05	100	2.03	67	0R	3H	1W	
132.59	135.64	3.05	3.05	100	2.54	83	0R	3H	1W	
135.64	138.68	3.04	3.04	100	2.18	72	0R	3H	1W	
138.68	141.73	3.05	3.05	100	1.87	61	0R	3H	1W	
141.73	144.78	3.05	3.05	100	2.48	81	0R	4H	1W	
144.78	147.83	3.05	3.05	100	3.05	100	0R	4H	1W	
147.83	150.88	3.05	2.48	81	1.67	55	1R	4H	2W	
150.88	153.92	3.04	2.8	92	1.93	63	0R	4H	1W	
153.92	156.97	3.05	3.05	100	2.64	87	2R	4H	2W	
156.97	160.02	3.05	3.05	100	2.37	78	2R	4H	2W	
160.02	163.07	3.05	3.05	100	2.41	79	0R	5H	1W	
163.07	166.12	3.05	3.05	100	2.27	74	0R	5H	1W	
166.12	169.16	3.04	3.04	100	2.26	74	0R	4H	1W	
169.16	172.21	3.05	3.05	100	2.99	98	0R	5H	1W	
172.21	175.26	3.05	3.05	100	2.41	79	0R	5H	1W	
175.26	178.31	3.05	3.05	100	2.50	82	0R	5H	1W	
178.31	181.36	3.05	3.05	100	2.78	91	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	3	99	2.17	71	1R	5H	1W	
184.40	187.45	3.05	3.05	100	3.05	100	1R	5H	1W	
187.45	190.50	3.05	3.05	100	2.83	93	1R	5H	1W	
190.50	193.55	3.05	3.05	100	2.80	92	0R	5H	1W	
193.55	196.60	3.05	3.05	100	2.87	94	0R	5H	1W	
196.60	199.64	3.04	3.04	100	2.72	89	0R	5H	1W	
199.64	202.69	3.05	3.05	100	2.74	90	0R	5H	1W	
202.69	205.74	3.05	3.05	100	2.18	71	0R	4H	2W	
205.74	208.79	3.05	3.05	100	2.90	95	1R	3H	2W	
208.79	211.84	3.05	3.05	100	2.99	98	0R	5H	1W	
211.84	214.88	3.04	3.04	100	3.00	99	0R	5H	1W	
214.88	217.93	3.05	3.05	100	2.41	79	0R	5H	1W	
217.93	220.98	3.05	3.05	100	2.66	87	1R	4H	1W	
220.98	224.03	3.05	3.05	100	2.87	94	0R	4H	1W	
224.03	227.08	3.05	3.05	100	2.77	91	0R	5H	1W	
227.08	230.12	3.04	3.04	100	2.99	98	1R	4H	1W	
230.12	233.17	3.05	3.05	100	2.60	85	1R	4H	1W	
233.17	236.22	3.05	3.05	100	2.71	89	2R	4H	1W	
236.22	239.27	3.05	3.05	100	2.71	89	0R	3H	1W	
239.27	242.32	3.05	3.05	100	1.96	64	0R	1H	1W	
242.32	245.36	3.04	3.04	100	3.04	100	0R	3H	1W	
245.36	248.41	3.05	2.79	91	2.79	91	2R	3H	2W	
248.41	251.46	3.05	2.28	75	1.77	58	3R	3H	2W	
251.46	254.51	3.05	2.86	94	2.34	77	0R	4H	1W	
254.51	257.56	3.05	2.79	91	1.91	63	0R	2H	1W	
257.56	260.60	3.04	2.95	97	1.69	56	0R	4H	1W	
260.60	263.65	3.05	2.81	92	0.32	10	1R	1H	1W	
263.65	266.70	3.05	2.62	86	0.80	26	0R	3H	1W	
266.70	269.75	3.05	3.05	100	2.21	72	1R	4H	1W	
269.75	272.80	3.05	3.05	100	2.75	90	2R	4H	1W	
272.80	275.85	3.05	3.05	100	2.56	84	1R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
275.85	278.89	3.04	2.83	93	1.22	40	1R	2H	1W	
278.89	281.94	3.05	2.72	89	0.99	32	3R	2H	1W	
281.94	284.99	3.05	2.87	94	2.20	72	3R	3H	1W	
284.99	288.04	3.05	3.01	99	2.65	87	1R	4H	1W	
288.04	291.08	3.04	2.71	89	1.75	58	1R	3H	1W	
291.08	294.13	3.05	2.94	96	2.78	91	1R	4H	1W	
294.13	297.18	3.05	3.05	100	2.43	80	2R	4H	1W	
297.18	300.23	3.05	2.97	97	2.58	85	1R	5H	1W	
300.23	303.28	3.05	3.05	100	2.74	90	1R	4H	1W	
303.28	306.32	3.04	3.04	100	2.38	78	1R	4H	1W	
306.32	309.37	3.05	3.05	100	2.30	75	2R	4H	1W	
309.37	312.42	3.05	3.05	100	2.97	97	1R	5H	1W	
312.42	315.47	3.05	2.84	93	1.83	60	1R	4H	1W	
315.47	318.52	3.05	2.99	98	2.23	73	1R	4H	1W	
318.52	321.57	3.05	3	98	2.19	72	0R	5H	1W	
321.57	324.61	3.04	2.94	97	2.35	77	0R	5H	1W	
324.61	327.66	3.05	3.05	100	2.28	75	0R	4H	1W	
327.66	330.71	3.05	2.98	98	2.66	87	0R	4H	1W	
330.71	333.76	3.05	2.97	97	2.64	87	0R	4H	1W	
333.76	336.80	3.04	3	99	2.68	88	1R	4H	1W	
336.80	339.85	3.05	2.78	91	1.89	62	3R	4H	1W	
339.85	342.90	3.05	3.05	100	2.90	95	0R	4H	1W	
342.90	345.95	3.05	3.05	100	2.70	89	0R	5H	1W	
345.95	349.00	3.05	3.05	100	3.05	100	0R	5H	1W	
349.00	352.04	3.04	2.97	98	2.78	91	0R	5H	1W	
352.04	355.09	3.05	3.05	100	2.69	88	0R	5H	1W	
355.09	358.14	3.05	3.05	100	2.67	88	0R	5H	1W	
358.14	361.19	3.05	3.05	100	2.80	92	0R	5H	1W	
361.19	364.24	3.05	2.95	97	2.87	94	0R	5H	1W	
364.24	367.28	3.04	3.04	100	2.90	95	0R	5H	1W	
367.28	370.33	3.05	2.98	98	2.97	97	2R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.33	373.38	3.05	3.05	100	2.43	80	3R	5H	1W	
373.38	376.42	3.04	2.88	95	2.21	73	0R	5H	1W	
376.42	379.48	3.06	3.04	99	2.50	82	0R	5H	1W	
379.48	382.52	3.04	3.04	100	2.54	84	0R	5H	1W	
382.52	385.57	3.05	3.05	100	2.88	94	0R	5H	1W	
385.57	388.62	3.05	2.82	92	1.17	38	2R	3H	2W	
388.62	391.67	3.05	2.55	84	2.10	69	0R	2H	2W	
391.67	394.72	3.05	2.89	95	1.94	64	2R	3H	1W	
394.72	397.76	3.04	3.04	100	2.38	78	0R	5H	1W	
397.76	400.81	3.05	3.05	100	2.35	77	0R	5H	1W	
400.81	402.33	1.52	1.05	69	0.97	64	0R	5H	1W	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	7.99	FAP	
2	14.9	FAP	
3	14.1	FAP	
4	41	FAP	
5	1.53	FAP	
6	0.32	HBS	
7	0.14	HBS	
8	0.08	HBS	
9	0.36	HBS	
10	1	HBS	
11	0.02	HBS	
12	0.24	HBS	
13	0.34	HBS	
14	0.28	HBS	
15	0.08	HBS	
16	0.12	HBS	
17	0.1	HBS	
18	0.53	HBS	
19	0.06	HBS	
20	0.24	HBS	
21	0.06	HBS	
22	0.14	HBS	
23	0.12	HBS	
24	0.14	HBS	
25	0.3	HBS	
26	0.06	HBS	
27	0	HBS	
28	2.07	HBS	
29	0.73	HBS	
30	0.12	HBS	
31	2.15	SKN	
32	1000	SKN	
33	2	LST	
34	0.22	LST	
35	0.18	LST	
36	0.43	LST	
37	1.2	LST	
38	256	SKN	
39	275	SKN	
40	1000	SKN	
41	1.86	SKN	
42	0.67	HBS	
43	1.51	HBS	
44	0.36	HBS	
45	3.09	HBS	
46	1.84	HBS	
47	1.49	HBS	
48	0.61	HBS	
49	0.36	HBS	
50	0.2	HBS	
51	0.36	HBS	
52	1.78	SKN	
53	1.16	HBS	
54	0.16	HBS	
55	0.24	HBS	
56	1.1	FAP	
57	0.32	FAP	
58	0.02	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.06	HBS	
60	0	HBS	
61	19.2	AND	
62	10.8	AND	
63	0.14	HBS	
64	0.1	MBL	
65	0.1	MBL	
66	0.04	MBL	
67	0.1	MBL	
68	0.04	MBL	
69	0.08	MBL	
70	3.19	SKN	
71	0.24	MBL	
72	0.26	MBL	
73	0.06	MBL	
74	0.24	MBL	
75	0.41	SKN	
76	0.06	MBL	
77	0.1	MBL	
78	3.32	HBS	
79	3.25	HBS	
80	0.2	HBS	
81	3.28	HBS	
82	1.82	HBS	
83	2.97	HBS	
84	4.22	HBS	
85	1.66	HBS	
86	0.08	MBL	
87	0.08	MBL	
88	0.08	MBL	
89	0.08	MBL	

Depth (m)	Magnetic Susceptibility	Unit	Comments
90	0.06	MBL	
91	0.04	MBL	
92	0.08	MBL	
93	0.47	MBL	
94	0.1	MBL	
95	0.36	HBS	
96	0.06	HBS	
97	0.36	HBS	
98	0.3	HBS	
99	0.04	HBS	
100	0.86	SKN	
101	0.34	SKN	
102	0.24	GRD	
103	0.65	GRD	
104	1.16	GRD	
105	15.5	GRD	
106	5.43	GRD	
107	6.92	GRD	
108	6.74	GRD	
109	8.3	GRD	
110	8.77	GRD	
111	6.41	GRD	
112	8.63	GRD	
113	5.63	GRD	
114	5.84	GRD	
115	0.16	GRD	
116	0.41	HBS	
117	2.07	HBS	
118	3.54	GRD	
119	0.53	AND	
120	0.55	AND	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.18	GRD	
122	0.26	HBS	
123	0.32	HBS	
124	0.2	HBS	
125	1.59	HBS	
126	0.3	HBS	
127	0.53	HBS	
128	0.36	HBS	
129	0.61	HBS	
130	0.1	HBS	
131	2.93	HBS	
132	0.96	HBS	
133	1.33	HBS	
134	0.9	HBS	
135	0.14	HBS	
136	1.68	HBS	
137	0.22	HBS	
138	0.34	HBS	
139	0.36	HBS	
140	0.32	HBS	
141	0.24	GRN	
142	0.82	GRN	
143	1.51	GRN	
144	0.51	GRN	
145	0.38	HBS	
146	0.06	SKN	
147	1.51	SKN	
148	1.57	SKN	
149	0.32	SKN	
150	0.16	HBS	
151	0.18	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
152	0.1	HBS	
153	0.43	HBS	
154	0.34	HBS	
155	0.12	SKN	
156	0.04	SKN	
157	0.41	SKN	
158	0.45	SKN	
159	0.65	SKN	
160	0.14	HBS	
161	0.22	HBS	
162	0.24	HBS	
163	2.97	HBS	
164	0.2	HBS	
165	0.53	HBS	
166	0.32	HBS	
167	0.43	HBS	
168	0.28	HBS	
169	0.96	HBS	
170	0.22	HBS	
171	0.26	HBS	
172	0.92	HBS	
173	0.38	HBS	
174	0.67	HBS	
175	0.26	HBS	
176	0.2	HBS	
177	0.65	HBS	
178	0.22	HBS	
179	0.96	HBS	
180	1.74	HBS	
181	14	SKN	
182	8.28	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	3.71	SKN	
184	32.4	SKN	
185	5.41	SKN	
186	19.6	SKN	
187	27.5	SKN	
188	17.5	SKN	
189	6.02	SKN	
190	43.6	SKN	
191	2.05	SKN	
192	16.7	HBS	
193	8.52	HBS	
194	0.2	HBS	
195	3.05	HBS	
196	4.03	QTE	
197	0.14	QTE	
198	0.18	HBS	
199	0.02	HBS	
200	0.34	HBS	
201	414	SKN	
202	2.17	HBS	
203	0.53	HBS	
204	0.121	HBS	
205	0.04	HBS	
206	0.24	HBS	
207	0.06	HBS	
208	0.36	HBS	
209	0.08	QTE	
210	0.16	HBS	
211	0.22	HBS	
212	0.18	HBS	
213	0.28	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
214	0.12	HBS	
215	0.32	HBS	
216	0.43	HBS	
217	0.1	HBS	
218	0.49	HBS	
219	0.2	HBS	
220	0.26	HBS	
221	0.14	HBS	
222	0.06	HBS	
223	0.06	HBS	
224	0.04	HBS	
225	0	HBS	To Fractured to Mag
226	0.12	HBS	
227	0.08	HBS	
228	1.7	HBS	
229	0.12	HBS	
230	5.65	HBS	
231	2.74	HBS	
232	0.22	HBS	
233	0	HBS	to fractured to M
234	0.86	HBS	
235	0.06	HBS	
236	0.26	HBS	
237	1.12	HBS	
238	0.47	HBS	
239	0.26	HBS	
240	4.4	HBS	
241	2.72	HBS	
242	0.32	HBS	
243	0.18	HBS	
244	0.08	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
245	0.02	FFP	
246	0.06	FAP	
247	0.04	FAP	
248	0.1	FAP	
249	0.04	FAP	
250	0.06	FAP	
251	0.1	FAP	
252	0.08	FFP	
253	0.06	FFP	
254	0.06	FFP	
255	0	FFP	to fractured to M
256	0.06	HBS	
257	0.04	HBS	
258	1.55	HBS	
259	0.28	HBS	
260	0.18	HBS	
261	0.06	HBS	
262	0.1	HBS	
263	0	HBS	to fractured to M
264	0.04	HBS	
265	0.06	HBS	
266	0	HBS	to fractured to M
267	0.2	HBS	
268	0.08	HBS	
269	0.08	HBS	
270	0.3	HBS	
271	0.06	HBS	
272	0.1	HBS	
273	0.06	HBS	
274	0.1	HBS	
275	0.04	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
276	0.1	HBS	
277	0.08	HBS	
278	0.04	HBS	
279	0.06	HBS	
280	0.06	HBS	
281	0.04	HBS	
282	0.06	HBS	
283	0	HBS	to fractured
284	0.02	HBS	
285	2.05	GRD	
286	0.88	GRD	
287	0.82	GRD	
288	3.71	GRD	
289	0.41	GRD	
290	0.06	GRD	
291	0.06	GRD	
292	0.08	GRD	
293	1.68	GRD	
294	0.36	GRD	
295	0.16	GRD	
296	3.42	GRD	
297	2.48	GRD	
298	3.01	GRD	
299	0.36	GRD	
300	3.93	GRD	
301	12.3	GRD	
302	2.48	SKN	
303	44	SKN	
304	0.08	HBS	
305	0.3	HBS	
306	1.16	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
307	0.04	HBS	
308	0.02	HBS	
309	4.26	GRN	
310	0.08	HBS	
311	0.24	HBS	
312	1.66	GRD	
313	0.98	GRD	
314	0.88	GRD	
315	1.57	GRD	
316	0.22	GRD	
317	1.02	GRD	
318	5.63	GRD	
319	5.41	GRD	
320	13.8	GRD	
321	15.1	GRD	
322	17.1	GRD	
323	15	GRD	
324	14.3	GRD	
325	15.2	GRD	
326	5.88	GRD	
327	5.51	GRN	
328	5.2	GRN	
329	0.06	HBS	
330	0.06	HBS	
331	0.04	HBS	
332	0.51	HBS	
333	0.06	HBS	
334	0.1	HBS	
335	1.2	HBS	
336	0.04	HBS	
337	0.43	HBS	
338	0.26	HBS	
339	0.08	HBS	
340	0.04	HBS	
341	0.75	HBS	
342	12.5	GRD	
343	8.81	GRD	
344	5.02	GRD	
345	13.7	GRD	
346	7.91	GRD	
347	27.1	GRD	
348	9.51	GRD	
349	6.74	GRD	
350	0.12	HBS	
351	13	GRD	
352	12.8	GRD	
353	40.5	GRD	
354	6.31	GRN	
355	4.14	GRN	
356	26.3	HBS	
357	0.41	HBS	
358	18.5	GRN	
359	20.2	GRN	
360	3.21	GRN	
361	9.93	GRN	
362	7.43	SKN	
363	3.66	SKN	
364	9.12	SKN	
365	5.04	SKN	
366	9.72	SKN	
367	2.99	SKN	
368	5.47	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
369	0.18	HBS	
370	0.16	HBS	
371	3.85	SKN	
372	8.89	SKN	
373	3.99	SKN	
374	2.79	SKN	
375	7.85	SKN	
376	3.67	SKN	
377	0.22	HBS	
378	1.31	HBS	
379	4.24	HBS	
380	0.49	HBS	
381	15.1	HBS	
382	1.51	HBS	
383	2.13	HBS	
384	0.73	HBS	
385	13.9	HBS	
386	0.3	HBS	
387	0.22	HBS	
388	0.22	GRD	
389	13.8	GRD	
390	0.16	GRD	
391	0.28	GRD	
392	2.78	HBS	
393	0.16	HBS	
394	0.2	HBS	
395	0.41	HBS	
396	0.14	HBS	
397	0.67	HBS	
398	1.57	HBS	
399	0.59	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
400	0.45	HBS	
401	0.1	HBS	
402	1.8	HBS	

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	S052988	☐	B00-007	Batch 7	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053013	☐	B00-008	Batch 8	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053018	☐	B00-008	Batch 8		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053027	☐	B00-008	Batch 8		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S052980	☐	B00-007	Batch 7		☑	☐	☐
30.35	31.67	1.32	HBS, SKN	1.32	100	S052978	☐	B00-007	Batch 7		☐	☐	☐
31.67	32.92	1.25	SKN	1.25	100	S052979	☐	B00-007	Batch 7		☐	☐	☐
32.92	35.05	2.13	LST, SKN	2.13	100	S052981	☐	B00-007	Batch 7		☐	☐	☐
32.92	35.05	2.13	LST, SKN	2.13	100	S052982	☐	B00-007	Batch 7		☐	☑	☐
35.05	37.50	2.45	LST	2.45	100	S052983	☐	B00-007	Batch 7		☐	☐	☐
37.50	40.02	2.52	LST, SKN	2.52	100	S052984	☐	B00-007	Batch 7		☐	☐	☐
40.02	41.02	1.00	SKN	1.00	100	S052985	☐	B00-007	Batch 7		☐	☐	☐
51.28	52.28	1.00	HBS, SKN	1.00	100	S052986	☐	B00-007	Batch 7		☐	☐	☐
63.08	64.08	1.00	HBS, MBL	1.00	100	S052987	☐	B00-007	Batch 7		☐	☐	☐
69.26	70.26	1.00	MBL	1.00	100	S052989	☐	B00-007	Batch 7		☐	☐	☐
74.68	75.68	1.00	MBL	1.00	100	S052990	☐	B00-007	Batch 7		☐	☐	☐
89.13	90.13	1.00	SKN, MBL	1.00	100	S052991	☐	B00-007	Batch 7		☐	☐	☐
94.01	95.01	1.00	MBL, SKN	1.00	100	S052992	☐	B00-007	Batch 7		☐	☐	☐
99.10	101.07	1.97	SKN, HBS	1.28	65	S052993	☐	B00-007	Batch 7		☐	☐	☐
145.47	147.83	2.36	HBS, SKN	2.36	100	S052994	☐	B00-007	Batch 7		☐	☐	☐
147.83	149.08	1.25	SKN	1.25	100	S052995	☐	B00-007	Batch 7		☐	☐	☐

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
149.08	151.23	2.15	SKN, HBS	1.64	76	S052996	☐	B00-007	Batch 7		☐	☐	☐
154.24	156.97	2.73	SKN, HBS	2.73	100	S052997	☐	B00-007	Batch 7		☐	☐	☐
156.97	158.66	1.69	SKN	1.69	100	S052998	☐	B00-007	Batch 7		☐	☐	☐
158.66	159.81	1.15	SKN	1.15	100	S052999	☐	B00-007	Batch 7		☐	☐	☐
180.05	182.74	2.69	HBS, SKN	2.54	94	S053000	☐	B00-007	Batch 7		☐	☐	☐
182.74	185.00	2.26	SKN	2.26	100	S053001	☐	B00-007	Batch 7		☐	☐	☐
185.00	187.98	2.98	SKN	2.98	100	S053002	☐	B00-007	Batch 7		☐	☐	☐
187.98	191.03	3.05	SKN	3.05	100	S053003	☐	B00-008	Batch 8		☐	☐	☐
200.65	201.65	1.00	SKN, HBS	1.00	100	S053004	☐	B00-008	Batch 8		☐	☐	☐
203.20	204.31	1.11	HBS	1.11	100	S053005	☐	B00-008	Batch 8		☐	☐	☐
228.25	229.25	1.00	HBS	1.00	100	S053006	☐	B00-008	Batch 8		☐	☐	☐
244.22	245.70	1.48	HBS, FFP	1.22	82	S053007	☐	B00-008	Batch 8		☐	☐	☐
244.22	245.70	1.48	HBS, FFP	1.22	82	S053008	☐	B00-008	Batch 8		☐	☐	☑
245.70	248.41	2.71	FAP	2.46	91	S053009	☐	B00-008	Batch 8		☐	☐	☐
248.41	250.09	1.68	FAP	1.28	76	S053010	☐	B00-008	Batch 8		☐	☐	☐
250.09	252.91	2.82	FAP	2.41	85	S053011	☐	B00-008	Batch 8		☐	☐	☐
252.91	255.47	2.56	FFP	2.32	91	S053012	☐	B00-008	Batch 8		☐	☐	☐
270.35	271.35	1.00	HBS, SKN	1.00	100	S053014	☐	B00-008	Batch 8		☐	☐	☐
281.13	283.80	2.67	HBS	2.59	97	S053015	☐	B00-008	Batch 8		☐	☐	☐
301.59	303.97	2.38	GRD, SKN	2.38	100	S053016	☐	B00-008	Batch 8		☐	☐	☐
332.00	333.00	1.00	HBS	1.00	100	S053017	☐	B00-008	Batch 8		☐	☐	☐
359.52	361.71	2.19	GRN	2.19	100	S053019	☐	B00-008	Batch 8		☐	☐	☐
361.71	364.00	2.29	SKN, GRN	2.29	100	S053020	☐	B00-008	Batch 8		☐	☐	☐

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
361.71	364.00	2.29	SKN, GRN	2.29	100	S053021	☐	B00-008	Batch 8		☐	☑	☐
364.00	365.19	1.19	SKN	1.19	100	S053022	☐	B00-008	Batch 8		☐	☐	☐
365.87	367.80	1.93	GRD, SKN	1.93	100	S053023	☐	B00-008	Batch 8		☐	☐	☐
367.80	370.55	2.75	HBS, SKN	2.75	100	S053024	☐	B00-008	Batch 8		☐	☐	☐
370.55	373.60	3.05	SKN, HBS	3.05	100	S053025	☐	B00-008	Batch 8		☐	☐	☐
373.60	375.30	1.70	SKN	1.70	100	S053026	☐	B00-008	Batch 8		☐	☐	☐
375.30	376.66	1.36	SKN	1.36	100	S053028	☐	B00-008	Batch 8		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	30.35						☐	☐	☐	☐	
B00-007	S052980	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-007	S052988	0.00	0.00	1.56	139		33	2.2	☐	☐	☐	☑ ME-16	
B00-008	S053013	0.00	0.00	1.51	145		34	2.6	☐	☐	☐	☑ ME-16	
B00-008	S053018	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-008	S053027	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-007	S052978	30.35	31.67	0.00	2		0	0.1	☐	☐	☐	☐	
B00-007	S052979	31.67	32.92	0.07	3		0	0.2	☐	☐	☐	☐	
B00-007	S052981	32.92	35.05	0.01	1		0	0.1	☐	☐	☐	☐	
B00-007	S052982	32.92	35.05	0.01	1		0	0.1	☑	☐	☐	☐	
B00-007	S052983	35.05	37.50	0.00	1		0	0.1	☐	☐	☐	☐	
B00-007	S052984	37.50	40.02	0.82	4		0	0.1	☐	☐	☐	☐	
B00-007	S052985	40.02	41.02	0.31	6		1	0.3	☐	☐	☐	☐	
		41.02	51.28						☐	☐	☐	☐	
B00-007	S052986	51.28	52.28	0.00	1		0	0.4	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		52.28	63.08						☐	☐	☐	☐	
B00-007	S052987	63.08	64.08	0.01	1		0	0.2	☐	☐	☐	☐	
		64.08	69.26						☐	☐	☐	☐	
B00-007	S052989	69.26	70.26	0.11	2		1	0.1	☐	☐	☐	☐	
		70.26	74.68						☐	☐	☐	☐	
B00-007	S052990	74.68	75.68	0.19	1		0	0.1	☐	☐	☐	☐	
		75.68	89.13						☐	☐	☐	☐	
B00-007	S052991	89.13	90.13	0.14	10		0	0.1	☐	☐	☐	☐	
		90.13	94.01						☐	☐	☐	☐	
B00-007	S052992	94.01	95.01	0.04	3		1	0.2	☐	☐	☐	☐	
		95.01	99.10						☐	☐	☐	☐	
B00-007	S052993	99.10	101.07	0.17	21		2	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052994	145.47	147.83	0.02	7		1	0.1	☐	☐	☐	☐	
B00-007	S052995	147.83	149.08	0.00	6		0	0.0	☐	☐	☐	☐	
B00-007	S052996	149.08	151.23	0.01	10		2	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S052997	154.24	156.97	0.08	148		15	0.3	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-007	S052998	156.97	158.66	0.18	66		77	0.1	☐	☐	☐	☐	
B00-007	S052999	158.66	159.81	0.18	4		2	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-007	S053000	180.05	182.74	0.18	2		1	0.1	☐	☐	☐	☐	
B00-007	S053001	182.74	185.00	0.06	8		0	0.0	☐	☐	☐	☐	
B00-007	S053002	185.00	187.98	0.02	6		0	0.0	☐	☐	☐	☐	
B00-008	S053003	187.98	191.03	0.12	4		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053004	200.65	201.65	0.06	1		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053005	203.20	204.31	0.01	15		2	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053006	228.25	229.25	0.03	14		3	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053007	244.22	245.70	0.00	5		2	0.7	☐	☐	☐	☐	
B00-008	S053008	244.22	245.70	0.00	5		2	0.7	☐	☑	☐	☐	
B00-008	S053009	245.70	248.41	0.00	17		3	0.4	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-008	S053010	248.41	250.09	0.01	6		3	0.4	☐	☐	☐	☐	
B00-008	S053011	250.09	252.91	0.00	26		4	0.8	☐	☐	☐	☐	
B00-008	S053012	252.91	255.47	0.00	7		4	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053014	270.35	271.35	0.06	5		2	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053015	281.13	283.80	0.01	46		4	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053016	301.59	303.97	0.03	5		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053017	332.00	333.00	0.01	1		0	0.6	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-008	S053019	359.52	361.71	0.00	1		0	0.1	☐	☐	☐	☐	
B00-008	S053020	361.71	364.00	0.01	0		0	0.1	☐	☐	☐	☐	
B00-008	S053021	361.71	364.00	0.01	1		0	0.1	☑	☐	☐	☐	
B00-008	S053022	364.00	365.19	0.00	1		0	0.0	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-008	S053023	365.87	367.80	0.01	1		0	0.1	☐	☐	☐	☐	
B00-008	S053024	367.80	370.55	0.01	4		1	0.3	☐	☐	☐	☐	
B00-008	S053025	370.55	373.60	0.01	79		4	0.2	☐	☐	☐	☐	
B00-008	S053026	373.60	375.30	0.01	1		0	0.1	☐	☐	☐	☐	
B00-008	S053028	375.30	376.66	0.05	1		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
10.21	11.84	FT	42	-	NUL	1	Strongly oxidized and fractured zone within HBS			
								--	0	---
20.42	22.46	FT	42	-	NUL	1	Strongly oxidized and fractured zone within HBS			
								--	0	---
30.90	30.95	VN	37	30	NUL	1	Calcite vein with dark grey 0.5 mm selvages and weak oxide staining.			
								--	0	---
32.88	32.92	bn		70	NUL	1	2 cm wide magnetite band with serpentine selvages (0.5 mm wide)			
								--	0	---
36.40	36.50	VN	37	30	NUL	1	Lime green serpentine vein 2 cm wide			
								--	0	---
37.80	38.10	VT	37	15	NUL	1	Magnetite-pyrite-chalcopyrite veinlet			
								Py	5	BL
								Cp	1	BL
56.00	56.38	FT	42	-	NUL	1	Strongly oxidized and clay altered FAP			
								--	0	---
58.40	58.75	FT	42	-	NUL	1	Rubbly and moderately oxidized fault/fracture zone within HBS			
								--	0	---
58.95	59.10	FT	42	-	NUL	1	Rubble zone +/-moderately oxidized			
								--	0	---
59.80	60.30	FT	42	-	NUL	1	Rubble zone +/-moderately oxidized			
								--	0	---
72.95	72.98	DY	37	60	60	1	Fine grained dark green andesite dyke			
								--	0	---
92.40	92.50	FR	5	20	NUL	1	Strongly oxidized fracture with about 1 cm wide calcite vein			
								--	0	---
99.23	100.82	FT	42	-	NUL	1	Strong fractures, oxide, rubble and gouge zone with moderate malachite staining within skarn			
								Ml	1	BL

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
106.05	106.10	FR	5	30	NUL	1	Moderately oxidized fracture with trace molybdenite within GRD			
								mo	0.1	BL
106.90	107.10	VT	37	15	NUL	1	Chlorite-pyrite veinlet with bleached selvages up to 0.5 cm			
								Py	1	BL
120.30	120.40	DY	37	20	NUL	1	army green 3 cm wide fine grained dyke with hornblende minerals up to 0.5 cm			
								--	0	---
149.50	151.23	FT	42	30	NUL	1	rubbly to gougy fault zone containing moderate quartz-carbonate veining (stockwork).			
								--	0	---
154.52	158.66	VB	37	30	NUL	1	Brecciation is matrix supported and consists of light to medium grey fine grained siliceous matrix with angular white and dark grey clasts ranging from < 1mm to 1.5 cm. Quartz-carbonate vein breccia hosts mosaic breccias of calcite matrix with angular strongly oxidized clasts ranging form 1 to 3 cm.			
								--	0	---
181.71	181.97	FT	42	-	NUL	1	Strongly fractured and weakly oxidized skarn. Moderate malachite staining.			
								Cp	1	BL
183.00	183.15	VN	37	30	NUL	1	Discontinuous chalcopyrite-chlorite vein up to 0.5 to 1 cm with blebby chalcopyrite cutting skarn.			
								Cp	5	BL
190.70	190.80	VT	37	30	NUL	1	Discontinuous chalcopyrite-chlorite vein up to 0.5 to 1 cm with blebby chalcopyrite cutting skarn.			
								Cp	5	BL
203.20	204.31	FT	42	-	NUL	1	Strongly oxidized, moderately fractured, weakly gougy and weakly quartz-carbonate altered fault zone with quartz bands along relict hornfels-biotite schist up to 4 cm.			
								--	0	---
206.90	207.15	FT	42	-	NUL	1	Strongly oxidized and fractured zone within HBS			
								--	0	---

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
228.26	228.41	VN	37	25	NUL	1	Dark grey smoky quartz (2 cm wide) vein breccia with dark grey matrix and fine grained angular white quartz clasts hosting trace fine to medium grained blebby molybdenite along selvages.			
								mo	0.1	BL
234.80	236.00	VN	37	5	NUL	1	3 cm light grey quartz vein with ankerite selvages (1 mm wide) flanks downhole side of vein.			
								--	0	---
237.27	237.57	FT	42	-	NUL	1	Weakly oxidized, strongly clay to sand altered HBS within fault zone.			
								--	0	---
244.23	244.30	VN	37	70	NUL	1	Dark grey smoky quartz vein (0.5 cm) with light grey quartz selvages (0.5 cm).			
								--	0	---
246.45	246.97	VB	37	20	NUL	1	Strongly oxidized calcite flooded zone with a 1 cm wide light grey quartz vein cutting at 20 degrees to core axis with minor goethite vugs along selvages.			
								Go	1	BL
248.62	249.98	VN	37	5	NUL	1	2 cm wide calcite vein with vugs up to 2 x 2 cm.			
								--	0	---
253.00	253.87	VB	37	5	NUL	1	Smoky quartz vein breccia with dark grey silicified matrix with angular white quartz clasts ranging from 1 mm to 1 cm with light grey quartz along one selvage up to 1 cm.			
								--	0	---
254.00	254.20	VB	37	20	NUL	1	Smoky quartz vein breccia with dark grey silicified matrix with angular white quartz clasts ranging from 1 mm to 1 cm with light grey quartz along one selvage up to 1 cm within FFP			
								--	0	---
265.80	265.20	FT	42	-	NUL	1	Strong fracture and rubbly zone within HBS			
								--	0	---
281.13	282.87	VB	37	-	NUL	1	breccia zone comprising matrix supported calcite with angular clasts of strong chlorite altered and silicified hornfels-biotite schist clasts ranging from 3 x 3 cm to 1 x 1 cm hosting blebby medium grained pyrite.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Py	0.1	BL
283.50	283.80	VB	37	-	NUL	1	matrix supported breccia comprising light grey quartz matrix with light grey angular quartz clasts up to 1 x 0.5 cm. Minor strongly silicified and chlorite altered angular clast up to 1 cm found sporadically within breccia. Minor hydrothermal ankerite to dolomite found as rims (trace) and veins near bottom of interval.			
								--	0	---
284.50	284.55	VN	37	40	NUL	1	1 cm wide light grey quartz vein hosting blebby molybdenite along edge of vein. No alteration selvages.			
								mo	0.1	BL
286.80	286.90	VN	37	30	NUL	1	1 cm light grey quartz vein hosting trace blebby chalcopyrite with k-spar alteration selvages (0.5 cm)			
								Cp	0.1	BL
289.90	290.00	VN	37	25	NUL	2	1 cm black siliceous vein with strong sericite-chlorite altered angular clasts up to 0.5 x 0.5 cm within black matrix.			
								--	0	---
291.00	291.10	VN	37	20	NUL	1	Ankerite vein (1 cm wide) with dark grey +/- pyrite selvages 0.5 cm wide within strong sericite-chlorite altered GRD envelopes.			
								Py	1	BL
291.40	291.60	VN	37	50	NUL	4	quartz veins hosting blebby chalcopyrite up to 10% with sericite-argillic altered envelopes (20 cm)			
								Cp	10	BL
295.20	295.40	VN	37	25	NUL	1	Calcite-ankerite-dark grey silicified vein with minor blebby medium grained pyrite.			
								Py	1	BL
303.28	303.50	VN	37	10	NUL	1	1 cm wide calcite vein hosting blebby medium grained chalcopyrite.			
								Cp	1	BL
306.40	306.60	VN	37	15	NUL	1	1 cmwide ankerite-calcite vein			
								--	0	---

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
312.02	312.45	VN	37	40	NUL	2	Calcite-ankerite vein 1 cm wide with 1 cm light grey quartz vein in dark grey 1 mm selvages uphole hosting blebby pyrite. Cuts about 5 cm calcite vein breccia with light grey clasts of granodiorite, which are rimmed by ankerite (elongated and sub-angular).			
								Py	1	BL
327.95	328.30	VN	37	3	NUL	1	1 cm wide light grey quartz vein with weak k-spar altered selvages, cut by chlorite veinlet at 50 degrees to core axis offsetting vein by 1 cm and hosting a 0.5 x 0.5 cm bleb of molybdenite along the offset in the chlorite vein.			
								mo	1	BL
339.45	339.50	VN	37	35	NUL	1	Dark grey, smoky quartz vein hosting blebby pyrite. Light grey quartz selvages with their own dark grey selvages.			
								Py	1	BL
342.20	342.25	VN	37	30	NUL	1	Light grey to white quartz-dolomite vein hosting blebby chalcopyrite with dark grey 1 mm selvages within a 20 cm envelope of weak k-spar and strongly phyllic altered GRD.			
								--	0	---
343.80	343.85	VN	37	40	NUL	1	5 cm wide k-spar vein - coarse grained.			
								--	0	---
353.95	355.20	VN	37	45	NUL	6	Chlorite vein +/- argillic and k-spar altered selvages up to 1 cm.			
								--	0	---
355.50	356.50	VT	37	30	NUL	5	Chlorite veinlets with bleached selvages up to 1 cm.			
								--	0	---
361.71	361.73	VN	37	40	NUL	1	Milky white quartz vein 3 cm wide with magnetite selvages 0.5 cm wide hosting weak blebby molybdenite up to 0.5 x 0.5 cm.			
								mo	2	BL
								--	0	---
364.50	364.55	VT	37	40	NUL	1	Epidote veinlet with trace chalcopyrite.			
								Cp	0.01	BL
366.80	366.83	VT	37	40	NUL	1	Epidote-chalcopyrite veinlet			
								Cp	5	BL
366.95	366.98	VT	37	40	NUL	1	Epidote-chalcopyrite veinlet.			

From (m)	To (m)	Structure Type	MapInfo Code	Attitude TCA	Attitude TRFE	Structure Count	Description	Mineral	Conc.	Mineral Texture
								Cp	0.01	BL
374.00	374.05	VT	37	45	NUL	1	Chalcopyrite-molybdenite veinlet.			
								mo	0.5	BL
								Cp	1	BL
385.50	385.60	VN	37	20	NUL	1	1 cm wide quartz-ankerite vein hosting blebby molybdenite disseminated and fine grained molybdenite along selvages.			
								mo	0.5	BL
387.40	391.67	FT	42	-	NUL	1	Strongly fractured variably weakly to strongly clay altered and moderately to strongly calcite brecciated/flooded fault within granodiorite and hornfels-biotite schist.			
								--	0	---
392.14	392.33	FT	42	-	NUL	1	Strongly fractured, weakly clay altered and moderately to strongly calcite altered hornfels-biotite schist (strong sericite altered schist).			
								--	0	---

Hopper - Hopper

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		397310	6794931	1240	373.38

ZONE: Hopper

SECTION:

HOLE: HOP-16-016

CLAIM:

Contractor: Platinum

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Sep 24 -

Geology Logged By: A. Mitchell

SURVEY			
Depth (m)	Azimuth	Dip	Method
7.62	262.9	-70.3	Reflex
373.38	278	-71	Reflex

TARGET: PAD F

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	44.92	44.92	HBS
44.92	49.49	4.57	AND
49.49	55.63	6.14	SKN
55.63	60.89	5.26	HBS
60.89	79.62	18.73	SKN
79.62	81.8	2.18	HBS
81.8	84.48	2.68	SKN
84.48	86.01	1.53	HBS
86.01	91.84	5.83	SKN
91.84	92.25	0.41	GRD
92.25	93.84	1.59	SKN
93.84	99.37	5.53	GRD
99.37	100.7	1.33	HBS
100.7	102.6	1.9	SKN
102.6	105.16	2.56	HBS
105.16	105.95	0.79	SKN

SAMPLES	
Numbers:	S053029 to S053098
Total:	70
Batch:	008, 009, 010
Certificates:	WH16167646, WH16167650, WH16167653

COMMENTS

105.95	109.12	3.17	HBS
109.12	110.91	1.79	SKN
110.91	112.38	1.47	HBS
112.38	114.11	1.73	SKN
114.11	119.54	5.43	GRD
119.54	121.07	1.53	SKN
121.07	126.63	5.56	HBS
126.63	141.79	15.16	SKN
141.79	145.52	3.73	RHY
145.52	149.31	3.79	HBS
149.31	151.36	2.05	SKN
151.36	152.94	1.58	HBS
152.94	153.32	0.38	SKN
153.32	156.06	2.74	HBS
156.06	156.85	0.79	SKN
156.85	158.1	1.25	HBS
158.1	161.09	2.99	SKN
161.09	162.11	1.02	HBS
162.11	167.82	5.71	SKN
167.82	169.41	1.59	GRD
169.41	174.12	4.71	SKN
174.12	178.31	4.19	HBS
178.31	183.78	5.47	GRD
183.78	194.91	11.13	HBS
194.91	200.59	5.68	MBL
200.59	208.93	8.34	SKN
208.93	209.87	0.94	GRD
209.87	210.99	1.12	SKN
210.99	214.82	3.83	HBS
214.82	215.06	0.24	FAP
215.06	223.23	8.17	HBS
223.23	223.73	0.5	QTE

223.73	230.86	7.13	HBS
230.86	231.58	0.72	QTE
231.58	243.57	11.99	HBS
243.57	248.4	4.83	SKN
248.4	276.5	28.1	HBS
276.5	277.39	0.89	QTE
277.39	282.29	4.9	HBS
282.29	282.8	0.51	FFP
282.8	283.86	1.06	HBS
283.86	284.02	0.16	FFP
284.02	289.29	5.27	HBS
289.29	298.03	8.74	FAP
298.03	301.46	3.43	HBS
301.46	306.12	4.66	SKN
306.12	336.03	29.91	HBS
336.03	336.93	0.9	SKN
336.93	345.75	8.82	HBS
345.75	346.3	0.55	QTE
346.3	352.38	6.08	HBS
352.38	352.66	0.28	SKN
352.66	354.02	1.36	HBS
354.02	356.2	2.18	SKN
356.2	360.79	4.59	HBS
360.79	362.01	1.22	SKN
362.01	371.48	9.47	HBS
371.48	371.89	0.41	FAP
371.89	373.38	1.49	HBS

Box Log

HOP-16-016

Hopper

Hopper Zone

Archer,Cathro & Associates (1981) Limited

Box Number	From (m)	To (m)
1	0	4.57
2	4.57	9.11
3	9.11	13.19
4	13.19	17.52
5	17.52	21.62
6	21.62	25.91
7	25.91	30.27
8	30.27	34.48
9	34.48	38.44
10	38.44	43.14
11	43.14	47.83
12	47.83	52.11
13	52.11	56.39
14	56.39	60.71
15	60.71	64.76
16	64.76	68.86
17	68.86	73.07
18	73.07	77.39
19	77.39	81.39
20	81.39	85.52
21	85.52	89.92
22	89.92	93.84
23	93.84	99.55
24	99.55	104.13
25	104.13	108.36
26	108.36	112.64
27	112.64	116.95
28	116.95	121.8
29	121.8	125.35
30	125.35	129.64
31	129.64	133.73
32	133.73	138.04
33	138.04	142.39
34	142.39	146.89
35	146.89	151.06
36	151.06	155.23
37	155.23	157.45
38	157.45	163.24
39	163.24	167.71
40	167.71	172.21
41	172.21	176.61
42	176.61	180.77
43	180.77	185.2
44	185.2	189.69
45	189.69	194.03
46	194.03	198.4
47	198.4	202.69
48	202.69	207.09
49	207.09	211.49
50	211.49	215.78
51	215.78	220.21
52	220.21	224.59
53	224.59	228.81
54	228.81	233.17
55	233.17	237.62
56	237.62	242.08
57	242.08	246.33
58	246.33	250.8
59	250.8	255.14
60	255.14	259.67
61	259.67	264.06
62	264.06	268.4
63	268.4	272.8
64	272.8	276.88
65	276.88	281.06
66	281.06	285.2
67	285.2	289.43
68	289.43	293.54
69	293.54	297.73
70	297.73	302.31
71	302.31	306.5
72	306.5	310.95
73	310.95	315.28
74	315.28	319.52
75	319.52	323.69
76	323.69	327.85
77	327.85	332.38
78	332.38	336.54
79	336.54	340.91
80	340.91	345.14
81	345.14	349.5
82	349.5	353.63
83	353.63	358.04
84	358.04	362.32
85	362.32	366.43
86	366.43	370.74
87	370.74	373.38

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	44.92	44.92	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Oxide stain is usually found on fractures pervasively and locally along core. Strongly fractured fault zones are found periodically and up to 6 m wide. Strong silicified hornfels-biotite schist is found sporadically and is light grey. Light grey quartz veins up to 1 cm along foliation locally. Skarn near the top of the hole is intermittently over a 1 m interval with 70% HBS and 30% skarn. Skarn is pyroxene-actinolite and missive to foliated. No visible mineralization. Minor bleached stringers locally.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU		OXI	2I		
44.92	49.49	4.57	AND	FG	Dark grey-green to medium orange, highly fractured andesite with trace malachite found along fractures locally. Minor strongly silicified hornfels-biotite schist found as rubbly throughout the interval, but dominantly andesite. Zone is so fractured - unable to obtain contacts. Last 1.5 m of interval is strongly fractured, weakly oxidized and a lighter brown to green altered andesite. Last 10 cm is strongly oxidized with 5% goethite.							
						DK	GN	MA	OXI	2I	--	0
						DK	GY					
49.49	50.29	0.80	SKN	FG	Strongly oxidized to strongly silicified, light green pyroxene skarn with calcite veining/breccia at last 20 cm of interval. Moderate patches of magnetite/magnetite veins up to 2 cm and patchy zones disseminated. Minor patchy chalcopyrite within strongly silicified pyroxene skarn.							
						MD	OR					
						MD	GN					
						DK	OR	MA	OXI	3I	Mg	5
50.29	51.00	0.71	SKN	FG	Semi-massive magnetite skarn with relict pyroxene with magnetite alteration. Trace chalcopyrite found disseminated. Moderate calcite veins found locally.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	BL	MA	---	--	Cp	0.1
51.00	55.63	4.63	SKN	FG	Massive, light green pyroxene-actinolite skarn with blebs of chlorite up to 1 cm found sporadically throughout. Black pock marks pervasive. Minor calcite veinlets pervasive. Oxide stain on fractures. A 60 cm interval of moderately to strongly oxidized skarn in centre of interval. Last 2.30 metres of moderate silicified fine grained pyroxene skarn hosting dark grey fine grained sulphides? Found as blebs up to 0.5 cm and patchy/stringers found locally (1%). Moderate light to medium grey quartz veins pervasive.							
						LT	GN	MA	OXI	1I	--	0
55.63	60.89	5.26	HBS	FG	Well foliated, light grey to dark grey-purple to medium orange hornfels-biotite schist. Interval is variably silicified and most of the interval is moderately oxidized along surface of core and along fractures. Last 50 cm is well foliated dark green and white.							
						MD	OR					
						LT	GY		SIL	2I		
						DK	GY	FO	OXI	2I	--	0
						DK	PU					
60.89	66.13	5.24	SKN	FG	Massive, medium to light green pyroxene+/-actinolite skarn with intermittent intervals of semi-massive to pyroxene-magnetite skarn. Magnetite skarn hosts relict actinolite and tremolite? In patches locally. Also see light green fluorite? Within spotted magnetite skarn with magnetite ranging from 1 mm to 1 cm with interstitially fluorite (70% magnetite 30% fluorite). A 20 cm interval of patchy oxide and magnetite with chalcopyrite up to 3%. Minor malachite on fractures within more oxidized zones locally. Weak hematite alteration of magnetite locally.							
						MD	GN	MA	HEM	1I	Cp	0.1
						MD	OR					
						--	BL					
						--	WH					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
66.13	79.62	13.49	SKN	FG	Medium to dark green, fine grained, well banded pyroxene-actinolite>>garnet skarn. Minor chalcopyrite is found disseminated locally. Garnet is found locally as bands and mottled textures (trace). Minor calcite veins up to 1 cm found locally. A 1 m long zone of ankerite -calcite flooded/altered zone within well banded pyroxene-actinolite skarn. Between 74.05 and 76.33 is a zone of strongly oxidized and weakly quartz-carb breccia cutting core at about 15 degrees to core axis. Brecciated areas are crackle brecciated to mosaic brecciated with strong fine grained oxide matrix hosting moderately oxidized skarn? Clasts.							
						MD	GN	BN	---	0I	--	0
						LT	PK					
						DK	GN		---	0I		
79.62	81.80	2.18	HBS	FG	Light grey to dark grey, well foliated hornfels-biotite schist. Interval is moderately bleached and patchy and weakly oxidized at top of interval on surface of unaltered hornfels-biotite schist. A 20 cm zone of strongly silicified hornfels-biotite (light grey).							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
81.80	84.48	2.68	SKN	FG	Medium to dark green, fine grained, well banded pyroxene-actinolite>>garnet skarn. Minor chalcopyrite is found disseminated locally. Garnet is found locally as bands and mottled textures (trace). Minor calcite veins up to 1 cm found locally. No magnetite and weak to moderate epidote altered.							
						MD	GN	BN	EPI	2I	Cp	0.01
						MD	GY					
91.84	92.25	0.41	GRD	MG	Medium grey, equigranular hornblende-biotite granodiorite. Interval is moderately fractured. Minor feldspar crystals up to 1 cm.							
						MD	GY	EQ	CHL	1I	--	0
								PO				
92.25	93.84	1.59	SKN	FG	Variably pyroxene to pyroxene-actinolite skarn with minor bands of garnet found locally. Sporadic zones of moderate ankerite alteration found as irregular patches up to 5 cm wide within pyroxene-actinolite skarn. Trace chlorite alteration found locally. Last 30 cm is rubbly/ground up.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	---	0I	--	0
						LT	PK					
						DK	GN	BN	---	0I		
93.84	99.37	5.53	GRD	MG	Medium grey hornblende-biotite granodiorite. Border phase of felsic-feldspar porphyry dyke and granodiorite. First 25 cm is strongly oxidized and weakly gougy. The remainder of interval is variably fractured with a string of solid core for about 75 cm.							
						MD	GY	PO	OXI	2I	--	0
						MD	OR					
99.37	100.70	1.33	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Abundant bleaching of core found along fractures and as irregular patches. Moderate oxide staining on fractures.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
100.70	102.60	1.90	SKN	FG	Pyroxene-actinolite skarn (first 20 cm is a dark green pyroxene-actinolite skarn which abruptly changes into light green massive calc-silicate with minor calcite veinlets pervasive. A 10 cm interval of dark grey to light grey hornfels-biotite schist found intermittently. No visible mineralization.							
						LT	GN	MA	---	0I	--	0
						DK	GN		---	0I		
102.60	105.16	2.56	HBS	FG	Light grey to dark grey, strongly silicified hornfels-biotite schist. Weakly foliated - appears the silica alteration has eliminated much of the foliation, but still relict foliation is found locally. A 10 cm wide tremolite?-magnetite skarn found within the interval. Hornfels-biotite schist exhibits weak to moderate oxide stain on core and along fractures.							
						MD	OR					
						LT	GY	FO	SIL	4I	--	0
						DK	GY		OXI	2I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
105.16	105.95	0.79	SKN	FG	Massive pyroxene-actinolite skarn with a 20 cm interval of pyroxene-actinolite-magnetite-pyrrhotite skarn with variably foliated/banded textures. Calcite veins up to 1 cm periodically. Last 10 cm of interval is moderately oxidized and weakly brecciated with calcite veins and hosts a 5 x 2 cm patch of magnetite-pyrite-actinolite skarn (relict - remainder is strongly oxidized and calcite altered).							
						MD	GN	BN				
						DK	GN	MA	OXI	1I	--	0
						--	BL					
105.95	109.12	3.17	HBS	FG	Light grey to dark grey, moderately silicified hornfels-biotite schist. Weakly foliated - appears the silica alteration has eliminated much of the foliation, but still relict foliation is found locally.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY					
109.12	110.91	1.79	SKN	FG	Massive to banded pyroxene>>garnet-actinolite skarn. Bands of garnet found locally and are offset by quartz-chlorite veins at 10 degrees to core axis with offsets of about 2 cm. Trace blebby medium grained to fine grained chalcopyrite and pyrrhotite found locally.							
						MD	GN	BN			Po	0.01
						LT	PK					
						DK	GN	MA	---	--	Cp	0.01
110.91	112.38	1.47	HBS	FG	Light grey to dark grey, moderately foliated, strongly silicified hornfels-biotite schist for first metre of interval and grades into fresh hornfels-biotite schist (but wavy). Moderately oxidized in most fractures and strongly oxidized for last 5 cm of interval at contact with skarn. Within silicified hornfels-biotite schist, moderate sericite alteration of remaining biotite.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY		SER	1I		
						DK	GN					
112.38	114.11	1.73	SKN	FG	massive dark green to medium green pyroxene-actinolite skarn for first metre of interval and grades into pyroxene>garnet-actinolite skarn with garnet weakly chlorite altered. Last 50 cm are bleached at contact with granodiorite. No visible mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	Mo				
						DK	GN	MA	---	0I	--	0
114.11	119.54	5.43	GRD	MG	Medium grey, equigranular hornblende-biotite granodiorite with hornblende and biotite going to chlorite.							
						MD	GY	EQ	PRO	3I	--	0
119.54	121.07	1.53	SKN	FG	Banded dark grey and light green pyroxene-actinolite>>garnet for first half of interval and grades into strongly silicified tremolite>>actinolite skarn with siliceous light grey bands representing about 60% of interval and skarn found as patches and bands. Pyroxene-actinolite skarn hosts 1% chalcopyrite disseminated - non magnetite.							
						LT	GY	BN	SIL	3I	--	0
						LT	GN					
						DK	GN				Cp	0.1
121.07	126.63	5.56	HBS	FG	Strongly silicified, light grey to dark grey hornfels-biotite schist. Intermittent with dark-grey-purple well foliated hornfels-biotite schist. Strongly silicified hornfels-biotite schist makes up about 30% of interval and is weakly foliated light grey with minor dark grey foliated bands. Dark grey-purple-light grey hornfels-biotite schist hosts minor quartz bands up to 2 cm and found along foliation. A 2 cm wide pyroxene-actinolite>>garnet band hosts medium grained blebby chalcopyrite (1%).							
						LT	GY	FO	SIL	4I	--	0
						DK	GY		OXI	1I		
						DK	PU					
126.63	135.06	8.43	SKN	FG	Dark to medium green and light pink, well banded pyroxene-actinolite>garnet skarn with intermittent light to medium grey silica bands pervasive (10% of interval). No visible mineralization. Trace epidote alteration on bands and weak garnet to chlorite alteration. Local areas of mottled pyroxene>garnet skarn.							
						MD	GN	Mo	EPI	1I		
						LT	PK					
						LT	GY					
						DK	GN	BN	SIL	4I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
135.06	135.95	0.89	SKN	MG	Light grey tremolite skarn +/-actinolite. Banded to wavy bands of medium green actinolite skarn making up about 10% of interval and found sporadically.							
						MD	GN		---	0I		
						LT	GY	BN	---	0I	--	0
135.95	141.79	5.84	SKN	FG	Dark to medium green and light pink, well banded pyroxene-actinolite>garnet skarn with intermittent light to medium grey silica bands pervasive (5% of interval). No visible mineralization. Trace epidote alteration on bands and weak garnet to chlorite alteration. Local areas of mottled pyroxene>garnet skarn. Minor intervals of hornfels-biotite schist found periodically.							
						MD	GN	BN	EPI	1I	--	0
						LT	PK	Mo	SIL	2I		
141.79	145.52	3.73	RHY	FG	Light grey to light green, massive rhyolite dyke with fine grained disseminated black needle-like minerals up to 0.5 mm long randomly oriented and representing 1% of interval.							
						LT	GY	MA	---	--	--	0
						LT	GN					
145.52	149.31	3.79	HBS	FG	Dark grey to light grey to dark purple, well foliated hornfels-biotite schist with moderate oxide staining along fractures and weak oxide staining on core locally. Moderate chlorite veinlets found pervasively with bleaching selvages up to 0.5 mm. Intermittent zones of tremolite>actinolite skarn (massive) up to 20 cm representing about 20% of interval.							
						MD	GN		OXI	1I		
						LT	GY					
						DK	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
149.31	151.36	2.05	SKN	FG	Banded, medium green to light pink pyroxene-actinolite>garnet skarn and massive tremolite>actinolite skarn. Tremolite>actinolite skarn is massive, light grey to light green and massive to foliated for first 50 cm. Pyroxene-actinolite>garnet skarn host the remainder of the interval and contains medium moderate light grey silica bands intermittently. Minor calcite veinlets (variably oxidized) found locally. Minor chlorite alteration of garnet to chlorite periodically.							
						MD	GN	BN	SIL	2I	--	0
						LT	PK	MA				
151.36	152.94	1.58	HBS	FG	Well foliated, light grey to medium grey to light green to tan hornfels-biotite schist. Variably strongly to weakly silicified and sericite altered. A 5 cm wide sinuous light grey to milky white quartz band(nearly 90 degrees to core axis) within interval.							
						MD	GY		SER	2I		
						LT	GY	FO	SIL	3I	--	0
						LT	BN					
						--	TN					
152.94	153.32	0.38	SKN	FG	Banded, medium green to light pink pyroxene-actinolite>garnet skarn. Minor calcite veinlets (variably oxidized) found locally. Minor chlorite alteration of garnet to chlorite periodically.							
						MD	GN	BN	CHL	1I	--	0
						LT	PK	MA				
153.32	156.06	2.74	HBS	FG	Dark grey to light grey to dark purple, well foliated hornfels-biotite schist. A 15 cm wide light grey to white quartzite interval within. Minor oxide staining on core and along fractures. Minor calcite +/-chlorite veinlets pervasive.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
156.06	156.85	0.79	SKN	FG	Dark to medium green to light pink mottled pyroxene-actinolite>garnet skarn. Minor calcite veinlets with or without oxide staining along selvages. Trace tremolite is found as discontinuous bands/blebs sporadically.							
						MD	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	Mo	---	--	--	0
156.85	158.10	1.25	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent pyroxene-actinolite-tremolite>>garnet skarn. Minor calcite veinlets within skarn hosting fine grained trace sulphides. Trace chlorite veinlets/seams and alteration of skarn.							
						LT	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I	--	0
158.10	161.09	2.99	SKN	FG	Dark grey to medium green, massive to foliated/banded pyroxene-actinolite-chlorite-pyrrhotite skarn. Pyrrhotite is found as blebs/patches as well ass dendritic to patchy over a 20 cm zone. Pyrrhotite skarn represents about 50% of the interval. The remainder of interval hosts pyroxene-actinolite-biotite, moderately foliated skarn and massive pyroxene-actinolite skarn (unmineralized). Chalcopyrite is found as stringers and blebs within pyrrhotite skarn and within pyrrhotite bands and patches.							
						MD	GN	FO			Po	5
						DK	GN	MA	CHL	2I	Cp	0.1
								BN				
161.09	162.11	1.02	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent intervals of variably weak to moderately chlorite altered hornfels-biotite schist. Miner chlorite/oxide seams pervasive and bleached selvages up to 0.5 cm.							
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
162.11	167.82	5.71	SKN	FG	Pyroxene-actinolite-chlorite>>garnet skarn. Garnet is found locally, while most of the interval is pyroxene-actinolite+/-chlorite skarn. Minor zones of patchy/blebby pyrrhotite found sporadically. Massive pyroxene-actinolite-chlorite skarn hosts irregular bands of fine to medium grained pyrite up to 1 x 3 cm as well as within stringers. Pyrite veins are up to 2 cm. Pyrrhotite - pyrite zones generally have a strong chlorite association and looks like black pock marks. Trace chalcopyrite found associated with pyrrhotite and within a zone of garnet and epidote alteration.							
						LT	PK	Mo			Po	0.1
						DK	GN	MA	CHL	1I	Py	1
											Cp	0.01
167.82	169.41	1.59	GRD	MG	Dark to medium green, moderately to strongly endoskarned granodiorite. Hosts patchy pyrrhotite up to 2 x 4 cm (fine grained) with disseminated chalcopyrite associated with pyrrhotite. Feldspars weakly clay altered. Moderate epidote alteration found locally. Trace k-spar alteration of feldspars locally.							
						MD	GN				Cp	0.1
						DK	GN	---	EPI	2I	Po	2
169.41	172.03	2.62	SKN	FG	Dark green to medium green pyroxene-actinolite-pyrrhotite>>garnet skarn occurs for first 2 m of interval and grades into medium green pyroxene-actinolite skarn with moderate chlorite veinlets cutting core at 20 degrees to core axis. Minor black pock marks within this interval. First 2 m of interval (pyroxene-act-pyrrhotite>>garnet) hosts fine to medium grained blebs of chalcopyrite associated with pyrrhotite, while medium grained blebby pyrite found along fractures. A more dark grey-green banded actinolite-pyrrhotite? Skarn is about 1 m long and lies between pyroxene-actinolite-pyrrhotite>>garnet skarn and pyroxene-actinolite skarn. Moderate chlorite-pyrite veins/veinlets pervasive.							
						MD	GN				Cp	0.5
						LT	GY				Po	1
						DK	GN	MA	CHL	2I	Cp	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
172.03	174.12	2.09	SKN	FG	Light grey tremolite-magnetite skarn. Magnetite found as patches/spotty shotgun-like textures with magnetite going to pyrrhotite? Or within the magnetite-pyrrhotite halo. (70% magnetite, 30% pyrrhotite). Trace chalcopyrite found weakly as blebs.							
						MD	GY	MA	---	--	Cp	0.1
						MD	GN				Mg	20
						--	BL				Po	5
174.12	178.31	4.19	HBS	FG	Dark grey to purple to light grey, fine grained, well foliated hornfels-biotite schist. Moderate quartz+/-calcite veinlets pervasive and cut core at 40 to 60 degrees to core axis. Minor oxide staining along seams and fractures throughout.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
178.31	183.78	5.47	GRD	MG	Medium grey hornblende-biotite granodiorite dyke, variably altered to chlorite-sericite within centre of interval, which hosts minor m veinlets. Dark grey-green chilled margins for 1 m on either side of contact. Minor oxide along fractures and seams pervasively.							
						MD	GY	EQ	CHL	1I	--	0
						LT	GN					
						DK	GY		SER	1I		
						DK	GY					
183.78	194.91	11.13	HBS	FG	Dark grey-purple to light grey, variably silicified hornfels-biotite schist. First 3 m are moderately to strongly silicified and lighter grey relative to the rest of the interval. Last 3 m of interval hosting thin horizons of pyroxene+/-garnet skarn, but minor. Local zones with circular garnets up to 1 cm found along foliation of fresh hornfels-biotite schist.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY	BN				
194.91	200.59	5.68	MBL	MG	Well banded to foliated, dominantly light grey with dark grey bands with intermittent horizons of massive medium green pyroxene-actinolite skarn up to 15 cm and representing about 10% of interval. No visible mineralization. Interval is moderately silicified pervasively							
						LT	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	BN				
200.59	204.25	3.66	SKN	FG	Massive to mottled dark green pyroxene-actinolite-pyrrhotite>garnet skarn hosting patchy and blebby pyrrhotite pervasively. Moderately to strongly calcite veined and ankerite flooding over a 30-40 cm interval. Moderate to strong chlorite alteration of garnets - pink to dark green. Chalcopyrite is found as blebs, but trace throughout interval, generally in areas of abundant pyrrhotite.							
						LT	PK	Mo				
						DK	GN	MA	---	0I	--	0
204.25	208.93	4.68	SKN	FG	Medium green to light grey, well foliated to banded pyroxene-actinolite to calc-silicate to marble. Calc-silicate and marble represents half of the interval and generally near the bottom contact. Pyroxene-actinolite skarn is medium green and hosts trace garnet locally.							
						MD	GN	FO	---	0I	--	0
						LT	GY	BN				
208.93	209.87	0.94	GRD	MG	Light grey to medium grey hornblende-biotite granodiorite with the centre of interval (50 cm cm) is very strongly silicified and light grey. Minor bleached white veinlets pervasive.							
						MD	GY	EQ	SIL	3I	--	0
						LT	GY					
209.87	210.99	1.12	SKN	FG	Mottled and banded to foliated pyroxene-actinolite+/-pyrrhotite skarn. Interval appears weakly to moderately silicified. Contact hosts up to 2% chalcopyrite over 5 cm (medium grained blebs). Light grey quartz vein up to 1 m hosts fine grained to medium grained blebby pyrrhotite and chalcopyrite. Last 10 cm of interval is bleached.							
						MD	GN	FO	BLE	1I	Cp	0.01
								BN			Po	0.1
210.99	214.82	3.83	HBS	FG	Approximately 50% dark grey to purple light grey hornfels-biotite schist with a 30 cm wide massive pyroxene-actinolite-pyrrhotite skarn hosting trace chalcopyrite. Weak calcite-pyrrhotite+/-chalcopyrite veinlets found locally within skarn. Hornfels-biotite schist is weakly chlorite altered locally.							
						LT	GY					
						DK	GY	FO	CHL	1I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN					
214.82	215.06	0.24	FAP	CG	Dark grey-green, feldspar andesite porphyry dyke. Feldspar phenocrysts up to 1 cm.							
						DK	GN	PO	---	0I	--	0
						DK	GY					
215.06	223.23	8.17	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. One intermittent quartzite interval up to 15 cm.							
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	GN					
						DK	PU					
223.23	223.73	0.50	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						LT	GY	MA	---	0I	--	0
						--	WH		---	0I		
223.73	230.86	7.13	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation.							
						LT	GY	MA	---	0I	--	0
						--	WH					
230.86	231.58	0.72	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						LT	GY	MA	---	0I	--	0
						--	WH					
231.58	243.57	11.99	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. Abundant dark purple garnets up to 0.5 cm found along foliation locally.							
						LT	GY					
						DK	PU	FO	CHL	1I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
243.57	248.40	4.83	SKN	FG	Intermittent actinolite-biotite skarn, pyroxene-actinolite-biotite skarn, pyroxene-actinolite-pyrrhotite skarn and pyroxene-actinolite>garnet skarn. Each type of skarn represents about 30% of interval of the interval with intermittent quartzite horizons up to 20 cm. Pyroxene-actinolite-biotite skarn hosts trace fine to medium grained tremolite and trace blebby pyrrhotite within bleached/silicified veins/patches. Pyroxene-actinolite skarn hosts blebby pyrrhotite and pyrite veinlets up to 0.5 cm cutting core at 5 degrees to core axis. Patchy and blebs of pyrrhotite associated with trace fine to medium grained chalcopyrite. Pyroxene-actinolite>garnet skarn is mottled and garnet is variably chlorite altered. Trace tremolite also within interval and disseminated locally.							
						MD	GN	BN			Po	1
						LT	PK	Mo				
						DK	GN	MA	---	0I	Cp	0.01
248.40	276.50	28.10	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. Abundant dark purple garnets up to 0.5 cm found along foliation locally. Trace pyroxene skarn (thin horizons). A light grey quartz vein up to 10 cm wide hosts patchy chlorite? Up to 1 x 1 cm.							
						LT	GY					
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I		
276.50	277.39	0.89	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						LT	GY	MA	---	0I	--	0
						--	WH					
277.39	282.29	4.90	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
282.29	282.80	0.51	FAP	CG	Moderately to strongly argillic altered, light grey to light green to white felsic feldspar porphyry dyke?. Argillic alterations so strong that rock type is unknown, but intrusive/porphyritic. Minor blebs of patchy pyrite(fine to medium grained).							
						LT	GY	PO	ARG	4I	--	0
						LT	GN					
282.80	283.86	1.06	HBS	FG	Light grey to dark grey, very strongly silicified hornfels-biotite schist with patchy/chlorite veins hosting blebby pyrite. Foliation is nearly non-existent.							
						LT	GY					
						DK	GY	FO	SIL	5I	--	0
283.86	284.02	0.16	FFP	CG	Moderately to strongly argillic altered, light grey to light green to white felsic feldspar porphyry dyke?. Argillic alterations so strong that rock type is unknown, but intrusive/porphyritic. Minor blebs of patchy pyrite(fine to medium grained).							
						LT	GN	PO	ARG	4I	--	0
						LT	GY					
						--	WH					
284.02	289.29	5.27	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. A 20 cm interval of strong sericite-clay altered hornfels-biotite schist with dark grey to light grey quartz matrix supported breccia with dark grey to medium grey angular clasts up to 1 x 1 cm. Dark grey silicified bands (<1 mm wide, but dense making up 3 cm wide veined zones) locally.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
						DK	PU					
289.29	298.03	8.74	FAP	CG	Dark grey-green feldspar andesite porphyry dyke with medium grained hornblende pervasive. Feldspars are moderately altered to epidote. Minor chlorite veins. Pervasive calcite veinlets occur periodically and found on fractures.							
						DK	GN	PO	EPI	2I	--	0
						DK	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
298.03	301.46	3.43	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with calcite veins up to 0.5 cm and 3 per metre. Last 50 cm of interval is strongly calcite veined/brecciated with patchy pyrite up to 1 x 4 cm +/-chalcopyrite. Breccia is matrix supported and comprises white calcite and nearly massive in nature.							
						LT	GY		---	0I		
						DK	GY	FO	---	0I	--	0
						DK	PU					
301.46	306.12	4.66	SKN	FG	Light pink to dark green garnet>pyroxene skarn for first 2 m and grades into medium to dark green pyroxene-actinolite-chlorite-pyrrhotite-magnetite skarn. The last 50 cm is strongly calcite veined/flooded with magnetite-pyrrhotite sinuous veins along foliation/bands. Garnet>pyroxene skarn is a tan to almond green (altered garnet or just different chemistry of garnet?) with abundant calcite-ankerite chalcedonic veins with dark grey selvages and selvages of fine to medium grained semi-massive pyrite (up to 0.5 cm wide). Pyroxene-actinolite-chlorite-pyrrhotite-magnetite skarn is variable along its interval with more po-magnetite found locally. These areas generally have higher concentrations of chalcopyrite.							
						LT	GN				Cp	0.5
						DK	GN	MA			Po	5
						--	TN	BN	---	0I	Mg	5
						--	BL				Py	1
306.12	336.03	29.91	HBS	FG	Light grey to dark grey to dark purple, well foliated hornfels-biotite schist. Minor horizons of light green pyroxene skarn found locally and up to 10 cm+/-tan to almond green garnet. Fractures host fine grained blebby pyrite up to 1.5 x 1.5 cm. Minor chlorite veinlets at 30 degrees to core axis. Minor quartzite horizons with quartz veins creating ductile folding/textures of hornfels-biotite schist adjacent to them. A 60 cm calcite/ankerite flooded zone with patchy fine grained pyrite up to 5 x 2 cm is brecciated with strong chlorite and sericite alteration. Breccia is mosaic to crackle with calcite/ankerite matrix with altered hornfels-biotite schist clasts (angular).							
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY	FO	SIL	3I	--	0
						DK	PU					
336.03	336.93	0.90	SKN	FG	Pyroxene-actinolite-ankerite skarn with patchy to irregular banded. Minor intermittent laths of dark grey to light grey hornfels-biotite schist up to 2 x 5 cm. Last 10 cm of interval hosts disseminated to patchy pyrrhotite-chalcopyrite-pyrite.							
						MD	GN	BN	---	0I	Cp	0.01
						LT	PK				Po	0.1
						--	TN				Py	0.01
336.93	345.75	8.82	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 10 cm). Mottled pyroxene>garnet skarns+/-moderate epidote alteration. Strong silicified areas of hornfels-biotite schist found locally and are light grey, variably foliated and bands of strong epidote alteration are abundant in these zones.							
						LT	GY					
						DK	GY	FO	SIL	3I	--	0
						DK	PU					
345.75	346.30	0.55	QTE	MG	Light grey to white quartzite with up to 5% laths of medium grained hornfels-biotite schist "pervasive impurities".							
						LT	GY	MA	---	0I	--	0
						--	WH					
346.30	352.38	6.08	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 10 cm). Strong silicified areas of hornfels-biotite schist found locally and are light grey, variably foliated and bands of strong epidote alteration are abundant in these zones.							
						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.
352.38	352.66	0.28	SKN	FG	Massive to mottled pyroxene-actinolite+/- magnetite skarn hosting weak chalcopyrite (1%). Moderate calcite-chlorite and chlorite-pyrite veinlets pervasive.							
						MD	GN				Po	10
						DK	GN	MA	---	0I	Cp	1
											Py	1
352.66	354.02	1.36	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Strong silicified areas of hornfels-biotite schist found locally and are light grey.							
						LT	GY					
						DK	PU	FO	---	0I	--	0
						DK	GY		---	0I		
354.02	356.20	2.18	SKN	FG	First 90 cm is strong chlorite and sericite altered hornfels-biotite schist and interbedded speckled chlorite-ankerite skarn up to 15 cm (70% hornfels-biotite schist and 30% skarn). This interval is followed by a 1.3 m interval of mosaic breccia comprising light to medium grey fine to medium grained calcareous matrix hosting skarn and schist clasts ranging from 0.5 x 0.5 cm up to 3 x 2 cm. Clasts are angular to sub angular and are rimmed by 0.5 cm ankerite, which is rimmed by dark grey < 1 mm lines hosting fine grained pyrite. Skarn within the interval is chlorite-pyroxene and ankerite-pyroxene and hosts blebby chalcopyrite.							
						MD	GN	BX	CHL	3I	Cp	0.01
						LT	GY					
						DK	GY					
						--	TN	FO	SER	3I		
356.20	360.79	4.59	HBS	FG	2 m of interval is strongly sericite and silica altered, well foliated hornfels biotite schist (likely alteration from a breccia zone). Remainder of interval is dark grey to light grey, well foliated hornfels-biotite schist with last 30 cm of interval moderately sericite and variably epidote altered.							
						LT	GY	FO	SER	2I	--	0
						DK	GY		SIL	2I		
						--	TN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
360.79	362.01	1.22	SKN	FG	Mottled to banded to spotted ankerite-pyroxene-actinolite>garnet skarn for first 20 cm. Skarn hosts blebby/spotty pyrite and chalcopyrite altering ankerite? Remainder of interval is pyroxene-actinolite-chlorite-pyrrhotite skarn, which is moderately banded to mottled with disseminated chalcopyrite pervasively with patchy to disseminated pyrrhotite. Last 5 cm hosts white calcite-ankerite band with chlorite laths/veins up to 0.25 cm+/- blebby chalcopyrite.							
						MD	GN	BN			Po	5
						LT	PK					
						DK	GN	Mo	---	0I	Cp	1
						--	TN				Py	3
362.01	371.48	9.47	HBS	FG	Light grey to green to tan, variably silicified, sericite and chlorite altered hornfels-biotite schist. Moderate quartz-veining found locally and up to 10/m. A 30 cm zone of moderate chlorite alteration with weak clay alteration along fractures.							
						LT	GY	FO	SER	2I	--	0
						LT	GN		EPI	1I		
						DK	PU		SIL	2I		
						DK	GY					
						--	TN		CHL	2I		
371.48	371.89	0.41	FAP	CG	Dark-grey to green feldspar andesite porphyry dyke with feldspar phenocrysts up to 0.5 cm. Medium grey calcareous veins hosting blebby fine grained pyrite with light grey to white calcite selvages (up to 1.5 cm with up to 3 cm bleached selvages.							
						DK	GY	PO	BLE	1I	--	0
						DK	GN					
371.89	373.38	1.49	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderately silicified locally.							
						LT	GY					
						DK	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	44.92	44.92	HBS	FG	Dark grey-purple to light grey, well foliated hornfels-biotite schist. Oxide stain is usually found on fractures pervasively and locally along core. Strongly fractured fault zones are found periodically and up to 6 m wide. Strong silicified hornfels-biotite schist is found sporadically and is light grey. Light grey quartz veins up to 1 cm along foliation locally. Skarn near the top of the hole is intermittently over a 1 m interval with 70% HBS and 30% skarn. Skarn is pyroxene-actinolite and missive to foliated. No visible mineralization. Minor bleached stringers locally.							
						LT	GY					
						DK	PU		OXI	2I		
						DK	GY	FO	SIL	3I	--	0
44.92	49.49	4.57	AND	FG	Dark grey-green to medium orange, highly fractured andesite with trace malachite found along fractures locally. Minor strongly silicified hornfels-biotite schist found as rubbly throughout the interval, but dominantly andesite. Zone is so fractured - unable to obtain contacts. Last 1.5 m of interval is strongly fractured, weakly oxidized and a lighter brown to green altered andesite. Last 10 cm is strongly oxidized with 5% goethite.							
						DK	GN	MA	OXI	2I	--	0
						DK	GY					
49.49	55.63	6.14	SKN	FG	Strongly oxidized to strongly silicified light green pyroxene skarn with patches of magnetite/magnetite veins up to 3 cm. Also light green pyroxene-chlorite skarn with blebs of chlorite up to 1 cm and black pock marks pervasively.							
						--	BL					
						LT	GN	MA	---	0I	--	0.01
						MD	GN	BN				
						MD	OR					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
55.63	60.89	5.26	HBS	FG	Well foliated, light grey to dark grey-purple to medium orange hornfels-biotite schist. Interval is variably silicified and most of the interval is moderately oxidized along surface of core and along fractures. Last 50 cm is well foliated dark green and white.							
						LT	GY		SIL	2I		
						MD	OR					
						DK	PU					
						DK	GY	FO	OXI	2I	--	0
60.89	79.62	18.73	SKN	FG	Intermittent massive pyroxene+/-actinolite skarn with intermittent semi-massive magnetite-skarn to pyroxene-magnetite skarn; well banded pyroxene-actinolite>>garnet skarn.							
						MD	GN	MA	---	0I	Cp	0.01
						DK	GN	BN	---	0I		
						--	WH					
						MD	OR					
						LT	PK					
79.62	81.80	2.18	HBS	FG	Light grey to dark grey strongly silicified and moderately sericite and well foliated hornfels-biotite schist. Moderate oxide on calcite veinlets and trace garnets up to 0.5 cm diameter along foliation.							
						LT	GY					
						DK	GY	FO	SIL	4I	--	0
81.80	84.48	2.68	SKN	FG	Medium to dark green, fine grained, well banded pyroxene-actinolite>>garnet skarn. Minor chalcopyrite is found disseminated locally. Garnet is found locally as bands and mottled textures (trace). Minor calcite veins up to 1 cm found locally. No magnetite and weak to moderate epidote altered.							
						MD	GY					
						MD	GN	BN	EPI	2I	Cp	0.01
86.01	91.84	5.83	SKN	FG	Dominantly massive medium green to dark green pyroxene-actinolite skarn. Variably banded locally. Well banded areas also host sporadic garnet bands locally Minor patches of ankerite blebs up to 3 x 3 cm. Calcite veins range from fresh to moderately oxidized. No visible mineralization.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GN	MA	ANK	2I	Cp	0.01
						DK	GN	BN				
91.84	92.25	0.41	GRD	MG	Medium grey, equigranular hornblende-biotite granodiorite. Interval is moderately fractured. Minor feldspar crystals up to 1 cm.							
						MD	GY	EQ	CHL	1I	--	0
								PO				
92.25	93.84	1.59	SKN	FG	Variably pyroxene to pyroxene-actinolite skarn with minor bands of garnet found locally. Sporadic zones of moderate ankerite alteration found as irregular patches up to 5 cm wide within pyroxene-actinolite skarn. Trace chlorite alteration found locally. Last 30 cm is rubbly/ground up.							
						MD	GN	MA	---	0I	--	0
						LT	PK					
						DK	GN	BN	---	0I		
93.84	99.37	5.53	GRD	MG	Medium grey hornblende-biotite granodiorite. Border phase of felsic-feldspar porphyry dyke and granodiorite. First 25 cm is strongly oxidized and weakly gougy. The remainder of interval is variably fractured with a string of solid core for about 75 cm.							
						MD	OR					
						MD	GY	PO	OXI	2I	--	0
99.37	100.70	1.33	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Abundant bleaching of core found along fractures and as irregular patches. Moderate oxide staining on fractures.							
						DK	GY	FO	OXI	1I	--	0
						LT	GY					
100.70	102.60	1.90	SKN	FG	Pyroxene-actinolite skarn (first 20 cm is a dark green pyroxene-actinolite skarn which abruptly changes into light green massive calc-silicate with minor calcite veinlets pervasive. A 10 cm interval of dark grey to light grey hornfels-biotite schist found intermittently. No visible mineralization.							
						LT	GN	MA	---	0I	--	0
						DK	GN		---	0I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
102.60	105.16	2.56	HBS	FG	Light grey to dark grey, strongly silicified hornfels-biotite schist. Weakly foliated - appears the silica alteration has eliminated much of the foliation, but still relict foliation is found locally. A 10 cm wide tremolite?-magnetite skarn found within the interval. Hornfels-biotite schist exhibits weak to moderate oxide stain on core and along fractures.							
						DK	GY		OXI	2I		
						MD	OR					
						LT	GY	FO	SIL	4I	--	0
105.16	105.95	0.79	SKN	FG	Massive pyroxene-actinolite skarn with a 20 cm interval of pyroxene-actinolite-magnetite-pyrrhotite skarn with variably foliated/banded textures. Calcite veins up to 1 cm periodically. Last 10 cm of interval is moderately oxidized and weakly brecciated with calcite veins and hosts a 5 x 2 cm patch of magnetite-pyrite-actinolite skarn (relict - remainder is strongly oxidized and calcite altered).							
						--	BL					
						DK	GN	MA	OXI	1I	--	0
						MD	GN	BN				
105.95	109.12	3.17	HBS	FG	Light grey to dark grey, moderately silicified hornfels-biotite schist. Weakly foliated - appears the silica alteration has eliminated much of the foliation, but still relict foliation is found locally.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY					
109.12	110.91	1.79	SKN	FG	Massive to banded pyroxene>>garnet-actinolite skarn. Bands of garnet found locally and are offset by quartz-chlorite veins at 10 degrees to core axis with offsets of about 2 cm. Trace blebby medium grained to fine grained chalcopyrite and pyrrhotite found locally.							
						DK	GN	MA	---	--	Cp	0.01
						LT	PK					
						MD	GN	BN			Po	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
110.91	112.38	1.47	HBS	FG	Light grey to dark grey, moderately foliated, strongly silicified hornfels-biotite schist for first metre of interval and grades into fresh hornfels-biotite schist (but wavy). Moderately oxidized in most fractures and strongly oxidized for last 5 cm of interval at contact with skarn. Within silicified hornfels-biotite schist, moderate sericite alteration of remaining biotite.							
						DK	GY		SER	1I		
						LT	GY	FO	SIL	3I	--	0
						DK	GN					
112.38	114.11	1.73	SKN	FG	massive dark green to medium green pyroxene-actinolite skarn for first metre of interval and grades into pyroxene>garnet-actinolite skarn with garnet weakly chlorite altered. Last 50 cm are bleached at contact with granodiorite. No visible mineralization.							
						MD	GN	Mo				
						DK	GN	MA	---	0I	--	0
114.11	119.54	5.43	GRD	MG	Medium grey, equigranular hornblende-biotite granodiorite with hornblende and biotite going to chlorite.							
						MD	GY	EQ	PRO	3I	--	0
119.54	121.07	1.53	SKN	FG	Banded dark grey and light green pyroxene-actinolite>>garnet for first half of interval and grades into strongly silicified tremolite>>actinolite skarn with siliceous light grey bands representing about 60% of interval and skarn found as patches and bands. Pyroxene-actinolite skarn hosts 1% chalcopyrite disseminated - non magnetite.							
						LT	GY	BN	SIL	3I	--	0
						DK	GN				Cp	0.1
						LT	GN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
121.07	126.63	5.56	HBS	FG	Strongly silicified, light grey to dark grey hornfels-biotite schist. Intermittent with dark-grey-purple well foliated hornfels-biotite schist. Strongly silicified hornfels-biotite schist makes up about 30% of interval and is weakly foliated light grey with minor dark grey foliated bands. Dark grey-purple-light grey hornfels-biotite schist hosts minor quartz bands up to 2 cm and found along foliation. A 2 cm wide pyroxene-actinolite>>garnet band hosts medium grained blebby chalcopyrite (1%).							
						LT	GY	FO	SIL	4I	--	0
						DK	GY		OXI	1I		
						DK	PU					
126.63	141.79	15.16	SKN	FG	Dark grey to medium green and light pink well banded pyroxene-actinolite>garnet skarn with intermittent light to medium grey silicified bands and light grey medium grained tremolite skarn.							
						MD	GN	BN	---	0I	--	0
						DK	GN	Mo				
141.79	145.52	3.73	RHY	FG	Light grey to light green, massive rhyolite dyke with fine grained disseminated black needle-like minerals up to 0.5 mm long randomly oriented and representing 1% of interval.							
						LT	GN					
						LT	GY	MA	---	--	--	0
145.52	149.31	3.79	HBS	FG	Dark grey to light grey to dark purple, well foliated hornfels-biotite schist with moderate oxide staining along fractures and weak oxide staining on core locally. Moderate chlorite veinlets found pervasively with bleaching selvages up to 0.5 mm. Intermittent zones of tremolite>actinolite skarn (massive) up to 20 cm representing about 20% of interval.							
						MD	GN		OXI	1I		
						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.
149.31	151.36	2.05	SKN	FG	Banded, medium green to light pink pyroxene-actinolite>garnet skarn and massive tremolite>actinolite skarn. Tremolite>actinolite skarn is massive, light grey to light green and massive to foliated for first 50 cm. Pyroxene-actinolite>garnet skarn host the remainder of the interval and contains medium moderate light grey silica bands intermittently. Minor calcite veinlets (variably oxidized) found locally. Minor chlorite alteration of garnet to chlorite periodically.							
						LT	PK	MA				
						MD	GN	BN	SIL	2I	--	0
151.36	152.94	1.58	HBS	FG	Well foliated, light grey to medium grey to light green to tan hornfels-biotite schist. Variably strongly to weakly silicified and sericite altered. A 5 cm wide sinuous light grey to milky white quartz band(nearly 90 degrees to core axis) within interval.							
						LT	BN					
						--	TN					
						LT	GY	FO	SIL	3I	--	0
						MD	GY		SER	2I		
152.94	153.32	0.38	SKN	FG	Banded, medium green to light pink pyroxene-actinolite>garnet skarn. Minor calcite veinlets (variably oxidized) found locally. Minor chlorite alteration of garnet to chlorite periodically.							
						MD	GN	BN	CHL	1I	--	0
						LT	PK	MA				
153.32	156.06	2.74	HBS	FG	Dark grey to light grey to dark purple, well foliated hornfels-biotite schist. A 15 cm wide light grey to white quartzite interval within. Minor oxide staining on core and along fractures. Minor calcite +/-chlorite veinlets pervasive.							
						DK	PU					
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
156.06	156.85	0.79	SKN	FG	Dark to medium green to light pink mottled pyroxene-actinolite>garnet skarn. Minor calcite veinlets with or without oxide staining along selvages. Trace tremolite is found as discontinuous bands/blebs sporadically.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GN	Mo	---	--	--	0
						MD	GN	MA				
156.85	158.10	1.25	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent pyroxene-actinolite-tremolite>>garnet skarn. Minor calcite veinlets within skarn hosting fine grained trace sulphides. Trace chlorite veinlets/seams and alteration of skarn.							
						DK	GY	FO	---	0I	--	0
						DK	PU		---	0I	--	0
						LT	GY					
158.10	161.09	2.99	SKN	FG	Dark grey to medium green, massive to foliated/banded pyroxene-actinolite-chlorite-pyrrhotite skarn. Pyrrhotite is found as blebs/patches as well ass dendritic to patchy over a 20 cm zone. Pyrrhotite skarn represents about 50% of the interval. The remainder of interval hosts pyroxene-actinolite-biotite, moderately foliated skarn and massive pyroxene-actinolite skarn (unmineralized). Chalcopyrite is found as stringers and blebs within pyrrhotite skarn and within pyrrhotite bands and patches.							
						MD	GN	FO			Po	5
								BN				
						DK	GN	MA	CHL	2I	Cp	0.1
161.09	162.11	1.02	HBS	FG	Dark grey to purple to light grey, well foliated hornfels-biotite schist with intermittent intervals of variably weak to moderately chlorite altered hornfels-biotite schist. Miner chlorite/oxide seams pervasive and bleached selvages up to 0.5 cm.							
						DK	PU					
						LT	GY					
						DK	GY	FO	CHL	1I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
162.11	167.82	5.71	SKN	FG	Pyroxene-actinolite-chlorite>>garnet skarn. Garnet is found locally, while most of the interval is pyroxene-actinolite+/-chlorite skarn. Minor zones of patchy/blebby pyrrhotite found sporadically. Massive pyroxene-actinolite-chlorite skarn hosts irregular bands of fine to medium grained pyrite up to 1 x 3 cm as well as within stringers. Pyrite veins are up to 2 cm. Pyrrhotite -pyrite zones generally have a strong chlorite association and looks like black pock marks. Trace chalcopyrite found associated with pyrrhotite and within a zone of garnet and epidote alteration.							
						LT	PK	Mo			Po	0.1
											Cp	0.01
						DK	GN	MA	CHL	1I	Py	1
167.82	169.41	1.59	GRD	MG	Dark to medium green, moderately to strongly endoskarned granodiorite. Hosts patchy pyrrhotite up to 2 x 4 cm (fine grained) with disseminated chalcopyrite associated with pyrrhotite. Feldspars weakly clay altered. Moderate epidote alteration found locally. Trace k-spar alteration of feldspars locally.							
						MD	GN				Cp	0.1
						DK	GN	---	EPI	2I	Po	2
169.41	174.12	4.71	SKN	FG	Pyroxene-actinolite-pyrrhotite>>garnet skarn and tremolite-magnetite skarn.							
						MD	GN	BN			Po	1
						DK	GN	MA	CHL	2I	Cp	0.1
174.12	178.31	4.19	HBS	FG	Dark grey to purple to light grey, fine grained, well foliated hornfels-biotite schist. Moderate quartz+/-calcite veinlets pervasive and cut core at 40 to 60 degrees to core axis. Minor oxide staining along seams and fractures throughout.							
						LT	GY					
						DK	GY	FO	OXI	1I	--	0
						DK	PU					
178.31	183.78	5.47	GRD	MG	Medium grey hornblende-biotite granodiorite dyke, variably altered to chlorite-sericite within centre of interval, which hosts minor m veinlets. Dark grey-green chilled margins for 1 m on either side of contact. Minor oxide along fractures and seams pervasively.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						DK	GY		SER	1I		
						DK	GY					
						MD	GY	EQ	CHL	1I	--	0
						LT	GN					
183.78	194.91	11.13	HBS	FG	Dark grey-purple to light grey, variably silicified hornfels-biotite schist. First 3 m are moderately to strongly silicified and lighter grey relative to the rest of the interval. Last 3 m of interval hosting thin horizons of pyroxene+/-garnet skarn, but minor. Local zones with circular garnets up to 1 cm found along foliation of fresh hornfels-biotite schist.							
						LT	GY	FO	SIL	3I	--	0
						DK	GY	BN				
194.91	200.59	5.68	MBL	MG	Well banded to foliated, dominantly light grey with dark grey bands with intermittent horizons of massive medium green pyroxene-actinolite skarn up to 15 cm and representing about 10% of interval. No visible mineralization. Interval is moderately silicified pervasively							
						LT	GY	FO	SIL	2I	--	0
						DK	GY	BN				
200.59	208.93	8.34	SKN	FG	Intermittent dark green pyroxene-actinolite-pyrrhotite>garnet skarn with moderate to strong calcite veins and ankerite flooding over a 30 cm wide interval. Moderate garnet alters to chlorite and well banded to foliated pyroxene-actinolite skarn grading between skarn and light green to light grey calc-silicate towards the bottom of interval.							
						MD	GN	BN	CHL	2I	--	0
						DK	GN	Mo				
						LT	PK	MA				
208.93	209.87	0.94	GRD	MG	Light grey to medium grey hornblende-biotite granodiorite with the centre of interval (50 cm cm) is very strongly silicified and light grey. Minor bleached white veinlets pervasive.							
						MD	GY	EQ	SIL	3I	--	0
						LT	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
209.87	210.99	1.12	SKN	FG	Mottled and banded to foliated pyroxene-actinolite+/-pyrrhotite skarn. Interval appears weakly to moderately silicified. Contact hosts up to 2% chalcopyrite over 5 cm (medium grained blebs). Light grey quartz vein up to 1 m hosts fine grained to medium grained blebby pyrrhotite and chalcopyrite. Last 10 cm of interval is bleached.							
						MD	GN	FO	BLE	1I	Cp	0.01
								BN			Po	0.1
210.99	214.82	3.83	HBS	FG	Approximately 50% dark grey to purple light grey hornfels-biotite schist with a 30 cm wide massive pyroxene-actinolite-pyrrhotite skarn hosting trace chalcopyrite. Weak calcite-pyrrhotite+/-chalcopyrite veinlets found locally within skarn. Hornfels-biotite schist is weakly chlorite altered locally.							
						DK	GN					
						DK	GY	FO	CHL	1I	Cp	0.01
						LT	GY					
214.82	215.06	0.24	FAP	CG	Dark grey-green, feldspar andesite porphyry dyke. Feldspar phenocrysts up to 1 cm.							
						DK	GY					
						DK	GN	PO	---	0I	--	0
215.06	223.23	8.17	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. One intermittent quartzite interval up to 15 cm.							
						DK	GN					
						LT	GY					
						DK	GY	FO	CHL	1I	--	0
						DK	PU					
223.23	223.73	0.50	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						--	WH		---	0I		
						LT	GY	MA	---	0I	--	0
223.73	230.86	7.13	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	MA	---	0I	--	0
						--	WH					
230.86	231.58	0.72	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						LT	GY	MA	---	0I	--	0
						--	WH					
231.58	243.57	11.99	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. Abundant dark purple garnets up to 0.5 cm found along foliation locally.							
						LT	GY					
						DK	PU	FO	CHL	1I	--	0
						DK	GY					
243.57	248.40	4.83	SKN	FG	Intermittent actinolite-biotite skarn, pyroxene-actinolite-biotite skarn, pyroxene-actinolite-pyrrhotite skarn and pyroxene-actinolite>garnet skarn. Each type of skarn represents about 30% of interval of the interval with intermittent quartzite horizons up to 20 cm. Pyroxene-actinolite-biotite skarn hosts trace fine to medium grained tremolite and trace blebby pyrrhotite within bleached/silicified veins/patches. Pyroxene-actinolite skarn hosts blebby pyrrhotite and pyrite veinlets up to 0.5 cm cutting core at 5 degrees to core axis. Patchy and blebs of pyrrhotite associated with trace fine to medium grained chalcopyrite. Pyroxene-actinolite>garnet skarn is mottled and garnet is variably chlorite altered. Trace tremolite also within interval and disseminated locally.							
						LT	PK	Mo				
						DK	GN	MA	---	0I	Cp	0.01
						MD	GN	BN			Po	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
248.40	276.50	28.10	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. Abundant dark purple garnets up to 0.5 cm found along foliation locally. Trace pyroxene skarn (thin horizons). A light grey quartz vein up to 10 cm wide hosts patchy chlorite? Up to 1 x 1 cm.							
						DK	PU		---	0I		
						DK	GY	FO	---	0I	--	0
						LT	GY					
276.50	277.39	0.89	QTE	MG	Massive light grey to white quartzite with impurities of hornfels-biotite found as laths and represent about 5% of interval.							
						LT	GY	MA	---	0I	--	0
						--	WH					
277.39	282.29	4.90	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation.							
						DK	GY	FO	SIL	3I	--	0
						LT	GY					
						DK	PU					
282.29	282.80	0.51	FFP	CG	Moderately to strongly argillic altered, light grey to light green to white felsic feldspar porphyry dyke?. Argillic alterations so strong that rock type is unknown, but intrusive/porphyritic. Minor blebs of patchy pyrite(fine to medium grained).							
						LT	GY	PO	ARG	4I	--	0
						LT	GN					
282.80	283.86	1.06	HBS	FG	Light grey to dark grey, very strongly silicified hornfels-biotite schist with patchy/chlorite veins hosting blebby pyrite. Foliation is nearly non-existent.							
						LT	GY					
						DK	GY	FO	SIL	5I	--	0
283.86	284.02	0.16	FFP	CG	Moderately to strongly argillic altered, light grey to light green to white felsic feldspar porphyry dyke?. Argillic alterations so strong that rock type is unknown, but intrusive/porphyritic. Minor blebs of patchy pyrite(fine to medium grained).							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	WH					
						LT	GY					
						LT	GN	PO	ARG	4I	--	0
284.02	289.29	5.27	HBS	FG	Dark grey to purple light grey hornfels-biotite schist. Hornfels-biotite schist is weakly chlorite altered locally. Bands of grey quartz up to 1 cm found periodically along foliation. A 20 cm interval of strong sericite-clay altered hornfels-biotite schist with dark grey to light grey quartz matrix supported breccia with dark grey to medium grey angular clasts up to 1 x 1 cm. Dark grey silicified bands (<1 mm wide, but dense making up 3 cm wide veined zones) locally.							
						DK	PU					
						DK	GY	FO	SIL	4I	--	0
						LT	GY					
289.29	298.03	8.74	FAP	CG	Dark grey-green feldspar andesite porphyry dyke with medium grained hornblende pervasive. Feldspars are moderately altered to epidote. Minor chlorite veins. Pervasive calcite veinlets occur periodically and found on fractures.							
						DK	GY					
						DK	GN	PO	EPI	2I	--	0
298.03	301.46	3.43	HBS	FG	Well foliated, dark grey-purple to light grey hornfels-biotite schist with calcite veins up to 0.5 cm and 3 per metre. Last 50 cm of interval is strongly calcite veined/brecciated with patchy pyrite up to 1 x 4 cm +/-chalcopyrite. Breccia is matrix supported and comprises white calcite and nearly massive in nature.							
						DK	GY	FO	---	0I	--	0
						LT	GY		---	0I		
						DK	PU					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
301.46	306.12	4.66	SKN	FG	Light pink to dark green garnet>pyroxene skarn for first 2 m and grades into medium to dark green pyroxene-actinolite-chlorite-pyrrhotite-magnetite skarn. The last 50 cm is strongly calcite veined/flooded with magnetite-pyrrhotite sinuous veins along foliation/bands. Garnet>pyroxene skarn is a tan to almond green (altered garnet or just different chemistry of garnet?) with abundant calcite-ankerite chalcedonic veins with dark grey selvages and selvages of fine to medium grained semi-massive pyrite (up to 0.5 cm wide). Pyroxene-actinolite-chlorite-pyrrhotite-magnetite skarn is variable along its interval with more po-magnetite found locally. These areas generally have higher concentrations of chalcopyrite.							
						LT	GN				Cp	0.5
						DK	GN	MA			Po	5
						--	TN	BN	---	0I	Mg	5
						--	BL				Py	1
306.12	336.03	29.91	HBS	FG	Light grey to dark grey to dark purple, well foliated hornfels-biotite schist. Minor horizons of light green pyroxene skarn found locally and up to 10 cm+/-tan to almond green garnet. Fractures host fine grained blebby pyrite up to 1.5 x 1.5 cm. Minor chlorite veinlets at 30 degrees to core axis. Minor quartzite horizons with quartz veins creating ductile folding/textures of hornfels-biotite schist adjacent to them. A 60 cm calcite/ankerite flooded zone with patchy fine grained pyrite up to 5 x 2 cm is brecciated with strong chlorite and sericite alteration. Breccia is mosaic to crackle with calcite/ankerite matrix with altered hornfels-biotite schist clasts (angular).							
						LT	GY					
						DK	PU					
						DK	GY	FO	SIL	3I	--	0
336.03	336.93	0.90	SKN	FG	Pyroxene-actinolite-ankerite skarn with patchy to irregular banded. Minor intermittent laths of dark grey to light grey hornfels-biotite schist up to 2 x 5 cm. Last 10 cm of interval hosts disseminated to patchy pyrrhotite-chalcopyrite-pyrite.							
						LT	PK				Po	0.1
						MD	GN	BN	---	0I	Cp	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						--	TN				Py	0.01
336.93	345.75	8.82	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 0.5 cm found along foliation. Top 1.5 m of interval hosts thin (up to 10 cm). Mottled pyroxene>garnet skarns+/-moderate epidote alteration. Strong silicified areas of hornfels-biotite schist found locally and are light grey, variably foliated and bands of strong epidote alteration are abundant in these zones.							
						DK	GY	FO	SIL	3I	--	0
						DK	PU					
						LT	GY					
345.75	346.30	0.55	QTE	MG	Light grey to white quartzite with up to 5% laths of medium grained hornfels-biotite schist "pervasive impurities".							
						--	WH					
						LT	GY	MA	---	0I	--	0
346.30	352.38	6.08	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Strong silicified areas of hornfels-biotite schist found locally and are light grey.							
						DK	PU					
						LT	GY					
						DK	GY	FO	SIL	2I	--	0
352.38	352.66	0.28	SKN	FG	Massive to mottled pyroxene-actinolite+/-magnetite skarn hosting weak chalcopyrite (1%). Moderate calcite-chlorite and chlorite-pyrite veinlets pervasive.							
											Py	1
						DK	GN	MA	---	0I	Cp	1
						MD	GN				Po	10
352.66	354.02	1.36	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderate garnets up to 0.5 cm found along foliation. Strong silicified areas of hornfels-biotite schist found locally and are light grey.							
						LT	GY					
						DK	GY		---	0I		
						DK	PU	FO	---	0I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
354.02	356.20	2.18	SKN	FG	First 90 cm is strong chlorite and sericite altered hornfels-biotite schist and interbedded speckled chlorite-ankerite skarn up to 15 cm (70% hornfels-biotite schist and 30% skarn). This interval is followed by a 1.3 m interval of mosaic breccia comprising light to medium grey fine to medium grained calcareous matrix hosting skarn and schist clasts ranging from 0.5 x 0.5 cm up to 3 x 2 cm. Clasts are angular to sub angular and are rimmed by 0.5 cm ankerite, which is rimmed by dark grey < 1 mm lines hosting fine grained pyrite. Skarn within the interval is chlorite-pyroxene and ankerite-pyroxene and hosts blebby chalcopyrite.							
						--	TN	FO	SER	3I		
						MD	GN	BX	CHL	3I	Cp	0.01
						LT	GY					
						DK	GY					
356.20	360.79	4.59	HBS	FG	2 m of interval is strongly sericite and silica altered, well foliated hornfels biotite schist (likely alteration from a breccia zone). Remainder of interval is dark grey to light grey, well foliated hornfels-biotite schist with last 30 cm of interval moderately sericite and variably epidote altered.							
						DK	GY		SIL	2I		
						LT	GY	FO	SER	2I	--	0
						--	TN					
360.79	362.01	1.22	SKN	FG	Mottled to banded to spotted ankerite-pyroxene-actinolite>garnet skarn for first 20 cm. Skarn hosts blebby/spotty pyrite and chalcopyrite altering ankerite? Remainder of interval is pyroxene-actinolite-chlorite-pyrrhotite skarn, which is moderately banded to mottled with disseminated chalcopyrite pervasively with patchy to disseminated pyrrhotite. Last 5 cm hosts white calcite-ankerite band with chlorite laths/veins up to 0.25 cm+/- blebby chalcopyrite.							
						DK	GN	Mo	---	0I	Cp	1
						LT	PK					
						MD	GN	BN			Po	5
						--	TN				Py	3

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
362.01	371.48	9.47	HBS	FG	Light grey to green to tan, variably silicified, sericite and chlorite altered hornfels-biotite schist. Moderate quartz-veining found locally and up to 10/m. A 30 cm zone of moderate chlorite alteration with weak clay alteration along fractures.							
						LT	GY	FO	SER	2I	--	0
						LT	GN		EPI	1I		
						--	TN		CHL	2I		
						DK	PU		SIL	2I		
						DK	GY					
371.48	371.89	0.41	FAP	CG	Dark-grey to green feldspar andesite porphyry dyke with feldspar phenocrysts up to 0.5 cm. Medium grey calcareous veins hosting blebby fine grained pyrite with light grey to white calcite selvages (up to 1.5 cm with up to 3 cm bleached selvages.							
						DK	GN					
						DK	GY	PO	BLE	1I	--	0
371.89	373.38	1.49	HBS	FG	Dark grey to light grey, well foliated hornfels-biotite schist. Moderately silicified locally.							
						LT	GY					
						DK	GY	FO	SIL	2I	--	0

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	1.52	1.52	0.8	53	0.00	0	0R	4H	3W	
1.52	4.57	3.05	3.01	99	0.56	18	0R	4H	2W	
4.57	7.62	3.05	2.54	83	1.07	35	0R	4H	2W	
7.62	10.67	3.05	2.99	98	1.29	42	0R	4H	2W	
10.67	13.71	3.04	2.92	96	1.23	40	0R	4H	1W	
13.71	16.76	3.05	2.84	93	2.32	76	0R	4H	1W	
16.76	19.81	3.05	2.88	94	2.01	66	0R	4H	1W	
19.81	22.86	3.05	2.89	95	1.59	52	0R	4H	1W	
22.86	25.91	3.05	2.95	97	1.72	56	0R	4H	1W	
25.91	28.96	3.05	2.8	92	1.23	40	0R	4H	1W	
28.96	32.00	3.04	2.44	80	0.74	24	0R	4H	1W	
32.00	35.05	3.05	2.86	94	1.97	65	0R	4H	1W	
35.05	38.10	3.05	2.87	94	1.71	56	0R	4H	1W	
38.10	41.15	3.05	2.47	81	0.67	22	0R	4H	1W	
41.15	44.20	3.05	2	66	0.38	12	0R	2H	1W	
44.20	47.24	3.04	1.69	56	0.14	5	0R	2H	1W	
47.24	50.29	3.05	2.19	72	0.42	14	0R	2H	1W	
50.29	53.34	3.05	3.05	100	2.21	72	2R	4H	1W	
53.34	56.39	3.05	2.98	98	2.20	72	0R	2H	1W	
56.39	59.44	3.05	2.99	98	0.90	30	0R	3H	1W	
59.44	62.48	3.04	2.76	91	1.60	53	1R	3H	1W	
62.48	65.53	3.05	2.9	95	1.87	61	1R	3H	1W	
65.53	68.58	3.05	2.82	92	1.24	41	1R	2H	1W	
68.58	71.63	3.05	3.05	100	2.08	68	1R	3H	1W	
71.63	74.68	3.05	2.91	95	2.37	78	1R	4H	1W	
74.68	77.72	3.04	2.94	97	2.03	67	2R	4H	1W	
77.72	80.77	3.05	2.96	97	1.27	42	1R	3H	1W	
80.77	83.82	3.05	3.05	100	2.39	78	0R	4H	1W	
83.82	86.87	3.05	2.85	93	2.15	70	0R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
86.87	89.92	3.05	2.91	95	2.87	94	1R	4H	1W	
89.92	92.96	3.04	2.86	94	1.97	65	0R	4H	1W	
92.96	96.01	3.05	1.99	65	0.57	19	2R	3H	1W	
96.01	99.06	3.05	1.85	61	0.70	23	0R	3H	1W	
99.06	102.11	3.05	2.53	83	1.73	57	1R	4H	1W	
102.11	105.16	3.05	2.85	93	2.32	76	0R	3H	1W	
105.16	108.20	3.04	2.93	96	1.96	64	2R	2H	1W	
108.20	111.25	3.05	3.05	100	2.88	94	1R	5H	1W	
111.25	114.30	3.05	2.98	98	2.41	79	0R	5H	1W	
114.30	117.35	3.05	3.05	100	2.80	92	0R	5H	1W	
117.35	120.40	3.05	3.05	100	2.64	87	2R	5H	1W	
120.40	123.44	3.04	2.91	96	2.28	75	0R	4H	1W	
123.44	126.49	3.05	3.05	100	2.37	78	0R	5H	1W	
126.49	129.54	3.05	3.05	100	2.75	90	0R	5H	1W	
129.54	132.59	3.05	3.05	100	2.63	86	3R	4H	1W	
132.59	135.64	3.05	3.05	100	2.44	80	0R	4H	1W	
135.64	138.68	3.04	3.04	100	2.56	84	0R	5H	1W	
138.68	141.73	3.05	3.05	100	2.72	89	0R	5H	1W	
141.73	144.78	3.05	3.05	100	2.00	66	0R	5H	1W	
144.78	147.83	3.05	2.88	94	2.72	89	0R	5H	1W	
147.83	150.88	3.05	3.05	100	2.29	75	0R	5H	1W	
150.88	153.92	3.04	2.93	96	2.13	70	1R	4H	1W	
153.92	156.97	3.05	2.99	98	2.73	90	1R	5H	1W	
156.97	160.02	3.05	2.86	94	1.47	48	3R	4H	1W	
160.02	163.07	3.05	3.05	100	2.17	71	0R	4H	1W	
163.07	166.12	3.05	2.69	88	2.31	76	0R	5H	1W	
166.12	169.16	3.04	2.94	97	2.33	77	1R	5H	1W	
169.16	172.21	3.05	3.05	100	2.53	83	0R	5H	1W	
172.21	175.26	3.05	2.98	98	2.23	73	2R	5H	1W	
175.26	178.31	3.05	3.05	100	2.46	81	1R	5H	1W	
178.31	181.36	3.05	2.97	97	1.89	62	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
181.36	184.40	3.04	2.98	98	1.64	54	0R	4H	1W	
184.40	187.45	3.05	3.05	100	2.54	83	0R	5H	1W	
187.45	190.50	3.05	2.96	97	2.43	80	0R	5H	1W	
190.50	193.55	3.05	3	98	2.82	92	0R	5H	1W	
193.55	196.60	3.05	3.05	100	2.65	87	0R	5H	1W	
196.60	199.64	3.04	2.98	98	2.26	74	0R	5H	1W	
199.64	202.69	3.05	3.05	100	2.91	95	0R	5H	1W	
202.69	205.74	3.05	2.85	93	2.47	81	0R	5H	1W	
205.74	208.79	3.05	3.05	100	2.85	93	0R	5H	1W	
208.79	211.84	3.05	2.92	96	2.92	96	0R	5H	1W	
211.84	214.88	3.04	3.04	100	2.90	95	0R	5H	1W	
214.88	217.93	3.05	3.05	100	3.00	98	0R	5H	1W	
217.93	220.98	3.05	3.05	100	3.05	100	0R	5H	1W	
220.98	224.03	3.05	3.05	100	2.47	81	0R	5H	1W	
224.03	227.08	3.05	3.05	100	2.92	96	0R	5H	1W	
227.08	230.12	3.04	3.04	100	2.55	84	0R	5H	1W	
230.12	233.17	3.05	3.05	100	3.05	100	0R	5H	1W	
233.17	236.22	3.05	3.05	100	2.93	96	0R	5H	1W	
236.22	239.27	3.05	3.05	100	2.79	91	0R	5H	1W	
239.27	242.32	3.05	3.05	100	2.53	83	0R	5H	1W	
242.32	245.36	3.04	3.04	100	3.04	100	0R	5H	1W	
245.36	248.41	3.05	3.05	100	2.94	96	0R	5H	1W	
248.41	251.46	3.05	3.05	100	2.89	95	0R	5H	1W	
251.46	254.51	3.05	3.05	100	2.96	97	0R	5H	1W	
254.51	257.56	3.05	3.05	100	2.85	93	0R	5H	1W	
257.56	260.60	3.04	3.04	100	2.79	92	0R	5H	1W	
260.60	263.65	3.05	3.05	100	2.44	80	0R	5H	1W	
263.65	266.70	3.05	3.05	100	2.55	84	0R	5H	1W	
266.70	269.75	3.05	3.05	100	2.80	92	0R	5H	1W	
269.75	272.80	3.05	2.97	97	2.64	87	0R	5H	1W	
272.80	275.84	3.04	3.04	100	2.53	83	0R	5H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
275.84	278.89	3.05	2.83	93	2.22	73	0R	5H	1W	
278.89	281.94	3.05	2.99	98	2.64	87	0R	5H	1W	
281.94	284.99	3.05	3	98	2.34	77	0R	4H	1W	
284.99	288.04	3.05	3.05	100	2.00	66	3R	4H	1W	
288.04	291.08	3.04	2.78	91	0.90	30	0R	2H	1W	
291.08	294.13	3.05	3.05	100	2.83	93	0R	5H	1W	
294.13	297.18	3.05	2.97	97	2.34	77	0R	5H	1W	
297.18	300.23	3.05	3.05	100	2.77	91	0R	5H	1W	
300.23	303.28	3.05	2.71	89	2.35	77	1R	5H	1W	
303.28	306.32	3.04	3	99	2.39	79	3R	5H	1W	
306.32	309.37	3.05	2.95	97	2.31	76	0R	5H	1W	
309.37	312.42	3.05	2.99	98	2.71	89	0R	5H	1W	
312.42	315.47	3.05	3.04	100	2.76	90	0R	5H	1W	
315.47	318.52	3.05	3.05	100	3.05	100	1R	5H	1W	
318.52	321.56	3.04	3.04	100	2.43	80	1R	5H	1W	
321.56	324.61	3.05	3.05	100	2.86	94	0R	5H	1W	
324.61	327.66	3.05	3.05	100	2.85	93	0R	5H	1W	
327.66	330.71	3.05	2.86	94	1.41	46	1R	3H	1W	
330.71	333.76	3.05	2.91	95	1.59	52	0R	4H	1W	
333.76	336.80	3.04	3.01	99	1.69	56	0R	5H	1W	
336.80	339.85	3.05	3.05	100	2.28	75	0R	5H	1W	
339.85	342.90	3.05	2.92	96	2.45	80	0R	5H	1W	
342.90	345.95	3.05	2.94	96	2.35	77	0R	5H	1W	
345.95	349.00	3.05	3.05	100	2.77	91	0R	5H	1W	
349.00	352.04	3.04	3.02	99	2.44	80	0R	4H	1W	
352.04	355.09	3.05	3.05	100	2.32	76	0R	4H	1W	
355.09	358.14	3.05	2.79	91	1.42	47	0R	4H	1W	
358.14	361.19	3.05	2.93	96	2.16	71	0R	4H	1W	
361.19	364.24	3.05	3.02	99	1.59	52	0R	4H	1W	
364.24	367.28	3.04	3.04	100	1.79	59	0R	3H	3W	
367.28	370.33	3.05	2.85	93	2.13	70	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
370.33	373.38	3.05	2.97	97	2.30	75	0R	4H	1W	EOH

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Depth (m)	Magnetic Susceptibility	Rock Type	Comments
1	0.08	HBS	
2	0.43	HBS	
3	0.65	HBS	
4	0.71	HBS	
5	0.32	HBS	
6	0.98	HBS	
7	0.49	HBS	
8	0.28	HBS	
9	0.55	HBS	
10	0.49	HBS	
11	0.06	HBS	
12	0.22	HBS	
13	2.35	HBS	
14	0.28	HBS	
15	0.18	HBS	
16	0.12	HBS	
17	0.14	HBS	
18	0.24	HBS	
19	0.22	HBS	
20	0.14	HBS	
21	0.41	HBS	
22	0.92	HBS	
23	1.66	HBS	
24	1.43	HBS	
25	0.16	HBS	
26	0.2	HBS	
27	0.12	HBS	
28	0.18	HBS	
29	0	HBS	
30	0.43	HBS	
31	0	HBS	
32	0.32	HBS	
33	0.57	HBS	
34	0.02	HBS	
35	0.14	HBS	
36	0.06	HBS	
37	0.08	HBS	
38	0.14	HBS	
39	0.04	HBS	
40	0.16	HBS	
41	0.04	HBS	
42	0.02	HBS	
43	0.16	HBS	
44	0	HBS	
45	1.84	AND	
46	0.57	AND	
47	0.53	AND	
48	0.04	AND	
49	0.2	AND	
50	705	SKN	
51	8.32	SKN	
52	0.69	SKN	
53	0.1	SKN	
54	0.26	SKN	
55	0.43	SKN	
56	0.06	HBS	
57	0.1	HBS	
58	0.08	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
59	0.12	HBS	
60	0.16	HBS	
61	0.26	SKN	
62	0.75	SKN	
63	313	SKN	
64	954	SKN	
65	14.7	SKN	
66	35.4	SKN	
67	0.77	SKN	
68	1.57	SKN	
69	1.39	SKN	
70	1.37	SKN	
71	1.23	SKN	
72	1.98	SKN	
73	1.08	SKN	
74	1.74	SKN	
75	0.24	SKN	
76	0.45	SKN	
77	0.92	SKN	
78	0.71	SKN	
79	1.47	SKN	
80	0.12	HBS	
81	0.1	HBS	
82	1.47	SKN	
83	0.77	SKN	
84	0.77	SKN	
85	0.14	HBS	
86	1.06	HBS	
87	0.51	SKN	
88	0.61	SKN	
89	1.16	SKN	
90	0.36	SKN	
91	0.73	SKN	
92	0.12	GRD	
93	0.67	SKN	
94	0.06	GRD	
95	0.14	GRD	
96	0.2	GRD	
97	0.12	GRD	
98	0.14	GRD	
99	0.16	GRD	
100	0.57	HBS	
101	0.2	SKN	
102	0.16	SKN	
103	0.04	HBS	
104	0.04	HBS	
105	0.12	HBS	
106	0.92	HBS	
107	0.02	HBS	
108	0.45	HBS	
109	1.86	HBS	
110	1.04	SKN	
111	0.14	HBS	
112	0.51	HBS	
113	0.63	SKN	
114	0.22	SKN	
115	0.47	GRD	
116	0.86	GRD	
117	1.14	GRD	
118	0.73	GRD	
119	1.43	GRD	
120	4.32	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
121	0.06	SKN	
122	0.22	HBS	
123	0.1	HBS	
124	0.08	HBS	
125	0.45	HBS	
126	1.35	HBS	
127	0.41	SKN	
128	0.24	SKN	
129	0.75	SKN	
130	0.53	SKN	
131	0.41	SKN	
132	0.24	SKN	
133	0.2	SKN	
134	1.53	SKN	
135	0.73	SKN	
136	3.54	SKN	
137	0.16	SKN	
138	1	SKN	
139	1.41	SKN	
140	0.84	SKN	
141	1.04	SKN	
142	0.34	RHY	
143	0.14	RHY	
144	0.14	RHY	
145	0.18	RHY	
146	1	HBS	
147	0.28	HBS	
148	0.18	HBS	
149	2.02	HBS	
150	0.38	SKN	
151	2.13	SKN	
152	0.08	HBS	
153	0.41	SKN	
154	0.14	HBS	
155	0.18	HBS	
156	4.36	HBS	
157	6.12	HBS	
158	0.16	HBS	
159	0.82	SKN	
160	0.67	SKN	
161	22.8	SKN	
162	0.92	HBS	
163	1.74	SKN	
164	0.28	SKN	
165	1.18	SKN	
166	1.57	SKN	
167	1.14	SKN	
168	0.65	GRD	
169	0.82	GRD	
170	18.9	SKN	
171	0.79	SKN	
172	70.7	SKN	
173	900	SKN	
174	179	SKN	
175	0.57	HBS	
176	2.11	HBS	
177	2.05	HBS	
178	0.26	HBS	
179	25	GRD	
180	23.9	GRD	
181	0.3	GRD	
182	19.3	GRD	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
183	4.12	GRD	
184	0.34	HBS	
185	0.82	HBS	
186	0.65	HBS	
187	0.69	HBS	
188	1.12	HBS	
189	1.12	HBS	
190	3.73	HBS	
191	1.18	HBS	
192	0.36	HBS	
193	0.71	HBS	
194	0.82	HBS	
195	0.94	MBL	
196	0.14	MBL	
197	0.14	MBL	
198	1.06	MBL	
199	0.75	MBL	
200	0.04	MBL	
201	2.31	SKN	
202	2.23	SKN	
203	2.09	SKN	
204	37	SKN	
205	1.37	SKN	
206	1.84	SKN	
207	1.43	SKN	
208	1.25	SKN	
209	0.47	GRD	
210	1	SKN	
211	0.47	HBS	
212	3.69	HBS	
213	0.49	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
214	3.25	HBS	
215	23.5	FAP	
216	0.77	HBS	
217	0.51	HBS	
218	0.67	HBS	
219	0.63	HBS	
220	0.41	HBS	
221	0.59	HBS	
222	0.2	HBS	
223	0.65	HBS	
224	0.26	HBS	
225	0.96	HBS	
226	0.43	HBS	
227	0.34	HBS	
228	0.49	HBS	
229	0.22	HBS	
230	0.16	HBS	
231	0.24	QTE	
232	0.53	HBS	
233	0.36	HBS	
234	0.36	HBS	
235	1	HBS	
236	0.47	HBS	
237	0.18	HBS	
238	1.53	HBS	
239	1.39	HBS	
240	1.68	HBS	
241	0.43	HBS	
242	2.07	HBS	
243	0.73	HBS	
244	8.73	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
245	3.69	SKN	
246	1.2	SKN	
247	1.8	SKN	
248	1.88	SKN	
249	1.37	HBS	
250	0.16	HBS	
251	0.82	HBS	
252	0.96	HBS	
253	1.25	HBS	
254	0.63	HBS	
255	2.17	HBS	
256	1	HBS	
257	3.13	HBS	
258	8.4	HBS	
259	0.51	HBS	
260	0.43	HBS	
261	0.55	HBS	
262	0.32	HBS	
263	0.26	HBS	
264	1.02	HBS	
265	2.68	HBS	
266	2.89	HBS	
267	1.94	HBS	
268	1.31	HBS	
269	0.96	HBS	
270	0.79	HBS	
271	2.7	HBS	
272	0.22	HBS	
273	1.1	HBS	
274	2.97	HBS	
275	0.02	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments
276	1.49	HBS	
277	0.43	QTE	
278	2.31	HBS	
279	0.77	HBS	
280	0.43	HBS	
281	3.71	HBS	
282	2.27	HBS	
283	0.1	HBS	
284	0.08	FFP	
285	0	HBS	
286	0.41	HBS	
287	0.9	HBS	
288	0.24	HBS	
289	0.1	HBS	
290	0.57	FAP	
291	5.28	FAP	
292	5.35	FAP	
293	9.79	FAP	
294	5.82	FAP	
295	32.3	FAP	
296	10.9	FAP	
297	5.61	FAP	
298	1.23	FAP	
299	5.43	HBS	
300	3.44	HBS	
301	0.06	HBS	
302	1.86	SKN	
303	1.23	SKN	
304	1.47	SKN	
305	284	SKN	
306	0.28	SKN	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
307	0.38	HBS	
308	1.61	HBS	
309	0.98	HBS	
310	5.04	HBS	
311	1.61	HBS	
312	5.45	HBS	
313	0.69	HBS	
314	0.36	HBS	
315	0.61	HBS	
316	0.51	HBS	
317	1.25	HBS	
318	0.28	HBS	
319	1.14	HBS	
320	0.84	HBS	
321	1.02	HBS	
322	0.45	HBS	
323	0.38	HBS	
324	0.1	HBS	
325	0.1	HBS	
326	0.26	HBS	
327	0.38	HBS	
328	0.04	HBS	
329	0.1	HBS	
330	0.1	HBS	
331	0.63	HBS	
332	0.24	HBS	
333	0.1	HBS	
334	0.2	HBS	
335	0.65	HBS	
336	0.34	HBS	
337	0.32	HBS	
338	6.23	HBS	
339	0.98	HBS	
340	1.31	HBS	
341	1	HBS	
342	0.24	HBS	
343	0.24	HBS	
344	0.22	HBS	
345	0.38	HBS	
346	0.04	QTE	
347	0.1	HBS	
348	0.1	HBS	
349	0.36	HBS	
350	0.34	HBS	
351	0.47	HBS	
352	0.08	HBS	
353	0.02	HBS	
354	0.12	HBS	
355	0.22	SKN	
356	0.24	SKN	
357	0.04	HBS	
358	0.1	HBS	
359	0.9	HBS	
360	0.14	HBS	
361	0.9	SKN	
362	0.2	SKN	
363	0.02	HBS	
364	0.12	HBS	
365	0.04	HBS	
366	0.06	HBS	
367	0.3	HBS	
368	0.1	HBS	

Depth (m)	Magnetic Susceptibility	Rock Type	Comments
369	0.55	HBS	
370	0.36	HBS	
371	1.25	HBS	
372	0.2	HBS	
373	0.04	HBS	

Depth (m)	Magnetic Susceptibility	Unit	Comments

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	S053091	☐	B00-010	Batch 10	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053034	☐	B00-008	Batch 8	ME-15	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053097	☐	B00-010	Batch 10		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053088	☐	B00-010	Batch 10		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053083	☐	B00-010	Batch 10	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053073	☐	B00-009	Batch 9	ME-16	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053069	☐	B00-009	Batch 9		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053052	☐	B00-009	Batch 9		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S053047	☐	B00-009	Batch 9	ME-15	☐	☐	☐
44.92	47.24	2.32	HBS, AND	1.81	78	S053029	☐	B00-008	Batch 8		☐	☐	☐
47.24	49.49	2.25	AND	1.80	80	S053030	☐	B00-008	Batch 8		☐	☐	☐
49.49	51.00	1.51	SKN, AND	1.38	91	S053031	☐	B00-008	Batch 8		☐	☐	☐
51.00	52.97	1.97	SKN	1.97	100	S053032	☐	B00-008	Batch 8		☐	☐	☐
52.97	55.63	2.66	SKN	2.66	100	S053033	☐	B00-008	Batch 8		☐	☐	☐
60.89	63.13	2.24	HBS, SKN	2.08	93	S053035	☐	B00-008	Batch 8		☐	☐	☐
63.13	66.13	3.00	SKN	3.00	100	S053036	☐	B00-008	Batch 8		☐	☐	☐
66.13	68.58	2.45	SKN	2.45	100	S053037	☐	B00-008	Batch 8		☐	☐	☐
68.58	71.63	3.05	SKN	3.05	100	S053038	☐	B00-008	Batch 8		☐	☐	☐
71.63	74.05	2.42	SKN	2.33	96	S053039	☐	B00-009	Batch 9		☐	☐	☐
74.05	76.33	2.28	SKN	2.28	100	S053040	☐	B00-009	Batch 9		☐	☐	☐
76.33	78.05	1.72	SKN	1.72	100	S053041	☐	B00-009	Batch 9		☐	☐	☐
78.05	79.62	1.57	SKN	1.57	100	S053042	☐	B00-009	Batch 9		☐	☐	☐
78.05	79.62	1.57	SKN	1.57	100	S053043	☐	B00-009	Batch 9		☐	☑	☐

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
81.80	83.82	2.02	HBS, SKN	2.02	100	S053044	☐	B00-009	Batch 9		☐	☐	☐
83.82	86.87	3.05	SKN	3.05	100	S053045	☐	B00-009	Batch 9		☐	☐	☐
86.87	89.92	3.05	SKN	3.05	100	S053046	☐	B00-009	Batch 9		☐	☐	☐
89.92	91.81	1.89	SKN	1.89	100	S053048	☐	B00-009	Batch 9		☐	☐	☐
91.81	93.84	2.03	SKN	0.89	44	S053049	☐	B00-009	Batch 9		☐	☐	☐
100.70	102.60	1.90	SKN, HBS	1.90	100	S053050	☐	B00-009	Batch 9		☐	☐	☐
105.16	106.16	1.00	HBS, SKN	0.97	97	S053051	☐	B00-009	Batch 9		☐	☐	☐
109.12	110.91	1.79	HBS, SKN	1.79	100	S053053	☐	B00-009	Batch 9		☐	☐	☐
109.12	110.91	1.79	HBS, SKN	1.79	100	S053054	☐	B00-009	Batch 9		☐	☐	☑
112.38	114.11	1.73	HBS, SKN	1.73	100	S053055	☐	B00-009	Batch 9		☐	☐	☐
119.54	121.07	1.53	SKN, GRD	1.53	100	S053056	☐	B00-009	Batch 9		☐	☐	☐
126.63	129.54	2.91	HBS, SKN	2.90	100	S053057	☐	B00-009	Batch 9		☐	☐	☐
129.54	132.59	3.05	SKN	3.05	100	S053058	☐	B00-009	Batch 9		☐	☐	☐
132.59	135.06	2.47	SKN	2.47	100	S053059	☐	B00-009	Batch 9		☐	☐	☐
135.06	137.70	2.64	SKN	2.64	100	S053060	☐	B00-009	Batch 9		☐	☐	☐
137.70	138.80	1.10	SKN	1.10	100	S053061	☐	B00-009	Batch 9		☐	☐	☐
138.80	141.79	2.99	SKN	2.99	100	S053062	☐	B00-009	Batch 9		☐	☐	☐
149.31	151.36	2.05	HBS, SKN	2.05	100	S053063	☐	B00-009	Batch 9		☐	☐	☐
152.92	153.92	1.00	HBS	1.00	100	S053064	☐	B00-009	Batch 9		☐	☐	☐
156.06	157.06	1.00	HBS, SKN	1.00	100	S053065	☐	B00-009	Batch 9		☐	☐	☐
158.10	161.09	2.99	HBS, SKN	2.90	97	S053066	☐	B00-009	Batch 9		☐	☐	☐
161.09	162.41	1.32	SKN, HBS	1.32	100	S053067	☐	B00-009	Batch 9		☐	☐	☐

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
162.41	165.41	3.00	SKN	2.75	92	S053068	☐	B00-009	Batch 9		☐	☐	☐
165.41	167.82	2.41	SKN	2.34	97	S053070	☐	B00-009	Batch 9		☐	☐	☐
167.82	169.41	1.59	SKN, GRD	1.46	92	S053071	☐	B00-009	Batch 9		☐	☐	☐
169.41	172.03	2.62	GRD, SKN	2.62	100	S053072	☐	B00-009	Batch 9		☐	☐	☐
172.03	174.12	2.09	SKN	2.09	100	S053074	☐	B00-009	Batch 9		☐	☐	☐
197.97	198.97	1.00	MBL	1.00	100	S053075	☐	B00-010	Batch 10		☐	☐	☐
200.59	202.00	1.41	MBL, SKN	1.41	100	S053076	☐	B00-010	Batch 10		☐	☐	☐
202.00	204.25	2.25	SKN	2.10	93	S053077	☐	B00-010	Batch 10		☐	☐	☐
204.25	206.00	1.75	SKN	1.75	100	S053078	☐	B00-010	Batch 10		☐	☐	☐
204.25	206.00	1.75	SKN	1.75	100	S053079	☐	B00-010	Batch 10		☐	☐	☑
206.00	208.93	2.93	SKN	2.93	100	S053080	☐	B00-010	Batch 10		☐	☐	☐
209.87	210.99	1.12	SKN, GRD	1.12	100	S053081	☐	B00-010	Batch 10		☐	☐	☐
211.71	212.71	1.00	HBS	1.00	100	S053082	☐	B00-010	Batch 10		☐	☐	☐
243.57	246.00	2.43	HBS, SKN	2.43	100	S053084	☐	B00-010	Batch 10		☐	☐	☐
246.00	248.40	2.40	SKN	2.40	100	S053085	☐	B00-010	Batch 10		☐	☐	☐
288.04	289.04	1.00	HBS	1.00	100	S053086	☐	B00-010	Batch 10		☐	☐	☐
300.46	301.46	1.00	HBS	1.00	100	S053087	☐	B00-010	Batch 10		☐	☐	☐
301.46	304.07	2.61	SKN, HBS	2.33	89	S053089	☐	B00-010	Batch 10		☐	☐	☐
304.07	306.12	2.05	SKN	2.05	100	S053090	☐	B00-010	Batch 10		☐	☐	☐
336.03	337.03	1.00	SKN, HBS	1.00	100	S053092	☐	B00-010	Batch 10		☐	☐	☐

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
337.03	338.33	1.30	HBS	1.30	100	S053093	☐	B00-010	Batch 10		☐	☐	☐
337.03	338.33	1.30	HBS	1.30	100	S053094	☐	B00-010	Batch 10		☐	☑	☐
352.38	353.38	1.00	HBS, SKN	1.00	100	S053095	☐	B00-010	Batch 10		☐	☐	☐
354.02	356.20	2.18	SKN, HBS	2.18	100	S053096	☐	B00-010	Batch 10		☐	☐	☐
360.79	362.01	1.22	HBS, SKN	1.22	100	S053098	☐	B00-010	Batch 10		☐	☐	☐

Sample Results

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
		0.00	44.92						☐	☐	☐	☐	
B00-008	S053034	0.00	0.00	1.35	560		76	2.0	☐	☐	☐	☑ ME-15	
B00-009	S053047	0.00	0.00	1.44	559		68	1.9	☐	☐	☐	☑ ME-15	
B00-009	S053052	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-009	S053069	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-009	S053073	0.00	0.00	1.41	140		34	2.4	☐	☐	☐	☑ ME-16	
B00-010	S053083	0.00	0.00	1.54	140		34	2.5	☐	☐	☐	☑ ME-16	
B00-010	S053088	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-010	S053091	0.00	0.00	1.46	574		79	2.1	☐	☐	☐	☑ ME-15	
B00-010	S053097	0.00	0.00	0.00	0		0	0.0	☐	☐	☑	☐	
B00-008	S053029	44.92	47.24	0.21	2		1	0.2	☐	☐	☐	☐	
B00-008	S053030	47.24	49.49	0.05	2		0	0.2	☐	☐	☐	☐	
B00-008	S053031	49.49	51.00	0.12	24		4	0.3	☐	☐	☐	☐	
B00-008	S053032	51.00	52.97	0.01	21		8	0.1	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-008	S053033	52.97	55.63	0.01	45		9	0.3	☐	☐	☐	☐	
		55.63	60.89						☐	☐	☐	☐	
B00-008	S053035	60.89	63.13	0.13	3		1	0.1	☐	☐	☐	☐	
B00-008	S053036	63.13	66.13	0.37	7		2	0.1	☐	☐	☐	☐	
B00-008	S053037	66.13	68.58	0.01	7		0	0.1	☐	☐	☐	☐	
B00-008	S053038	68.58	71.63	0.03	4		1	0.1	☐	☐	☐	☐	
B00-009	S053039	71.63	74.05	0.01	7		1	0.1	☐	☐	☐	☐	
B00-009	S053040	74.05	76.33	0.01	41		6	0.1	☐	☐	☐	☐	
B00-009	S053041	76.33	78.05	0.00	17		1	0.1	☐	☐	☐	☐	
B00-009	S053042	78.05	79.62	0.01	12		1	0.1	☐	☐	☐	☐	
B00-009	S053043	78.05	79.62	0.00	13		1	0.1	☑	☐	☐	☐	
		79.62	81.80						☐	☐	☐	☐	
B00-009	S053044	81.80	83.82	0.00	5		0	0.1	☐	☐	☐	☐	
B00-009	S053045	83.82	86.87	0.04	5		0	0.1	☐	☐	☐	☐	
B00-009	S053046	86.87	89.92	0.01	6		0	0.1	☐	☐	☐	☐	
B00-009	S053048	89.92	91.81	0.00	2		0	0.1	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-009	S053049	91.81	93.84	0.00	2		0	0.3	☐	☐	☐	☐	
		93.84	######						☐	☐	☐	☐	
B00-009	S053050	100.70	102.60	0.00	1		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053051	105.16	106.16	0.00	9		1	1.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053053	109.12	110.91	0.01	10		0	0.2	☐	☐	☐	☐	
B00-009	S053054	109.12	110.91	0.01	10		0	0.1	☐	☑	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053055	112.38	114.11	0.00	2		0	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053056	119.54	121.07	0.04	4		0	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053057	126.63	129.54	0.00	3		0	0.1	☐	☐	☐	☐	
B00-009	S053058	129.54	132.59	0.00	5		1	0.1	☐	☐	☐	☐	
B00-009	S053059	132.59	135.06	0.00	3		0	0.1	☐	☐	☐	☐	
B00-009	S053060	135.06	137.70	0.00	2		0	0.2	☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-009	S053061	137.70	138.80	0.00	4		0	0.1	☐	☐	☐	☐	
B00-009	S053062	138.80	141.79	0.00	3		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053063	149.31	151.36	0.00	5		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053064	152.92	153.92	0.01	2		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053065	156.06	157.06	0.02	3		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-009	S053066	158.10	161.09	0.01	8		2	0.4	☐	☐	☐	☐	
B00-009	S053067	161.09	162.41	0.00	5		0	0.5	☐	☐	☐	☐	
B00-009	S053068	162.41	165.41	0.02	2		1	0.2	☐	☐	☐	☐	
B00-009	S053070	165.41	167.82	0.00	2		1	0.1	☐	☐	☐	☐	
B00-009	S053071	167.82	169.41	0.00	4		4	0.2	☐	☐	☐	☐	
B00-009	S053072	169.41	172.03	0.03	3		1	0.1	☐	☐	☐	☐	
B00-009	S053074	172.03	174.12	0.02	3		1	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-010	S053075	197.97	198.97	0.02	8		1	0.1	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053076	200.59	202.00	0.05	10		0	0.1	☐	☐	☐	☐	
B00-010	S053077	202.00	204.25	0.13	28		4	0.1	☐	☐	☐	☐	
B00-010	S053078	204.25	206.00	0.01	1		1	0.4	☐	☐	☐	☐	
B00-010	S053079	204.25	206.00	0.01	3		1	0.3	☐	☑	☐	☐	
B00-010	S053080	206.00	208.93	0.01	3		1	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053081	209.87	210.99	0.02	1		0	0.2	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053082	211.71	212.71	0.01	1		0	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053084	243.57	246.00	0.01	3		0	0.4	☐	☐	☐	☐	
B00-010	S053085	246.00	248.40	0.01	2		0	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053086	288.04	289.04	0.01	30		4	0.3	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

Batch	Sample	From (m)	To (m)	Au g/t	As ppm	Hg ppm	Sb ppm	Tl ppm	¼ Dup	Crs. Dup	Blk	Standard	Comments
B00-010	S053087	300.46	301.46	0.01	168		6	0.4	☐	☐	☐	☐	
B00-010	S053089	301.46	304.07	0.26	865		30	0.5	☐	☐	☐	☐	
B00-010	S053090	304.07	306.12	0.11	14		4	0.7	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053092	336.03	337.03	0.07	5		0	0.6	☐	☐	☐	☐	
B00-010	S053093	337.03	338.33	0.02	1		0	0.7	☐	☐	☐	☐	
B00-010	S053094	337.03	338.33	0.01	1		0	0.7	☑	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053095	352.38	353.38	0.01	4		0	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053096	354.02	356.20	2.33	55		5	0.4	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	
B00-010	S053098	360.79	362.01	1.17	30		3	0.5	☐	☐	☐	☐	
		######	######						☐	☐	☐	☐	

APPENDIX V

HERITAGE RESOURCE IMPACT ASSESSMENT

Stantec report costs were not included in assessment filing. Report contains site sensitive data, therefore is not included in Mining Recorder copy of assessment report.