



Ministry of Energy and Mines  
BC Geological Survey

**ASSESSMENT REPORT  
TITLE PAGE AND SUMMARY**

<b>TITLE OF REPORT [type of survey(s)]</b> 2017 Assessment Report on Drilling at the North Island Property	<b>TOTAL COST</b> \$541,680.93
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AUTHOR(S) John A. McClintock P.Eng SIGNATURE(S) \_\_\_\_\_

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) MX-8-280, MX-8-282; YEAR OF WORK 2017

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 5671738; 2017/11/01

PROPERTY NAME North Island Property

CLAIM NAME(S) (on which work was done) 513909, 512989, 232015, 232308, 512993

COMMODITIES SOUGHT copper, gold, molybdenum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN \_\_\_\_\_

MINING DIVISION Nanaimo NTS 92L 12&11E

LATITUDE 50 ° 40 ' 30 " LONGITUDE 127 ° 51 ' 00 " (at centre of work)

OWNER(S)  
1) North Island Mining 2) \_\_\_\_\_

MAILING ADDRESS  
15th Floor, 1040 Georgia Street  
Vancouver, B.C., V6E 4H1

OPERATOR(S) [who paid for the work]  
1) Northisland Copper and Gold Inc. 2) \_\_\_\_\_

MAILING ADDRESS  
as above

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):  
Bonanza Group Andesite, Island Intrusions, Porphyry Copper Mineralization, Advanced Argillic Alteration, Intermediate Argillic Alteration, Late Breccia.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 11776,14058,06531,06184,19383  
32, 12027, 18023, 20610, 21,352

TYPE OF WORK IN THIS REPORT <b>Drilling</b>	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
<b>GEOLOGICAL (scale, area)</b>			
Ground, mapping _____			
Photo interpretation _____			
<b>GEOPHYSICAL (line-kilometres)</b>			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
<b>GEOCHEMICAL</b>			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____			
Other _____		<b>Core samples</b>	513909, 512989, 232015, 232308, 512993
			\$31,612.50
<b>DRILLING</b>			
(total metres; number of holes, size)		1848 metres in 6 holes; Nq&Hq	513909, 512989, 232015, 232308, 512993
Core _____			\$510,068.43
Non-core _____			
<b>RELATED TECHNICAL</b>			
Sampling/assaying _____			
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
<b>PROSPECTING (scale, area)</b> _____			
<b>PREPARATORY/PHYSICAL</b>			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other _____			
			<b>TOTAL COST \$541,680.93</b>

# **2017 ASSESSMENT REPORT ON DRILLING AT THE North Island PROPERTY**

**Nanaimo Mining Division**

**British Columbia**

**NTS 092L/12, 11E**

**50° 40.5' North Latitude**

**127 ° 51' West Longitude**

**Event # 5671738**

**Work on Tenure #'s:**

**513909, 512989, 232015, 232308, 512993**

**Prepared for:**

**Northisle Copper and Gold Inc.**

**Prepared by:**

**John McClintock, P.Eng,**

**December 2017**

**Revised 20 September 2018**

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## **1.0 SUMMARY**

In the late spring and summer of 2017 a multipurpose drilling program was carried out on the North Island Property of Northisle Copper and Gold Inc. The program had four main objectives: test for a deeply buried copper, gold and molybdenum porphyry mineralization south of the Red Dog Deposit; collect a metallurgical sample from the Hushamu Deposit; test an under drilled area of the southern Hushamu Deposit; and to determine if the Hushamu Deposit continued to the southeast. In total 1846 metres in 6 holes were drilled.

The drill-hole at Red Dog was inconclusive as it was lost at a depth of 290 metres 300 metres short of the target. Nevertheless, high level porphyry type alteration and promising copper and gold grades were encountered. The presence of incipient intermediate argillic alteration (CMG) below 150 metres in the hole is also encouraging and warrants another attempt to get a core hole down to 600 metres.

A three drill-hole test in the south central part of the Hushamu deposit demonstrates that this previously supposed low-grade area contains appreciable copper, gold and molybdenum mineralization. This year's test confirmed that the three historical vertical holes, upon which the low grade nature of the area was based, had passed along near vertical post mineral breccia dykes and their associated sulphide destructive alteration. Further, the 100 to 150 metre thick previously assumed Leach Cap in the southern area of the deposit was found to contain significant areas of copper, gold and molybdenum sulphide mineralization. Oxidation and leaching of sulphide were found to be restricted to relatively narrow north-easterly dipping fault zones. Determining the amount of mineralization above cut-off between the 3 historical drill hole and what part of the previously assumed Leach Cap is actually mineralization will require in-fill drilling of southerly oriented angle holes.

Hole H17-05 drilled on the southeastern margin of the Hushamu Deposit demonstrated copper, gold and molybdenum mineralization at Hushamu remains open to the southeast. Deepening of H17-05 to a depth of 400 metres is recommended. A further 100 metre step out hole to the southeast is also recommended.

## **2.0 INTRODUCTION AND TERMS OF REFERENCE**

In the late spring and summer of 2017 a multipurpose drilling program was carried out on the North Island Property of Northisle Copper and Gold Inc. The program had four main objectives: test for a deeply buried copper, gold and molybdenum porphyry mineralization south of the Red Dog Deposit; collect a

metallurgical sample from the Hushamu Deposit; test an under drilled area of the southern Hushamu Deposit; and test for a southeastern extension of the deposit.

This report quotes from historical assessment reports of the area. A list of the referenced reports is provided in the Bibliography.

## **3.0 PROPERTY DESCRIPTION AND LOCATION**

### **3.1 LOCATION AND ACCESS**

The North Island Property is located at the northern end Vancouver Island, in British Columbia, Canada. Geographic coordinates are 50° 40.5' north latitude and 127° 51' west longitude. The Property includes both the Hushamu Deposit and the Red Dog Deposit, currently held under option by Northisle Copper and Gold inc.

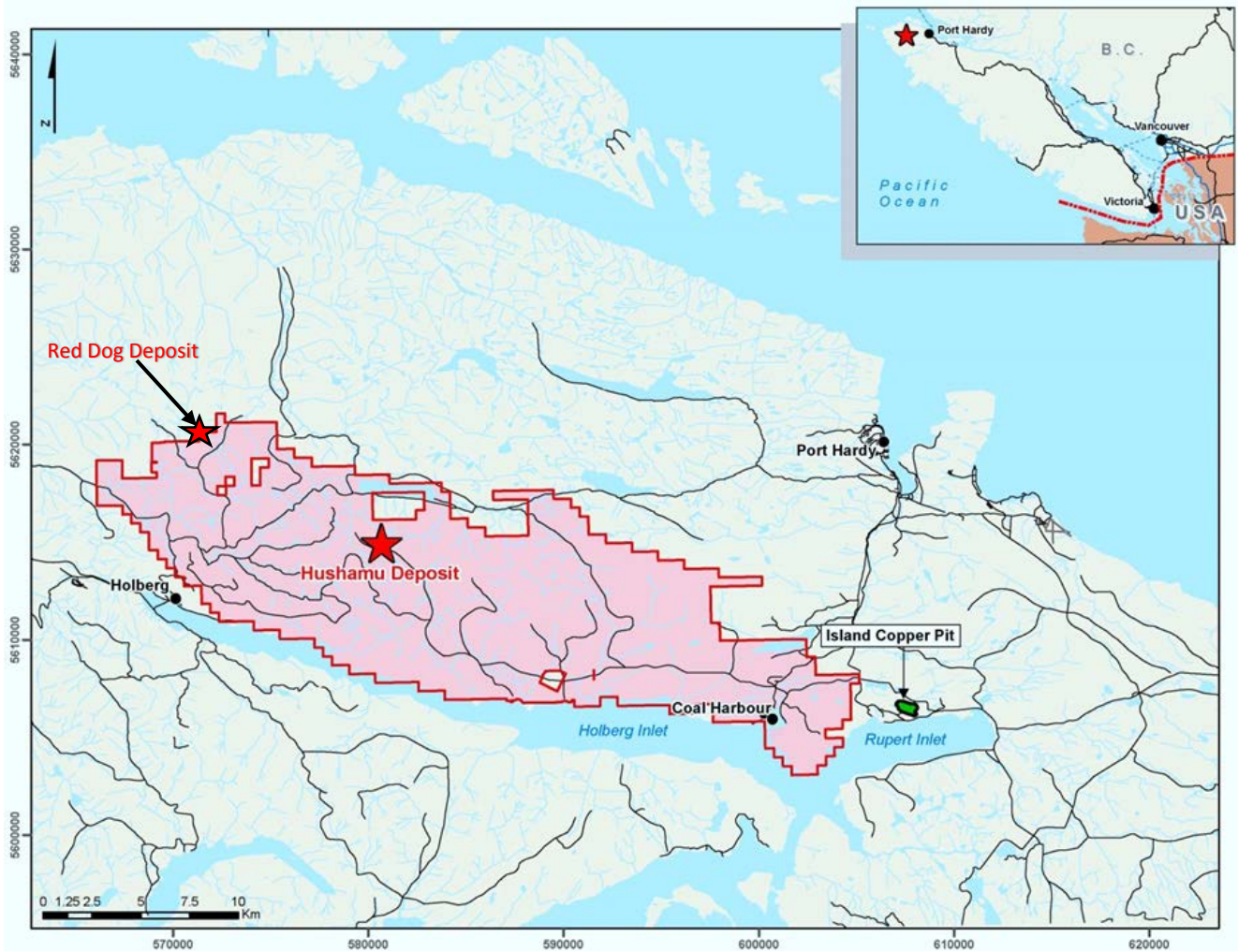
Access to the northeastern part of the claim block is from Port Hardy by the Holberg Road to a point about 45 kilometres from Port Hardy where forestry access road NE 62 leads northward to the Red Dog and NW Expo areas of the claims. The Hushamu deposit is accessed from Port Hardy by a sealed road to Coal Harbour and then well-maintained logging roads (Coal Harbour Main Rd, Wanokana Rd, Hushamu Rd.) which extend to the mouth of the Hushamu Valley. Lesser-used north and northwest sections of Hushamu Main Road lead to Hushamu Lake and Hepler Creek. The top of the Hushamu Mountain is accessed via Clesklagh Rd and decommissioned (semi-permanent in WFP classification) CL130 road

### **3.2 MINERAL TENURE INFORMATION**

The North Island Property consists of two hundred and twelve (212) mineral claims totaling 33,149 ha (Appendix III). The property is located on NTS map sheet 94L/12W and 11E in the Nanaimo Mining Division, approximately 45km west of Port Hardy, BC, Vancouver Island B.C. The geographic coordinates of the approximate property centre are 50 40.5' N latitude 127 51' W longitude (Figures 1, 2 and 2A (Appendix IV)).

The claims are registered in the name of North Island Mining Corp., a wholly owned subsidiary of Northisle Copper and Gold Inc.

# Northisle Copper and Gold Inc.



Location Map North Island Property, Fig. 1



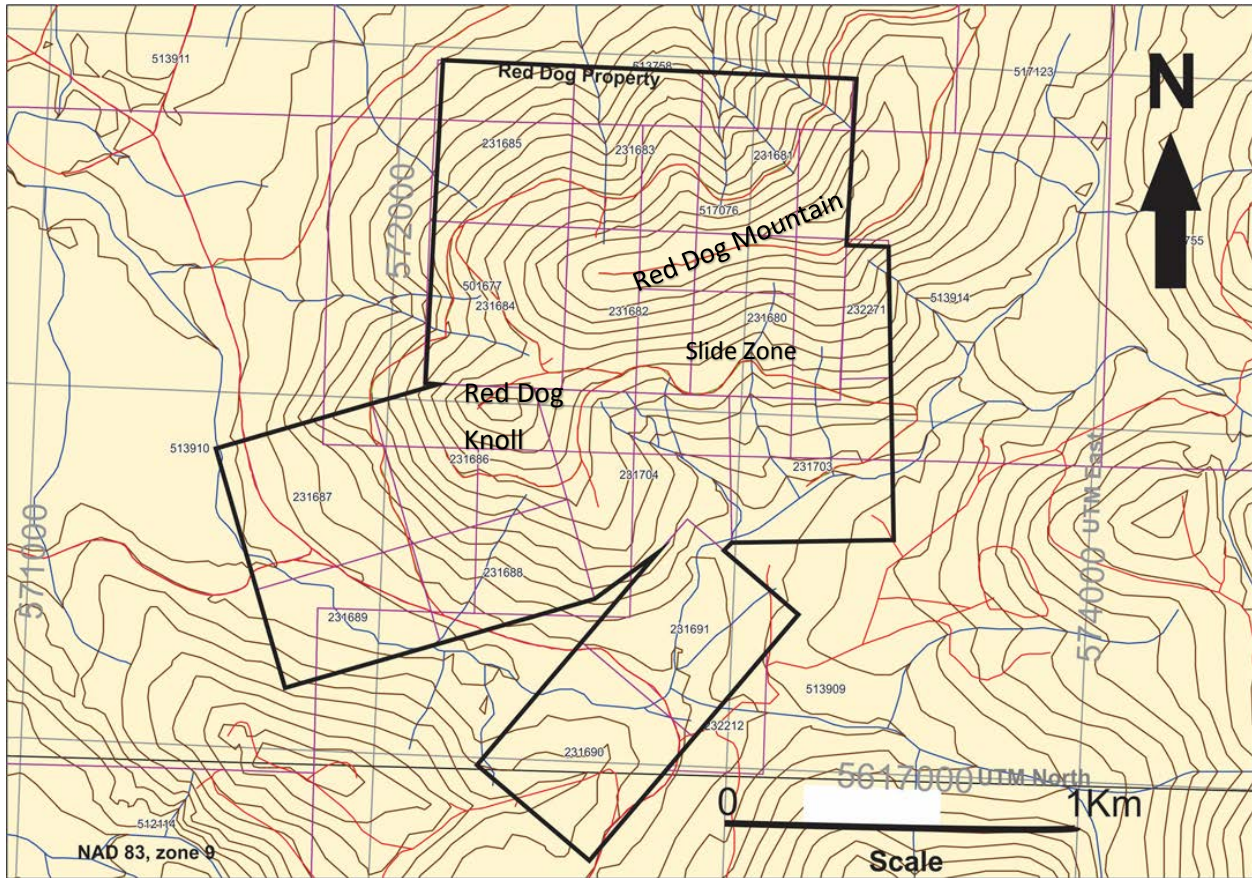


Fig. 2 Red Dog Claim Location Map

### 3.3 PHYSIOGRAPHY AND CLIMATE

The Red Dog area is characterized by moderate relief in the order of 360 metres between valley bottoms and hill tops. Slopes are generally moderate although some areas of the west and south slope of Red Dog Hill are precipitous. The main Red Dog mineralization crops out on the summit of Red Dog Knoll at an elevation of 470 metres.

With the exception of small areas adjacent to the Goodspeed River, the entire area of interest was clear-cut logged and replanted at various times over the past 60 years. Secondary growth is very dense, and movement through the bush away from abandoned roads or creek beds can be difficult particularly in areas of the most recent logging.

The topography in the vicinity of the Hushamu Deposit is characterized by north and north-east trending low ridgelines with broad intervening valleys that typically contain small rivers. Elevations range from 300 to 720 m. above sea level and ridges typically reach 100 to 300 m above valley floors. The Hushamu Deposit is situated in a valley northwest of Hushamu Lake at elevations of approximately 300m. The deposit extends to South-West under the hillside of Hushamu Mountain. The highest peak at Hushamu Mountain is at 690 m.

Vegetation comprises a mix of second and first-growth forest of fir, hemlock, spruce and cedar. Logging has been active across the property for several decades so second growth areas are highly variable in terms of age, density and ease of access. Approximately 50% of the Claim Block have been clear cut. Western Forest Products is the main forestry tenure holder.

Climate in the area of the North Island Property is typical of coastal areas of British Columbia with an annual precipitation of 3,911mm, and a daily average temperature of 8.8°C (Environment Canada, 1971-2000).

Winters are very wet, with 75% of the annual precipitation occurring from October to March, mostly as rainfall at lower elevation (Holberg is at sea level), but with significantly increasing percentage of snowfall accumulation above 300 m elevation. Generally, exploration and development work is possible for most of the year, allowing for a long exploration field season.

## 4.0 HISTORY

The following history of exploration of the Red Dog Claims is modified from Richards (1990):

The Red Dog property is a geochemical find, having been first detected by a regional program in 1962. Follow-up on a 1962 anomaly during the 1966 field season led to the discovery of the mineralization in the bed of a creek and the subsequent staking of the Red Dog claims. Three holes were drilled with a Winkie drill in 1967 but core recovery was very poor.

In 1968, a two stage drilling program was carried out; 1,722 metres in 20 holes, with a soil geochemistry survey run in between stages. In 1970 very-low frequency electromagnetic (VLF- EM) and ground magnetic surveys were completed. Four anomalies located in by the geophysical surveys were tested by 4 diamond drill holes totalling 453 metres. The roads and creeks were geologically mapped. In 1972 the claims were optioned to Cities Services who remapped the property, re-logged the previous drilling and drilled three holes totalling 903 metres. In 1973 Cities Services was joined by Westminex Development. A program of rock geochemistry and 7.7 km. of road I.P. survey were done. Three deep core drill holes were recommended as well as a line I.P. survey, but were not done.

In 1974 Westminex Development drilled the three core holes recommended in 1973, totalling 613 metres as well as 2 Winkie holes.

The property was not worked again until 1982 when Utah Mines optioned it and completed the line I.P. work over the Red Dog Knoll as recommended in 1973, and 664 meters of core drilling in 6 holes in the first stage and 1,059 metres in 6 more holes plus one earlier one deepened. The final work program on the property by Utah Mines was a program of five core holes drilled in the fall of 1983, totalling 779

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metres, to test various I.P. anomalies on the south slope of Red Dog hill. The I.P. anomalies were all found to be caused by a zone of advanced argillic alteration with associated pyrite.

In 1988 Crew Capital Corp. drilled 4 holes on Red Dog hill totalling 1041.8m to test the depth and eastern extent of the mineralization.

In 1989 Moraga Resources Ltd drilled 1850.6 m in 10 new holes, and in deepening one old hole, with the objective delineating the quartz-magnetite breccia on the Red Dog Hill zone.

A final drilling program was undertaken by Moraga in 1990 with the drilling of an additional 1240.88 m. Based on all of the previous drilling in the Red Dog Mineralized body, Richards estimated a resource for the Red Dog Deposit of 20 million tonnes grading 0.30% copper, 0.5 gpt gold and 0.012% molybdenum. This resource estimated pre dates National Instrument 43-101 and does not meet current standards of reporting resources. Additional work including re drilling of some holes was required to confirm the estimate. Moraga completed a scoping study on the mineralization and concluded that the deposit might be feasible as a small open pit mine, but decided to return the property to its owner.

After Moraga relinquished its option, no work was carried out on the property until Northisle acquired an option on the property.

In March 2015, subsequently to optioning the property, Northisle carried out a program of soil and rock sampling and reconnaissance geological mapping on the property. Later in 2015, detailed mapping and TerraSpec analysis was carried out in September to November.

In 2016 Northisle completed a program of confirmation drilling to verify the historical resource at Red Dog. As part of the process of confirming the historical resource, four drill holes were selected from the previous drill programs for re-drilling. Two of the selected holes were from 1980s programs and two were from the drilling programs of the 1990s. In addition to the re-drilling of historical holes, an attempt was made to test for deep porphyry copper and gold mineralization to the south east of the historical resource.

The history of exploration in the vicinity of the Hushamu deposit dates back to Utah's discovery of the Island Copper Deposit in 1967 approximately 30 km to the southwest of Hushamu. In 1967, Utah staked 661 claims along strike from the Island Copper deposit (most of the present-day Northisle Claim Block).

In 1968 as the result of a drilling program to test a copper- in – soil anomaly in the Hushamu Creek valley the Hushamu Deposit was discovered. . Between 1968 and 1977, Utah drilled 76 diamond drill holes at Hushamu deposit area and estimated a resource of at 52.9 Mt grading 0.32% Cu, 0.008% Mo and 0.41 g/t Au, with a stripping ratio of 2.21:1 (BHP, 1975).

In 1980, driven in large part by high gold prices, Utah began to examine the gold potential of the Hushamu Mountain and Pemberton Hills alteration systems, recognizing a potential for Pueblo Viejo-type deposits. Between 1980 and 1985, Utah conducted further detailed soil surveys, extensive rock sampling and

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ground geophysical surveys and drilled 12 drill holes in these areas. Several consultants reviewed the property and examined the potential for epithermal mineralization.

In 1982 and in 1985, 10 additional drill holes totalling 1,454 m were drilled at Hushamu and southeast Hushamu (also known as South-East McIntosh Mountain)

In 1987, BHP-Utah Mines Ltd. (the successor to Utah) granted an option on the Expo Property to Moraga Resources Ltd. (Moraga). Moraga conducted numerous phases of exploration between 1987 and 1994 when Moraga vested in the option agreement.

Moraga focused its drilling efforts on the Hushamu Deposit and nearby McIntosh Mountain area and conducted extensive drilling of this deposit for seven years, eventually completing 45 holes for 13,668 m in six drilling campaigns (Giroux and Pawliuk, 2003).

Additional work done on the Hushamu deposit from 1991 to 1993 consisted of a metallurgical study (Melis and Cron, 1992), a study of ore transport alternatives (Ferne, 1991), a preliminary mining study (Graham, 1993) and a resources calculation (Giroux, 1993). The resource was up-graded to NI 43-101 compliance in 2003 (Giroux and Pawliuk, 2003). These authors concluded that the Hushamu Deposit contains a 231 Mt measured and indicated resource grading 0.28% Cu and 0.31 g/t Au.

In 1991, Jordex Resource Inc. began acquiring shares of Moraga and the two companies eventually merged. In early 1995, Jordex converted its stake in the property to 100% subject to a 10% NPI after recapture of capital (Jordex Annual Report, 1994). (Dasler, 1994; Dasler et al., 1995; DeBari et al., 1999)

During 1994 and 1995, just prior to closure of the Island Copper concentrator, Jordex sought partners to provide capital to bring the Hushamu deposit into production (Jordex Correspondence, 1994-1996). Ultimately, no partner was found and the mill was decommissioned as scheduled. In the following few years, Jordex continued to examine the potential of the Expo Property (Fingler, 1996; Roscoe and Cargill, 1996) and flew a 156km helicopter-borne geophysical survey over the NW Expo area (Woolham, 1997).

Lumina Copper Corp. ("LCC") purchased the holding company Moraga from Jordex in 2003 to acquire the core Hushamu claim holdings. Lumina did little work on Hushamu other than two confirmatory drill-holes in the central part of the deposit, 4 holes drilled to the northeast, re-logging of 12 holes and PIMA analysis to characterize the alteration. In 2006, Lumina merged with Western Copper Corporation.

In August, 2008 IMA Exploration Inc. entered in to an option agreement with Western Copper to earn up to 70% interest in the North Island Copper Property. During the fall of 2008, IMA completed a drilling program at Hushamu consisting of 2 holes totaling 513 metres.

IMA Gold relinquished the option in late 2010. In the fall of 2011, Western Copper through a plan of arrangement, created Northisle Copper and Gold Inc. in order to advance the property. Since 2011, Northisle has re-logged the historical core from Hushamu, carried out additional drilling to better define the northern and southern limits, completed approximately 12 km of induced polarization survey over the projected northwest extension of mineralization and completed a NI 43-101 resource calculation. In 2014, drilling tested the induced polarization anomaly.

## 5.0 GEOLOGY

### 5.1 REGIONAL GEOLOGY

The regional geology of the Rupert area was mapped by Nixon et al. (2006) and the following summary is a synopsis of Nixon's paper. Figure 3 shows the bedrock geology of northern Vancouver Island. Vancouver Island is comprised of Upper Paleozoic to Lower Mesozoic rocks of Wrangellia – a tectonostratigraphic terrane that occurs discontinuously northward as far as central Alaska. This terrane was amalgamated to the Alexander Terrane of the Alaskan Panhandle (together comprising the Insular Superterrane) by Late Carboniferous time. Subsequently, these terranes were accreted to North America between the Middle Jurassic and the mid-Cretaceous. Thus, Vancouver Island records an early allochthonous history, and a later history with commonality to the North American margin.

The pre-accretion history of Wrangellia is represented by the Paleozoic Sicker Group and the Middle Triassic Karmutsen Formation. The Sicker Group comprises marine Devonian to Early Permian volcanic and sedimentary rocks that host VMS deposits such as at Myra Falls. The Karmutsen conformably overlies the Sicker Group and comprises basaltic and minor sedimentary rocks that underlie about 50% of Vancouver Island. This unit is up to 6000 m thick. Richards et al. (1991) argued that the Karmutsen was initiated by, and extruded above a mantle plume and recent geochemical data support an oceanic plateau origin for the Karmutsen (Greene et al., 2006). The Karmutsen is in turn conformably overlain by the Quatsino Formation of limestone consistent with a period of quietude following impingement of a mantle plume.

The Bonanza Arc (DeBari et al., 1999) formed along the length of Vancouver Island during accretion of Wrangellia. Owing to later tiling, products of this arc from various crustal depths are all preserved. These include the Westcoast Crystalline Complex, Island Intrusions and the Bonanza Group volcanic rocks. DeBari et al. (1999) argue that all these components have similar ages and geochemical signatures and that they are therefore all products of a single arc. Ages for these rocks range from ca 190 to 169 Ma. Intrusive rocks of the Island Intrusions are responsible for porphyry copper mineralization on Vancouver Island.

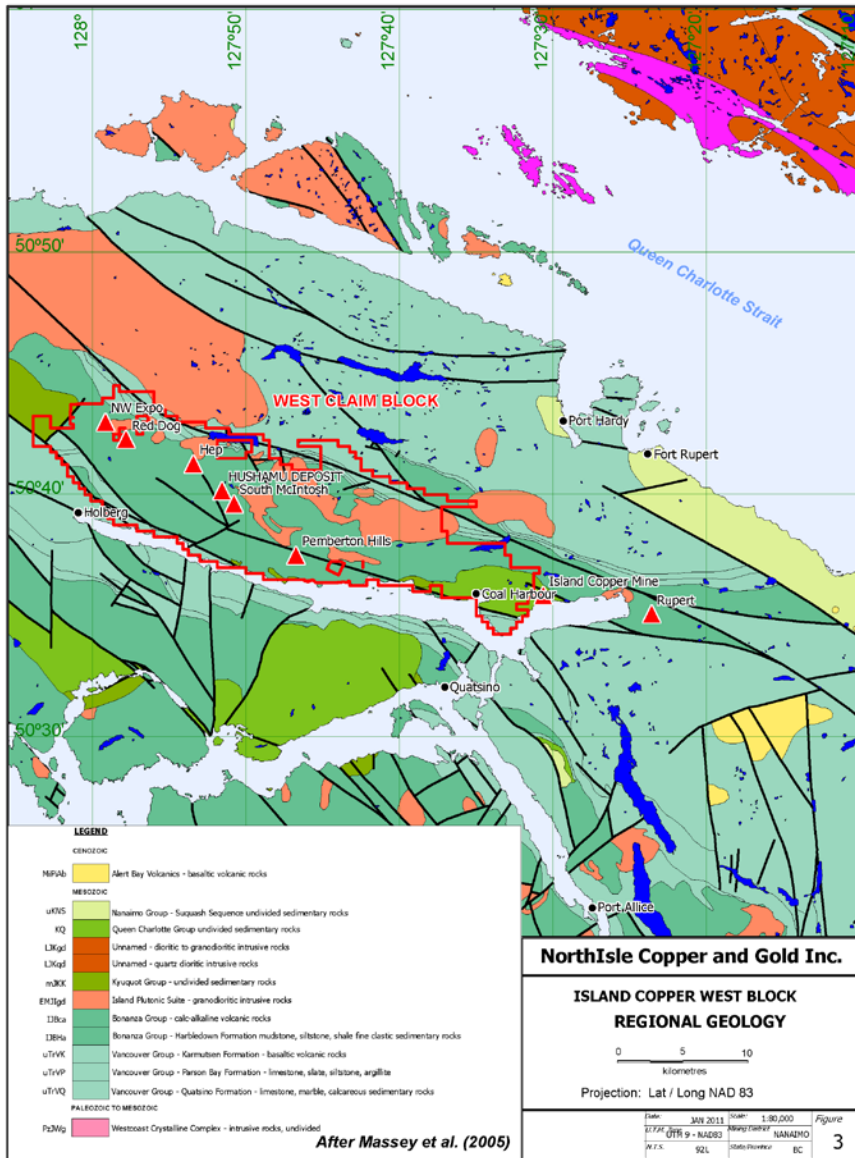


Fig. 3 Regional Geology

## 6.0 DRILLING

The 2017 drill program was carried out in two different areas of the claim block. A single hole was drilled at south of the Red Dog property while the bulk of the drilling was done at the Hushamu deposit. Six holes were completed for a total of 1846 metres as listed in the table below.

Hole No.	Location	Azimuth	Length metres	UTM East	UTM North
RD 17-01	Red Dog	290	290	573114	5617519
H 17-01	Hushamu	240	150	581028	5614213
H 17-02	Hushamu	180	417.1	580750	5613802
H 17-03	Hushamu	360	439	580891	5613564
H 17-04	Hushamu	180	324.6	580982	5613605
H 17-05	Hushamu	005	225.3	581126	5613072

The location of the drill holes are shown on Fig. 4 and 5. Drill and strip logs are provided in Appendix I and II and assay certificates are in Appendix V. Core from the 2017 drill program is stored at Northisle’s core logging facility located in the Quatsino Industrial Site near Coal Harbour BC. Sections with the drill holes plotted are shown in Figures 6 through 11 located in Appendix VI.

## **6.1 RED DOG AREA**

Drill hole RD17-01 tested for deeply buried copper – gold porphyry mineralization south of the Goodspeed River approximately 800 metres southeast of the Red Dog Knoll. The hole was placed at the end of a forestry access road in a small landing. The hole was angled steeply to the northwest (290°) with a planned minimum depth of 600 metres. The hole was lost prematurely through driller error.

The core hole encountered 62 metres of glacio-fluvial sands, gravel and silt before encountering bed rock. The principal lithology from 62 metres is Bonanza Group volcanic rocks, which in the interval from 62 to 227 metres is tuff-breccia and lesser lapilli and crystal ash tuff. From 227 metres the hole cut an andesite flow. The Bonanza rocks are cut by two sets of dykes: and older feldspar porphyry and a younger basalt. The feldspar porphyry consists of 30 to 35% tabular plagioclase phenocrysts. Although the feldspar porphyry could be a flow, the sharp contacts where not faulted and xenoliths suggest it is a dyke. Where observed, the contact with the Bonanza Group is at 80° to the core axis suggesting a steep to near vertical dip. The basalt dykes post-date alteration and occur in 2 metre or less thick dykes that cut the Bonanza Group at 50° to the core axis. From 62 to 143 metres the rock is intensely fractured and faulted with a dominant angle to the core axis of 45°. It is likely that this fault zone is one of the westerly to northwesterly striking normal faults documented in the 2015 and 2016 work programs on the Red Dog property (McClintock, 2015, 2016).

The dominant alteration is advanced argillic alteration, termed SCP on the property. It consists of pyrophyllite, clays, pervasive silicification and 10 to 15% pyrite based on the sulphur content of the rock. In the upper intensely faulted part of the hole, the SCP is over printed by later clay alteration due to a supergene alteration caused by partial oxidation of pyrite. Minor intervals of chlorite-magnetite alteration and propylitic alteration occur below 155 metres. These intervals are less than 2 metres in length.

Sulphide mineralization is dominantly pyrite mainly as disseminations with lesser pyrite stringers and veins. Minor chalcopyrite and possible very fine grained covellite or bornite is also present. Two intervals of the core have elevated copper and gold values. The upper most is from 118 to 126 metres, which averaged 818 ppm copper and 100 ppb gold. The lower interval averaged 875 ppm copper and 114 ppb gold from 154 to 192 metres.

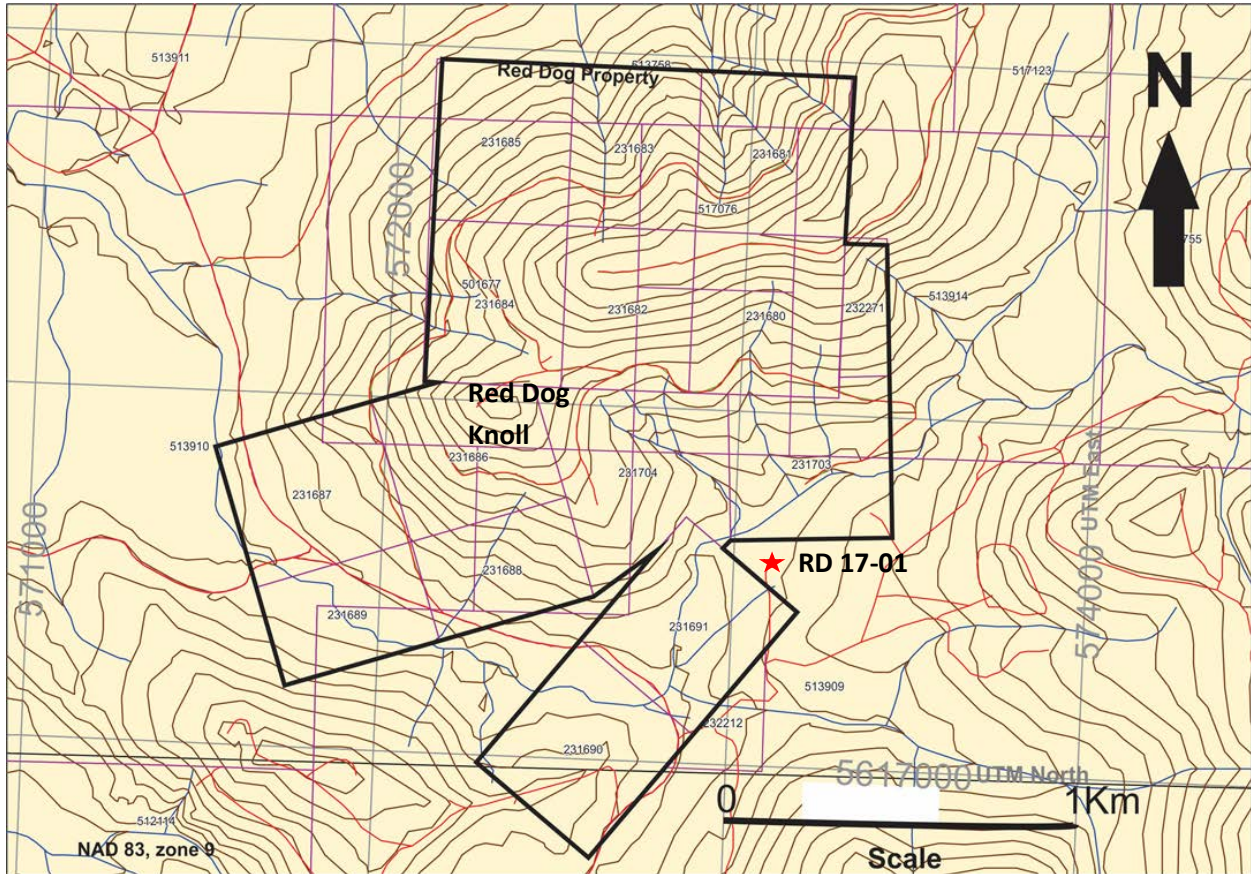


Figure 4: Red Dog Drill Hole Location Plan

## 6.2 HUSHAMU AREA

Five holes tested the Hushamu deposit. Core hole H17-01 collected a metallurgical sample. Core holes H17-02, H17-03 and H17-04 tested an area of the Hushamu deposit previously determined to be low-grade mineralization based on three widely spaced vertical historical holes.



The site for core hole H17-01 was selected to get mineralization typical of the two main alteration types present in the deposit; chlorite – magnetite (CMG) and sericite-clay-pyrite (SCP).

Holes H17-02, H17-03 and H17-04 were all angle holes designed to test the theory that the low grades found by earlier drilling was due to the historical holes passing down steeply dipping to near vertical late mineralization breccia bodies cutting copper-gold-molybdenum-rhenium mineralization. The angle holes were placed and orientated to determine the thickness and numbers of the late mineralization dykes.

The three holes intersected similar lithologies with all but one lithology being part of the Bonanza Group andesitic rocks. The exception is a post mineralization basalt, which is volumetrically insignificant. An intrusive feldspar porphyry is also present and predates the mineralization event. Like the basalt, it is volumetrically insignificant.

The Bonanza andesitic rock consists of tuff breccia, tuff and minor flows. Intense hydrolytic alteration makes recognition of primary textures difficult. Two types of breccia are present. Halle and Halle (2012, 2011) describe the main breccia (HTBX) as a hydrothermal breccia; however, as the primary rock was tuff-breccia and lapilli tuffs, it is possible that some if not a large part of the hydrothermal breccia may simply be intensely hydrolytically altered tuffs. The HTBX is strongly altered to an advanced argillic facies, which consists of pervasive and vein-type silicification, pyrophyllite, dickite and disseminated and vein pyrite given the property name of SCP. The SCP is often well mineralized with chalcopyrite, covellite, bornite and locally enargite. The second breccia (BRXX) is a diatreme occupying dyke-like bodies. The diatreme consists of sub angular to sub rounded clasts of various types of Bonanza Group rocks. The diatreme postdates the HTBX as evident by clasts of HTBX within the BRXX. Based on this year's drilling, the BRXX occurs in westerly to northwesterly striking very steeply dipping dykes with widths from a couple of metres to over 30 metres.

Alteration associated with the BRXX is zunyite-dickite flooding, pervasive silicification. Pyrite and other sulphide minerals are not present except in clasts of HTBX incorporated in the diatreme. The alteration associated with the BRXX was originally given the property name SCZ standing for Silica Clay Zunyite. This was later changed to LEACH to indicate the pyrite destruction associated with the over printing of the SCZ on the earlier sulphide rich SCP alteration and also for deep surface oxidation. The SCZ alteration is not confined to the BRXX dykes and forms an envelope of replacement of the SCP that surrounds the BRXX. This pervasive SCZ alteration can extend several metres away from the late breccia. The SCZ alteration is also associated with fracture zones cutting through the SCP altered HTBX. These maybe incipient breccia zones where fluids responsible for the SCZ alteration did not have sufficient energy to brecciate its wall rock.

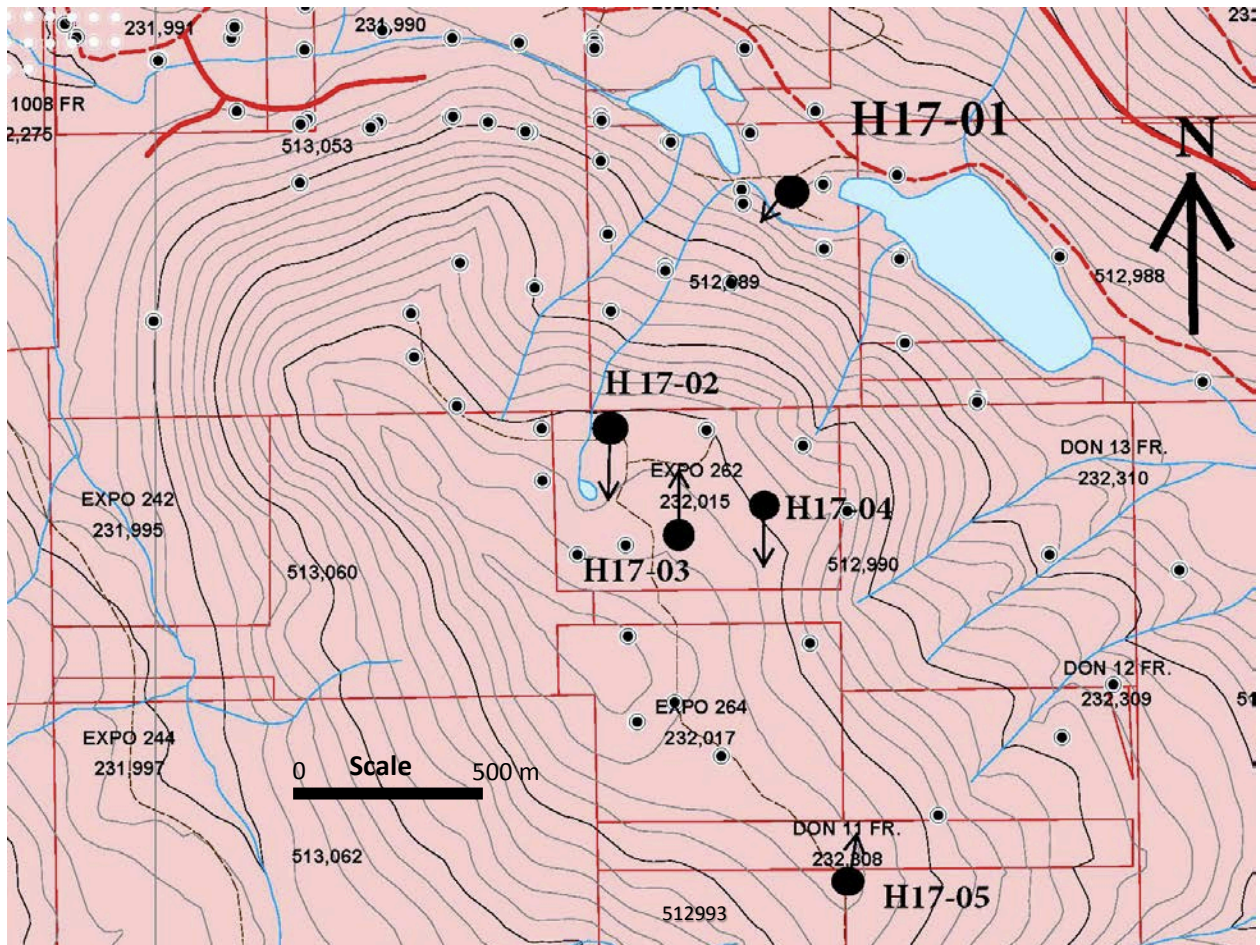


Figure 5 Hushamu Area Drill Hole Locations

The main structures noted were fault and fracture zones that strike westerly to northwesterly with 50 to 60° northerly dips. Based on the southerly oriented drill holes, the fault zones are generally less than a few metres thick. These fracture / fault zones are important as deep oxidation has occurred along them to depths over 150 metres vertically from surface. H17-03 entered one such fracture zone and was deeply oxidized to over 250 metres in the hole.

Analyses of the core show copper, gold and molybdenum mineralization is present in the SCP altered HTBX and andesite tuffs where not destroyed or overprinted by the BRXX and its associated SCZ alteration or the deep oxidation along fractures. This has an important implication for the economics of this part of the deposit as based on the earlier drilling, this part of the deposit was assumed to be all below cut-off grade. It had also been previously assumed that all copper mineralization had been leached from the upper 150 metres of the southern part of the deposit. This year's drilling shows that the leaching of copper is restricted to narrow fault zones and a significant part of the previously supposed leach cap may contain above cut-off grade copper. Additional southerly oriented angled drill-holes will be required to confirm the true extent and grade of the copper, gold and molybdenum mineralization in the Leach Cap that is above cut-off grade.

## Northisle Copper and Gold Inc.

**Table of Significant Mineralized intersections in H17-02, H17-03 and H17-04.**

Hole	From (m)	To (m)	Width (m)	Gold (gpt)	Copper %	Molybdenum %
<b>H-17-02</b>	<b>48</b>	<b>186</b>	<b>138</b>	<b>0.23</b>	<b>0.16</b>	<b>0.007</b>
including	48	117	69	0.30	0.19	0.007
including	135	186	51	0.18	0.16	0.007
<b>H-17-03</b>	<b>12</b>	<b>129</b>	<b>117</b>	<b>0.25</b>	<b>0.10</b>	<b>0.013</b>
including	12	30	18	0.25	0.22	0.016
including	105	129	24	0.32	0.21	0.005
	<b>348</b>	<b>439 (EOH)</b>	<b>91</b>	<b>0.16</b>	<b>0.12</b>	<b>0.013</b>
including	408	439	31	0.20	0.15	0.007
<b>H-17-04</b>	<b>9</b>	<b>102</b>	<b>93</b>	<b>0.22</b>	<b>0.06</b>	<b>0.011</b>
	<b>282</b>	<b>324 (EOH)</b>	<b>42</b>	<b>0.24</b>	<b>0.06</b>	<b>0.009</b>

Core hole H17-05 was drilled to test for continuation of copper, gold and molybdenum mineralization to the southeast of the known deposit. Indication of mineralization continuing to the south east was suggested by a shallow historical hole drilled about 200 metres to the northeast of the collar of H17-05.

The drill-hole cut mainly SCP altered Bonanza Group tuffs and tuff breccia with lesser amounts of HTBX. Two narrow dykes of SCZ altered BRXX are present. Unlike the three holes drilled to the northwest, the late destructive SCZ alteration is confined to the BRXX unit. The upper part of the hole encountered intensely fractured and faulted rock. The inability of the drillers to cope with the fractured nature of the upper part of the hole led to the premature abandoning of the drill hole.

Copper, gold and molybdenum values in the hole are encouraging particularly as the grades of the metals were increasing towards the end of the hole.

Hole	From (m)	To (m)	Width (m)	Gold (gpt)	Copper %	Molybdenum %
<b>H-17-05</b>	<b>102</b>	<b>225(EOH)*</b>	<b>123</b>	<b>0.22</b>	<b>0.11</b>	<b>0.010</b>
including	201	225(EOH)*	24	0.21	0.17	0.013

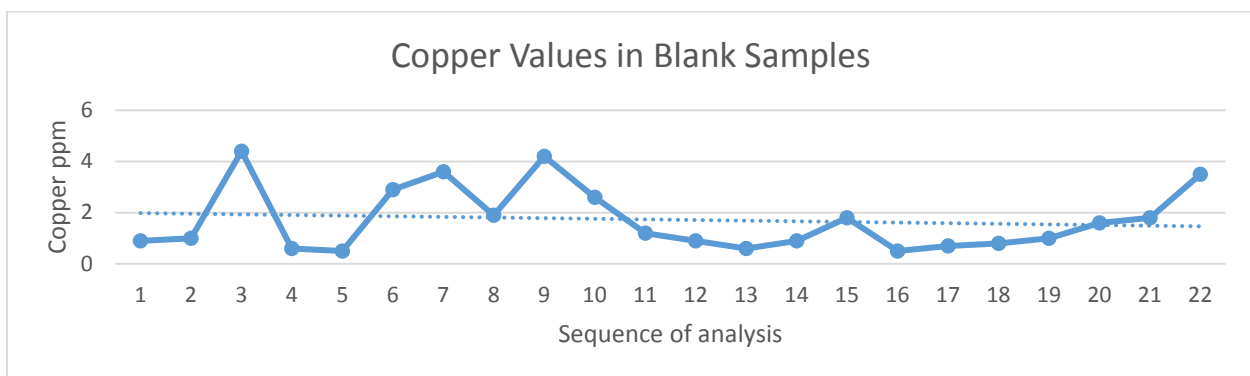
The hole should be re-drilled to its originally planned depth of 400 metres. A further 100 metre step out hole to the southeast is also recommended.

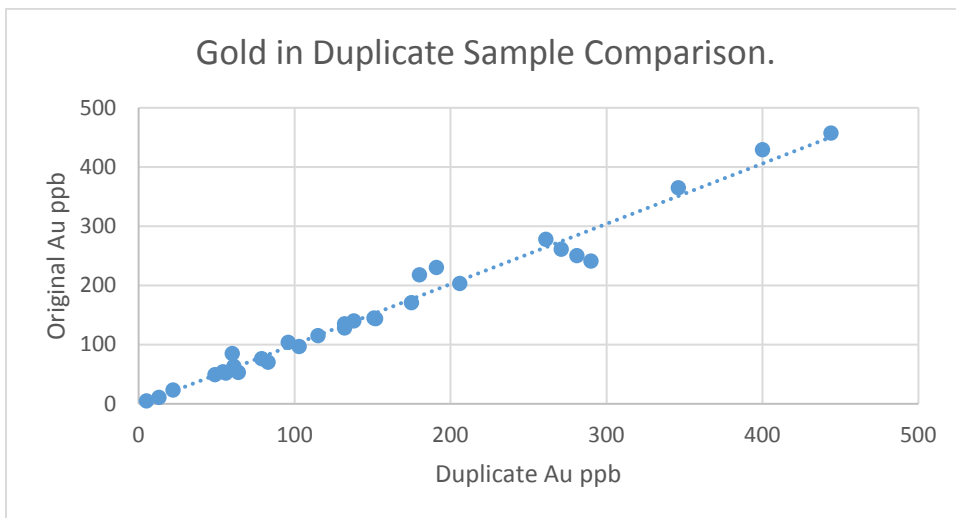
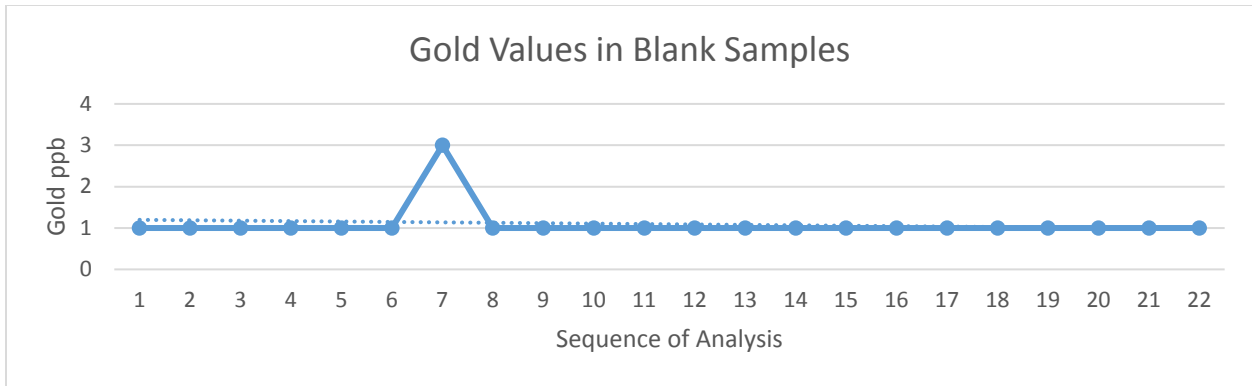
### 6.3 QUALITY CONTROL / QUALITY ASSURANCE

Core from this year’s program was placed by the drillers in to plywood boxes carefully marked with box number, sample interval and with wooden blocks to show the start and finish of runs. Lids were nailed on the top of the boxes and a geologist then transported the core by truck to Northisle’s core facility at the Quasino Industrial Site near Coal Harbour. At the core facility, the box lids were removed and the core carefully cleaned, logged for geotechnical information, geology and assay intervals marked out. A cut line was marked down the core for the core cutters to follow. One half of the cut core was placed in a plastic bag with a sample number and the other half returned to the core box. Five samples bags were placed in rice bags and once four such rice bags were accumulated they were placed on a palette and wrapped in cellophane. Once a week, the samples were picked up by VanKam Freight for shipment to BLV laboratories in Vancouver for analysis. At BLV laboratories, the samples were analysed for gold and 45 other elements. Gold analysis was by fire assay preparation with ICP finish. The other elements were analysed by ICP mass spectrometry.

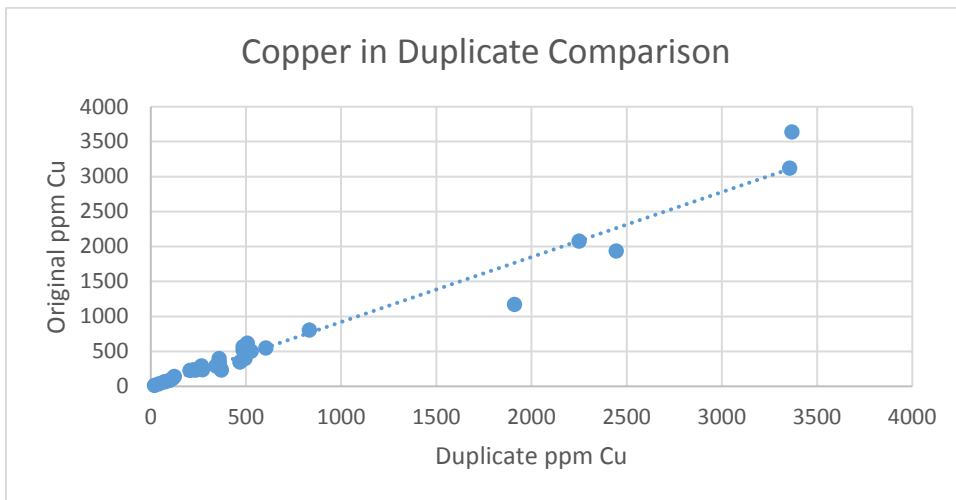
To ensure quality control on the analysis of samples of core standards and blank pulps were inserted into the sample stream. The standard pulps consisted of a low standard and a high standard. One of each was inserted with every 20 core samples. Due to a laboratory mix up by the supplier of the standard, the high sample inadvertently included some samples with near blank values. For this reason, the high standard (Standard 185) was not used for QA/ QC in this program. A further QA / QC check, a coarse blank sample was included with each group of 20 samples. The duplicates consisted of quartering rather than halving the core. One quarter was shipped with the other samples while the other quarter was held back and sent to the laboratory in a later shipment.

The QA / QC program did not identify any problems or inconsistency in the analyses of samples. There was a slight drift with time in copper values. Plots showing the results of the check sampling are presented below:

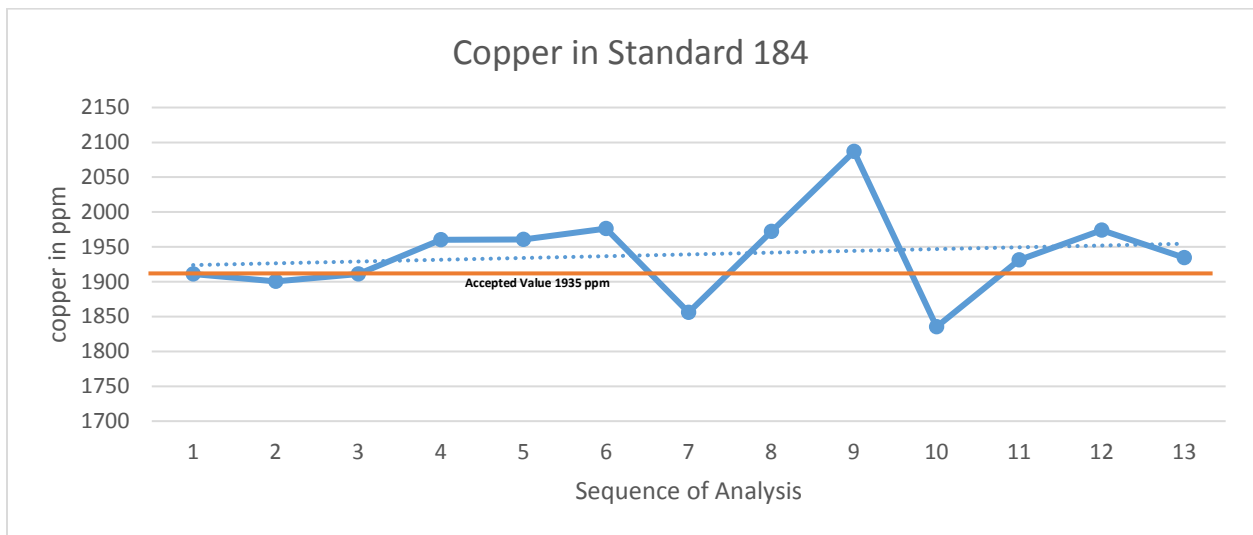
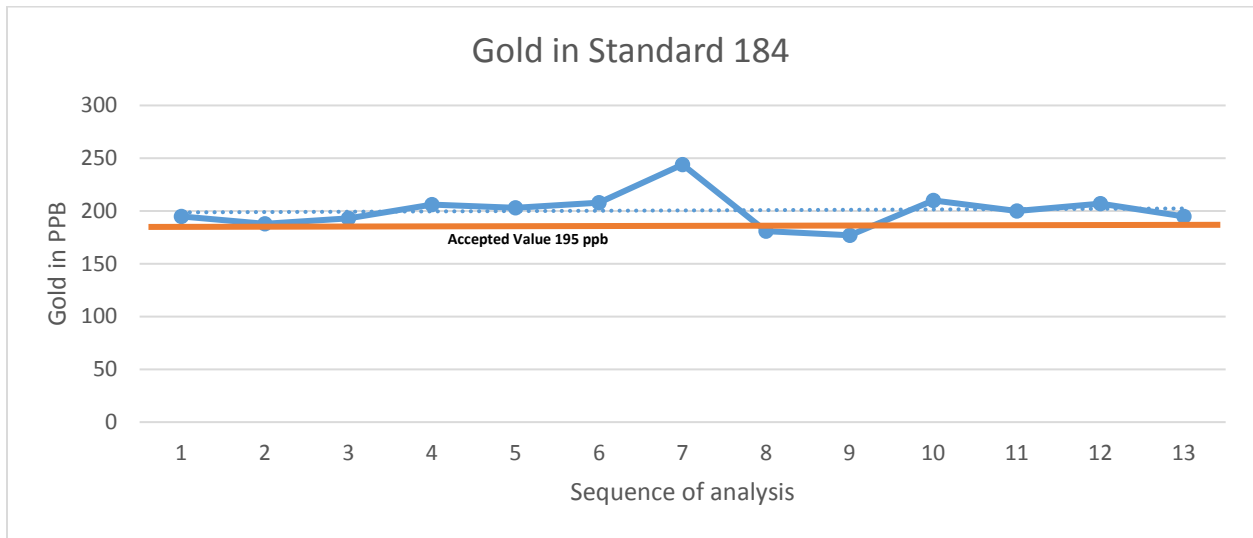




Correlation coefficient = 0.985



Correlation Coefficient = 0.982



## **7.0 CONCLUSIONS**

The drill-hole at Red Dog was inconclusive as it was lost at a depth of 290 metres well short of its planned depth of 600 metres. Nevertheless, high-level porphyry type alteration and promising copper and gold grades were encountered. The presence of incipient intermediate argillic alteration (CMG) below a depth in the hole of 150 metres is also encouraging and warrants another attempt to get a core hole down to 600 metres.

The three drill-hole test in the south central part of the Hushamu deposit demonstrates that this previously supposed low-grade area contains appreciable copper, gold and molybdenum mineralization. This year's test confirmed that the three historical vertical holes, upon which the low grade nature of the area was based, had passed along near vertical post mineral breccia dykes and their associated sulphide destructive alteration. Further, the 100 to 150 metre thick previously assumed Leach Cap in the southern area of the deposit contains significant areas of copper, gold and molybdenum sulphide mineralization. Oxidation and leaching of sulphide were found to be restricted to relatively narrow north-easterly dipping fault zones. Determining the amount of mineralization above cut-off between the 3 historical drill hole and what part of the previously assumed Leach Cap is actually mineralization will require in-fill drilling of southerly oriented angle holes.

Hole H17-05 demonstrated copper, gold and molybdenum mineralization remains open to the southeast. Deepening of H17-05 should be done to a depth of 400 metres. A further 100 metre step out hole to the southeast is also recommended.

## **8.0 RECOMMENDATIONS**

Infill drilling is recommended in and around the H17-02, 03 and 04 and for the southern part of the Hushamu deposit within the area currently defined as Leach Cap. This drilling is required to accurately determine the grades and tonnage of this part of the deposit. A step out hole placed 100 metres southeast of H17-05 is also recommended.

Another attempt to test for a deeply buried porphyry system is recommended at Red Dog. Any such test should take in account the presence of the deep cover that thwarted this year's attempt and the hole should be collar 100 metres northwest of RD17-01.

## 9.0 STATEMENT of COSTS

### Preparatory Work

J McClintock \$ 3,000.00

### Field Related

#### Wages

J McClintock, P. Eng	Supervision, logging and data management : 15 May to 31 Aug.	137 hours at \$125 per hour	\$ 17,125.00
B Game, P. Geo	Core Logging: 3 June to 14 July	40.5 days @ \$700 per days	\$ 28,331.97
B Mcdonald, BSc	Site logistics, set up and demob: 15 May to 2 June, 13 July to 25 July	29.25 days @ \$600 per day	\$ 17,546.55
M McClintock, BSc	Core Logging-geotech: 1 June to 13 June, 16 June to 4 July	31.5 days @ \$450 per day	\$ 14,160.95
S Seilers, BSc	Core Logging-geotech: 11 June to 16 June, 6 July to 11 July	12 days @ \$450 per day	\$ 5,400.00

Accomodation Port Hardy May through 18 August \$ 7,532.20

Travel / transportation / meals \$ 4,493.41

Core facility rental/ sanitation / electrical \$ 21,652.67

Core cutting / security #688357 BC Ltd. \$ 11,224.35

Groceries \$ 302.54

Truck (two), fuel, maintenance \$ 4,762.35

Misc. field supplies, PPE, saw baldes, flagging tape etc. \$ 3,870.85

Drilling charges Peak Drilling \$ 310,530.10

Fuel for drill \$ 14,061.52

Core boxes and transportation \$ 3,129.93

Analyses BVL Labratories \$ 31,036.83

Freight samples to BLV \$ 4,476.80

Road construction, pads and drill moves North Island Rock Pro \$ 34,612.50

Communications phone / internet \$ 800.89

### Report

J McClintock \$ 2,500.00

GIS Wolf Bear Geological \$ 1,129.52

\$ 541,680.93



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## **11.0 CERTIFICATION**

I, John McClintock, residing at 902 – 1470 Pennyfarthing Drive, Vancouver, British Columbia, do hereby certify that:

1. I am a consulting Geologist;
2. I obtained a BSc (Hons) from the University of British Columbia in 1973 and an MBA from Simon Fraser University in 1989;
3. I have continually practised my profession as a geologist since 1973;
4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia registration number 12078;
5. I visited the property at various times from 15 May to 31 August, 2017 and supervised the work carried out on the property;
6. I own shares and have share options in Northisle Copper and Gold Inc. and am the President of the company.

Dated and signed at Vancouver, British Columbia, December 21, 2017

**Appendix 1**  
**Drill Logs**



# GeoSpark Logger ~ Drill Log

**Project:** Hushamu **Hole Number:** H17-01

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/9/2017
Easting:	581028	Azimuth:	240	Date Completed:	6/11/2017
Northing:	5614213	Dip:	-60	Drill Company:	Peak
Elevation (m):	318	Length (m):	150	Drill Rig:	
Hole Type:	DD			Drill Started:	6/7/2017
Hole Diameter:				Drill Completed:	6/10/2017
Core Size:	HTW	Comments:			
Casing Pulled?:	<input type="checkbox"/>	Metallurgical hole.			
Casing Depth (m):					

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
69	-59.8	236.8	17.25	254.05	ReflexEZS	Unknown		48222	<input type="checkbox"/>	Azimuth affected by magnetics; CMG
120	-60.1	228.9	17.25	246.15	ReflexEZS	Unknown		56462	<input type="checkbox"/>	SCP with some CMG; magnetic
150	-60.2	225.8	17.25	243.05	ReflexEZS	Unknown		55168	<input type="checkbox"/>	Good survey; no CMG

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>0.00</b>	<b>39.00</b>	<b>OVER Overburden</b>								
0 - 39: Casing to 34.5m. Bedrock probably starts at 39m, but recovery from 39-42m is approximately 15-20%.										
<b>39.00</b>	<b>45.95</b>	<b>ANTF Tuffaceous Andesite green FG</b>								
39 - 45.95: CMG altered andesite tuff. Mottled texture; very poor rock quality with core broken into <5cm pieces. Magnetite as disseminations in chloritic clots and rare mm-scale veinlets; fine grained disseminated and fracture controlled pyrite; trac to 1% cp as disseminations and wormy veinlets in chloritic patches; lower fault contact with SCP andesite.										
<<Min: 39 - 45.95: 5% pyrite / 0.75% chalcopyrite / 10% magnetite / 20% chlorite>>										
<<Alt: 39 - 45.95: moderate to strong Chlorite-Magnetite (+/- Si) / trace Silica-Clay-Py>>										
<<Vein: 39 - 45.95: 0.5% Pyrite / 0.5% Magnetite / 0.5% Quartz>>										
<b>45.95</b>	<b>50.10</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	46.00	48.00	N254217	0.452	0.251	2431.4	93.5	9.44
45.95 - 50.1: SCP andesite tuff. Core still very broken, poor rock quality. Abundant cm to dm-scale wide pyrite-sericite gouge; locally pervasive yellow-brown patchy pyrophyllite. Abundant pyrite with trace disseminated and wormy cp. Abrupt lower contact (broken) with CMG andesite.										
<<Min: 45.95 - 50.1: 8% pyrite / 0.5% chalcopyrite / 0.5% magnetite / 4% pyrophyllite / 0.5% dickite / 40% silicification>>										
			48.00	50.00	N254218	0.375	0.267	1928.5	105.6	6.85

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 45.95 - 50.1: weak Chlorite-Magnetite (+/- Si) / moderate to strong Silica-Clay-Py / trace Dickite (overprint/infill)>> <<Vein: 45.95 - 50.1: 0.5% Pyrite>> <<Struc: 45.95 - 46.7: moderate to strong Fault Zone 35 deg. >> pyrite-sericite gouge <<Struc: 50.07 - 50.1: moderate Contact 70 deg. >>			50.00	52.00	N254219	0.336	0.256	2297.9	81.5	7.38
<b>50.10</b>	<b>52.85</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	52.00	54.00	N254221	0.29	0.219	2224.5	67.7	7.49
50.1 - 52.85: CMG andesite tuff with patchy SCP overprint. Continued poor rock quality with core broken into <10cm pieces Mostly CMG andesite with clasts and fragments of SCP. Some narrow, <3cm cl-ser-py gouge zones; 5-10% py in SCP fragments; trace fine grained cp in chlorite-magnetite intervals; gradational to SCP andesite.  <<Min: 50.1 - 52.85: 6% pyrite / 0.75% chalcopyrite / 5% magnetite / 3% pyrophyllite / 30% chlorite / 20% silicification>> <<Alt: 50.1 - 52.85: moderate Chlorite-Magnetite (+/- Si) / weak Silica-Clay-Py>> <<Vein: 50.1 - 52.85: 0.5% Quartz / 0.5% Pyrite / 1% Magnetite>> <<Struc: 52.82 - 52.85: strong Contact 80 deg. >> Fault contact			54.00	56.00	N254222	0.536	0.137	2853.5	222.1	8.23
<b>52.85</b>	<b>57.50</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	56.00	58.00	N254223	0.468	0.206	1931.5	113.3	7.48
52.85 - 57.5: SCP andesite. Fine grained; buff to grey; locally pitted from clay washing out. Texturally destroyed to locally vaguely tuffaceous; continued poor rock quality. Several narrow, <3cm py-ser gouge zones. Abundant pyrite with trace disseminated and wormy cp; trace dickite gouge with ultra trace fine grained Mo? Gradational to CMG/SCP andesite.  <<Min: 52.85 - 57.5: 10% pyrite / 0.75% chalcopyrite / 5% pyrophyllite / 1% dickite / 0.1% molybdenite / 3% pyrophyllite / 50% silicification>> <<Alt: 52.85 - 57.5: trace Chlorite-Magnetite (+/- Si) / strong Silica-Clay-Py / weak Dickite (overprint/infill)>> <<Vein: 52.85 - 57.5: 1% Quartz / 1% Pyrite>> <<Struc: 56.9 - 56.97: moderate to strong Gouge 85 deg. >>			58.00	60.00	N254224	0.336	0.205	1683.6	79.1	8.65
<b>57.50</b>	<b>62.30</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	60.00	62.00	N254225	0.257	0.219	1881.6	65	8.32
57.5 - 62.3: SCP +/- CMG andesite. Mostly SCP andesite tuff with cm to rare dm-scale CMG clasts and irregular fragments; abundant cl-ser-py gouge zones; abundant py with trace disseminated and wormy cp; disseminated magnetite with trace disseminated cp in CMG fragments; sharp fault contact with SCP andesite at 60 to CA.  <<Min: 57.5 - 62.3: 10% pyrite / 0.75% chalcopyrite / 3% magnetite / 4% pyrophyllite / 1% dickite / 10% chlorite / 40% silicification>> <<Alt: 57.5 - 62.3: weak to moderate Chlorite-Magnetite (+/- Si) / moderate to strong Silica-Clay-Py / weak Dickite (overprint/infill)>> <<Vein: 57.5 - 62.3: 1% Quartz / 2% Pyrite / 1% Magnetite>> <<Struc: 59.1 - 59.14: moderate Gouge 65 deg. >> <<Struc: 61.3 - 61.48: moderate Shear zone 60 deg. >>			62.00	64.00	N254226	0.585	0.147	1063.4	214.7	5.44
<b>62.30</b>	<b>64.65</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	64.00	66.00	N254227	0.845	0.198	1986.6	127.9	8
62.3 - 64.65: SCP andesite tuff. As per 52.85 to 57.5m; core not pitted.										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Min: 62.3 - 64.65: 10% pyrite / 0.75% chalcopryrite / 4% pyrophyllite / 1% dickite / 50% silicification>> <<Alt: 62.3 - 64.65: / intense Silica-Clay-Py>> <<Vein: 62.3 - 64.65: 2% Pyrite>> <<Struc: 62.3 - 62.4: moderate to strong Contact 80 deg. >> fault contact <<Struc: 64.62 - 64.65: strong Contact 55 deg. >>										
<b>64.65</b>	<b>77.00</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	66.00	68.00	N254228	0.395	0.281	2249.4	75.7	7.7
64.65 - 77: CMG/SCP andesite tuff; texturally desroyed CMG andesite with discrete dm-scale wide bands/veins and fragments of overprinted SCP. Bands/veins at 50-70 to CA; irregular fragments at low angle to CA. Quartz veining in CMG becomes more prominent in this interval with cp +/- Mo. SCP with > py and dickite; rock quality improved but still numerous cm-scale wide cl-ser-py gouge zones; transitional to CMG andesite.										
<<Min: 64.65 - 77: 5% pyrite / 0.75% chalcopryrite / 10% magnetite / 0.1% molybdenite / 1% dickite / 3% pyrophyllite / 30% chlorite>>										
<<Alt: 64.65 - 77: strong Chlorite-Magnetite (+/- Si) / moderate Silica-Clay-Py / weak Dickite (overprint/infill)>>										
<<Vein: 64.65 - 77: 3% Quartz / 1% Quartz-Carbonate / 1% Pyrite / 2% Magnetite>>										
<<Struc: 67.75 - 68.07: moderate to strong Gouge 70 deg. >>										
<<Struc: 68.22 - 68.32: moderate to strong Gouge 70 deg. >>										
<<Struc: 70.3 - 70.35: strong Gouge 45 deg. >>										
<<Struc: 72.35 - 72.37: moderate to strong Brittle Fracture 45 deg. >>										
<<Struc: 75.95 - 76.1: moderate Local Gouge 70 deg. >>										
<b>77.00</b>	<b>82.30</b>	<b>ANTF Tuffaceous Andesite green FMG</b>	78.00	80.00	N254235	0.579	0.415	3937.9	116.9	8.86
77 - 82.3: CMG andesite tuff with vaguely porphyritic interval from 79.2 to 80.7m, probable QFPP. Continued mm to cm-scale wide grey-white quartz veining. Strongly magnetic with very fine grained cp in chlorite/magnetite masses; locally cm-scale patches of weak SCP overprint. Sharp quartz vein contact at 80 to CA with CMG/SCP andesite.										
<<Min: 77 - 82.3: 2.5% pyrite / 0.75% chalcopryrite / 15% magnetite / 40% chlorite>>										
<<Alt: 77 - 82.3: intense Chlorite-Magnetite (+/- Si) / trace Silica-Clay-Py>>										
<<Vein: 77 - 82.3: 4% Quartz / 1% Quartz-Carbonate / 2% Magnetite>> Increase in quartz veining at various orientation										
<<Struc: 80 - 80.03: moderate to strong Gouge 75 deg. >>										
<b>82.30</b>	<b>99.85</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	84.00	86.00	N254239	0.658	0.556	6182.4	141.4	9.16
82.3 - 99.85: Predominantly CMG andesite tuff with weak to moderate cm to dm-scale patchy SCP overprint. Marked increase in volume of mm to cm-scale wide grey-white stockwork quartz veining. Quartz veining cuts both CMG abd SCP intervals; py>> in SCP; Cp as fine disseminations and mm-scale wormy veinlets										
<<Min: 82.3 - 99.85: 6% pyrite / 1% chalcopryrite / 12% magnetite / 1% dickite / 3% pyrophyllite / 30% chlorite / 20% silicification>>										
<<Alt: 82.3 - 99.85: strong Chlorite-Magnetite (+/- Si) / weak to moderate Silica-Clay-Py / trace Dickite (overprint/infill)>>										
<<Vein: 82.3 - 99.85: 8% Quartz / 2% Pyrite / 3% Magnetite>>										
<<Min: 86.00 - 88.00: 6% pyrite / 1% chalcopryrite / 12% magnetite / 1% dickite / 3% pyrophyllite / 30% chlorite / 20% silicification>>										
<<Alt: 88.00 - 90.00: strong Chlorite-Magnetite (+/- Si) / weak to moderate Silica-Clay-Py / trace Dickite (overprint/infill)>>										
<<Vein: 90.00 - 92.00: 8% Quartz / 2% Pyrite / 3% Magnetite>>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Struc: 84 - 84.01: strong Slicks 45 deg. >>			92.00	94.00	N254244	0.35	0.494	4580.5	71.1	8.88
<<Struc: 86 - 86.08: strong Slicks 70 deg. >>			94.00	96.00	N254245	0.221	0.353	3132.8	60.9	8.93
<<Struc: 89.98 - 90.02: moderate to strong Gouge 35 deg. >>			96.00	98.00	N254246	0.083	0.479	1570.5	17.4	3.86
<<Struc: 92.3 - 92.33: moderate Local Gouge 50 deg. >>			98.00	100.00	N254247	0.214	0.444	3367.9	51.4	8.31
<<Struc: 94.09 - 94.1: moderate to strong Slicks 60 deg. >>			98.00	100.00	N254248	0.225	0.457	3640.2	58.5	8.11
<b>99.85 105.10 ANTF Tuffaceous Andesite green FG</b>			100.00	102.00	N254249	0.306	0.471	4096.7	68.3	7.95
99.85 - 105.1: CMG andesite; continued strong quartz flooding and veining; very weak, vague SCP patches; fine grained disseminated and mm-scale wormy cp; scattered fine disseminations and mm clots of cc; sharp lower contact with SCP/CMG at 45 to CA.										
<<Min: 99.85 - 105.1: 4% pyrite / 0.75% chalcopryrite / 0.25% chalcocite / 15% magnetite / 40% chlorite / 10% silicification>>			102.00	104.00	N254250	0.352	0.386	3380.9	76.7	8.02
<<Alt: 99.85 - 105.1: intense Chlorite-Magnetite (+/- Si) / trace Silica-Clay-Py>>			104.00	106.00	N254251	0.931	0.506	4439	162	9.12
<<Vein: 99.85 - 105.1: 5% Quartz / 1% Pyrite / 2% Magnetite>>										
<<Struc: 100.1 - 100.13: weak to moderate Local Gouge 80 deg. >>										
<<Struc: 104.75 - 104.77: moderate to strong Fracture 30 deg. >>										
<b>105.10 111.65 ANTF Tuffaceous Andesite buff FG</b>			106.00	108.00	N254252	0.652	0.674	5157.6	113.2	7.74
105.1 - 111.65: Predominantly CMG andesite tuff with cm to dm-scale bands and fragments of overprinted SCP. Continued strong quartz veining and quartz flooding; >>py in SCP intervals; fine grained disseminated and mm-scale wormy cp; tr cc in and along margins of grey-white quartz.										
<<Min: 105.1 - 111.65: 6% pyrite / 1% chalcopryrite / 0.25% chalcocite / 10% magnetite / 0.5% dickite / 1% pyrophyllite / 30% chlorite>>			108.00	110.00	N254253	0.26	0.668	4668.6	69.3	6.93
<<Alt: 105.1 - 111.65: strong Chlorite-Magnetite (+/- Si) / weak Silica-Clay-Py>>			110.00	112.00	N254254	0.328	0.279	2647.4	75.5	8.18
<<Vein: 105.1 - 111.65: 5% Quartz / 2% Pyrite / 2% Magnetite>>										
<<Struc: 105.1 - 105.12: strong Contact 45 deg. >>										
<<Struc: 106.62 - 106.65: moderate Gouge 60 deg. >>										
<<Struc: 109.38 - 109.43: moderate to strong Fault Zone 80 deg. >>										
<<Struc: 109.83 - 110.17: weak to moderate Local Gouge 45 deg. >>										
<b>111.65 116.05 ANTF Tuffaceous Andesite buff FG</b>			112.00	114.00	N254255	0.162	0.302	3968.6	76.6	6.88
111.65 - 116.05: SCP andesite tuff; texturally destroyed to locally vaguely tuffaceous; pervasive fine grained silicification and irregular grey-white quartz veins. continued strong py with fine grained cp and trace cc as coatings on py and fine specks.										
<<Min: 111.65 - 116.05: 8% pyrite / 0.75% chalcopryrite / 0.25% chalcocite / 1% dickite / 4% pyrophyllite / 50% silicification>>			114.00	116.00	N254256	0.462	0.205	2212.6	187.8	6.19
<<Alt: 111.65 - 116.05: / intense Silica-Clay-Py / weak Dickite (overprint/infill)>>			116.00	118.00	N254257	0.143	0.616	3636.5	49.6	6.39
<<Vein: 111.65 - 116.05: 5% Quartz / 2% Pyrite>>										



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Struc: 111.65 - 111.66: strong Contact 80 deg. >> <<Struc: 114 - 115.5: moderate to strong Local Gouge 60-70 deg. >>										
<b>116.05</b>	<b>120.80</b>	<b>ANFX Feldspar-phyric Andesite buff FG</b>	118.00	120.00	N254259	0.242	0.569	5086.5	78.9	5.67
116.05 - 120.8: SCP andesite with blebby and locally patchy and banded CMG alteration. Predominantly SCP but mostly CMG from 119.5 to 120.8m; >>py in SCP; fine grained magnetite in chloritic blebs and masses; fine disseminated cp and rare cc in and along margins of grey-white quartz veins; local weak dickite overprint; numerous cm-scale wide cl-ser-py +/- dickite gouge zones.										
<<Min: 116.05 - 120.8: 7% pyrite / 0.5% chalcocopyrite / 0.25% chalcocite / 5% magnetite / 2% dickite / 4% pyrophyllite / 35% silicification>> <<Alt: 116.05 - 120.8: weak Chlorite-Magnetite (+/- Si) / strong Silica-Clay-Py / weak Dickite (overprint/infill)>> <<Vein: 116.05 - 120.8: 3% Quartz / 2% Pyrite>>										
<<Struc: 119.3 - 121: moderate Local Gouge 50-80 deg. >>										
<b>120.80</b>	<b>130.30</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	122.00	124.00	N254261	0.323	0.254	3138.3	81.7	5.18
120.8 - 130.3: Fine grained buff to light grey texturally destroyed to vaguely porphyritic SCP andesite; increase in narrow, cr scale wide shears and healed fractures with pyrite/dickite slicks; local increase in pale blue dickite; continued strong py with fine grained cp and cc as coatings on py and fine specks.										
<<Min: 120.8 - 130.3: 12% pyrite / 0.75% chalcocopyrite / 0.25% chalcocite / 3% dickite / 4% pyrophyllite / 60% silicification>> <<Alt: 120.8 - 130.3: / intense Silica-Clay-Py / weak Dickite (overprint/infill)>> <<Vein: 120.8 - 130.3: 1% Quartz / 2% Pyrite>>										
<<Struc: 124.22 - 124.25: moderate Slicks 25 deg. >> <<Struc: 124.55 - 126.4: moderate Local Gouge 25-35 deg. / weak to moderate Slicks 25-35 deg. >> <<Struc: 127.25 - 127.26: strong Slicks 40 deg. >>										
<b>130.30</b>	<b>150.00</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	132.00	134.00	N254267	0.113	0.298	2546.1	65	5.44
130.3 - 150: As per previous interval. Locally increase in dickite overprint. Two intervals of CMG/SCP altered mineralized porphyritic dykes? at 135.65-136.17m and 139.8-140.4m; dyke contacts are sharp at 50 to 70 to CA. Continued strong py with trace fine grain cp and cc; 1-5mm wide discontinuous cc/py veinlet at 136.7 at 50 to CA. Fault zone from 142.45-143.9m.										
<<Min: 130.3 - 150: 12% pyrite / 0.75% chalcocopyrite / 0.25% chalcocite / 1% magnetite / 6% dickite / 4% pyrophyllite / 60% silicification>> <<Alt: 130.3 - 150: trace Chlorite-Magnetite (+/- Si) / intense Silica-Clay-Py / moderate Dickite (overprint/infill)>> <<Vein: 130.3 - 150: 2% Quartz / 2% Pyrite>>										
<<Struc: 131.4 - 131.65: moderate Brittle Fracture 10 deg. >> <<Struc: 142.45 - 143.9: strong Fault Zone 80 deg. >> <<Struc: 148.05 - 148.08: moderate to strong Fracture 50 deg. >> healed fracture										
			134.00	136.00	N254268	0.095	0.227	1901.9	49.4	5.52
			136.00	138.00	N254269	0.364	0.29	3356.5	169.1	6.3
			136.00	138.00	N254270	0.226	0.241	3122.7	95.3	6.24
			138.00	140.00	N254271	0.224	0.279	1022.4	121.1	6.02
			140.00	142.00	N254272	0.24	0.268	2512.6	105	7.05
			142.00	144.00	N254273	0.15	0.101	430.4	65.3	6.83



# GeoSpark Logger ~ Drill Log

**Project:**

**Hushamu**

**Hole Number:**

**H17-01**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
			144.00	146.00	N254274	0.095	0.186	2499.4	39.6	7.24
			146.00	148.00	N254276	0.175	0.209	3052.4	62	5.53
			148.00	150.00	N254277	0.091	0.149	1059.5	51.7	6.01
<b>End of Hole @ 150</b>										



# GeoSpark Logger ~ Drill Log

**Project:** Hushamu **Hole Number:** H17-02

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/12/2017
Easting:	580750	Azimuth:	180	Date Completed:	6/19/2017
Northing:	5613802	Dip:	-60	Drill Company:	Peak
Elevation (m):	613	Length (m):	417.1	Drill Rig:	
Hole Type:	DD			Drill Started:	6/10/2017
Hole Diameter:				Drill Completed:	6/18/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-59.4	166.6	17.25	183.85	ReflexEZS			54850	<input type="checkbox"/>	
102	-59.7	168.5	17.25	185.75	ReflexEZS			54723	<input type="checkbox"/>	
153	-59.4	170	17.25	187.25	ReflexEZS			54646	<input type="checkbox"/>	
204	-59	171.7	17.25	188.95	ReflexEZS			54730	<input type="checkbox"/>	
255	-58.6	172.3	17.25	189.55	ReflexEZS			54663	<input type="checkbox"/>	
306	-58.3	173.3	17.25	190.55	ReflexEZS			54669	<input type="checkbox"/>	
357	-58.3	175	17.25	192.25	ReflexEZS			54502	<input type="checkbox"/>	
409	-58.1	177	17.25	194.25	ReflexEZS			54590	<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>0.00</b>	<b>3.00</b>	<b>OVER Overburden</b>								
0 - 3: Casing										
<b>3.00</b>	<b>30.60</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>	<b>FG</b>						
			3.00	6.00	N254278	0.07	0.048	44.4	71.4	7.54
3 - 30.6: Angular to sub rounded clastic zunyite filled breccia, clasts mm to 8cm in size; SCZ altered; yellow-orange, limonite goethite, oxidation along irregular fractures and rimming breccia fragments; trace to locally 1% pyrite as disseminations and clots in fragments. Clastic breccia becomes fine grained and is porphyritic from 27.8-28.44m with diffuse, but high angle, contacts. Lower contact with HTBX is diffuse.										
<<Min: 3 - 30.6: 45% silicification / 20% clay / 10% zunyite / 0.25% pyrite>>										
			6.00	9.00	N254279	0.095	0.029	38	40.8	5.99

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 3 - 30.6: intense Leached (Prev. SCZ) / weak Silica-Clay-Py>>			9.00	12.00	N254280	0.226	0.086	58.4	61.8	5.87
<<Struc: 27.8 - 27.82: strong Contact 80 deg. >> upper contact of fine grained portion of BRXX			12.00	15.00	N254281	0.168	0.053	45.1	41.6	4.93
<<Struc: 28.42 - 28.44: strong Contact 80 deg. >> Lower contact of fine grained porphyritic portion of BRXX			15.00	18.00	N254283	0.985	0.055	50.3	156.9	6.99
			18.00	21.00	N254284	0.837	0.07	61	95	7.86
			21.00	24.00	N254285	0.961	0.106	115	107	6.92
			24.00	27.00	N254286	0.703	0.059	60.3	70.1	6.55
			27.00	30.00	N254287	0.589	0.138	226.8	75.9	6.12
			27.00	30.00	N254288	0.48	0.14	238.2	68.3	5.66
			30.00	33.00	N254289	1.077	0.136	76.7	271.9	2.41
<b>30.60</b>	<b>48.80</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	33.00	36.00	N254290	0.155	0.123	60.4	121.4	3.62
30.6 - 48.8: HTBX; locally intense leaching (pit, vugs, limonite, goethite) throughout; zunyite altered; minor disseminated py HTBX; fracture controlled cc associated with disseminated py from 43.55-43.75m; several cm to approx 30cm wide BRXX veins or dykes cut HTBX at various orientations to CA with both wavy and sharp contacts; sharp lower contact with SCP HTBX at 20 to CA.										
<<Min: 30.6 - 48.8: 60% silicification / 10% clay / 5% zunyite / 1% pyrite / 0.1% chalcocite / 5% goethite / 5% limonite>>			36.00	39.00	N254291	0.128	0.115	65.6	164	1.88
<<Alt: 30.6 - 48.8: intense Leached (Prev. SCZ) / moderate Silica-Clay-Py>>			39.00	42.00	N254292	0.355	0.14	116.5	81.3	3.86
<<Vein: 30.6 - 48.8: 1% Quartz>>			42.00	45.00	N254293	0.232	0.226	584.9	89.2	2.3
<<Struc: 40.24 - 40.25: strong Contact 65 deg. >> upper contact of late breccia			45.00	48.00	N254294	0.189	0.142	160	85.6	2.56
<<Struc: 40.34 - 40.35: strong Contact 65 deg. >> lower contact of late breccia			48.00	51.00	N254295	0.486	0.411	2030.7	78.2	1.02
<b>48.80</b>	<b>58.00</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	51.00	54.00	N254297	0.56	0.36	1066.3	100.8	1.16
48.8 - 58: As per above interval; patchy strongly weathered/leached intervals and relatively fresh, py-rich intervals; py as partial to complete replacement of breccia clasts and as semi massive disseminations interstitial to clasts; locally trace cc coats and replaces py; lower contact diffuse but about 80 to CA. Scattered cm to dm-scale wide BRXX with relatively sharp contacts at various orientations, and wavy irregular contacts with BRXX running at low angles and sub parallel to CA. Late breccia dyke from 57.29-58m, fine to medium grain tuffaceous fines at upper and lower contacts.										
<<Min: 48.8 - 56.1: 60% silicification / 10% clay / 5% zunyite / 7% pyrite / 0.2% chalcocite>>			54.00	57.00	N254298	0.228	0.238	254.5	150.2	2.99
<<Min: 56.1 - 77.25: 40% silicification / 30% clay / 10% zunyite / 3% pyrite / 0.2% chalcocite / 0.1% covellite>>			57.00	60.00	N254299	0.659	0.168	318.7	96.3	3.54
<<Alt: 48.8 - 56.1: weak to moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py>>										
<<Alt: 56.1 - 77.25: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 48.8 - 56.1: 1% Dickite>>										
<<Vein: 56.1 - 77.25: >>										
<<Struc: 57.28 - 57.29: weak Contact 80 deg. >> weak diffuse upper contact of late breccia										
<<Struc: 57.79 - 58: strong Contact 30 deg. >> sharp lower contact of late breccia										



# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>58.00</b>	<b>77.25</b>	<b>HTBX Hydrothermal breccia/alterite grey FMG</b>	60.00	63.00	N254300	1.424	0.113	212.7	144.2	4.29
<p>58 - 77.25: Texturally destroyed to vaguely porphyritic to clastic SCP HTBX. Patchy and vaguely banded fine grain silicification alternates with with more predominately clay altered. Fine grain grey silicified intervals more pyrite rich. Nil to trace and weak Fe-ox on fracture surfaces. Scattered mm-scale clots of cc and trace cv. Numerous cm to dm-scale wide zunyite dykes at various orientations to CA; volumetrically zunyite dykes make up about 10-15% of this interval. Predominantly BRXX from 72.17-73.57m with clasts and ingested fragments of HTBX. Mixed HTBX and BRXX from 73.57-74.57m, trace cc and cv only in HTBX or HTBX fragments.</p> <p>&lt;&lt;Struc: 60.27 - 60.28: moderate to strong Contact 80 deg. &gt;&gt; BRXX irregular upper contact about 80 to CA</p> <p>&lt;&lt;Struc: 60.45 - 60.46: moderate to strong Contact 60 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 68.27 - 68.39: moderate to strong Fault Zone 75 deg. &gt;&gt; Healed clay fault zone</p> <p>&lt;&lt;Struc: 77.24 - 77.25: strong Contact 60 deg. &gt;&gt;</p>			63.00	66.00	N254301	0.662	0.187	460.1	77.6	2.27
			66.00	69.00	N254302	0.885	0.119	317.1	113.5	4.76
			69.00	72.00	N254303	0.547	0.141	346.4	70.6	5.65
			72.00	75.00	N254304	0.488	0.089	475.9	56.2	5.14
			75.00	78.00	N254306	0.432	0.096	848.6	56.3	4.75
			78.00	81.00	N254307	0.519	0.299	1836.5	69.6	1.68
<b>77.25</b>	<b>86.75</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>								
<p>77.25 - 86.75: As per previous interval but marked decrease in clay content. Very minor cm-scale fragments and discontinuous or detached pieces of BRXX; minor local zunyite infill. Trace to nil Fe-ox; marked increase in py with muddy, massive py band at 86.2-89.65m with crushed contacts. Semi-massive py with local strong clotty cc from 82.64-83.45m. Scattered mm-scale clots of cc and cv throughout with cc local coating and replacing py.</p> <p>&lt;&lt;Min: 77.25 - 86.75: 60% silicification / 10% clay / 5% zunyite / 20% pyrite / 0.25% chalcocite / 0.2% covellite&gt;&gt;</p> <p>&lt;&lt;Alt: 77.25 - 86.75: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 77.25 - 86.75: &gt;&gt;</p> <p>&lt;&lt;Struc: 80.65 - 80.67: weak to moderate Fracture 45 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 84.8 - 84.81: strong Fracture 40 deg. &gt;&gt;</p>			81.00	84.00	N254308	0.633	0.432	9341.5	71.6	3.37
			84.00	87.00	N254309	0.644	0.82	8620	107.5	4.41
<b>86.75</b>	<b>93.25</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	87.00	90.00	N254310	0.43	1.305	1479.9	85.8	6.3
<p>86.75 - 93.25: HTBX with patchy weak to moderate Fe-ox particularly along strong fault zone from 88.55-90.35m; fault is sub parallel to CA at about 10 to CA. Semi massive to massive py bands from 89.2-89.56m and 92.82-93.19m with diffuse contacts; local pale pink/orange zunyite infill; continued scattered mm-scale blebs and clots of cc and cv.</p> <p>&lt;&lt;Min: 86.75 - 93.25: 50% silicification / 10% clay / 10% zunyite / 20% pyrite / 0.25% chalcocite / 0.2% covellite&gt;&gt;</p> <p>&lt;&lt;Alt: 86.75 - 93.25: weak to moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 86.75 - 93.25: 1% Dickite&gt;&gt;</p> <p>&lt;&lt;Struc: 88.55 - 90.35: moderate to strong Fault Zone 10 deg. &gt;&gt;</p>			90.00	93.00	N254311	0.363	0.4	2444.9	54.8	3.36
			90.00	93.00	N254312	0.283	0.429	1935.7	56	3.11
			93.00	96.00	N254313	0.327	0.57	2952	49.7	4.89
<b>93.25</b>	<b>117.15</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	96.00	99.00	N254314	0.366	0.174	1129.2	44.8	5.83
<p>93.25 - 117.15: SCP HTBX; trace to locally weak Fe-Ox along fractures; as per previous intervals; continued strong py with scattered mm-scale clots and blebs of cc and cv; massive zunyite infilling from 93.25-94.45m; fine to medium grain BRXX with mm to 1cm angular to sub rounded polymictic clasts and &lt;1% py from 103.45-104.14m, contacts irregular but steep to CA. Lower fault contact at 70 to CA</p>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Min: 93.25 - 117.15: 55% silicification / 15% clay / 12% zunyite / 7% pyrite / 0.25% chalcocite / 0.25% covellite>>			99.00	102.00	N254315	0.302	0.15	543.3	43.7	6.21
<<Alt: 93.25 - 117.15: weak Leached (Prev. SCZ) / strong Silica-Clay-Py>>			102.00	105.00	N254316	0.375	0.196	1100.5	59.2	5.99
<<Vein: 93.25 - 117.15: 1% Pyrite>>			105.00	108.00	N254317	0.108	0.106	742.2	28.2	7.48
<<Struc: 103.44 - 103.45: moderate Contact 80 deg. >>			108.00	111.00	N254318	0.248	0.116	588	38.3	7.41
<<Struc: 104.13 - 104.14: moderate Contact 80 deg. >>			111.00	114.00	N254320	0.232	0.255	2866.2	33.9	6.75
<<Struc: 114.2 - 114.3: moderate to strong Fracture 20 deg. >>			114.00	117.00	N254321	0.209	0.221	2935.8	40.5	6.6
<<Struc: 117.14 - 117.15: strong Contact 70 deg. >> Fault contact			117.00	120.00	N254322	0.177	0.065	360.4	18.2	8.03
<b>117.15 126.85 HTBX Hydrothermal breccia/alterite</b>			120.00	123.00	N254323	0.216	0.054	257.5	25	7.22
117.15 - 126.85: HTBX; healed fault zone; clay-py ser gouge; core is intact but strongly faulted; locally pitted and vuggy; local relict SCP HTBX fragments; locally abundant pale blue dickite replaces clasts; strong pyrite as fine disseminations and fine grain cv +/- cc in altered breccia clasts; sharp lower contact at 85 to CA.										
<<Min: 117.15 - 126.85: 30% silicification / 40% clay / 5% sericite / 5% pyrite / 0.05% chalcocite / 0.1% covellite>>			123.00	126.00	N254324	0.326	0.092	464.8	39.6	6.8
<<Alt: 117.15 - 126.85: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py / moderate Argillic (fault related)>>			126.00	129.00	N254325	0.141	0.095	296.5	52.5	2.41
<<Vein: 117.15 - 126.85: 1% Pyrite>>										
<<Struc: 117.15 - 126.85: strong Fault Zone 70-85 deg. >> upper contact at 70 to CA; lower contact at 85 to CA										
<b>126.85 135.00 HTBX Hydrothermal breccia/alterite FG</b>			129.00	132.00	N254327	0.512	0.17	980.9	66.3	3.9
126.85 - 135: Moderately to locally deeply orange-yellow oxidation; pitted and vuggy in deeply leached intervals; dm to rare m-scale intervals weakly oxidized SCP HTBX; abundant fine grain py in weakly oxidized intervals with trace specks of cc; transitional to unoxidized interval.										
<<Min: 126.85 - 135: 50% silicification / 15% clay / 5% pyrite / 0.05% chalcocite / 5% goethite / 5% limonite>>			132.00	135.00	N254328	1.272	0.194	372.8	188.2	2.46
<<Alt: 126.85 - 135: moderate to strong Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py>>										
<<Vein: 126.85 - 139.1: >>										
<<Struc: 129.2 - 129.3: weak to moderate Local Gouge 80 deg. >>										
<b>135.00 139.10 HTBX Hydrothermal breccia/alterite FG</b>			135.00	138.00	N254329	0.415	0.265	6385.6	65.1	0.58
135 - 139.1: SCP HTBX with trace weak oxidation on fractures; locally pitted due to washing out of clay; fine grained, vaguely porphyritic (ANAM?) and texturally destroyed; abundant fine grain pyrite replacing and rimming remnant clasts; strong, to 2% cc and cv as specks and mm to 1cm clots; sharp lower contact with dyke at 55 to CA.										
<<Min: 135 - 139.1: 60% silicification / 5% clay / 12% pyrite / 0.5% chalcocite / 0.5% covellite>>			138.00	141.00	N254330	0.312	0.219	1074.2	59.3	5.01
<<Alt: 135 - 139.1: trace Leached (Prev. SCZ) / strong Silica-Clay-Py>>										
<<Struc: 139.09 - 139.1: intense Contact 55 deg. >>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>139.10</b>	<b>143.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>	<b>FMG</b>						
<p>139.1 - 143: BRXX Dyke?; sharp upper contact at 55 to CA; lower contact is wavy and diffuse; well mineralized with 10% very fine grain py disseminated throughout the matrix; fine mm-scale specks of CV scattered throughout predominantly in silicified breccia clasts; feldspar weakly altered to clay; trace oxidation on fractures; strongly oxidized band at 139.45-139.53m at 50 to CA.</p> <p>&lt;&lt;Min: 139.1 - 143: 10% pyrite / 0.15% covellite&gt;&gt;            &lt;&lt;Alt: 139.1 - 143: trace Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;            &lt;&lt;Vein: 139.1 - 143: 2% Goethite&gt;&gt;            &lt;&lt;Struc: 139.45 - 139.53: intense Contact 50 deg. &gt;&gt; upper and lower contact of oxidized band/vein</p>										
<b>143.00</b>	<b>154.35</b>	<b>HTBX Hydrothermal breccia/alterite</b>		<b>FG</b>						
<p>143 - 154.35: HTBX; wavy and banded red-brown oxidation; massive fine grain zunyite infill from 145.48-146.08m, wavy and irregular contacts; abundant fine grain cm-scale masses of py in weakly oxidized intervals; isolated cm-scale islands of py in partially oxidized intervals. SCZ altered BRXX from 151.04-152.06m; Tr 2-5mm sticks of CV scattered throughout particularly in less oxidized intervals; lower contact with BRXX sharp at 35 to CA.</p> <p>&lt;&lt;Min: 143 - 151.04: 30% silicification / 10% clay / 5% pyrite / 0.05% chalcocite / 0.1% covellite / 10% zunyite&gt;&gt;            &lt;&lt;Min: 151.04 - 159: 2% pyrite / 0.05% covellite / 10% zunyite&gt;&gt;            &lt;&lt;Alt: 143 - 151.04: moderate Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py&gt;&gt;            &lt;&lt;Alt: 151.04 - 159: weak Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;            &lt;&lt;Vein: 143 - 151.04: 1% Pyrite&gt;&gt;            &lt;&lt;Vein: 151.04 - 159: &gt;&gt;            &lt;&lt;Struc: 151.02 - 151.04: moderate to strong Contact 60 deg. &gt;&gt;</p>										
			144.00	147.00	N254332	0.506	0.22	500.4	146.6	7.54
			147.00	150.00	N254333	0.605	0.151	1910	107.9	7.98
			147.00	150.00	N254334	0.635	0.145	1170.1	120.1	8.65
			150.00	153.00	N254335	0.248	0.077	129	113	4.56
			153.00	156.00	N254336	0.352	0.104	214.9	67	4.43
<b>154.35</b>	<b>159.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>		<b>FMG</b>						
<p>154.35 - 159: Late angular breccia, polymictic clast supported with &lt;1 to 10cm angular to sub rounded clasts; abundant fine grain disseminated py along about 30cm margins of dyke; large subrounded clasts of SCP have disseminated py and scattered specks of CV; several 5-20cm ingested fragments of SCP with above mineralization; from 156.35-156.55m, strongly oxidized/leached band of SCP at 35 to CA. Lower contact broken but about 80-85 to CA.</p> <p>&lt;&lt;Struc: 156.33 - 156.35: moderate to strong Contact 35 deg. &gt;&gt;</p>										
<b>159.00</b>	<b>165.08</b>	<b>HTBX Hydrothermal breccia/alterite</b>		<b>FG</b>						
<p>159 - 165.08: HTBW; vaguely clastic (ANFX) to texturally destroyed; minor dark grey detached quartz veins with ultra trace fine specks of Mo; strong fine grain py replacing and rimming clasts; trace CC coating and replacing py; marked increase in white-pale grey detached and discontinuous quartz veins; lower contact with BRXX is at 80 to CA</p> <p>&lt;&lt;Min: 159 - 165.08: 60% silicification / 20% clay / 7% pyrite / 0.1% chalcocite / 0.05% molybdenite&gt;&gt;            &lt;&lt;Alt: 159 - 165.8: trace Leached (Prev. SCZ) / strong Silica-Clay-Py&gt;&gt;</p>										
			159.00	162.00	N254338	0.421	0.139	343.4	54.3	3.53
			162.00	165.00	N254339	0.41	0.164	255.6	55.6	3.57
			165.00	168.00	N254340	0.405	0.151	404.3	61.9	4.2

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Vein: 159 - 165.08: 3% Quartz>> <<Struc: 162.18 - 162.21: moderate to strong Fracture 70 deg. >> healed fracture <<Struc: 165.06 - 165.08: weak to moderate Contact 80 deg. >>										
<b>165.08</b>	<b>169.40</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>FMG</b>	168.00	171.00	N254341	0.355	0.138	240.3	66.3 3.18
165.08 - 169.4: Late angular clast supported breccia; as per interval from 154.35 to 159m. Lower contact with HTBX at 60 to CA  <<Min: 165.08 - 169.4: 2% pyrite / 0.1% covellite / 10% zunyite>> <<Alt: 165.8 - 169.4: trace Leached (Prev. SCZ) / weak Silica-Clay-Py>> <<Vein: 165.08 - 169.4: >> <<Struc: 169.38 - 169.4: moderate to strong Contact 60 deg. >>										
<b>169.40</b>	<b>190.15</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	171.00	174.00	N254343	0.468	0.243	1319.3	70.3 3.39
169.4 - 190.15: HTBX with relict ANFX textures; weakly Fe-Ox altered along fractures; predominantly HTBX but numerous cm to dm-scale wide late angular breccias and diffuse intervals of semi massive zunyite infilling; from 176.66-177.66m and 178.75-179.44m, fine to coarse late zunyite breccia dykes, irregular and diffuse contacts; some mineralized SCP clasts in the dykes with CV; SCP altered HTBX with strong py as disseminations and rimming and replacing clasts; tr CC and locally abundant CV, to 1% as clots and webby fracture fills; higher concentrations of CV near margins of dykes; locally abundant detached and discontinuous white-grey quartz veins.  <<Min: 169.4 - 190.15: 60% silicification / 15% clay / 15% zunyite / 5% pyrite / 0.35% covellite / 0.15% chalcocite>> <<Alt: 169.4 - 190.15: weak Leached (Prev. SCZ) / strong Silica-Clay-Py>> <<Vein: 169.4 - 190.15: 4% Quartz>> <<Struc: 179 - 179.52: strong Fracture 10 deg. >>										
<b>190.15</b>	<b>207.25</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	174.00	177.00	N254344	0.58	0.197	1561.5	75.4 5.66
190.15 - 207.25: Partially oxidized/leached SCP HTBX; ; locally pitted; fine grained, texturally destroyed; siliceous and local porphyritic with clay infills; increasing relict porphyritic/ANFX textures; minor cm to dm-scale wide swirling and irregular sem massive zunyite infill or irregular late zunyite dykes + fine grain polymictic breccia; less oxidized intervals irregularly mineralized with fine grained irregular masses of py and scattered mm-scale specks and 0.5-10mm clots of CC and CV; ultra tr Mo in qtz-py veins  <<Min: 190.15 - 207.25: 50% silicification / 20% clay / 5% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% covellite>> <<Alt: 190.15 - 207.25: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> <<Vein: 190.15 - 207.25: 3% Quartz>> <<Struc: 192.75 - 192.77: moderate to strong Brittle Fracture 45 deg. >> <<Struc: 199.26 - 199.29: moderate to strong Gouge 85 deg. >>										
<<Min: 190.15 - 207.25: 50% silicification / 20% clay / 5% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% covellite>>										
<<Alt: 190.15 - 207.25: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 190.15 - 207.25: 3% Quartz>>										
<<Struc: 192.75 - 192.77: moderate to strong Brittle Fracture 45 deg. >>										
<<Struc: 199.26 - 199.29: moderate to strong Gouge 85 deg. >>										
<<Min: 190.15 - 207.25: 50% silicification / 20% clay / 5% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% covellite>>										
<<Alt: 190.15 - 207.25: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 190.15 - 207.25: 3% Quartz>>										
<<Struc: 192.75 - 192.77: moderate to strong Brittle Fracture 45 deg. >>										
<<Struc: 199.26 - 199.29: moderate to strong Gouge 85 deg. >>										
<<Min: 190.15 - 207.25: 50% silicification / 20% clay / 5% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% covellite>>										
<<Alt: 190.15 - 207.25: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 190.15 - 207.25: 3% Quartz>>										
<<Struc: 192.75 - 192.77: moderate to strong Brittle Fracture 45 deg. >>										
<<Struc: 199.26 - 199.29: moderate to strong Gouge 85 deg. >>										
<<Min: 190.15 - 207.25: 50% silicification / 20% clay / 5% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% covellite>>										
<<Alt: 190.15 - 207.25: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 190.15 - 207.25: 3% Quartz>>										
<<Struc: 192.75 - 192.77: moderate to strong Brittle Fracture 45 deg. >>										
<<Struc: 199.26 - 199.29: moderate to strong Gouge 85 deg. >>										





## GeoSpark Logger ~ Drill Log

**Project:**                      **Hushamu**                      **Hole Number:**                      **H17-02**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<<Struc: 204.89 - 205.92: moderate to strong Fracture 85 deg. >>    healed fracture											
<b>207.25</b>	<b>234.20</b>	<b>HTBX     Hydrothermal breccia/alterite</b>	<b>FG</b>	210.00	213.00	N254357	0.13	0.049	43	44.9	4.48
207.25 - 234.2: As above HTBX with destroyed textures; decreased FeOx; strong Si overprint; grey and orange-pink clay + weak yellow FeOx staining; mottled, vaguely leopard print texture; local pyritic breccia veins (<10cm) otherwise just trace disseminated py; local grey vfg Qv with trace Mo?; local Late breccia intervals (zunyite +/- py matrix) and finer grain polymictic breccia; local fracture controlled secondary copper mineralization (CV); SCZ late breccia from 230.05-232.3m, contacts diffuse but about 60-80 to CA; massive pinkish-orange zunyite infill.											
<<Min: 207.25 - 234.2: 50% silicification / 15% clay / 10% zunyite / 2% pyrite / 0.1% covellite>>											
<<Alt: 207.25 - 234.2: weak Leached (Prev. SCZ) / strong Silica-Clay-Py>>											
<<Vein: 207.25 - 234.2: 4% Quartz / 1% Dickite>>											
<<Struc: 209.33 - 209.34: weak to moderate Contact 80 deg. >>    upper contact of late breccia dyke											
<<Struc: 209.77 - 209.78: strong Contact 70 deg. >>    lower contact of BRXX											
<<Struc: 210.94 - 211.18: moderate to strong Brittle Fracture 10 deg. >>											
<<Struc: 233.21 - 233.22: intense Contact 60 deg. >>    upper contact of fmg BRXX dyke											
<<Struc: 233.22 - 233.57: intense Contact 70 deg. >>    lower contact of fmg BRXX dyke											
<b>234.20</b>	<b>240.30</b>	<b>BRXX     Late, angular Breccia (+/- zunyite)</b>	<b>FG</b>	210.00	213.00	N254358	0.172	0.049	39.1	51.2	4.35
213.00	216.00			213.00	216.00	N254359	0.355	0.038	65.7	67.7	6.54
216.00	219.00			216.00	219.00	N254360	0.307	0.046	82.3	46.8	5.06
219.00	222.00			219.00	222.00	N254361	0.147	0.05	133.9	32.5	5.06
222.00	225.00			222.00	225.00	N254362	0.338	0.048	185.4	56.2	4.22
225.00	228.00			225.00	228.00	N254363	0.216	0.05	64	56.9	3.53
228.00	231.00			228.00	231.00	N254364	0.023	0.055	50.9	46.2	2.34
231.00	234.00			231.00	234.00	N254366	0.098	0.069	102.2	69	1.71
234.00	237.00			234.00	237.00	N254367	0.077	0.055	65.2	52.3	1.41
237.00	240.00			237.00	240.00	N254368	0.057	0.054	66.8	55.9	2.58
234.2 - 240.3: BRXX dominates over HTBX; increasing clay; minor dickite; increasing yellow staining over whitish clay; pseudo fragmental texture; fine grain py and isolated mm to cm-scale clots of py in orange-brown oxidized islands; continue scattered fine grain secondary copper mineralization, CC and CV											
<<Min: 234.2 - 240.3: 40% silicification / 30% clay / 5% zunyite / 2% pyrite / 0.05% chalcocite / 0.1% covellite>>											
<<Alt: 234.2 - 240.3: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Vein: 234.2 - 240.3: 1% Quartz>>											
<<Struc: 239.78 - 239.79: moderate to strong Contact 75 deg. >>											
<b>240.30</b>	<b>243.27</b>	<b>HTBX     Hydrothermal breccia/alterite</b>		240.00	243.00	N254369	0.68	0.059	82.9	64.5	4.21
240.3 - 243.27: HTBX; relict fmg ANTF textures +/- recrystallized Si and clay infill; local relict grey white QV at 30 to CA; orange-brown pyrophyllite infill; textures locally destroyed; nil-tr Py, trace fine grain CC and possibly ultra trace fg Mo in QV											
<<Min: 240.3 - 243.27: 50% silicification / 15% clay / 5% pyrophyllite / 0.5% pyrite / 0.05% chalcocite>>											
<<Alt: 240.3 - 243.27: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Vein: 240.3 - 243.27: 4% Quartz>>											
243.00	246.00			243.00	246.00	N254370	0.035	0.049	51.8	59.6	1.99

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>243.27</b>	<b>255.10</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	246.00	249.00	N254372	0.543	0.062	72.2	57.1	2.4
243.27 - 255.1: Silica and dickite HTBX with relict porphyritic andesite; local relict ANAM and ANFX textures; increasing clastic dickite + pyrophyllite with local yellow staining; local cm to dm-scale wide pyritic breccia and fine grain texturally destroyed silicification; local orange-brown FeOx staining; minor secondary copper (CV, CC) irregularly distributed generally in more siliceous intervals; late breccia intervals locally dominate with diffuse contacts, but where apparent are 60-70 to CA..										
<<Min: 243.27 - 255.1: 50% silicification / 20% clay / 10% dickite / 2% pyrite / 0.05% chalcocite / 0.1% covellite>>			249.00	252.00	N254373	0.355	0.073	226.1	48.1	5.11
<<Alt: 243.27 - 255.1: weak to moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py>>			252.00	255.00	N254374	0.115	0.198	118.4	71	2.75
<<Vein: 243.27 - 255.1: 2% Quartz / 1% Dickite>>			255.00	258.00	N254375	0.427	0.652	1214.9	74.1	2.69
<<Struc: 252.2 - 252.27: weak to moderate Shear zone 50 deg. >>										
<b>255.10</b>	<b>264.30</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	258.00	261.00	N254376	0.151	0.14	475.3	48.5	2.82
255.1 - 264.3: As per previous interval with intervals of pyritic breccia (<30cm) and dark grey weakly leached/pitted intervals; local late +/- zunyite breccia intervals and some cm to 10cm wide intervals of massive zunyite infilling; local finer grain polymictic breccia; dickite as veinlets and cm-scale swirling patches with accompanying orange-brown oxidation; minor scattered secondary copper mineralization with locally strong CV +/- CC at 259.8-261.65m										
<<Min: 255.1 - 264.3: 50% silicification / 15% clay / 10% zunyite / 3% pyrite / 0.1% chalcocite / 0.1% covellite>>			261.00	264.00	N254377	0.4	0.103	991.6	50.9	3.34
<<Alt: 255.1 - 264.3: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>			264.00	267.00	N254378	0.569	0.059	222.7	51.1	4.44
<<Vein: 255.1 - 264.3: 3% Quartz / 4% Dickite>>										
<<Struc: 256.34 - 256.65: moderate Shear zone 70 deg. / weak to moderate Local Gouge>>										
<<Struc: 260.18 - 260.19: weak to moderate Slicks 80 deg. >> dickite slicks										
<b>264.30</b>	<b>271.45</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	267.00	270.00	N254379	0.457	0.081	215.5	35.9	4.52
264.3 - 271.45: HTBX; fine grained, grey, weak oxidation on fractures and joints, relict ANAM textures; 3-4% mm to 3cm white dickite? stringers at various orientations; scattered orange-brown pyrophyllite; pale grey-buff QV; minor volume of cm to dm-scale wide late breccias (+/- zunyite and fine grained polymictic); tr secondary Cu throughout sometimes as coatings on Py and CP?; from 267.62-271.45m, late breccia with 1-8cm angular to sub rounded clasts of SCP and finer grained polymictic material, semi massive py as aggregates in clasts; locally strong CV in SCP clasts, upper contact broken but at high angle to CA and lower contact wavy and irregular.										
<<Min: 264.3 - 271.45: 60% silicification / 15% clay / 3% zunyite / 4% pyrite / 0.05% chalcocite / 0.1% covellite>>			270.00	273.00	N254380	0.206	0.096	495.2	27.6	4.61
<<Alt: 264.3 - 271.45: weak Leached (Prev. SCZ) / strong Silica-Clay-Py>>			270.00	273.00	N254381	0.195	0.104	398.1	26.5	4.2
<<Vein: 264.3 - 271.45: 3% Quartz / 4% Dickite>>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>271.45</b>	<b>300.45</b>	<b>BRXX Late, angular Breccia (+/- buff FG zunyite)</b>	273.00	276.00	N254382	0.104	0.087	142.3	15.3	1.63
<p>271.45 - 300.45: Chaotic interval of BRXX &gt; HTBX with local intervals of white dickite? And pale tan zunyite flooding and veining; HTBX exhibits fine porphyritic texture (ANFX) locally; local cm-wide pyrite breccia veins crosscutting 60-80 to CA; weak oxidation on open fractures predominantly in HTBX; HTBX locally weakly pitted; late breccias are a mixture of zunyite breccias and finer grained polymictic breccia with rare coarse angular breccia with pyritic matrix; 1-2% py overall with trace secondary copper mineralization in HTBX and in some SCP fragments in late breccias; locally ultra trace fine gd disseminated cpy; gradational to lower HTBX as volume of late breccia decreases.</p>										
<<Min: 271.45 - 300.45: 35% silicification / 15% clay / 15% zunyite / 1% pyrite / 0.05% chalcocopyrite / 0.1% chalcocite>>			276.00	279.00	N254383	0.127	0.083	293.5	24.8	2.29
<<Alt: 271.45 - 300.45: moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py / moderate Dickite (overprint/infill)>>			279.00	282.00	N254384	0.019	0.044	35.4	12.4	2.09
<<Vein: 271.45 - 300.45: 10% Dickite>>			282.00	285.00	N254385	0.162	0.091	86.5	51.2	1.57
<<Struc: 273.25 - 273.26: strong Contact 30 deg. >>			285.00	288.00	N254386	0.038	0.074	42.1	44	2.37
<<Struc: 276.56 - 276.57: strong Contact 45 deg. >> lower contact late angular breccia			288.00	291.00	N254387	0.171	0.088	107.9	61	3.33
<<Struc: 284.32 - 284.33: strong Contact 50 deg. >> upper contact of pyritic, polymictic breccia			291.00	294.00	N254388	0.484	0.061	64.5	57.6	3.59
<<Struc: 290.05 - 290.07: moderate to strong Fracture 80 deg. >> healed fracture			294.00	297.00	N254389	0.336	0.077	81.5	62.8	2.65
<<Struc: 300.43 - 300.45: moderate to strong Contact 60 deg. / moderate to strong Gouge 60 deg. >> gouged contact with HTBX			297.00	300.00	N254391	0.254	0.082	91.8	57.7	2.24
			300.00	303.00	N254392	0.467	0.068	183.6	54.2	3.43
<b>300.45</b>	<b>305.40</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	303.00	306.00	N254393	0.714	0.086	282	62.6	4.38
<p>300.45 - 305.4: Transitional from above; HTBX &gt; BRXX; trace to weakly oxidized on open fractures; locally weakly pitted; spotty disseminated abd blebby orange-brown pyrophyllite; trace to 2% py; locally ultra trace fg secondary copper mineralization</p>										
<<Min: 300.45 - 305.4: 50% silicification / 15% clay / 10% zunyite / 1% pyrite / 0.1% chalcocite / 3% pyrophyllite>>										
<<Alt: 300.45 - 305.4: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 300.45 - 305.4: 1% Quartz / 2% Dickite>>										
<b>305.40</b>	<b>327.50</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	306.00	309.00	N254394	0.731	0.196	1072.4	54.1	7.12
<p>305.4 - 327.5: Texturally destroyed pseudo porphyritic (+/- relict andesite); SCP alteration, generally dickite altered HTBX (ANFX) +/- patchy silicification, no quartz veins; several dm to 1m wide broken and locally gouged intervals (faults) abundant dickite slips; locally weakly chloritic; minor cm-scale wide late zunyite veinlets at 60-70 to CA; local late breccia veins, polymictic +/- py matrix (&lt;50cm); fine to medium grained py to 10% throughout; local ultra trace cpy +/- cc</p>										
<<Min: 305.4 - 327.5: 10% pyrite / 2% zunyite / 20% dickite>>			309.00	312.00	N254395	0.717	0.184	1562.2	87.6	7.91
<<Alt: 305.4 - 327.5: weak to moderate Argillic (fault related) / weak to moderate Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>			312.00	315.00	N254397	0.453	0.115	1081.7	49.3	8.32
<<Vein: 305.4 - 327.5: 2% Pyrite>>			315.00	318.00	N254398	0.271	0.204	873.4	35.7	8.53
<<Struc: 307.3 - 309.35: moderate Local Gouge 60-80 deg. / moderate Fault Zone>>			318.00	321.00	N254399	0.393	0.159	1536.7	57.3	8.47
<<Struc: 309.8 - 310.55: moderate Local Gouge 60-80 deg. / weak to moderate Fault Zone>>			321.00	324.00	N254400	0.603	0.09	1424.2	55.3	9.39

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<<Struc: 318.55 - 319.25: moderate Fracture / weak to moderate Local Gouge>>			324.00	327.50	N254401	0.415	0.174	1232.4	45.8	7.41	
<<Struc: 320.87 - 320.93: moderate to strong Gouge 80 deg. >>											
<b>327.50</b>	<b>344.90</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	327.50	333.00	N254402	0.379	0.118	1297.2	17.2	8.66
327.5 - 344.9: As above but predominantly broken gougy/fault zone.											
<<Min: 327.5 - 344.9: 10% pyrite / 20% dickite>>			333.00	336.00	N254403	0.382	0.112	406.2	15.6	8.82	
<<Alt: 327.5 - 344.9: moderate Argillic (fault related) / weak to moderate Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>			336.00	339.00	N254404	0.144	0.103	469	7.8	9.13	
<<Vein: 327.5 - 405.75: 1% Pyrite>>			336.00	339.00	N254405	0.169	0.097	349	10.1	9.47	
			339.00	342.00	N254406	0.27	0.114	874.2	16.6	9.42	
<b>344.90</b>	<b>369.90</b>	<b>HTBX Hydrothermal breccia/alterite buff</b>	<b>FG</b>	342.00	345.00	N254407	0.394	0.224	1779	41.4	7.67
344.9 - 369.9: Relatively weakly altered, weak SCP, HTBX +/- relict andesite; core is partially broken with a number of narrow (<10cm) gouge zones decreasing towards the bottom of the interval; fine grained porphyritic to equigranular texture; < in fg disseminated py from above intervals; ultra trace cp +/- cc; locally bleached and orange colour (albite?); abundant dickite infill and dickite slicks; very minor local chlorite; local late breccia veins at 60-80 to CA			345.00	348.00	N254408	0.165	0.036	473.8	3.8	8.88	
<<Min: 344.9 - 369.9: 5% pyrite / 20% dickite>>			348.00	351.00	N254409	0.209	0.009	83.6	2.8	8.91	
<<Alt: 344.9 - 369.9: weak Argillic (fault related) / weak to moderate Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>			351.00	354.00	N254410	0.305	0.008	95.1	4.3	8.53	
<<Struc: 365.65 - 366.75: moderate to strong Fracture 25 deg. / weak to moderate Local Gouge>>			354.00	357.00	N254411	0.134	0.008	95.3	5.5	6.74	
			357.00	360.00	N254412	0.053	0.012	92.9	3	7.23	
			360.00	363.00	N254414	0.069	0.007	70.1	2.2	8.6	
			363.00	366.00	N254415	0.198	0.032	110.2	3.4	8.91	
			366.00	369.00	N254416	0.056	0.038	80.2	8.5	8.27	
<b>369.90</b>	<b>405.75</b>	<b>HTBX Hydrothermal breccia/alterite buff</b>	<b>FG</b>	369.00	372.00	N254417	0.038	0.102	266.6	3.1	8.59
369.9 - 405.75: As above weak SCP HTBX with > relict andesite; fine grained, equigranular to porphyritic; continued bleached with patchy orange colour; 5% disseminated py +/- ultra trace cp; local (<10cm) gouge zones but interval is largely intact and competent			372.00	375.00	N254418	0.047	0.081	468.3	4.8	8.05	
<<Min: 369.9 - 405.75: 5% pyrite / 20% dickite>>			375.00	378.00	N254419	0.016	0.03	165.3	3.9	7.26	
<<Alt: 369.9 - 405.75: / weak to moderate Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>			378.00	381.00	N254421	0.018	0.026	140.5	3.1	7.05	
<<Struc: 384 - 384.04: strong Gouge 60 deg. >>			381.00	384.00	N254422	0.019	0.064	213.3	2.3	8.03	
<<Struc: 386.95 - 387.7: moderate to strong Fracture 50 deg. / moderate Local Gouge>>			384.00	387.00	N254423	0.06	0.077	286.1	2.3	8.47	
<<Struc: 403 - 403.15: strong Slicks 5 deg. >>			387.00	390.00	N254424	0.068	0.054	279.5	2.4	7.85	
			390.00	393.00	N254425	0.019	0.03	129.7	2.1	7.73	

# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
			393.00	396.00	N254426	0.012	0.015	56.4	1.8	8.1
			396.00	399.00	N254427	0.008	0.01	61.4	4	7.53
			399.00	402.00	N254428	0.008	0.008	44.5	2.7	8.65
			402.00	405.00	N254429	0.016	0.021	194.5	1.7	8.16
			405.00	408.00	N254431	0.287	0.005	61.5	1.3	8.19
			408.00	411.00	N254432	0.226	0.003	58.4	1.3	9.29
<b>405.75</b>	<b>410.65</b>	<b>HTBX Hydrothermal breccia/alterite green FMG</b>	<p>405.75 - 410.65: HTBX with relict andesite; HTBX breccia clasts or volcanic fragmental clasts are chloritic; continued weak SCP but locally epidote replaces feldspar (PROP); py at 2-3% as fine grain disseminations and mm-scale clots, no magnetite; 1-2% swirling white carbonate veinlets; chloritic interval is transitional, no defined contact relationships</p> <p>&lt;&lt;Min: 405.75 - 410.65: 3% pyrite / 15% dickite / 15% chlorite / 3% epidote&gt;&gt;</p> <p>&lt;&lt;Alt: 405.75 - 410.65: / weak Silica-Clay-Py / weak to moderate Dickite (overprint/infill) / weak to moderate Propylitic&gt;&gt;</p> <p>&lt;&lt;Vein: 405.75 - 410.65: 2% Calcite&gt;&gt;</p> <p>&lt;&lt;Struc: 406 - 406.04: strong Gouge 80 deg. &gt;&gt;</p>							
			411.00	414.00	N254433	0.201	0.044	42.9	2.4	7.97
<b>410.65</b>	<b>417.10</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	<p>410.65 - 417.1: As per interval from 369.9-405.75m; fine grained equigranular, relict porphyritic andesite textures.</p> <p>&lt;&lt;Min: 410.65 - 417.1: 5% pyrite / 15% dickite&gt;&gt;</p> <p>&lt;&lt;Alt: 410.65 - 417.1: / weak to moderate Silica-Clay-Py / weak to moderate Dickite (overprint/infill)&gt;&gt;</p>							
			414.00	417.10	N254434	0.177	0.013	40.8	2	7.95
<b>End of Hole @ 417.1</b>										



# GeoSpark Logger ~ Drill Log

**Project:** Hushamu **Hole Number:** H17-03

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/19/2017
Easting:	580891	Azimuth:	360	Date Completed:	6/29/2017
Northing:	5613564	Dip:	-55	Drill Company:	Peak
Elevation (m):	632	Length (m):	439	Drill Rig:	
Hole Type:	DD			Drill Started:	6/18/2017
Hole Diameter:				Drill Completed:	6/28/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-53.5	342.1	17.25	359.35	ReflexEzs			55055	<input type="checkbox"/>	
102	-52.9	343.7	17.25	0.95	ReflexEzs			55203	<input type="checkbox"/>	
153	-52.6	345.4	17.25	2.65	ReflexEzs			54988	<input type="checkbox"/>	
204	-52.1	346.2	17.25	3.45	ReflexEzs			54969	<input type="checkbox"/>	
255	-51.7	347.4	17.25	4.65	ReflexEzs			54886	<input type="checkbox"/>	
306	-51.3	348.6	17.25	5.85	ReflexEzs			55040	<input type="checkbox"/>	
358	-50.9	350.3	17.25	7.55	ReflexEzs			55059	<input type="checkbox"/>	
410	-50.7	350.8	17.25	8.05	ReflexEzs			55029	<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<b>0.00</b>	<b>6.00</b>	<b>CASE Drill casing/overburden</b>									
0 - 6: Casing/Overburden; no material recovered											
<b>6.00</b>	<b>9.50</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	6.00	9.00	N254435	0.05	0.128	75.7	81.5	5.76
6 - 9.5: Sulphide leached FeOx HTBX pitted and orange-red colour (limonite, goethite); pseudo porphyritic texture with white clay +/- dickite infill; generally sulphide leached except some SCP patches near lower contact; limonite, goethite; minor Qz veins +/- ultra trace Mo locally at 60-80 to CA ; transitional to lower SCP HTBX.											
<<Min: 6 - 9.5: 50% silicification / 30% clay / 1% pyrite / 0.1% molybdenite>>											
<<Alt: 6 - 9.5: intense Leached (Prev. SCZ)>>											
<<Vein: 6 - 9.5: 1% Quartz>>											
			9.00	12.00	N254436	0.612	0.113	189.6	81.9	6	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>9.50</b>	<b>30.20</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	12.00	15.00	N254437	0.715	0.115	1128.3	96.8	7.56
9.5 - 30.2: Weak Feox on open fractures; texturally destroyed to pseudo porphyritic SCP HTBX + coarse angular late breccia and zunyite altered late breccia and zunyite infilling/veins; increasing disseminated and stringer Py in SCP intervals local scattered and patchy intervals of Cc, locally >2% as per 13.1-17m; local extreme weathering/vuggy core where only Q and alunite remain (17.1-17.5m); weak to locally moderate stockwork Qz veining starts at approx 18m; trace Mo in relict/broken Qz veins; late py stringers cross cut and diplace Qz veins; patchy orange-brown pyrophyllite scattered throughout; coarse polymictic late breccia and SCZ zunyite breccia and infilling have various contact angles from shallow to steep to interfingering; coarse angular late breccia from 22.95-24.2m, sharp lower contact at 40 to CA.										
<<Min: 9.5 - 30.2: 60% silicification / 15% clay / 5% zunyite / 5% pyrophyllite / 12% pyrite / 0.2% chalcocite / 0.1% molybdenite>>			15.00	18.00	N254439	0.86	0.251	8954.3	130	5.17
<<Alt: 9.5 - 30.2: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>			18.00	21.00	N254440	2.71	0.151	267.6	271.2	7.24
<<Vein: 9.5 - 30.2: 5% Quartz / 3% Pyrite>>			21.00	24.00	N254441	0.913	0.229	566.7	139.2	7.23
<<Struc: 24.19 - 24.2: strong Contact 40 deg. >>			24.00	27.00	N254442	1.03	0.396	1393.7	141.6	7.02
			27.00	30.00	N254443	0.836	0.24	880.8	159.4	7.29
			30.00	33.00	N254444	0.603	0.392	693.6	130.3	6.09
<b>30.20</b>	<b>34.00</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	33.00	36.00	N254445	0.752	0.346	358.8	124.1	7.35
30.2 - 34: As above; very strong white clay overprint; continued weak to locally moderate quartz vein stockwork; continued strong Py as fine to medium grained disseminations and veinlets; trace Cc and ultra trace Mo in Qz Veins; local cm to dm-scale wide strong FeOx intervals weathered and vuggy core with no sulphides; locally clastic (late breccia?); diffuse contact with SCP										
<<Min: 30.2 - 40.25: 60% silicification / 10% clay / 5% zunyite / 10% pyrophyllite / 8% pyrite / 0.1% chalcocite / 0.1% molybdenite>>			33.00	36.00	N254446	0.751	0.365	399.8	152.8	6.95
<<Alt: 30.2 - 34: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>										
<<Vein: 30.2 - 34: 3% Quartz / 2% Pyrite>>										
<<Struc: 30.25 - 30.27: moderate Fracture 45 deg. >>										
<b>34.00</b>	<b>40.25</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	36.00	39.00	N254447	1.282	0.219	307.7	166.7	7.9
34 - 40.25: As per interval from 9.5-30.2m; weak quartz stockwork veining; trace to unoxidized from 34-39.73m; locally strong wavy FeOx from 39.73-40.25m; strongly oxidized lower contact with BRXX at 70 degrees to CA; strong >10% Py, locally trace fg Cc and ultra trace Mo in Qz veins										
<<Alt: 34 - 40.25: trace Leached (Prev. SCZ) / strong Silica-Clay-Py>>			39.00	42.00	N254448	0.633	0.289	472.3	125.2	6.5
<<Vein: 34 - 40.25: 3% Quartz / 2% Pyrite>>										
<<Struc: 40.24 - 40.25: weak to moderate Contact 70 deg. >>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<b>40.25</b>	<b>44.65</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>FMG</b>	42.00	45.00	N254449	0.522	0.226	413.1	129.3	5.87
<p>40.25 - 44.65: Upper contact at 70 to CA; lower contact irregular at about 45 to CA; angular to subrounded, polymictic breccia; partial FeOx from 40.25-41.08m and intense FeOx from 43.65-44.65m; local disseminated and blebs py in BRXX + local ultra trace Cc in SCP fragments</p> <p>&lt;&lt;Min: 40.25 - 44.65: 40% silicification / 15% clay / 5% zunyite / 3% pyrite / 0.1% chalcocite / 10% alunite&gt;&gt;</p> <p>&lt;&lt;Alt: 40.25 - 44.65: weak to moderate Leached (Prev. SCZ) / weak to moderate Propylitic&gt;&gt;</p> <p>&lt;&lt;Struc: 44.64 - 44.65: weak to moderate Contact 45 deg. &gt;&gt;</p>											
<b>44.65</b>	<b>51.00</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	45.00	48.00	N254450	0.405	0.517	448.8	545.6	5.88
<p>44.65 - 51: Leached HTBX; deep FeOx weathering; pitted and vuggy; low angle banding and contacts; minor disseminated Py and strongly developed quartz stockwork veining in less oxidized SCP islands; no visible secondary copper; interfingere lower contact with SCP</p> <p>&lt;&lt;Min: 44.65 - 51: 40% silicification / 25% clay / 2% pyrite / 10% alunite&gt;&gt;</p> <p>&lt;&lt;Alt: 44.65 - 51: strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 44.65 - 51: 4% Quartz&gt;&gt;</p>											
<b>51.00</b>	<b>64.15</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	51.00	54.00	N254452	1.338	0.252	229.4	177.8	4.4
<p>51 - 64.15: Texturally destroyed HTBX; locally strong quartz stockwork veining +/- trace fg Mo in grey quartz veins; disseminated and stringer Py 10% and local patchy trace fg Cc; locally abundant pyrophyllite; locally intensely vuggy and leached at 57-58.75m; vague banding at low core angle; minor (&lt;30cm) zunyite altered late breccias; interfingered lower contact with FeOx interval</p> <p>&lt;&lt;Min: 51 - 64.15: 50% silicification / 25% clay / 5% zunyite / 12% pyrite / 0.1% chalcocite / 5% pyrophyllite&gt;&gt;</p> <p>&lt;&lt;Alt: 51 - 64.15: moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 51 - 64.15: 10% Quartz / 2% Pyrite&gt;&gt;</p>											
<b>64.15</b>	<b>73.40</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	54.00	57.00	N254454	0.826	0.369	998.4	128.1	6.5
<p>64.15 - 73.4: Leached and oxidized HTBX; patchy white-pink clay; broken quartz veins and relict quartz stockwork in less oxidized intervals; low angle fractures 20-30 degrees to CA; disseminated Py and patchy Cc in partially leached SCP islands; 72.15-73.4m, partially oxidized late breccia vein with sharp oxidized upper contact at 45 degrees to CA, lower contact interfingered</p> <p>&lt;&lt;Min: 64.15 - 73.4: 50% silicification / 30% clay / 3% pyrite / 0.1% chalcocite&gt;&gt;</p> <p>&lt;&lt;Alt: 64.15 - 73.4: strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 64.15 - 73.4: 10% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 64.15 - 73.4: weak to moderate Fracture 25 deg. &gt;&gt;</p>											
				57.00	60.00	N254455	1.037	0.249	300.8	210.6	3.35
				60.00	63.00	N254456	1.012	0.186	977.1	152.6	7.46
				63.00	66.00	N254457	0.429	0.241	344.9	123.6	3.96
				66.00	69.00	N254458	0.29	0.222	316.6	186.1	6.54
				69.00	72.00	N254459	0.164	0.246	570.5	110	3.36
				72.00	75.00	N254461	0.59	0.217	440	133	5.74



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<b>73.40</b>	<b>77.30</b>	<b>QFPP Qz Feldspar Porphyry</b>	<b>FMG</b>	75.00	78.00	N254462	0.499	0.11	234.7	97.8	6.6
<p>73.4 - 77.3: QFPP; locally weakly oxidized; locally weakly pitted; pheonocrysts replaced by clay; locally fine blebs of orange brown pyrophyllite; weak to moderate quartz veinlet stockwork; Py as fine disseminations and clots + fracture filling; trace Mo in Qz veinlets, Trace Cc as coatings and replacement of Py; oxidized lower contact about 45 degrees to CA.</p> <p>&lt;&lt;Min: 73.4 - 77.3: 40% silicification / 30% clay / 5% pyrite / 0.1% chalcocite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 73.4 - 77.3: weak to moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 73.4 - 77.3: 5% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 77.28 - 77.3: weak to moderate Contact 45 deg. &gt;&gt;</p>											
<b>77.30</b>	<b>85.00</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	78.00	81.00	N254463	0.021	0.185	175.4	202.1	5.06
<p>77.3 - 85: Locally deeply FeOx altered sulphide leached HTBX; highly oxidized rock is broken and locally pitted; less oxidized intervals are mottled with clots of pink-white clay and locally pseudo porphyritic and exhibit very strong quartz stockwork an detached quartz veins generally running parallel to CA; local minor (&lt;15cm wide) zunyite altered (oxidized) intervals; grey quartz veins contain trace Mo and Cc?; transitional to less oxidized interval.</p> <p>&lt;&lt;Min: 77.3 - 85: 40% silicification / 40% clay / 0.1% chalcocite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 77.3 - 85: strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 77.3 - 85: 10% Quartz&gt;&gt;</p>											
<b>85.00</b>	<b>93.75</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	87.00	90.00	N254466	0.319	0.109	74.5	65.7	7.49
<p>85 - 93.75: As per previous description; locally weak to trace oxidation; trace-1% fine grained Py, trace Cc and trace vfg Mo in quartz veins; strong quartz stockwork throughout; pale grey-green late zunyite dyke runs roughly parallel to CA from 93.3 93.75m with an interfingered lower contact roughly 45 degrees to CA</p> <p>&lt;&lt;Min: 85 - 93.75: 50% silicification / 30% clay / 0.5% pyrite / 0.1% chalcocite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 85 - 93.75: moderate to strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 85 - 93.75: 15% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 88.97 - 89: moderate to strong Fracture 20 deg. &gt;&gt; healed fracture</p>											
<b>93.75</b>	<b>104.70</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	96.00	99.00	N254470	0.092	0.266	216.9	176.7	6.56
<p>93.75 - 104.7: Locally deeply oxidized sulphide leached HTBX; locally pitted; abundant limonite, goethite after sulphide; less oxidized intervals with detached and broken light grey quartz veins (relict quartz stockwork) +/- trace Mo; trace oxidized Py remains; mottled clay overprint remains; unoxidized interval with oxidized SCP fragments from 98.8-99.9m contains &gt;10% py, &gt;tr fg Mo + tr Cc; transitional to underlying less oxidized interval</p> <p>&lt;&lt;Min: 93.75 - 104.7: 40% silicification / 40% clay / 2% pyrite / 0.1% chalcocite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 93.75 - 104.7: strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 93.75 - 104.7: 5% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 94.92 - 94.97: moderate Gouge 50 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 100.95 - 100.99: moderate Fracture 25 deg. &gt;&gt;</p>											
				99.00	102.00	N254471	0.424	0.271	304.8	138.7	11.31
				102.00	105.00	N254472	0.035	0.256	150.1	36.9	6.13

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>104.70</b>	<b>115.50</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	105.00	108.00	N254473	0.147	0.35	1307.1	40.2	6.26
<p>104.7 - 115.5: As per previous intervals; dm to metre-scale wide alternating intervals of trace to unoxidized and weakly to partially oxidized texturally destroyed HTBX; oxidized intervals are completely to partially sulphide leached; unoxidized intervals are grey colour, pervasively silicified with locally well developed quartz stockwork, quartz stockwork overprinted and destroyed by silicification in places; locally abundant clots of orange-brown pyrophyllite; unoxidized to weakly oxidized HTBX contains &gt;10% Py, trace to locally 1% Cc and trace Mo in grey fg quartz veins; transitional to lower well mineralized SCP HTBX.</p> <p>&lt;&lt;Min: 104.7 - 115.5: 50% silicification / 30% clay / 10% pyrite / 0.3% chalcocite / 0.1% molybdenite / 0.1% covellite&gt;&gt;</p> <p>&lt;&lt;Alt: 104.7 - 115.5: weak to moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 104.7 - 115.5: 15% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 107.5 - 107.52: moderate to strong Fracture 30 deg. &gt;&gt; healed fracture</p> <p>&lt;&lt;Struc: 111.35 - 111.37: moderate Fracture 35 deg. &gt;&gt;</p>			108.00	111.00	N254474	0.222	0.238	268.5	58.5	5.83
			111.00	114.00	N254475	0.123	0.204	402.9	52.6	6.16
			114.00	117.00	N254476	0.12	0.294	347	53.2	6.24
<b>115.50</b>	<b>129.50</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	117.00	120.00	N254478	1.094	0.235	3079.2	135.4	6.46
<p>115.5 - 129.5: Grey, fine grained texturally destroyed SCP HTBX; locally trace oxidation on open fractures at low angle to CA; pale grey broken and detached quartz veins (relict stockwork) and locally pervasive fine grained silicification overprints and destroys quartz veining; locally abundant cm-scale blebs and clots of pale orange-brown pyrophyllite; &gt;10% Py as cm-scale fine grained aggregates and mm-scale wide discontinuous stringers; Cv&gt;Cc throughout as fine specks and 1-5mm clots; locally, secondary copper mineralization exceeds 3% Cv, Cc; ultra trace fine grained Mo along margins of some quartz veins; transitional to lower increased oxidation +/- sulphide leached interval.</p> <p>&lt;&lt;Min: 115.5 - 129.5: 60% silicification / 20% clay / 12% pyrite / 0.1% chalcocite / 0.5% covellite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 115.5 - 129.5: trace Leached (Prev. SCZ) / strong Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 115.5 - 129.5: 8% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 115.5 - 129.5: weak Fracture 10-20 deg. &gt;&gt;</p>			120.00	123.00	N254479	0.111	0.414	1056	38.8	7.01
			123.00	126.00	N254480	0.111	0.51	7737.4	34.6	6.17
			126.00	129.00	N254481	0.214	0.337	2211.5	43.6	7.11
			129.00	132.00	N254482	0.144	0.204	260.7	72.7	8.38
<b>129.50</b>	<b>137.70</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	132.00	135.00	N254484	0.088	0.219	209.4	62.7	7.46
<p>129.5 - 137.7: Weakly to locally strongly oxidized texturally destroyed HTBX; strongly oxidized intervals are broken along low angle fractures locally with malachite and locally pitted with limonite, goethite and nil to trace fg Py; less oxidized intervals are fine grained, grey SCP HTBX with some grey detached quartz veins and 2-4% Py and locally trace fine clots of Cc and ultra trace Mo in quartz veins; local minor (&lt;30cm) zunyite altered dykes/veins; less oxidized intervals with locally abundant clots of orange-brown pyrophyllite.</p> <p>&lt;&lt;Min: 129.5 - 137.7: 50% silicification / 25% clay / 2% pyrite / 0.1% chalcocite / 0.1% molybdenite / 0.2% malachite / 7.5% zunyite&gt;&gt;</p> <p>&lt;&lt;Alt: 129.5 - 137.7: moderate Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 129.5 - 137.7: 3% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 129.5 - 137.7: weak to moderate Fracture 10-20 deg. &gt;&gt;</p>			135.00	138.00	N254485	0.016	0.157	132.4	47.6	4.61

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<b>137.70</b>	<b>145.70</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	138.00	141.00	N254486	0.1	0.117	103.1	49.7	6.33	
<p>137.7 - 145.7: SCP HTBX; weak oxidation along open and healed fractures; grey, fine grained and texturally destroyed; pervasive fine grained silicification destroys/breaks fine grained grey quartz veins (relict stockwork); mostly sulphide leacher with trace to 1% Py +/- ultra trace Cc. abundant clots of orange-brown pyrophyllite; from 144.87-145.7m, contact zone with underlying BRXX; local zunyite infilling, clots of fine grained Py and &gt; Cc and Mo; diffuse contact with underlying BRXX.</p> <p>&lt;&lt;Min: 137.7 - 145.7: 50% silicification / 30% clay / 1% pyrite / 0.1% chalcocite / 0.1% molybdenite / 5% zunyite&gt;&gt;</p> <p>&lt;&lt;Alt: 137.7 - 145.7: strong Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 137.7 - 145.7: 4% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 140.5 - 140.51: weak to moderate Slicks 30 deg. &gt;&gt;</p>			141.00	144.00	N254487	0.115	0.147	153.1	37.3	5.89	
			144.00	147.00	N254488	0.297	0.151	370.5	42.6	6.2	
<b>145.70</b>	<b>152.20</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>FMG</b>	147.00	150.00	N254489	0.32	0.163	298.9	48.9	5.35
<p>145.7 - 152.2: BRXX; fine to coarse grained polymictic angular to subrounded late breccia dyke; locally zunyite altered as infilling/bands/veins and as zunyite altered clasts; contains detached/broken pieces of grey quartz veins; fine grained Py as disseminations and clots within matrix and in breccia fragments; local trace Cc partially replaces/coats Py; upper contact diffuse over about 0.8m; lower contact irregular about 50 degrees to CA.</p> <p>&lt;&lt;Min: 145.7 - 152.2: 55% silicification / 20% clay / 15% zunyite / 5% pyrite / 0.1% chalcocite&gt;&gt;</p> <p>&lt;&lt;Alt: 145.7 - 152.2: trace Leached (Prev. SCZ) / moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 145.7 - 152.2: 3% Quartz&gt;&gt; broken quartz vein fragments</p>			150.00	153.00	N254490	0.322	0.133	307	47.7	5.08	
<b>152.20</b>	<b>177.70</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	153.00	156.00	N254491	0.01	0.083	78.6	36.6	3.4
<p>152.2 - 177.7: Pink to orange-red weakly to partially oxidized texturally destructive to porphyritic HTBX; Leached sulphide veinlets and isolated leached pyrite islands (limonite, goethite, red hematite) at various orientations to CA in more oxidized intervals; Relict quartz veins +/- trace Mo; rare disseminated Py +/- trace Cc +/- Cv; less oxidized +/- SCP intervals with 2-3% diss and fracture controlled pyrite and trace Cc as coatings and partial replacement of Py; 10-20% by volume of interval is late zunyite breccia/veins and zunyite infilling/alteration; crackled Si (brittle fracture)</p> <p>&lt;&lt;Min: 152.2 - 177.7: 50% silicification / 25% clay / 10% zunyite / 5% alunite / 2% pyrite / 0.05% chalcocite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 152.2 - 177.7: moderate to strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 152.2 - 177.7: 3% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 170.45 - 170.5: moderate to strong Fracture 10 deg. / moderate Local Gouge 10 deg. &gt;&gt;</p>			153.00	156.00	N254492	0.014	0.07	68.1	27.8	3.74	
			156.00	159.00	N254493	0.031	0.069	56.7	27.6	4.99	
			159.00	162.00	N254494	0.009	0.081	52.2	31.4	4	
			162.00	165.00	N254495	0.283	0.071	84.3	69.9	6.93	
			165.00	168.00	N254496	0.079	0.07	111.1	43.7	4.62	
			168.00	171.00	N254497	0.027	0.068	80.1	43.9	3.36	
			171.00	174.00	N254499	0.191	0.078	169.1	38.3	4.29	
			174.00	177.00	N254500	0.299	0.077	88.6	42.8	5.23	
			177.00	180.00	N254501	0.023	0.133	209.5	63.4	5.19	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>177.70</b>	<b>198.80</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	180.00	183.00	N254502	0.018	0.114	115.9	63.6	4.48
177.7 - 198.8: Texturally destroyed to pseudo porphyritic HTBX; intense FeOx along low angle fractures with local gouge (FeOx); leached sulphide; goethite, limonite and red hematite; intense FeOx fracture/local gouge intervals from 177.9-179.85m and 185.75-192.6m; locally intense silicification with crackle features (brittle fracture); locally pitted and with cm-scale void spaces; minor dm-scale wide fragments or rafts of quartz-pyrite-clay (SCP) as at 194.1-194.34m; locally relict grey quartz veins +/- trace fgdiss and vein Mo; locally dm-scale wide intervals of zunyite infilling/alteration.										
<<Min: 177.7 - 198.8: 50% silicification / 25% clay / 10% zunyite / 10% alunite / 1% pyrite / 0.1% molybdenite>>			183.00	186.00	N254503	0.016	0.181	246.2	111.1	3.73
<<Alt: 177.7 - 198.8: intense Leached (Prev. SCZ)>>			186.00	189.00	N254504	0.015	0.081	575.3	108.7	5.17
<<Vein: 177.7 - 198.8: 2% Quartz>>			189.00	192.00	N254505	0.017	0.068	343.5	83.4	4.03
<<Struc: 177.7 - 198.8: moderate to strong Fracture 0-20 deg. / moderate Local Gouge 0-20 deg. >>			192.00	195.00	N254506	0.119	0.178	395.7	63.5	2.81
			195.00	198.00	N254508	0.044	0.08	145.3	49.5	3.16
			198.00	201.00	N254509	0.014	0.074	83	56.3	3.64
<b>198.80</b>	<b>203.00</b>	<b>BRXX Late, angular Breccia (+/- yellow FMG zunyite)</b>	201.00	204.00	N254510	0.011	0.077	74.1	53.7	4.73
198.8 - 203: SCZ altered BRXX; pervasive weak oxidation; ultra trace Py in some breccia clasts; diffuse upper contact; lower contact at 70 degrees to CA										
<<Min: 198.8 - 203: 0.25% pyrite / 30% clay / 50% zunyite>>										
<<Alt: 198.8 - 203: weak to moderate Leached (Prev. SCZ)>>										
<<Struc: 202.99 - 203: weak to moderate Contact 70 deg. >>										
<b>203.00</b>	<b>226.50</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	204.00	207.00	N254511	0.015	0.088	186.1	79.3	3.01
203 - 226.5: As per interval from 177.7-198.8m; intense FeOx along low angle fractures with local gouge from 209.7-211.45m and 225.4-226.5m; locally pitted and with large void spaces from leaching of sulphides +/- clay; locally fragments and islands of SCP and semi massive Py (cm-scale) +/- trace Cc coating Py; locally relict grey quartz veins +/- trace fg diss and vein Mo; some wispy and patchy zunyite alteration/infilling; SCZ altered BRXX from 220.85-222.22, upper and lower contacts both wavy and irregular.										
<<Min: 203 - 226.5: 50% silicification / 25% clay / 10% zunyite / 5% alunite / 1% pyrite / 0.1% molybdenite>>			207.00	210.00	N254512	0.184	0.115	271.9	70.5	3.4
<<Alt: 203 - 226.5: intense Leached (Prev. SCZ) / trace Silica-Clay-Py>>			207.00	210.00	N254513	0.155	0.115	236	68.8	3.42
<<Vein: 203 - 226.5: 3% Quartz>>			210.00	213.00	N254514	0.197	0.201	373.9	100	4.36
<<Struc: 203 - 226.5: moderate to strong Fracture 0-20 deg. / weak to moderate Local Gouge>>			213.00	216.00	N254515	0.017	0.115	244.8	78.6	2.6
			216.00	219.00	N254516	0.01	0.056	75.1	65.1	3.19
			219.00	222.00	N254517	0.048	0.052	91.3	43.2	1.47
			222.00	225.00	N254518	0.02	0.07	73.8	28.7	0.5
			225.00	228.00	N254519	0.019	0.077	141.6	55.9	2.47

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>226.50</b>	<b>261.30</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	228.00	231.00	N254520	0.155	0.113	123.6	58.2	4.36
<p>226.5 - 261.3: Texturally destroyed to pseudo porphyritic HTBX; increased concentration of +/- SCZ altered late breccia and zunyite infilling up to 40% by volume; porphyritic texture increases down interval; increased clay as clots, veins and partial replacement of feldspar; decreased silica flooding; core is deeply oxidized and fractured along low angle fractures from 253.3-255m; occasional patchy SCP with disseminated and stringer Py; diffuse Mo in relict quartz veins and areas of increased silica flooding; fine to coarse angular to subrounded polymictic late breccia with 2-4% diss and clots of Py from 258.8-261.3m' sharp upper and lower contacts at 45 degrees to CA</p> <p>&lt;&lt;Min: 226.5 - 261.3: 45% silicification / 30% clay / 15% zunyite / 1% pyrite / 0.05% chalcocite / 0.15% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 226.5 - 261.3: strong Leached (Prev. SCZ) / weak Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 226.5 - 261.3: 4% Quartz&gt;&gt;</p> <p>&lt;&lt;Struc: 253.3 - 255: moderate to strong Brittle Fracture 10-35 deg. / moderate Local Gouge&gt;&gt;</p> <p>&lt;&lt;Struc: 258.79 - 258.8: strong Contact 45 deg. &gt;&gt;</p> <p>&lt;&lt;Struc: 261.29 - 261.3: strong Contact 45 deg. &gt;&gt;</p>			231.00	234.00	N254521	0.2	0.178	124.9	55.7	4.48
			234.00	237.00	N254522	0.07	0.113	48.8	39.2	4.74
			237.00	240.00	N254524	0.153	0.085	62.8	44.9	6.19
			240.00	243.00	N254525	0.032	0.063	37.3	45.8	6.92
			243.00	246.00	N254526	0.017	0.06	49.7	38.1	2.17
			246.00	249.00	N254527	0.006	0.06	35.5	44.6	3.66
			249.00	252.00	N254528	0.017	0.056	40.3	69.8	3.09
			252.00	255.00	N254529	0.015	0.084	84.6	97.4	1.59
			255.00	258.00	N254531	0.131	0.053	44.5	121.7	3.57
			258.00	261.00	N254532	0.285	0.105	144.3	88.6	4.27
			261.00	264.00	N254533	0.081	0.061	51.9	80.4	1.98
<b>261.30</b>	<b>267.00</b>	<b>HTBX Hydrothermal breccia/alterite FG</b>	264.00	267.00	N254534	0.027	0.049	38.5	88.9	2.37
<p>261.3 - 267: Texturally destroyed to pseudo porphyritic HTBX; trace oxidation on open fractures; minor component of swirling and wispy zunyite infilling; marked increase in vfg Mo in siliceous patches and relict quartz veins; nil to trace Py; locally clots of white clay and clay partially replacing feldspar; transitional to lower secondary Cu + Py mineralization.</p> <p>&lt;&lt;Min: 261.3 - 267: 55% silicification / 25% clay / 10% zunyite / 0.1% pyrite / 0.2% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 261.3 - 267: weak Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 261.3 - 267: 4% Quartz&gt;&gt;</p>										
<b>267.00</b>	<b>291.95</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	267.00	270.00	N254535	0.333	0.083	669.7	74	3.44
<p>267 - 291.95: Silica + clay +/- Py HTBX; textures destroyed to pseudo porphyritic (amygdaloidal?); disseminated and blebby Py 1-3% (patchy); +Cv +/- Cc coatings and veinlets/stringers scattered throughout locally to 3% as at 283.5-285m; local broken and detached quartz veins +/- disseminated and wormy Mo; porphyritic to amygdaloidal texture locally increases, altered to clay +/- pyrophyllite clots; minor dm-scale wide zunyite dykes/infillings, diffuse and generally running sub parallel to CA as at 282.05-282.95m with Cv +/- Cc along margins; 286.8-288m; polymictic milled breccia with angular to subrounded clasts, zunyite altered on the diffuse upper and lower margins; pyrite as clots and disseminations in matrix and in SCP fragments (5%) with trace Cc coatings; 290-291.46m fine to medium grained porphyritic interval, contacts irregular around 70 to CA; possible quartz eyes?; trace disseminated Py +/- weak Cc coating; sharp lower contact with BRXX at 75 degrees to CA</p> <p>&lt;&lt;Min: 267 - 291.95: 55% silicification / 25% clay / 7.5% zunyite / 2% pyrite / 0.3% covellite / 0.1% chalcocite / 0.15% molybdenite&gt;&gt;</p>										
			270.00	273.00	N254536	0.371	0.061	175.2	97	4.08

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 267 - 291.95: trace Leached (Prev. SCZ) / strong Silica-Clay-Py>> <<Vein: 267 - 291.95: 3% Quartz>> <<Struc: 285.05 - 285.06: strong Slicks 15 deg. >> pyrite-dickite slicks <<Struc: 291.94 - 291.95: strong Contact 75 deg. >>			273.00	276.00	N254537	0.858	0.061	370.3	134	3.94
			273.00	276.00	N254538	0.88	0.063	235.8	139.5	4.4
			276.00	279.00	N254539	1.082	0.062	460	147	3.86
			279.00	282.00	N254540	0.536	0.063	151.1	77.8	5.29
			282.00	285.00	N254541	0.499	0.114	931	97	4.72
			285.00	288.00	N254542	0.274	0.088	103.9	50.9	5.13
			288.00	291.00	N254543	0.295	0.039	81.5	54.7	5.09
			291.00	294.00	N254544	0.464	0.077	268.8	80.7	5.9
<b>291.95 301.00 BRXX Late, angular Breccia (+/- green zunyite)</b>			294.00	297.00	N254545	0.488	0.117	147.4	91.9	6.58
291.95 - 301: Massive, late breccia, generally matrix supported, mm-scale to rare 10-15cm angular to sub rounded polymictic clasts; clasts range from large SCP with disseminated Py +/- Cc and ultra trace cpy to clay altered to dark grey siliceous +/- fg Mo; disseminated Py in fragments and in matrix; late zunyite flooding locally eliminates Py; no veining: abundant Cv. Cc over 10-20cm area around upper and lower contacts; sharp lower contact at 75 degrees to CA										
<<Min: 291.95 - 301: 50% silicification / 10% clay / 25% zunyite / 5% pyrite / 0.1% chalcocite / 0.1% molybdenite / chalcopyrite>>			297.00	300.00	N254546	0.529	0.123	155.2	90.1	6.07
<<Alt: 291.95 - 301: / weak to moderate Silica-Clay-Py>>			300.00	303.00	N254547	0.546	0.095	136.8	83.6	4.86
<<Struc: 300.99 - 301: strong Contact 75 deg. >>										
<b>301.00 312.90 HTBX Hydrothermal breccia/alterite FG</b>			303.00	306.00	N254548	0.399	0.046	53.2	81.7	4.88
301 - 312.9: Texturally destroyed to locally pseudo porphyritic SCP HTBX; locally trace oxidation on open fractures; locally pale orange-yellow stain; locally strong clay as partial replacements of feldspar and cm scale clots; locally clots of pyrophyllite; wispy and irregular zunyite as infilling and late dykes to 30-40% of interval; local finer grained angular breccia, recrystallized HTBX?; fine grained Py as disseminations and fine fracture fills +/- trace coatings of Cc; fg Mo in silicified patches and breccia fragments; 310-312.9m; trace red hematite (after Py?) with specular hematite? At 312.6-312.7m; transitional to lower polymictic breccia										
<<Min: 301 - 312.9: 55% silicification / 25% clay / 10% zunyite / 1% pyrite / 0.1% chalcocite / 0.2% molybdenite>>			306.00	309.00	N254550	0.225	0.056	48.8	84.3	3.58
<<Alt: 301 - 312.9: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>			309.00	312.00	N254551	0.194	0.088	70.1	108.5	5.19
			312.00	315.00	N254552	0.607	0.089	116.8	113	6.68
<b>312.90 318.10 BRXX Late, angular Breccia (+/- zunyite) FMG</b>			315.00	318.00	N254553	0.461	0.129	122.1	71.8	5.89
312.9 - 318.1: Polymictic clast supported breccia with angular to sub rounded clasts ranging from <1cm to 10cm; BRXX or HTBX?; disseminated and fine gd Py within and rimming clasts +/- trace Cc coatings; trace Mo in dark grey clasts; local broken quartz vein material; some grey-blue dickite veinlets; transitional upper contact; crushed and weakly gouged lower contact.										
<<Min: 312.9 - 318.1: 50% silicification / 15% clay / 15% zunyite / 3% pyrite / 0.05% chalcocite / 0.1% molybdenite>>			318.00	321.00	N254554	0.536	0.084	95	155	7.17
<<Alt: 312.9 - 318.1: / weak to moderate Silica-Clay-Py>>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
<<Vein: 312.9 - 318.1: 1% Quartz / 2% Dickite>> <<Struc: 318.05 - 318.1: moderate Brittle Fracture / weak Local Gouge>>											
<b>318.10</b>	<b>328.60</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	321.00	324.00	N254555	0.758	0.055	46.4	156.4	5.69
318.1 - 328.6: Texturally destroyed to porphyritic HTBX; zunyite infill and late dykes to 323m; bcomes more porphyritic (amygdaloidal?) lower in the interval; locally broken along low angle fractures (05-25 to CA) with locally weak to moderate FeOx; minor broken grey quartz veins; dickite stringers and locally dickite-pyrite slicks; clay as partial replacement of feldspar; intensely silicified and crackled/pitted (brittle fracture) from 324.9-326.7m with local fg Mo; 1-2 % disseminated and fracture controlled fg Py +/- trace to locally >trace Cc.											
<<Min: 318.1 - 328.6: 50% silicification / 15% clay / 10% zunyite / 1% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 318.1 - 328.6: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>											
<<Vein: 318.1 - 328.6: 1% Quartz / 2% Dickite>>											
<<Struc: 318.1 - 328.6: weak to moderate Brittle Fracture 05-25 deg. >>											
<b>328.60</b>	<b>335.15</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	330.00	333.00	N254559	0.303	0.079	100	116.2	9.5
328.6 - 335.15: As above; locally abundant 1-2cm pink-white clay altered fragments; locally broken along weakly oxidized fractures at 10-30 degrees to CA; trace Py +/- Cc in clay altered fragments; transitional to SCP HTBX with BRXX											
<<Min: 328.6 - 335.15: 55% silicification / 30% clay / 0.5% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 328.6 - 335.15: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>											
<b>335.15</b>	<b>340.95</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	330.00	333.00	N254560	0.268	0.076	87.3	120.2	10.77
335.15 - 340.95: Texturally destroyed to pseudo porphyritic HTBX; intermittent late zunyite breccia; trace oxidation on open fractures; 3-4% Py as disseminations and fracture fillings; trace Cc as coatings on Py; Mo as fine disseminations and worm veinlets											
<<Min: 335.15 - 340.95: 55% silicification / 20% clay / 10% zunyite / 4% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 335.15 - 340.95: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<b>340.95</b>	<b>357.90</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>FG</b>	333.00	336.00	N254561	1.312	0.054	70.1	225.3	8.01
340.95 - 357.9: As above; marked increase in late zunyite breccia and wispy and irregular zunyite infilling/veins (about 30-40% by volume); locally broken along partially oxidized fractures at 05-25 degrees to CA; locally weakly oxidized around breccia fragments in strongly recrystallized breccias; 2-3% fg disseminated Py; trace to locally 1-2% Cv+/-Cc (over dm-scal wide scattered intervals) often concentrated on the margins of late zunyite breccia to 350m; diss fg Mo.											
<<Min: 340.95 - 357.9: 50% silicification / 20% clay / 20% zunyite / 3% pyrite / 0.1% covellite / 0.05% chalcocite / 0.2% molybdenite>>											
<<Alt: 340.95 - 357.9: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Struc: 340.95 - 357.9: weak Brittle Fracture 05-25 deg. >>											
<<Vein: 318.1 - 328.6: 1% Quartz / 2% Dickite>>											
<<Struc: 318.1 - 328.6: weak to moderate Brittle Fracture 05-25 deg. >>											
<<Min: 328.6 - 335.15: 55% silicification / 30% clay / 0.5% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 328.6 - 335.15: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>											
<<Min: 335.15 - 340.95: 55% silicification / 20% clay / 10% zunyite / 4% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 335.15 - 340.95: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Min: 340.95 - 357.9: 50% silicification / 20% clay / 20% zunyite / 3% pyrite / 0.1% covellite / 0.05% chalcocite / 0.2% molybdenite>>											
<<Alt: 340.95 - 357.9: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Struc: 340.95 - 357.9: weak Brittle Fracture 05-25 deg. >>											
<<Vein: 318.1 - 328.6: 1% Quartz / 2% Dickite>>											
<<Struc: 318.1 - 328.6: weak to moderate Brittle Fracture 05-25 deg. >>											
<<Min: 328.6 - 335.15: 55% silicification / 30% clay / 0.5% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 328.6 - 335.15: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py>>											
<<Min: 335.15 - 340.95: 55% silicification / 20% clay / 10% zunyite / 4% pyrite / 0.05% chalcocite / 0.1% molybdenite>>											
<<Alt: 335.15 - 340.95: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Min: 340.95 - 357.9: 50% silicification / 20% clay / 20% zunyite / 3% pyrite / 0.1% covellite / 0.05% chalcocite / 0.2% molybdenite>>											
<<Alt: 340.95 - 357.9: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>											
<<Struc: 340.95 - 357.9: weak Brittle Fracture 05-25 deg. >>											
<<Vein: 318.1 - 328.6: 1% Quartz / 2% Dickite>>											
<<Struc: 318.1 - 328.6: weak to moderate Brittle Fracture 05-25 deg. >>											



# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-03

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>357.90</b>	<b>372.50</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	360.00	363.00	N254571	0.976	0.133	913	169.7	5.33
<p>357.9 - 372.5: Texturally destroyed SCP HTBX with intermittent zunyite breccia and local milled polymictic breccia with irregular contacts but mostly at low angle to CA; SCP intervals with pervasive fine grained silicification locally with relict amygduoles; marked increase in Py to 10%; trace fg disseminated and mm-scale blebs of Cv and Cc scattered throughout locally concentrated to 1-2% over dm-scale wide intervals; locally weakly broken along brittle fractures with Py-dickite slicks at 10 degrees to CA; fg Mo veins and disseminated patches; minor amount of orange-brown pyrphyllite increasing down interval; minor grey-blue dickite stringers.</p> <p>&lt;&lt;Min: 357.9 - 372.5: 50% silicification / 20% clay / 5% dickite / 10% pyrite / 0.1% chalcocite / 0.1% covellite / 0.1% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 357.9 - 372.5: / strong Silica-Clay-Py / weak to moderate Dickite (overprint/infill)&gt;&gt;</p> <p>&lt;&lt;Vein: 357.9 - 372.5: / 1% Dickite / 2% Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 357.9 - 372.5: weak to moderate Brittle Fracture 10 deg. / moderate Slicks 10 deg. &gt;&gt;</p>			363.00	366.00	N254572	0.72	0.108	1061.2	126.4	5.12
			366.00	369.00	N254573	1.027	0.14	1799	192.7	4.97
			369.00	372.00	N254574	0.899	0.132	1130.5	193.9	4.18
			372.00	375.00	N254575	0.837	0.104	506	193.7	4.97
<b>372.50</b>	<b>412.15</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	375.00	378.00	N254577	0.688	0.141	761.4	219.7	3.21
<p>372.5 - 412.15: As above; locally pseudo porphyritic textures; core is fractured and broken along brittle fractures at 05-30 degrees to CA with local strong increase in Py-dickite slips and minor (&lt;5cm wide) weakly gouged py-ser intervals; locally trace to weak oxidation along open fractures, with local weak pitting; local late zunyite breccia to about 10-20% volume; continued Py-Cv-Cc-Mo mineralization as per previous description, local ultra trace Cp with Cv; late breccia intervals with &lt;&lt;Py + Cv, Cc and Mo but better mineralization generally concentrated on the margins; sharp lower, weakly gouged contact with SCP HTBX at 30 degrees to CA</p> <p>&lt;&lt;Min: 372.5 - 412.5: 55% silicification / 20% clay / 5% dickite / 10% pyrite / 0.1% chalcocite / 0.1% covellite / 0.2% molybdenite&gt;&gt;</p> <p>&lt;&lt;Alt: 372.5 - 412.5: / strong Silica-Clay-Py / weak to moderate Dickite (overprint/infill)&gt;&gt;</p> <p>&lt;&lt;Vein: 372.5 - 412.5: / 2% Dickite / 2% Pyrite&gt;&gt;</p> <p>&lt;&lt;Struc: 372.5 - 412.5: weak to moderate Brittle Fracture 05-30 deg. / moderate to strong Slicks 05-30 deg. &gt;&gt;</p>			378.00	381.00	N254578	0.856	0.097	661.1	188.7	5.55
			381.00	384.00	N254579	1.195	0.13	1934.1	224.5	7.55
			384.00	387.00	N254580	0.518	0.104	457.9	115.6	5.36
			387.00	390.00	N254581	0.229	0.081	287.3	41	5.37
			390.00	393.00	N254582	2.182	0.574	8621	314.6	6.58
			393.00	396.00	N254583	0.483	0.195	332.1	92.8	5.53
			396.00	399.00	N254584	0.639	0.261	526.4	110.7	5.37
			396.00	399.00	N254585	0.601	0.278	502.8	112.2	6.12
			399.00	402.00	N254586	0.595	0.169	323.2	111.8	4.97
			402.00	405.00	N254587	0.727	0.119	457.4	132.5	4.61
			405.00	408.00	N254588	0.762	0.162	585.1	129.9	5.74
			408.00	411.00	N254589	0.202	0.154	1472.6	66.3	5.87
			411.00	414.00	N254590	0.25	0.241	2285.4	67.9	5.65





# GeoSpark Logger ~ Drill Log

**Project:**

**Hushamu**

**Hole Number:**

**H17-03**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>412.15</b>	<b>439.00</b>	<b>HTBX Hydrothermal breccia/alterite grey FG</b>	414.00	417.00	N254591	0.236	0.267	5063.7	60.9	5.64
412.15 - 439: Texturally destroyed to pseudo porphyritic SCP HTBX; overall 10-15% Py as disseminations; cm-scale patches and mm-scale wide stringers (2 stages); Py locally to 20-30% over dm-scale wide intervals; increase in concentration of Mo as fine veinlets and disseminations; trace Cc and Cv as coatings and replacement of Py with locally scattered areas with >1% Cc, Cv; continued locally broken along low angle brittle fracturing with Py-dickite slicks; dickite veinlets and pyrophyllite as fine clots and blebs.										
<<Min: 412.5 - 439: 60% silicification / 20% clay / 5% dickite / 15% pyrite / 0.1% chalcocite / 0.1% covellite / 0.1% molybdenite>>			417.00	420.00	N254593	0.139	0.108	597.1	64.5	5
<<Alt: 412.5 - 439: / intense Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>			420.00	423.00	N254594	0.171	0.148	636.1	83.8	3.81
<<Vein: 412.5 - 439: / 2% Dickite / 4% Pyrite>>			423.00	426.00	N254595	0.469	0.273	1351.9	105.6	4.2
<<Struc: 412.5 - 439: weak to moderate Brittle Fracture 05-30 deg. / weak to moderate Slicks 05-30 deg. >>			426.00	429.00	N254596	0.429	0.203	812.3	98.9	3.72
			429.00	432.00	N254597	0.106	0.135	357	26.6	4.39
			432.00	435.00	N254598	0.219	0.192	896.6	36.4	5.06
			435.00	439.00	N254600	0.34	0.232	1376.5	65.5	4.69
<b>End of Hole @ 439</b>										



# GeoSpark Logger ~ Drill Log

**Project:** Hushamu **Hole Number:** H17-04

Prospect:		Survey Type:	DGPS	Logged By:	JM
Grid:	NAD83_Z9	Survey By:	Unknown	Date Started:	6/30/2017
Easting:	580982	Azimuth:	180	Date Completed:	7/3/2017
Northing:	5613605	Dip:	-60	Drill Company:	Peak
Elevation (m):	593	Length (m):	324.6	Drill Rig:	
Hole Type:	DD			Drill Started:	6/28/2017
Hole Diameter:				Drill Completed:	7/3/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-59.6	160.2	17.25	177.45	ReflexEZS	JM	6/29/2017	54743	<input checked="" type="checkbox"/>	
102	-59.3	161.6	17.25	178.85	ReflexEZS	JM	6/29/2017	548558	<input checked="" type="checkbox"/>	
153	-59.1	163.1	17.25	180.35	ReflexEZS	JM	6/29/2017	54837	<input checked="" type="checkbox"/>	
204	-57.8	162.1	17.25	179.35	ReflexEZS	JM	6/29/2017	54778	<input checked="" type="checkbox"/>	
255	-57.1	161.7	17.25	178.95	ReflexEZS	JM	6/29/2017	54904	<input checked="" type="checkbox"/>	
306	-56.7	163.4	17.25	180.65	ReflexEZS	JM	6/29/2017	54659	<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>0.00</b>	<b>6.00</b>	<b>OVER Overburden</b>								
0 - 6: Regolith, no material recovered.										
<<Min: 0 - 6: >>										
<<Alt: 0 - 6: >>										
<<Vein: 0 - 6: 1% Quartz>> Zunyite veins common and average 5% through out section in 1 to 10 cm veins.										
<b>6.00</b>	<b>11.00</b>	<b>ANTF Tuffaceous Andesite grey FMG</b>	6.00	9.00	N254601	0.063	0.141	155.6	137.4	3.61
6 - 11: Cristal ash tuff. Plagioclase now altered to dikite. Ground mass siliceous										
<<Min: 6 - 10: 1% pyrite / 0% chalcopryrite / 0% chalcocite / 0% covellite / 0% molybdenite / 5% zunyite / 2% dickite>>										
<<Min: 10 - 38: 5% pyrite / 0% chalcopryrite / 0.005% chalcocite / 0% covellite / 0% molybdenite / 5% zunyite / 2% dickite>										
<<Alt: 6 - 11: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> SCZ weakly overprinting original SCP alteration in the form of zunyite veining.										

# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-04

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Vein: 6 - 11: >>										
<b>11.00</b>	<b>12.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>								
11 - 12: Late angular breccia, matrix supported. Zunyite in veins and matrix filling. Fragments include quartz, tuff and sulphides (pyrite).										
<<Alt: 11 - 12: moderate to strong Leached (Prev. SCZ)>>										
<<Vein: 11 - 12: 0% Quartz>>										
<b>12.00</b>	<b>18.00</b>	<b>ANTF Tuffaceous Andesite</b>								
		<b>grey FMG</b>	12.00	15.00	N254603	0.334	0.199	226.2	93.5	4.49
12 - 18: Contact with late breccia sharp at -60 degree to core axis.										
<<Alt: 12 - 56.3: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 12 - 18: 1% Quartz>>										
<<Struc: 12 - 12.1: strong Fault Zone 60 deg. >> Narrow fault gouge										
<<Struc: 17.2 - 18: moderate to strong Breccia 50 deg. >> Zunyite filled fracture zone										
<b>18.00</b>	<b>56.30</b>	<b>ANTF Tuffaceous Andesite</b>								
		<b>grey FMG</b>	18.00	21.00	N254606	0.671	0.129	308	58.4	3.77
18 - 56.3: As above, locally finer grained. Zunyite stringers at 17 to 17.5 metres cut andesite at 50 degrees to core axis.										
<<Min: 38 - 60: 7% pyrite / 0% chalcopryite / 0.005% chalcocite / 0% covellite / 0% molybdenite / 5% zunyite / 2% dickite>>										
<<Vein: 18 - 56.3: 1% Quartz>>										
<<Struc: 52.8 - 53: moderate to strong Brittle Fracture 65 deg. >> Zunyite filled fracture zone										
			21.00	24.00	N254607	0.5	0.099	312	60.5	6.58
			24.00	27.00	N254608	0.655	0.197	335.1	81.2	6.17
			27.00	30.00	N254609	0.531	0.179	594.4	51.1	6.77
			30.00	33.00	N254610	0.331	0.199	461.5	54.6	6.27
			33.00	36.00	N254611	0.398	0.191	506.1	64.6	5.82
			36.00	39.00	N254613	0.629	0.129	513.2	97.6	4.54
			39.00	42.00	N254614	1.043	0.197	353.9	157.7	6.24
			42.00	45.00	N254615	0.554	0.233	732.3	88.6	6.98
			45.00	48.00	N254616	0.773	0.292	781.3	129.1	6.08
			48.00	51.00	N254617	1.023	0.326	1571	178.3	6.51
			51.00	54.00	N254618	0.929	0.233	458.5	150	4.86
			54.00	57.00	N254620	0.827	0.198	334.5	144	2.58
<b>56.30</b>	<b>57.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>								
56.3 - 57: Late breccia as above. Cuts core at -65 degrees to CA. Zunyite in veins and matrix filling. Dickite replacing feldspars and in pockets and impregnations.										
<<Alt: 56.3 - 57: moderate to strong Leached (Prev. SCZ)>>										

# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-04

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Vein: 56.3 - 57: 1% Quartz>> <b>57.00 60.20 ANTF Tuffaceous Andesite grey FMG</b>										
57.00	60.20	As above.	57.00	60.00	N254621	1.612	0.181	327.2	159.1	4.64
<<Min: 60 - 78: 7% pyrite / 0% chalcopyrite / 0.005% chalcocite / 0% covellite / 0% molybdenite / 10% zunyite / 5% dickite>> <<Alt: 57 - 60.2: strong Leached (Prev. SCZ)>> <<Vein: 57 - 60.2: 1% Quartz>> <b>60.20 65.30 BRXX Late, angular Breccia (+/- zunyite) buff</b>										
60.20	65.30	60.2 - 65.3: Clasts mainly of andesite with lesser quartz vein fragments. Zunyite in veins and as matrix filling. Dikite as impregnations and replacement of feldspars.	60.00	63.00	N254622	0.836	0.301	471.5	125.2	2.98
<<Alt: 60.2 - 65: moderate Leached (Prev. SCZ) / moderate Silica-Clay-Py>> SCP altered clasts of andesite are overprinted by later SCZ alteration. SCZ becomes dominant in core of breccia. <<Alt: 65 - 70.5: / moderate to strong Silica-Clay-Py>> <<Vein: 60.2 - 65.3: 1% Quartz>> <b>65.30 69.50 ANTF Tuffaceous Andesite grey FMG</b>										
65.30	69.50	65.3 - 69.5: As above.	66.00	69.00	N254624	0.813	0.192	808.5	116.3	6.87
<<Vein: 65.3 - 69.5: 1% Quartz>> <b>69.50 69.75 BRXX Late, angular Breccia (+/- zunyite) buff</b>										
69.50	69.75	69.5 - 69.75: Narrow breccia dyke. As before	69.00	72.00	N254625	0.628	0.202	373.2	98.6	4.34
<<Vein: 69.5 - 69.75: 1% Quartz>> <b>69.75 72.40 ANTF Tuffaceous Andesite grey FMG</b>										
69.75	72.40	69.75 - 72.4: As above	72.00	75.00	N254627	0.691	0.221	373.6	133	6.48
<<Alt: 70.5 - 72.3: strong Leached (Prev. SCZ)>> At contacts of the breccia where dominated by andesite fragments, there is some relict SCP alteration remaining including pyrite fragments and andesite with pyrite and pyrophyllite. <<Alt: 72.3 - 79.8: / moderate to strong Silica-Clay-Py>> <<Vein: 69.75 - 72.4: 2% Quartz>> <b>72.40 79.60 ANTF Tuffaceous Andesite grey FMG</b>										
72.40	79.60	72.4 - 79.6: As above	75.00	78.00	N254628	0.799	0.289	598.7	182.4	6.31

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Min: 78 - 106: 10% pyrite / 0% chalcocopyrite / 0.005% chalcocite / 0% covellite / 0% molybdenite / 2% zunyite / 2% dickite>> <<Vein: 72.4 - 79.6: 5% Quartz>> <<Struc: 78.8 - 79: strong Fault Zone 65 deg. >>			78.00	81.00	N254629	0.781	0.232	456.5	178.3	5.19
<b>79.60</b>	<b>81.70</b>	<b>BRXX Late, angular Breccia (+/- zunyite) grey</b>	81.00	84.00	N254630	0.413	0.178	272.4	174.4	1.79
79.6 - 81.7: As above. Moderally oxidized.  <<Alt: 79.8 - 81.7: moderate to strong Leached (Prev. SCZ)>> SCZ is over printing andesite fragments which were originally SCP altered. Pyrite is as a result, higher than typical SCZ alteration. <<Vein: 79.6 - 81.7: 5% Quartz>>			84.00	87.00	N254631	0.88	0.32	355	128.9	6.29
<b>81.70</b>	<b>90.50</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	87.00	90.00	N254632	1.199	0.307	672.5	178.5	6.5
81.7 - 90.5: Auto breccia. Host rock is andesite tuff. Cut by pyrite filled fractures and quartz vein stockwork, widely spaced veins.  <<Alt: 81.7 - 90.7: / strong Silica-Clay-Py>> <<Vein: 81.7 - 90.5: 5% Quartz>>			90.00	93.00	N254633	1.231	0.226	429.3	144.4	6.46
<b>90.50</b>	<b>91.70</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	90.5 - 91.7: Cuts core at -60 degrees. As above.  <<Alt: 90.7 - 91.5: moderate to strong Leached (Prev. SCZ)>> <<Alt: 91.5 - 96.4: / strong Silica-Clay-Py>> <<Vein: 90.5 - 91.7: 5% Quartz>>							
<b>91.70</b>	<b>96.40</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	93.00	96.00	N254635	0.642	0.36	1433	108.9	7.61
91.7 - 96.4: As above. Has a stock work of pyrite and quartz veins.  <<Vein: 91.7 - 96.4: 5% Quartz>>			96.00	99.00	N254636	0.226	0.274	541.5	47	7.64
<b>96.40</b>	<b>96.70</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	96.4 - 96.7: Small dyke of breccia. Fractured and limonite coating fractures.  <<Alt: 96.4 - 96.7: moderate to strong Leached (Prev. SCZ)>> <<Vein: 96.4 - 96.7: 5% Quartz>>							
<b>96.70</b>	<b>97.40</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	96.7 - 97.4: AS above.							

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 96.7 - 97.4: moderate to strong Leached (Prev. SCZ)>> <<Vein: 96.7 - 97.4: 5% Quartz>>										
<b>97.40</b>	<b>98.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>								
97.4 - 98: As above. Weak stock work of quartz veins. Pyrite veins common.										
<<Alt: 97.4 - 98: moderate to strong Leached (Prev. SCZ)>> <<Vein: 97.4 - 98: 5% Quartz>>										
<b>98.00</b>	<b>106.00</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>grey</b>							
98 - 106: As above. Weak over printing of SCZ alteration at contact.										
<<Alt: 98 - 106: / moderate to strong Silica-Clay-Py>>										
<<Vein: 98 - 106: 5% Quartz>>										
<<Struc: 101.8 - 102: moderate to strong Fault Zone 70 deg. >>										
<b>106.00</b>	<b>108.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>							
106 - 108: Oxidized with limonite coating fractures.										
<<Min: 106 - 156: 2% pyrite / 0% chalcopryrite / 0.1% chalcocite / 0% covellite / 0% molybdenite / 10% zunyite / 3% dickite>>										
<<Alt: 106 - 115: moderate to strong Leached (Prev. SCZ)>>										
<<Vein: 106 - 108: 10% Quartz>>										
<b>108.00</b>	<b>115.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>							
108 - 115: Typical late angular breccia. SCZ alteration including pervasive silicification, zunyite and dickite.										
<<Vein: 108 - 115: 10% Quartz>>										
<b>115.00</b>	<b>115.20</b>	<b>BSLT Basalt (dyke)</b>	<b>black</b>	<b>VFG</b>						
115 - 115.2: Dyke cuts core at 70 degrees to core axis. Chilled margin in dyke indicates it is later than the breccia.										
<<Alt: 115 - 115.2: >> Unaltered dyke.										
<<Vein: 115 - 115.2: >>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>115.20</b>	<b>129.10</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	117.00	120.00	N254644	0.233	0.132	85.9	104.8	6.16
115.2 - 129.1: Lower contact at -70 degrees to CA. Intense Zunyite alteration from 112 to 124 metres.										
<<Alt: 115.2 - 129.1: moderate to strong Leached (Prev. SCZ)>>			120.00	123.00	N254645	0.24	0.234	155.8	73.7	5.86
<<Vein: 115.2 - 129.1: 10% Quartz>>			123.00	126.00	N254646	0.305	0.13	121.8	75.4	6.03
			126.00	129.00	N254647	0.428	0.133	96.6	96.9	5.19
			129.00	132.00	N254648	0.362	0.217	130.7	68.8	6.8
<b>129.10</b>	<b>137.30</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	132.00	135.00	N254649	0.27	0.198	134.3	58.3	7.23
129.1 - 137.3: As above. Late zunyite veining from 128 to 130 metres.										
<<Alt: 129.1 - 137.3: weak to moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> Weak SCZ overprinting of original SCP. Results in an SCP that is strongly silicified and lower in pyrite than is typical.			135.00	138.00	N254650	0.356	0.133	90.5	67.8	6.49
<<Vein: 129.1 - 137.3: 10% Quartz>>										
<b>137.30</b>	<b>155.80</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	138.00	141.00	N254652	0.155	0.148	246.7	124.2	5.89
137.3 - 155.8: As above. Generally fractured with fault zones and zones of brittle fracturing. Intense SCZ alteration.										
<<Alt: 137.3 - 157.8: moderate to strong Leached (Prev. SCZ)>>			141.00	144.00	N254653	0.022	0.051	43.3	32.8	5.03
<<Vein: 137.3 - 155.8: 10% Quartz>>			144.00	147.00	N254654	0.037	0.06	61.6	36.7	3.86
<<Struc: 137.3 - 137.8: moderate Fault Zone 50 deg. >>			147.00	150.00	N254655	0.152	0.074	83.8	69.8	4.67
<<Struc: 142.4 - 145: moderate Fault Zone 35 deg. >>			150.00	153.00	N254656	0.04	0.117	208	70.2	4.38
<<Struc: 149.5 - 156: moderate Fault Zone 30 deg. >>			153.00	156.00	N254657	0.085	0.101	76.9	85.9	5
<b>155.80</b>	<b>161.70</b>	<b>ANTF Tuffaceous Andesite grey MG</b>	156.00	159.00	N254658	0.28	0.132	342.8	57.2	7.26
155.8 - 161.7: As above. Coarser grained with larger plagioclase ash now altered to dickite. Lower contact at 45 to CA. Contact is a fault.										
<<Min: 156 - 202: 2% pyrite / 0% chalcopyrite / 0.005% chalcocite / 0% covellite / 0% molybdenite / 5% zunyite / 3% dickite>>			159.00	162.00	N254660	0.254	0.116	95.3	42.6	6.34
<<Alt: 157.8 - 161.7: moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> Weak over print of SCZ alteration on the primary SCP. Lower than normal pyrite due to intense silicification.										
<<Vein: 155.8 - 161.7: 5% Quartz>>										
<b>161.70</b>	<b>180.20</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	162.00	165.00	N254661	0.264	0.079	60.3	93.3	4.87
161.7 - 180.2: At contacts, the clasts are mainly andesite. In central part largely quartz veins or intensely silicified rock of unknown provenience.										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 161.7 - 180.4: moderate to strong Leached (Prev. SCZ)>> At contacts where abundant andesite clsts, there is remanent SCP alteration.			165.00	168.00	N254662	0.183	0.121	69	50.5	4.13
<<Vein: 161.7 - 180.2: 1% Quartz>>			168.00	171.00	N254663	0.085	0.173	142.3	30.5	5.39
<<Struc: 168.5 - 170.7: strong Shear zone 40 deg. >>			171.00	174.00	N254664	0.167	0.226	773.5	35.2	4.54
			174.00	177.00	N254665	0.195	0.094	137.7	33.6	4.42
			177.00	180.00	N254667	0.212	0.1	131.2	37.2	3.98
			180.00	183.00	N254668	0.065	0.096	146.3	71.1	2.78
<b>180.20 184.00 ANTF Tuffaceous Andesite grey MG</b>			183.00	186.00	N254669	0.251	0.097	192.5	63.5	3.71
180.2 - 184: As above. Plagioclases are strongly altered to clay (dickite). Upper contact at -60 degrees to CA.										
<<Alt: 180.4 - 202.9: weak to moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> Intense silicification of the andesite and resultant low pyrite relative to typical SCP alteration.										
<<Vein: 180.2 - 184: 1% Quartz>>										
<b>184.00 186.00 BRXX Late, angular Breccia (+/- zunyite) buff</b>										
184 - 186: 20 cm breccia cuts core at -20 to CA in this section.										
<<Vein: 184 - 186: 1% Quartz>>										
<b>186.00 202.90 ANTF Tuffaceous Andesite grey MG</b>			186.00	189.00	N254670	0.034	0.038	54.3	29.1	5.66
186 - 202.9: As above. Supergene alteration over printing earlier SCP. Trace chalcocite.										
<<Min: 202 - 242.7: 1% pyrite / 0% chalcopyrite / 0.2% chalcocite / 0.1% covellite / 0% molybdenite / 5% zunyite / 3% dickite>> Chalcocite and covellite are irregularly distributed. Mainly replacing pyrite in veins and in bleb like impregnation:			189.00	192.00	N254671	0.216	0.064	111.2	32.8	2.94
<<Vein: 186 - 202.9: 5% Quartz>>			192.00	195.00	N254673	0.115	0.062	67.4	36.5	1.27
			195.00	198.00	N254674	0.197	0.058	71	49.7	1.51
			198.00	201.00	N254675	0.268	0.091	167.2	59.8	1.83
			201.00	204.00	N254676	0.448	0.07	67.6	62.6	5.32
<b>202.90 209.50 BRXX Late, angular Breccia (+/- zunyite) buff</b>			204.00	207.00	N254677	0.374	0.087	68.8	50.8	5.97
202.9 - 209.5: In this section mainly andesite fragments.										
<<Alt: 202.9 - 209.5: moderate to strong Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> SCP alteration restricted to fragments of wall rock andesite caught up in the late breccia.			207.00	210.00	N254678	0.195	0.054	69.4	40.8	6.45
<<Vein: 202.9 - 209.5: 5% Quartz>>										



# GeoSpark Logger ~ Drill Log

**Project:**

**Hushamu**

**Hole Number:**

**H17-04**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>209.50</b>	<b>219.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>							
209.5 - 219: Strong SCZ alteration of pervasive silicification, zunyite veins and matrix filling and dickite replacing original rock fragments and minerals.										
<<Alt: 209.5 - 219: moderate to strong Leached (Prev. SCZ)>> As above.										
<<Vein: 209.5 - 219: 2% Quartz>>										
<<Struc: 212 - 214: moderate to strong Shear zone 50 deg. >>										
<b>219.00</b>	<b>234.00</b>	<b>ANTF Tuffaceous Andesite</b>	<b>grey</b>	<b>MG</b>						
219 - 234: Crystal ash tuff as above. Both covellite and chalcocite present in variable amounts. Strong overprinting of SCZ over original SCP. Pyrite content low generally in the 1% range. Matrix around original feldspar ash fragments is intensely silicified.										
<<Alt: 219 - 239.7: weak to moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> Late SCZ alteration overprinting earlier strong SCP alteration. Result is a general silicification of the rock and lower than typical pyrite content of the SCP										
<<Vein: 219 - 234: 1% Quartz>>										
<<Struc: 223.4 - 223.7: strong Gouge>>										
<b>234.00</b>	<b>239.70</b>	<b>ANTF Tuffaceous Andesite</b>	<b>grey</b>	<b>FMG</b>						
234 - 239.7: As above. Lower contact at 45 degrees to core axis.										
<<Vein: 234 - 242.7: 10% Quartz>> Principal stockwork are late grey quartz with no sulphides. These cut earlier pyrite dry fractures and older thinner darker grey quartz veins.										
<b>239.70</b>	<b>242.70</b>	<b>HTBX Hydrothermal breccia/alterite</b>	<b>grey</b>							
239.7 - 242.7: As before. Contact is rubble with short section of gouge.										
<<Alt: 239.7 - 242.7: weak to moderate Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>> As above.										
<<Struc: 241 - 241.1: strong Gouge 60 deg. >>										
<b>242.70</b>	<b>247.40</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	<b>buff</b>							
242.7 - 247.4: As above. Contacts cut core axis at 50 degrees.										
<<Min: 242.7 - 247.4: 1% pyrite / 10% zunyite / 5% dickite>>										
<<Alt: 242.7 - 247.4: moderate to strong Leached (Prev. SCZ)>> As above										
<<Vein: 242.7 - 247.4: 1% Quartz>> Veins are mainly fragments caught up in the late breccia.										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>247.40</b>	<b>250.70</b>	<b>HTBX Hydrothermal breccia/alterite grey</b>	249.00	252.00	N254694	0.174	0.071	115	36.6	5.72
247.4 - 250.7: As above. Low pyrite and general late silicification due to SCZ overprint.										
<<Min: 247.4 - 250.7: 1% pyrite / 0.05% chalcocite / 7% zunyite / 5% dickite>>										
<<Alt: 247.4 - 250.7: / strong Silica-Clay-Py>> First appearance of pyrophyllite. Pyrite increasing and no SCZ overprint										
<<Vein: 247.4 - 250.7: 2% Quartz>> As before, but less intensely developed.										
<b>250.70</b>	<b>253.00</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	252.00	255.00	N254695	0.133	0.11	210.6	31.3	5.48
250.7 - 253: Contacts at 50 degrees to CA.										
<<Min: 250.7 - 253: 1% pyrite / 0.05% chalcocite / 10% zunyite / 5% dickite>>										
<<Alt: 250.7 - 253: moderate to strong Leached (Prev. SCZ)>> As above										
<<Vein: 250.7 - 253: 1% Quartz>> Present as fragments in the late breccia.										
<<Struc: 250.9 - 250.95: moderate to strong Fault Zone 70 deg. >>										
<b>253.00</b>	<b>271.60</b>	<b>HTBX Hydrothermal breccia/alterite beige</b>	255.00	258.00	N254696	0.091	0.317	282.7	21.7	8.28
253 - 271.6: Colour change to light beige brown and increase in pyrophyllite and pyrite. Pyrite increasing as disseminations and dry fractures. Two ages of quartz veining. An earlier sulphide bearing one and a later light grey set with out sulphides. Traces of covellite and chalcocite noted.										
<<Min: 253 - 310: 10% pyrite / 0.3% chalcopyrite / 0.05% chalcocite / 0.1% covellite / 0.05% molybdenite / 2% zunyite / 4% dickite>> Zunyite becomes rarer, pyrophyllite is prevalent and gives the core a yellowish to greenish tinge.										
<<Alt: 253 - 271.6: / strong Silica-Clay-Py>> Includes a 10 cm section of SCZ alteration associated with a dyke of late breccia. Otherwise as above.										
<<Vein: 253 - 271.6: 5% Quartz / 2% Pyrite>> Network of pyrite stringers cut the rock but are cut by the later massive grey quartz veins.										
<b>271.60</b>	<b>273.70</b>	<b>BRXX Late, angular Breccia (+/- zunyite) buff</b>	273.00	276.00	N254704	0.158	0.206	317.2	31.1	5.31
271.6 - 273.7: As above. Rock generally fractured with small fault / shear zones.										
<<Alt: 271.6 - 273.7: moderate to strong Leached (Prev. SCZ)>> As above										
<<Vein: 271.6 - 273.7: 1% Quartz>> As above.										
<<Struc: 271.6 - 273.7: moderate Brittle Fracture 65 deg. >> zone of brittle fractures in late breccia.										
<b>273.70</b>	<b>278.40</b>	<b>HTBX Hydrothermal breccia/alterite beige</b>	276.00	279.00	N254705	0.446	0.158	267.7	58	6.62
273.7 - 278.4: As above. Generally massive and unfractured. Traces of chalcocite and covellite.										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 273.7 - 310: / strong Silica-Clay-Py>> As above <<Vein: 273.7 - 310: 5% Quartz / 5% Pyrite>> As above.										
<b>278.40</b>	<b>278.90</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>								
278.4 - 278.9: Small dyke of late breccia cutting the hydrothermal breccia.										
<b>278.90</b>	<b>310.00</b>	<b>HTBX Hydrothermal breccia/alterite beige</b>	279.00	282.00	N254706	0.216	0.282	497.3	52.5	6.74
278.9 - 310: As above. Traces of chalcopyrite from 254m. Covellite also present in trace amounts. Chalcocite becoming rare with depth.										
			282.00	285.00	N254707	0.096	0.258	917.1	34.8	7.84
			285.00	288.00	N254708	0.146	0.303	649.8	49.8	8.32
			288.00	291.00	N254709	0.318	0.29	211.4	83.2	6.68
			291.00	294.00	N254711	0.098	0.311	215.9	57.3	7.33
			294.00	297.00	N254712	0.307	0.263	219.3	96.1	6.36
			297.00	300.00	N254713	0.135	0.255	181.3	59.6	8.08
			300.00	303.00	N254714	0.123	0.324	289.9	47.3	6.64
			303.00	306.00	N254716	0.192	0.315	624.1	59.9	7.69
			306.00	309.00	N254717	0.265	0.225	1719.8	55.6	7.67
			309.00	312.00	N254718	0.436	0.117	450.8	76.4	5.83
<b>310.00</b>	<b>314.50</b>	<b>BRXX Late, angular Breccia (+/- zunyite)</b>	312.00	315.00	N254719	0.445	0.06	205.4	69	5.93
310 - 314.5: As above. Contacts at 50 and 70 to core axis for lower and upper contacts respectively.										
<<Min: 310 - 314.15: 1% pyrite / 5% zunyite / 5% dickite>>										
<<Min: 314.15 - 324.6: 10% pyrite / 0.3% chalcopyrite / 0.05% covellite / 0.05% molybdenite / 3% dickite>>										
<<Alt: 310 - 314.15: moderate to strong Leached (Prev. SCZ)>> Associated with late breccia.										
<<Alt: 314.15 - 324.6: / strong Silica-Clay-Py>> As above.										
<<Vein: 310 - 314.15: Quartz>> Fragments of quartz veins in the breccia.										
<<Vein: 314.15 - 324.6: 5% Quartz / 5% Pyrite>>										
<b>314.50</b>	<b>324.60</b>	<b>HTBX Hydrothermal breccia/alterite beige</b>	315.00	318.00	N254721	0.165	0.303	1813.3	36.9	7.39
314.5 - 324.6: As above. End of hole at 324.6 metres.										
<<Struc: 315.1 - 315.2: weak to moderate Fault Zone 75 deg. >>										
			318.00	321.00	N254722	0.272	0.256	1506.2	79.7	7.69
			321.00	324.00	N254723	0.428	0.129	168.9	93.8	5.72



# GeoSpark Logger ~ Drill Log

**Project:**

**Hushamu**

**Hole Number:**

**H17-04**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>End of Hole @ 324.6</b>										

# GeoSpark Logger ~ Drill Log

**Project:** Hushamu **Hole Number:** H17-05

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	7/6/2017
Easting:	581126	Azimuth:	5	Date Completed:	7/12/2017
Northing:	5613072	Dip:	-60	Drill Company:	Peak
Elevation (m):	629	Length (m):	225.3	Drill Rig:	
Hole Type:	DD			Drill Started:	7/3/2017
Hole Diameter:				Drill Completed:	7/11/2017
Core Size:	NQ2	Comments:	Hole terminated at 225.3m, short of target depth due to drilling difficulties.		
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
102	-60.6	344.7	17.25	1.95	ReflexEZS	Unknown		55246	<input type="checkbox"/>	
153	-61.5	346	17.25	3.25	ReflexEZS	Unknown		55394	<input type="checkbox"/>	
204	-61.8	347.2	17.25	4.45	ReflexEZS	Unknown		55297	<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>0.00</b>	<b>27.00</b>	<b>CASE Drill casing/overburden</b>								
0 - 27: Casing no material recovered										
<b>27.00</b>	<b>33.70</b>	<b>ANTF Tuffaceous Andesite grey FG</b>	27.00	30.00	N254725	0.092	0.044	188.8	37.3	8.37
27 - 33.7: Fault Zone; crystal tuff broken into <10cm pieces with abundant clay-seicite-py gouge zones; intact pieces are grey SCP crystal tuff with abundant dickite + Py										
<<Min: 27 - 33.7: 7% pyrite / chalcopyrite / chalcocite / covellite / molybdenite / zunyite / 3% dickite>>										
<<Alt: 27 - 33.7: weak Leached (Prev. SCZ) / moderate Silica-Clay-Py / moderate Argillic (fault related)>>										
<<Vein: 27 - 33.7: 1% Quartz>>										
<<Struc: 27 - 33.7: strong Fault Zone 60-70 deg. / moderate to strong Gouge 60-70 deg. >>										
<b>33.70</b>	<b>37.40</b>	<b>ANTF Tuffaceous Andesite green FG</b>	36.00	39.00	N254728	0.034	0.037	110.5	8	8.04
33.7 - 37.4: As above; light green colour due to pervasive sericite										
<<Min: 33.7 - 37.4: 7% pyrite / chalcopyrite / chalcocite / covellite / molybdenite / zunyite / 3% dickite>>										
<<Alt: 33.7 - 37.4: weak Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py / moderate Argillic (fault related)>>										

# GeoSpark Logger ~ Drill Log

Project:

Hushamu

Hole Number:

H17-05

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Vein: 33.7 - 37.4: 1% Quartz>> <<Struc: 33.7 - 37.4: moderate to strong Fault Zone 60-70 deg. / moderate to strong Gouge 60-70 deg. >>										
<b>37.40</b>	<b>54.80</b>	<b>ANTF Tuffaceous Andesite green FG</b>	39.00	42.00	N254729	0.072	0.07	119.4	19.4	8.06
37.4 - 54.8: Andesite crystal tuff; porphyritic texture due to blebby seicite alteration which imparts strong green colour; continued broken with local crushed gouge zones to 45m; trace CC replacing or coating PY; increasing orange-brown pyrophyllite down interval										
<<Min: 37.4 - 54.8: pyrite / chalcopyrite / 0.05% chalcocite / covellite / molybdenite / zunyite / 3% dickite>>										
<<Alt: 37.4 - 54.8: trace Leached (Prev. SCZ) / weak to moderate Silica-Clay-Py / weak to moderate Argillic (fault related)>>										
<<Vein: 37.4 - 54.8: 1% Quartz>>										
<<Struc: 37.4 - 45: moderate Local Gouge 60-70 deg. >>										
<b>54.80</b>	<b>64.10</b>	<b>ANTF Tuffaceous Andesite grey FG</b>	42.00	45.00	N254731	0.034	0.048	201.6	14.8	8.89
54.8 - 64.1: Andesite crystal tuff; local relict stockworking of mm-scale wide grey quartz veinlets; matrix supported BRXX dyke at 56.4-57.35m, contacts steep at 70-80 degrees to CA; from 60.75-64.1m, increasing pale green colour due to sericitic alteration; locally weak oxidation along brittle fractures at 10-30 degrees to CA										
<<Min: 54.8 - 64.1: 10% pyrite / chalcopyrite / 0.05% chalcocite / covellite / molybdenite / 5% zunyite / dickite>>										
<<Alt: 54.8 - 64.1: weak Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<<Vein: 54.8 - 64.1: 2% Quartz / 2% Pyrite>>										
<<Struc: 54.8 - 64.1: weak to moderate Brittle Fracture 10-35 deg. >>										
<b>64.10</b>	<b>70.30</b>	<b>BRXX Late, angular Breccia (+/- zunyite) brown</b>	45.00	48.00	N254732	0.011	0.028	129.5	11.3	8.94
64.1 - 70.3: Late angular breccia; matrix supported; clasts mainly of andesite with Py; locally orange-brown colour due to partial to complete oxidation; core is broken with ~10% recovery from 66-69m; contacts at 70-80 to CA										
<<Min: 64.1 - 70.3: 3% pyrite / chalcopyrite / chalcocite / covellite / molybdenite / 10% zunyite / 2% dickite>>										
<<Alt: 64.1 - 70.3: moderate to strong Leached (Prev. SCZ)>>										
<<Vein: 64.1 - 70.3: >>										
<b>70.30</b>	<b>85.65</b>	<b>ANTF Tuffaceous Andesite grey FG</b>	48.00	51.00	N254733	0.011	0.053	121	9	7.85
70.3 - 85.65: Andesite crystal ash tuff; feldspar altered to dickite; locally well developed stockwork of mm-scale wide grey quartz veinlets; abundant Py as cm-scale aggregates and stringers/veinlets; SCP altered; trace CC as coatings and partial replacement of Py; local orange-brown oxidation along fractures +/- locally pitted; minor late breccia from 72.2-72.52m with contacts at 60 degrees to CA										
<<Min: 70.3 - 85.65: 12% pyrite / chalcopyrite / 0.05% chalcocite / covellite / molybdenite / 2% zunyite / 5% dickite>>										
<<Alt: 70.3 - 85.65: trace Leached (Prev. SCZ) / moderate to strong Silica-Clay-Py>>										
<b>72.00</b>	<b>75.00</b>	<b>N254734</b>	51.00	54.00	N254734	0.024	0.111	426	11.8	8.13
<<Min: 72.00 - 75.00: >>										
<b>75.00</b>	<b>78.00</b>	<b>N254735</b>	54.00	57.00	N254735	0.103	0.126	318.4	29.9	8.8
<<Min: 75.00 - 78.00: >>										
<b>78.00</b>	<b>81.00</b>	<b>N254736</b>	57.00	60.00	N254736	0.082	0.271	485.6	28.3	9.32
<<Min: 78.00 - 81.00: >>										
<b>81.00</b>	<b>84.00</b>	<b>N254738</b>	60.00	63.00	N254738	0.196	0.244	686.2	26.9	8.57
<<Min: 81.00 - 84.00: >>										
<b>84.00</b>	<b>87.00</b>	<b>N254739</b>	63.00	66.00	N254739	0.221	0.211	329.7	50	9.08
<<Min: 84.00 - 87.00: >>										
<b>87.00</b>	<b>90.00</b>	<b>N254740</b>	66.00	72.00	N254740	0.067	0.198	353.7	40	9.59
<<Min: 87.00 - 90.00: >>										
<b>90.00</b>	<b>93.00</b>	<b>N254741</b>	72.00	75.00	N254741	0.109	0.145	607.1	23.1	9.17
<<Min: 90.00 - 93.00: >>										
<b>93.00</b>	<b>96.00</b>	<b>N254742</b>	75.00	78.00	N254742	0.071	0.136	703	21.1	9.1
<<Min: 93.00 - 96.00: >>										
<b>96.00</b>	<b>99.00</b>	<b>N254744</b>	78.00	81.00	N254744	0.162	0.171	1221.5	39.2	8.66
<<Min: 96.00 - 99.00: >>										

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Vein: 70.3 - 85.65: 4% Quartz / 3% Pyrite>>			81.00	84.00	N254745	0.166	0.175	576.1	38.3	8.82
<<Struc: 70.6 - 70.62: moderate to strong Gouge 85 deg. >>			84.00	87.00	N254746	0.12	0.218	801.1	25.2	9.16
<<Struc: 76.2 - 76.24: moderate to strong Gouge 85 deg. >>										
<b>85.65 94.40 HTBX Hydrothermal breccia/alterite beige FG</b>			87.00	90.00	N254747	0.215	0.229	852.8	45.7	8.56
85.65 - 94.4: generally light beige-brown with local increase in pyrophyllite; local pseudo porphyritic texture (tuff?); locally with stockwork of quartz and pyrite veins; two stages of quartz veining; early sulphide bearing and later light grey without sulphides; trace CC and CV; abundant pyrite; local Fe Ox along open fractures +/- pitting										
<<Min: 85.65 - 95.35: 12% pyrite / chalcopyrite / 0.05% chalcocite / 0.05% covellite / molybdenite / 5% zunyite / 5% dickite>>			90.00	93.00	N254748	0.297	0.36	544.5	60.6	8.55
<<Alt: 85.65 - 95.35: / strong Silica-Clay-Py>>			93.00	96.00	N254749	0.213	0.139	191.3	48.1	7.05
<<Vein: 85.65 - 95.35: 5% Quartz / 3% Pyrite>>										
<<Struc: 94.39 - 94.4: moderate Contact 50 deg. >>										
<b>94.40 95.35 BRXX Late, angular Breccia (+/- zunyite) grey</b>										
94.4 - 95.35: Narrow late breccia; matrix supported with mainly andesite fragments mineralized with Py and ultr trace CC; upper contact at 50 to CA; lower contact wavy and irregular at low angle to CA										
<b>95.35 108.60 HTBX Hydrothermal breccia/alterite beige FG</b>			96.00	99.00	N254751	0.192	0.216	144.8	42.1	8.22
95.35 - 108.6: As per interval from 85.65 to 94.4; lower contact with andesite at 35 degrees to CA is weakly oxidized along partially open fractures at 30-40 to CA										
<<Min: 95.35 - 108.6: 10% pyrite / chalcopyrite / 0.05% chalcocite / 0.05% covellite / 0.025% molybdenite / zunyite / 5% diopside>>			99.00	102.00	N254752	0.444	0.25	352.9	76	8.2
<<Alt: 95.35 - 108.6: / strong Silica-Clay-Py>>			102.00	105.00	N254753	0.638	0.304	1509.5	99.1	6.91
<<Vein: 95.35 - 108.6: 3% Quartz / 3% Pyrite>>			105.00	108.00	N254754	0.764	0.3	1348.9	96.5	8.69
<<Struc: 108.59 - 108.6: moderate Contact 35 deg. >>			108.00	111.00	N254755	0.273	0.285	534.3	79.8	9.07
<b>108.60 144.95 ANTF Tuffaceous Andesite grey FG</b>			111.00	114.00	N254756	0.592	0.165	796.2	99.8	8.12
108.6 - 144.95: ANTF as per interval from 70.3 - 85.65m; moderate increase in Py and fine gd disseminated CC and CV; ultra trace Cpy with Py in some stringers; traces of vfg Mo in grey quartz veins; clast supported late breccia with >10% Py from 137.72-138.56m, contacts 70-80 degrees to CA; transitional to lower HTBX										
<<Min: 108.6 - 144.95: 12% pyrite / 0.1% chalcopyrite / 0.075% chalcocite / 0.05% covellite / 0.05% molybdenite / zunyite / 7% dickite>>			114.00	117.00	N254757	0.17	0.152	832.2	33.6	7.74
<<Alt: 108.6 - 144.95: / strong Silica-Clay-Py>>			117.00	120.00	N254759	0.265	0.192	459.7	59.1	7.92
<<Vein: 108.6 - 144.95: 4% Quartz / 3% Pyrite>>			120.00	123.00	N254760	0.485	0.281	625.2	86.1	7.08
			123.00	126.00	N254761	0.376	0.252	977.6	61.6	6.91
			126.00	129.00	N254762	0.377	0.324	1241.2	49.5	7.57

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
			129.00	132.00	N254763	0.46	0.256	1112.5	76.6	7.03
			132.00	135.00	N254764	0.264	0.282	1131.4	53.3	7.31
			135.00	138.00	N254765	0.326	0.157	447.6	64.2	7.1
			138.00	141.00	N254766	0.985	0.148	186.2	115.2	6.4
			141.00	144.00	N254768	1.109	0.166	406.9	129.1	7.68
			144.00	147.00	N254769	0.533	0.251	951.7	70.2	8.41
			147.00	150.00	N254770	0.443	0.308	1119.3	69.6	9.5
<b>144.95</b>	<b>157.30</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>								
<p>144.95 - 157.3: As above; textures largely destroyed with some dm-scale wide pseudo porphyritic intervals; continued stron Py with Cc and Cv scattered throughout; decrease in quartz veining from above interval locally broken along brittle fractures at 30-40 degrees to CA with a few cm-scale wide local gouge zones; locally abundant pyrophyllite imparts buff to orange-brown colour.</p>										
<<Min: 144.95 - 157.3: 10% pyrite / 0.1% chalcopyrite / 0.05% chalcocite / 0.1% covellite / 0.05% molybdenite / zunyite / 3% dickite>>			150.00	153.00	N254771	0.613	0.295	1259.7	97	9.39
<<Alt: 144.95 - 157.3: / strong Silica-Clay-Py>>			153.00	156.00	N254772	0.87	0.265	1381.5	132.3	9.12
<<Vein: 144.95 - 157.3: 2% Quartz / 3% Pyrite>>			156.00	159.00	N254773	0.415	0.227	963.1	61.4	8.34
<<Struc: 149.35 - 149.37: strong Local Gouge 35 deg. >>										
<<Struc: 152.35 - 152.37: moderate to strong Local Gouge 50 deg. >>										
<b>157.30</b>	<b>164.05</b>	<b>ANTF Tuffaceous Andesite buff FG</b>	159.00	162.00	N254774	0.241	0.127	567.2	59.6	7.29
<p>157.3 - 164.05: As above; core is locally fractured and broken at low angles (10-30 degrees) to CA with local cm-scale wide clay-sericite-pyrite gouge zones; &lt; quartz veins and &gt; dickite as replacement of feldspar and mm-scale wide veinlets; continued traces of Cc and Cv; &lt; Py than previous interval (no Py veining); transitional to underlying HTBX .</p>										
<<Min: 157.3 - 164.05: 7% pyrite / chalcopyrite / 0.05% chalcocite / 0.05% covellite / molybdenite / zunyite / 7.5% dickite>>			162.00	165.00	N254776	0.486	0.088	417.1	89.4	7.67
<<Alt: 157.3 - 164.05: weak Argillic (fault related) / moderate to strong Silica-Clay-Py>>										
<<Vein: 157.3 - 164.05: 1% Quartz / 1% Dickite>>										
<<Struc: 157.3 - 164.05: weak to moderate Brittle Fracture 05-30 deg. / moderate Local Gouge 05-30 deg. >>										
<b>164.05</b>	<b>168.00</b>	<b>HTBX Hydrothermal breccia/alterite beige FG</b>	165.00	168.00	N254777	0.7	0.1	778.9	107.1	7.9
<p>164.05 - 168: As above; local pseudo porphyritic texture; continued strong Py and traces of Cc and Cv; no quartz veining.</p>										
<<Min: 164.05 - 168: 7% pyrite / chalcopyrite / 0.05% chalcocite / 0.05% covellite / molybdenite / zunyite / 3% dickite>>										
<<Alt: 164.05 - 168: / strong Silica-Clay-Py>>										
<<Vein: 164.05 - 168: / 1% Pyrite>>										
<b>168.00</b>	<b>171.25</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	168.00	171.00	N254778	0.488	0.126	1285.2	78.9	7.21
<p>168 - 171.25: As above; fault zone; core crushed and broken generally in &lt;10cm pieces; brittle fracturing and gouge zones at 10-40 degrees to CA</p>										
<<Min: 168 - 171.25: 7% pyrite / chalcopyrite / 0.05% chalcocite / 0.05% covellite / molybdenite / zunyite / 5% dickite>>			171.00	174.00	N254779	0.375	0.263	537.1	75.1	6.72



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 168 - 171.25: weak to moderate Argillic (fault related) / moderate to strong Silica-Clay-Py>> <<Vein: 168 - 171.25: / 1% Dickite>> <<Struc: 168 - 171.25: moderate to strong Fault Zone 10-40 deg. >>										
<b>171.25</b>	<b>178.55</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	174.00	177.00	N254780	0.512	0.202	833.8	86.3	6.93
171.25 - 178.55: HTBX; as above; massive, competent; sparse quartz veining; >Py as disseminations and veins; > Cc and Cv scattered throughout; ultra trace Mo in quartz veins										
<<Min: 171.25 - 178.55: 10% pyrite / 0.05% chalcopyrite / 0.1% chalcocite / 0.05% covellite / 0.025% molybdenite / zunyite / 1% dickite>> <<Alt: 171.25 - 178.55: / intense Silica-Clay-Py>> <<Vein: 171.25 - 178.55: 1% Quartz / 2% Pyrite>>										
<b>178.55</b>	<b>184.40</b>	<b>ANFX Feldspar-phyrlic Andesite buff FG</b>	180.00	183.00	N254782	1.394	0.19	2747.5	150.8	8.11
178.55 - 184.4: ANFX or possibly feldspar porphyry intrusive?; vague upper and lower contacts at 60-70 degrees to CA; sparse quartz veining including 2 stages with a later pale grey cross cutting stage; increase in Cc and Cv as disseminations and fine stringers; transitional to lower HTBX										
<<Min: 178.55 - 184.4: 10% pyrite / 0.2% chalcopyrite / 0.05% chalcocite / 0.2% covellite / molybdenite / zunyite / 10% dickite>> <<Alt: 178.55 - 184.4: / moderate to strong Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>> <<Vein: 178.55 - 184.4: 2% Quartz / 3% Pyrite>>										
<b>184.40</b>	<b>187.00</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b>	186.00	189.00	N254784	0.465	0.18	605.1	79.3	4.3
184.4 - 187: As above; transitional contacts <<Min: 184.4 - 187: 10% pyrite / 0.2% chalcopyrite / 0.1% chalcocite / 0.1% covellite / molybdenite / zunyite / 2% dickite>> <<Alt: 184.4 - 187: / strong Silica-Clay-Py>> <<Vein: 184.4 - 187: 1% Quartz / 2% Pyrite>>										
<b>187.00</b>	<b>188.95</b>	<b>ANTF Tuffaceous Andesite buff FG</b>								
187 - 188.95: As above; strong clay/dickite overprint; locally vuggy and pitted where clay has washed away. <<Min: 187 - 188.95: 12% pyrite / 0.1% chalcopyrite / 0.05% chalcocite / 0.05% covellite / molybdenite / zunyite / 15% dickite>> <<Alt: 187 - 188.95: / moderate Silica-Clay-Py / moderate Dickite (overprint/infill)>> <<Vein: 187 - 188.95: 3% Quartz / 2% Pyrite>> <<Struc: 187.7 - 187.75: weak to moderate Brittle Fracture 30 deg. >> <<Struc: 188.55 - 188.6: weak to moderate Brittle Fracture 15 deg. >>										

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Project:

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Hole Number:

H17-05

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>188.95</b>	<b>195.50</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b> 188.95 - 195.5: As above; increase in pyrophyllite imparts orange-brown colour; sparse quartz veining; continued strong PY with scattered Cc AND Cv; increase in Mo	189.00	192.00	N254786	0.85	0.239	1347.7	152.5	7.06
<<Min: 188.95 - 195.5: 12% pyrite / 0.1% chalcopyrite / 0.1% chalcocite / 0.05% covellite / 0.025% molybdenite / zunyite / 2% dickite>>			192.00	195.00	N254787	0.813	0.252	1416.9	134.7	7.27
<<Alt: 188.95 - 195.5: / strong Silica-Clay-Py>>			195.00	198.00	N254788	0.547	0.288	839.1	86.6	8.12
<<Vein: 188.95 - 195.5: 2% Quartz / 2% Pyrite>>										
<<Struc: 191.3 - 191.32: weak to moderate Local Gouge 20 deg. >>										
<b>195.50</b>	<b>198.85</b>	<b>ANFX Feldspar-phyric Andesite buff FG</b> 195.5 - 198.85: As above; locally textures destroyed	198.00	201.00	N254789	0.588	0.211	596.5	93.7	7.84
<<Min: 195.5 - 198.85: 10% pyrite / 0.15% chalcopyrite / 0.05% chalcocite / 0.05% covellite / 0.015% molybdenite / zunyite / 10% dickite>>										
<<Alt: 195.5 - 198.85: / moderate to strong Silica-Clay-Py / weak to moderate Dickite (overprint/infill)>>										
<<Vein: 195.5 - 198.85: 2% Quartz / 2% Pyrite>>										
<b>198.85</b>	<b>211.80</b>	<b>HTBX Hydrothermal breccia/alterite buff FG</b> 198.85 - 211.8: As above; locally lapilli sized clasts; sparse quartz veining; > 1-5mm wide Py veins; increased pyrophyllite locally imparts vague leopard print texture	201.00	204.00	N254790	0.359	0.211	1412.5	76.5	7.48
<<Min: 198.85 - 211.8: 10% pyrite / 0.2% chalcopyrite / 0.1% chalcocite / 0.1% covellite / 0.025% molybdenite / zunyite / 3% dickite>>			204.00	207.00	N254791	0.614	0.246	3180.9	132.1	7.13
<<Alt: 198.85 - 211.8: / intense Silica-Clay-Py>>			207.00	210.00	N254792	1.275	0.176	1760.5	148.9	7.29
<<Vein: 198.85 - 211.8: 2% Quartz / 3% Pyrite>>			210.00	213.00	N254793	0.849	0.224	1811.8	110.1	7.85
<<Struc: 199.6 - 201: weak Brittle Fracture 10-30 deg. / weak Local Gouge>>										
<<Struc: 204.4 - 205.9: weak to moderate Brittle Fracture 10-35 deg. / weak Local Gouge 10-35 deg. >>										
<b>211.80</b>	<b>215.40</b>	<b>ANTF Tuffaceous Andesite buff FG</b> 211.8 - 215.4: As above; transitional contacts about 60-70 to CA; sparse quartz veining; continued strong sulphide mineralization	213.00	216.00	N254795	1.604	0.249	1048.8	269.2	8.24
<<Min: 211.8 - 215.4: 10% pyrite / 0.2% chalcopyrite / 0.05% chalcocite / 0.05% covellite / 0.025% molybdenite / zunyite / 4% dickite>>										
<<Alt: 211.8 - 215.4: / strong Silica-Clay-Py / weak Dickite (overprint/infill)>>										
<<Vein: 211.8 - 215.4: 2% Quartz / 2% Pyrite>>										
<b>215.40</b>	<b>225.30</b>	<b>HTBX Hydrothermal breccia/alterite beige FG</b> 215.4 - 225.3: As above; sparse quartz veining; continued strong sulphide mineralization; abundant pyrophyllite imparts orange-brown colour	216.00	219.00	N254796	0.607	0.196	1711.7	93.9	9.21



# GeoSpark Logger ~ Drill Log

**Project:**

**Hushamu**

**Hole Number:**

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Min: 215.4 - 225.3: 7.5% pyrite / 0.2% chalcopyrite / 0.05% chalcocite / 0.05% covellite / 0.025% molybdenite / zunyite / 1% dickite>>			219.00	222.00	N254797	0.922	0.23	1435.5	123.8	9.38
<<Alt: 215.4 - 225.3: / intense Silica-Clay-Py>>			222.00	225.00	N254798	0.59	0.176	960	102.9	7.9
<<Vein: 215.4 - 225.3: 2% Quartz / 3% Pyrite>>										
<b>End of Hole @ 225.3</b>										



# GeoSpark Logger ~ Drill Log

**Project:** Red Dog **Hole Number:** RD17-01

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/4/2017
Easting:	573114	Azimuth:	290	Date Completed:	6/6/2017
Northing:	5617519	Dip:	-80	Drill Company:	Peak
Elevation (m):	298	Length (m):	290	Drill Rig:	
Hole Type:	DD			Drill Started:	5/30/2017
Hole Diameter:				Drill Completed:	6/5/2017
Core Size:	HTW	Comments:			
Casing Pulled?:	<input type="checkbox"/>	Hole terminated at 290m. Casing dropped in the hole; could not re-enter the hole. Hole was not surveyed.			
Casing Depth (m):	48				

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>0.00</b>	<b>62.00</b>	<b>CASE Drill casing/overburden</b>								
0 - 62: Casing to 48m. Mixed rock types, probably boulders from 48 to 62m										
<b>62.00</b>	<b>113.00</b>	<b>BVv Bonanza Volcanic Undivided: grey FMG</b>	66.00	68.00	N254097	0.074	0.012	12.2	6	8.16
<b>Includes andesitic flows, breccia and tuffs</b>										
62 - 113: Strong fault zone. Host is tuff breccia. Core is crushed into generally less than 5cm pieces. Core recovery and rock quality generally very poor. Approximately 5cm of recovered core from 92-95m. From 104-113m, recovery very poor, approximately 10 percent.										
<<Min: 62 - 113: 4% pyrite / 2% pyrophyllite>>										
<<Alt: 62 - 113: moderate Argillic (fault related) / strong Silica-Clay-Py>>										
<<Vein: 62 - 113: / 1% Pyrite>>										
<<Struc: 62 - 113: intense Fault Zone>> Core is crushed and gouged into small pieces. No clear dip direction.										
	68.00	70.00	N254098	0.041	0.014	16.4	2.8	7.22		
	70.00	72.00	N254100	0.023	0.015	11.8	0.6	6.83		
	72.00	74.00	N254101	0.019	0.005	19.1	2.5	6.77		
	74.00	76.00	N254102	0.023	0.007	23.2	5.1	7.07		
	76.00	78.00	N254103	0.022	0.014	51.9	0.9	7.81		
	78.00	80.00	N254104	0.02	0.015	53	2.1	7.4		
	80.00	82.00	N254105	0.035	0.015	73.7	0.6	7.77		
	82.00	84.00	N254106	0.069	0.008	10.8	6.5	7.67		
	84.00	86.00	N254107	0.107	0.005	17.7	13.3	7.5		
	86.00	90.00	N254108	0.056	0.012	17	2.3	8.04		

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
			90.00	92.00	N254110	0.106	0.017	19.8	13.7	7.52
			92.00	98.00	N254111	0.2	0.036	33.2	5.5	7.67
			98.00	104.00	N254112	0.14	0.009	93	2.6	7.28
			104.00	116.00	N254114	0.132	0.012	68.2	2.3	7.47
<b>113.00</b>	<b>116.00</b>	<b>CAVE Cave in – no core</b>								
113 - 116: No core.										
<<Alt: 113 - 116: moderate Argillic (fault related) / strong Silica-Clay-Py>>										
<b>116.00</b>	<b>117.50</b>	<b>BVv Bonanza Volcanic Undivided: grey FG</b>	116.00	118.00	N254115	0.052	0.018	259	7.4	6.69
<b>Includes andesitic flows, breccia and tuffs</b>										
116 - 117.5: As per interval from 62-113m.										
<<Min: 116 - 117.5: 4% pyrite / 2% pyrophyllite>>										
<<Alt: 116 - 117.5: moderate to strong Argillic (fault related) / strong Silica-Clay-Py>>										
<<Vein: 116 - 117.5: / 1% Pyrite>>										
<<Struc: 116 - 119.55: intense Fault Zone>> Crushed and broken. No clear dip direction.										
<b>117.50</b>	<b>119.55</b>	<b>FP Feldspar Porphyry grey FMG</b>	118.00	120.00	N254116	0.015	0.02	231.6	4.1	6.55
117.5 - 119.55: Core crushed and broken; contacts difficult to distinguish. Tabular feldspar makes up 25-30 percent of the rock.										
<<Min: 117.5 - 119.55: 4% pyrite / 2% pyrophyllite>>										
<<Alt: 117.5 - 119.55: moderate Argillic (fault related) / strong Silica-Clay-Py>>										
<b>119.55</b>	<b>122.80</b>	<b>BVv Bonanza Volcanic Undivided: grey FG</b>	120.00	122.00	N254117	0.074	0.064	485.7	18.1	6.21
<b>Includes andesitic flows, breccia and tuffs</b>										
119.55 - 122.8: As per interval from 62-113m. Host is tuff breccia. Core is muddy/gouged, but locally more intact than previous intervals.										
<<Min: 119.55 - 143.5: 5% pyrite / 1% pyrophyllite>>										
<<Alt: 119.55 - 143.5: moderate to strong Argillic (fault related) / strong Silica-Clay-Py>>										
<<Struc: 119.55 - 143.5: strong Fault Zone>> Crushed and broken intervals with muddy gouge intervals. No clear dip direction.										
			120.00	122.00	N254118	0.062	0.053	568.6	12	6.92
			122.00	124.00	N254119	0.82	0.163	1340.5	128.1	5.49

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>122.80</b>	<b>143.50</b>	<b>FP Feldspar Porphyry grey FMG</b>	124.00	126.00	N254120	0.454	0.153	1214.7	77.8	6.1
122.8 - 143.5: Fine to medium grained porphyritic rock (FP?). Could possibly be Bonanza volcanic flow or fine grained tuff. Contains mm-scale to 2cm clasts or xenoliths of Bonanza volcanic. Strong fault zone with abundant cm to dm-scale wide muddy pyrite-sericite gouge intervals with no discernable dip direction. Upper contact is crushed and broken, broken lower contact approximately 70 to CA.										
			126.00	128.00	N254121	0.102	0.044	112.3	30	5.89
			128.00	130.00	N254122	0.089	0.065	277.7	13.8	6.23
			130.00	132.00	N254123	0.119	0.037	292.4	11	6.11
			132.00	134.00	N254124	0.126	0.033	294.8	11.6	5.97
			134.00	136.00	N254126	0.117	0.032	261	15.6	5.97
			136.00	138.00	N254127	0.084	0.057	103	25.8	6.33
			138.00	140.00	N254128	0.383	0.049	334.8	44.5	5.36
			140.00	142.00	N254129	0.35	0.036	176.3	28.2	6.01
			142.00	144.00	N254130	0.041	0.053	315.5	10.9	5.72
<b>143.50</b>	<b>155.75</b>	<b>BVv Bonanza Volcanic Undivided: grey FMG</b> <b>Includes andesitic flows, breccia and tuffs</b>	144.00	146.00	N254131	0.043	0.025	238.7	4.7	6.57
143.5 - 155.75: Bonanza volcanics, tuff breccia with breccia clasts weakly chlorite altered. Strong argillic alteration largely obliterates original features. Pale grey-green hue from pyrophyllite-sericite alteration.										
<<Min: 143.5 - 155.35: 5% pyrite / 1% pyrophyllite / 50% silicification>>			146.00	148.00	N254133	0.083	0.028	340.1	9.2	5.92
<<Min: 155.35 - 162.9: 8% pyrite / 2% pyrophyllite / 5% chlorite / 35% silicification>> trace fine specks cpy at 156.4m within very weakly chloritic interval from 155.65-157.4m. Ultra trace CC at 155.35m on shear contact.			148.00	150.00	N254134	0.066	0.03	350.1	12.5	5.57
<<Alt: 143.5 - 155.75: / strong Silica-Clay-Py>>			150.00	152.00	N254135	0.009	0.032	278.7	5.3	5.38
<<Vein: 143.5 - 152: / 1% Pyrite / 1% Gypsum>>			152.00	154.00	N254136	0.066	0.036	73.6	11.6	5.4
<<Vein: 152 - 155.35: / 1.5% Pyrite / 3% Gypsum>>			154.00	156.00	N254137	0.1	0.171	1662.8	24	5.45
<<Vein: 155.35 - 162.9: / 4% Pyrite / 3% Gypsum>>										
<<Struc: 152 - 152.05: moderate Slicks 45 deg. >>										
<<Struc: 155.35 - 155.55: moderate to strong Shear zone 45 deg. >> Pyritic shear, sharp contacts at 45 to CA										
<b>155.75</b>	<b>158.20</b>	<b>BVt Bonanza Volcanic Tuffs: tuff, green FG</b> <b>tuff-breccia of andesitic composition</b>	156.00	158.00	N254138	0.089	0.156	940	23.6	4.43
155.75 - 158.2: Tuff breccia. Breccia clasts are weakly chloritic. Very weak CMG with trace cpy at 156.0m.										
<<Alt: 155.75 - 158.2: trace Chlorite-Magnetite (+/- Si) / moderate Silica-Clay-Py>>			158.00	160.00	N254139	0.166	0.114	702.8	40.6	5

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<b>158.20</b>	<b>176.55</b>	<b>BVv Bonanza Volcanic Undivided: grey</b> <b>Includes andesitic flows, breccia and tuffs</b> <b>FMG</b>	160.00	162.00	N254140	0.067	0.113	490.6	25.4	4.65
<p>158.2 - 176.55: Fine to medium grained porphyritic rock with scattered dm-scale to metre-scale wide intervals of tuff breccia. Possible FP dyke. Contact with CMG at 80 to CA.</p> <p>&lt;&lt;Min: 162.9 - 176.55: 4% pyrite / 2% pyrophyllite / 40% silicification&gt;&gt;</p> <p>&lt;&lt;Alt: 158.2 - 176.55: / moderate to strong Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Vein: 162.9 - 176.55: / 1% Pyrite / 3% Gypsum&gt;&gt;</p> <p>&lt;&lt;Struc: 165.6 - 165.65: weak Local Gouge 45 deg. &gt;&gt;</p>			162.00	164.00	N254141	0.03	0.053	397.2	17.2	4.58
			164.00	166.00	N254142	0.069	0.056	360.6	19.6	5.08
			164.00	166.00	N254143	0.057	0.052	306	20.5	5.97
			166.00	168.00	N254144	0.046	0.067	731.2	14.8	5.02
			168.00	170.00	N254145	0.056	0.066	749.8	19.4	5.51
			170.00	172.00	N254146	0.134	0.088	753.2	25.5	5.48
			172.00	174.00	N254147	0.124	0.085	693.9	20	5.28
			174.00	176.00	N254148	0.153	0.103	1142.9	22.2	6.6
			176.00	178.00	N254150	0.202	0.146	1243.1	34.6	6.37
<b>176.55</b>	<b>178.85</b>	<b>BVv Bonanza Volcanic Undivided: green</b> <b>Includes andesitic flows, breccia and tuffs</b> <b>FG</b>	178.00	180.00	N254151	0.206	0.208	968.8	33.2	5.59
<p>176.55 - 178.85: CMG altered tuff breccia. Strongly magnetic from 177.25-177.65m with 10-15% fg blebs of MGT. Diffuse lower contact at about 70 to CA.</p> <p>&lt;&lt;Min: 176.55 - 178.85: 3% pyrite / 2% pyrophyllite / 5% magnetite / 30% chlorite / 25% silicification&gt;&gt;</p> <p>&lt;&lt;Alt: 176.55 - 178.85: weak to moderate Chlorite-Magnetite (+/- Si) / weak to moderate Silica-Clay-Py&gt;&gt;</p> <p>&lt;&lt;Struc: 176.55 - 176.56: moderate to strong Contact 80 deg. &gt;&gt;</p>										
<b>178.85</b>	<b>204.35</b>	<b>BVv Bonanza Volcanic Undivided: grey</b> <b>Includes andesitic flows, breccia and tuffs</b> <b>FG</b>	180.00	182.00	N254152	0.221	0.207	1712.5	31	5.75
<p>178.85 - 204.35: Tuff breccia and flows. Abundant anastomosing mm-scale wide gypsum veinlets to 191.75m. Core is locally strongly pitted due to the washing out of clay minerals. Locally cm-scale patches of buff-yellow pervasive fg pyrophyllite. Very weak, patchy CMG at 196.3-197.5 and 202.5-203.0m. Lower fault contact with FP at 50 to CA.</p> <p>&lt;&lt;Min: 178.85 - 196.3: 4% pyrite / 4% pyrophyllite / 60% silicification&gt;&gt;</p> <p>&lt;&lt;Min: 196.3 - 197.5: 4% pyrite / 3% pyrophyllite / 1% magnetite / 5% chlorite / 35% silicification&gt;&gt;</p> <p>&lt;&lt;Min: 197.5 - 202.5: 7% pyrite / 3% pyrophyllite / 50% silicification&gt;&gt;</p> <p>&lt;&lt;Min: 202.5 - 203: 5% pyrite / 2% pyrophyllite / 3% magnetite / 25% chlorite / 35% silicification&gt;&gt;</p> <p>&lt;&lt;Min: 203 - 211.05: 4% pyrite / 2% pyrophyllite / 40% silicification&gt;&gt;</p>			182.00	184.00	N254153	0.152	0.22	1260.5	29.9	5.54
			184.00	186.00	N254154	0.148	0.098	1175.3	38.2	5.93
			186.00	188.00	N254155	0.667	0.039	61.9	87.5	4.63
			188.00	190.00	N254156	0.7	0.11	722.2	97.4	5.5
			190.00	192.00	N254157	0.472	0.066	874.3	60.3	7.73

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 178.85 - 196.3: / intense Silica-Clay-Py>> Locally strongly pitted from washing out of clay minerals			192.00	194.00	N254158	0.134	0.034	406.5	22.1	6.91
<<Alt: 196.3 - 197.5: trace Chlorite-Magnetite (+/- Si) / moderate Silica-Clay-Py>>			194.00	196.00	N254159	0.264	0.041	339.6	42.3	7.42
<<Alt: 197.5 - 202.5: / strong Silica-Clay-Py>>			196.00	198.00	N254160	0.121	0.04	275.8	33.8	6.67
<<Alt: 202.5 - 203: weak Chlorite-Magnetite (+/- Si) / moderate to strong Silica-Clay-Py>>			198.00	200.00	N254162	0.067	0.024	184.3	14.6	6.41
<<Alt: 203 - 215.2: / moderate Silica-Clay-Py>>			200.00	202.00	N254163	0.007	0.012	82.6	0.9	6.87
			202.00	204.00	N254164	-0.0025	0.013	144.2	1	7.27
<<Vein: 178.85 - 191.75: / 6% Gypsum>>										
			204.00	206.00	N254165	-0.0025	0.006	78.6	1.3	6.72
<<Vein: 191.75 - 232.7: 1% Pyrite / 3% Gypsum / 7.5% Quartz>> 15cm quartz vein from 226.75-226.9m										
<<Struc: 183.3 - 183.5: weak to moderate Shear zone 40 deg. >>										
<<Struc: 194.9 - 195: weak to moderate Shear zone 45 deg. / weak Slicks>>										
<<Struc: 204 - 204.35: moderate Fault Zone 25 deg. / moderate Contact 50 deg. >>										
<b>204.35</b>	<b>215.20</b>	<b>FP Feldspar Porphyry buff FMG</b>	206.00	208.00	N254166	-0.0025	0.015	231.1	0.6	7.45
204.35 - 215.2: Feldspar porphyry dyke or possibly amygdaloidal flow? Diffuse lower contact at 70-80 to CA. Fine to medium grained porphyritic rock. Grey-green hue due to pervasive pyrophyllite+/-sericite.										
			208.00	210.00	N254167	-0.0025	0.009	93.8	0.7	6.93
<<Min: 211.05 - 212.65: 6% pyrite / 2% pyrophyllite / 1% hematite / 40% silicification>>										
			210.00	212.00	N254168	-0.0025	0.012	61.8	1.2	5.96
<<Min: 212.65 - 215.2: 4% pyrite / 2% pyrophyllite / 50% silicification>>										
			212.00	214.00	N254169	-0.0025	0.005	19.6	0.9	7.19
<<Struc: 205.5 - 205.6: weak to moderate Fault Zone 40 deg. >>										
			212.00	214.00	N254170	-0.0025	0.005	15.8	0.9	8.48
			214.00	216.00	N254171	-0.0025	0.011	64.6	1.5	7.39
<b>215.20</b>	<b>227.00</b>	<b>BVv Bonanza Volcanic Undivided: grey FG Includes andesitic flows, breccia and tuffs</b>	216.00	218.00	N254172	-0.0025	0.01	26.1	1.3	7.48
215.2 - 227: Tuff breccia and flows; strong argillic alteration obliterates primary features. Abundant anastomosing mm-scale wide gypsum veinlets. First appearance of quartz veining at 226.75m (226.75-226.9m).										



From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		<<Min: 215.2 - 227: 6% pyrite / 2% pyrophyllite / 60% silicification>> <<Alt: 215.2 - 227: / strong Silica-Clay-Py>>	218.00	220.00	N254173	-0.0025	0.008	13.1	1.4	6.51
			220.00	222.00	N254174	0.025	0.01	66.9	4.3	6.95
			222.00	224.00	N254175	-0.0025	0.015	107.8	0.8	8.05
		<<Struc: 215.3 - 215.35: weak to moderate Brittle Fracture 45 deg. >> <<Struc: 218.9 - 218.95: weak to moderate Fault Zone 40 deg. >>	224.00	226.00	N254176	0.012	0.015	186	2.8	6.7
			226.00	228.00	N254177	-0.0025	0.007	25.3	1.7	6.05
		<<Struc: 224.6 - 224.65: moderate Fault Zone 70 deg. >>								
<b>227.00</b>	<b>263.00</b>	<b>BVf Bonanza Volcanic Flows: grey FG Flows and flow breccias of andesitic composition</b>	228.00	230.00	N254178	-0.0025	0.006	30.2	0.6	7.36
227 - 263: Bonanza volcanics flows and flow breccia. Intense argillic alteration obliterates most primary features. Marked increase in fine grained pervasive silicification through this interval. Wisps, blebs and discontinuous stringers of hematite frc 232.7-238.6 and 245.4-258.5m.										
			230.00	232.00	N254179	-0.0025	0.007	19	0.6	7.34
		<<Min: 227 - 232.7: 4% pyrite / 2% pyrophyllite / 0.5% dickite / 60% silicification>>								
			232.00	234.00	N254180	-0.0025	0.006	9.3	1.4	6.92
		<<Min: 232.7 - 238.6: 8% pyrite / 2% pyrophyllite / 0.5% dickite / 3% hematite / 60% silicification>> <<Min: 238.6 - 245.4: 7% pyrite / 2% pyrophyllite / 0.5% dickite / 60% silicification>> <<Min: 245.4 - 258.5: 8% pyrite / 2% pyrophyllite / 0.5% dickite / 4% hematite / 60% silicification>>	234.00	236.00	N254182	0.009	0.006	9.2	2.7	6.03
			236.00	238.00	N254183	0.006	0.004	9.3	1.5	6.43
			238.00	240.00	N254184	-0.0025	0.005	24	1.9	6.15
		<<Min: 258.5 - 263: 7% pyrite / 2% pyrophyllite / 0.5% dickite / 60% silicification>>								
			240.00	242.00	N254185	-0.0025	0.006	14.4	2.2	5.86
		<<Alt: 227 - 263: / intense Silica-Clay-Py>>								
			242.00	244.00	N254186	-0.0025	0.006	13.1	1.7	5.86
		<<Vein: 232.7 - 238.6: 1% Pyrite / 2% Gypsum / 1% Haematite/Iron oxide>> <<Vein: 238.6 - 245.4: 2% Pyrite / 2% Gypsum>> <<Vein: 245.4 - 258.5: 2% Pyrite / 2% Gypsum / 1% Haematite/Iron oxide>>	244.00	246.00	N254187	0.01	0.013	123.5	2	6.64
			244.00	246.00	N254215	0.01	0.011	143.5	2	8.2

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		<<Vein: 258.5 - 263: 2% Pyrite / 2% Gypsum>>	246.00	248.00	N254188	-0.0025	0.007	63	1.4	6.28
		<<Struc: 243.7 - 243.75: moderate Fault Zone 45 deg. >> partially healed fault zone	248.00	250.00	N254189	0.006	0.006	13.6	2.6	5.61
			250.00	252.00	N254190	-0.0025	0.005	12.6	1.7	5.06
		<<Struc: 245.7 - 245.82: moderate Fault Zone 75 deg. >> partially healed fault	252.00	254.00	N254192	-0.0025	0.005	13.8	1.7	5.27
		<<Struc: 262.98 - 263.01: moderate Contact 60 deg. >> chilled contact	254.00	256.00	N254193	-0.0025	0.009	166.4	1.2	6
			256.00	258.00	N254194	-0.0025	0.005	61.4	0.5	6.69
			258.00	260.00	N254195	-0.0025	0.013	281.5	0.6	7.21
			260.00	262.00	N254196	-0.0025	0.01	72.1	0.5	7.9
			262.00	264.00	N254197	-0.0025	0.022	129.3	0.7	8.87
<b>263.00</b>	<b>264.60</b>	<b>Ba Basalt: Forms narrow dykes of very fine grained to fine porphyritic texture. Very late intrusive unit. Generally less than 3 metre thick.</b>								
		263 - 264.6: Dark green-grey basalt dyke, fine grained porphyritic with fine laths of feldspar, mm to 1cm blebby chlorite near contacts hosting disseminated pyrite. Chilled upper and lower contacts. Trace to 1% mm-scale carbonate veinlets, locally trace weak epidote rimming chlorite blebs. Strongly magnetic.								
		<<Min: 263 - 264.6: 1% pyrite>>								
		<<Alt: 263 - 264.6: / weak Silica-Clay-Py / weak Propylitic>>								
		<<Vein: 263 - 264.6: 1% Calcium carbonate/Carbonate>>								
		<<Struc: 264.58 - 265.02: strong Contact 55 deg. >> chilled contact								
<b>264.60</b>	<b>268.80</b>	<b>BVf Bonanza Volcanic Flows: Flows and flow breccias of andesitic composition</b>								
		264.6 - 268.8: Bonanza volcanics flows and flow breccia. Intense argillic alteration; contains some discontinuous slivers of highly magnetic basalt dyke.								
			266.00	268.00	N254199	0.01	0.014	121.3	0.9	9.71

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		<<Min: 264.6 - 268.8: 3% pyrite / 2% pyrophyllite / 60% silicification>> <<Alt: 264.6 - 268.8: / intense Silica-Clay-Py>> <<Vein: 264.6 - 268.8: 1% Pyrite / 1% Gypsum>> <<Struc: 268.78 - 268.81: moderate to strong Contact 45 deg. >> chilled contact	268.00	270.00	N254200	-0.0025	0.021	116.6	1.4	9.54
<b>268.80</b>	<b>269.95</b>	<b>Ba Basalt: Forms narrow dykes of very fine grained to fine porphyritic texture. Very late intrusive unit. Generally less than 3 metre thick.</b>								
268.8 - 269.95: As per interval from 263.0-264.6m										
		<<Min: 268.8 - 269.95: 1% pyrite>> <<Alt: 268.8 - 269.95: / weak Silica-Clay-Py / weak Propylitic>> <<Vein: 268.8 - 269.95: 1% Calcium carbonate/Carbonate>> <<Struc: 269.93 - 269.96: moderate Contact 60 deg. >> chilled contact								
<b>269.95</b>	<b>271.75</b>	<b>BVf Bonanza Volcanic Flows: Flows and flow breccias of andesitic composition</b>	<b>buff</b>	<b>FG</b>						
269.95 - 271.75: As per interval from 264.6-268.8m.										
		<<Min: 269.95 - 271.75: 4% pyrite / 1% pyrophyllite / 50% silicification>> <<Alt: 269.95 - 271.75: / intense Silica-Clay-Py>> <<Vein: 269.95 - 271.75: 1% Pyrite / 1% Gypsum>> <<Struc: 271.73 - 271.77: moderate Contact 75 deg. >> chilled contact	270.00	272.00	N254201	-0.0025	0.022	236.5	1	9.28
		<<Min: 269.95 - 271.75: 4% pyrite / 1% pyrophyllite / 50% silicification>> <<Alt: 269.95 - 271.75: / intense Silica-Clay-Py>> <<Vein: 269.95 - 271.75: 1% Pyrite / 1% Gypsum>> <<Struc: 271.73 - 271.77: moderate Contact 75 deg. >> chilled contact	270.00	272.00	N254202	-0.0025	0.023	234.7	0.8	9.16
<b>271.75</b>	<b>272.30</b>	<b>Ba Basalt: Forms narrow dykes of very fine grained to fine porphyritic texture. Very late intrusive unit. Generally less than 3 metre thick.</b>								
271.75 - 272.3: As per 263-264.6m										
		<<Min: 271.75 - 272.3: 1% pyrite>>	272.00	274.00	N254203	-0.0025	0.012	104.1	0.9	9.12

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Alt: 271.75 - 272.3: / weak Silica-Clay-Py / weak Propylitic>> <<Vein: 271.75 - 272.3: 1% Calcium carbonate/Carbonate>> <<Struc: 272.29 - 272.32: strong Contact 35 deg. >> chilled contact										
<b>272.30</b>	<b>277.00</b>	<b>BVf Bonanza Volcanic Flows: Flows and flow breccias of andesitic composition</b>	<b>buff</b>	<b>FG</b>	N254204	-0.0025	0.005	5.9	0.4	8.42
272.3 - 277: As per 264.6-268.8m										
<<Min: 272.3 - 277: 7% pyrite / 2% pyrophyllite / 60% silicification>> <<Alt: 272.3 - 277: / intense Silica-Clay-Py>> <<Vein: 272.3 - 277: 1% Pyrite / 1% Gypsum>> <<Struc: 276.98 - 277.01: strong Contact 45 deg. >> chilled contact										
<b>277.00</b>	<b>277.45</b>	<b>Ba Basalt: Forms narrow dykes of very fine grained to fine porphyritic texture. Very late intrusive unit. Generally less than 3 metre thick.</b>	<b>melanocratic</b>	<b>FG</b>	N254205	0.007	0.013	164.7	1	9.03
277 - 277.45: As per 263-264.6m										
<<Min: 277 - 277.45: 1% pyrite>> <<Alt: 277 - 277.45: / weak Silica-Clay-Py / weak Propylitic>> <<Vein: 277 - 277.45: 1% Calcium carbonate/Carbonate>> <<Struc: 277.43 - 277.46: moderate to strong Contact 60 deg. >> chilled contact										
<b>277.45</b>	<b>284.50</b>	<b>BVf Bonanza Volcanic Flows: Flows and flow breccias of andesitic composition</b>	<b>buff</b>	<b>FG</b>	N254206	-0.0025	0.025	145.6	0.8	9.29
277.45 - 284.5: As per 264.6-268.8m										
<<Min: 277.45 - 284.5: 4% pyrite / 2% pyrophyllite / 60% silicification>> <<Alt: 277.45 - 284.5: / intense Silica-Clay-Py>>										
<<Vein: 277.45 - 284.5: 1% Pyrite / 1% Gypsum / 0.5% Quartz>> Several 1-5cm pale purple fluorite veins. Trace quartz stringers.										
<<Struc: 277.43 - 277.46: moderate to strong Contact 60 deg. >> chilled contact										
<<Min: 277.45 - 284.5: 4% pyrite / 2% pyrophyllite / 60% silicification>>										
<<Alt: 277.45 - 284.5: / intense Silica-Clay-Py>>										
<<Vein: 277.45 - 284.5: 1% Pyrite / 1% Gypsum / 0.5% Quartz>> Several 1-5cm pale purple fluorite veins. Trace quartz stringers.										
<<Struc: 277.43 - 277.46: moderate to strong Contact 60 deg. >> chilled contact										
<<Min: 277.45 - 284.5: 4% pyrite / 2% pyrophyllite / 60% silicification>>										
<<Alt: 277.45 - 284.5: / intense Silica-Clay-Py>>										
<<Vein: 277.45 - 284.5: 1% Pyrite / 1% Gypsum / 0.5% Quartz>> Several 1-5cm pale purple fluorite veins. Trace quartz stringers.										
<<Struc: 277.43 - 277.46: moderate to strong Contact 60 deg. >> chilled contact										



# GeoSpark Logger ~ Drill Log

Project:

Red Dog

Hole Number:

RD17-01

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Sample	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
<<Struc: 284.48 - 284.51: strong Contact 65 deg. >> chilled contact <b>284.50 286.00 Ba Basalt: Forms narrow dykes of very fine grained to fine porphyritic texture. Very late intrusive unit. Generally less than 3 metre thick.</b>										
284.5 - 286: As per 263-264.6m <<Min: 284.5 - 286: 1% pyrite>> <<Alt: 284.5 - 286: / weak Silica-Clay-Py / weak Propylitic>> <<Vein: 284.5 - 286: 1% Calcium carbonate/Carbonate>> <<Struc: 285.98 - 286.01: strong Contact 60 deg. >> chilled contact										
<b>286.00</b>	<b>290.00</b>	<b>BVf Bonanza Volcanic Flows: Flows and flow breccias of andesitic composition</b>	<b>buff</b>	<b>FG</b>	286.00 288.00 N254210	-0.0025	0.014	113.3	1	9.18
286 - 290: As per 264.6-268.8m <<Min: 286 - 290: 10% pyrite / 3% pyrophyllite>> <<Alt: 286 - 290: / intense Silica-Clay-Py>> <<Vein: 286 - 290: 2% Pyrite / 2% Gypsum / 4% Quartz>> quartz veining beginning to replace gypsum/anhydrite veining										
					288.00 290.00 N254211	-0.0025	0.011	39.4	1.5	6.42
<b>End of Hole @ 290</b>										

**Appendix II**  
**Strip Logs**

**Project:** Hushamu

**Hole:** H17-01

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/9/2017
Easting:	581028	Azimuth:	240	Date Completed:	6/11/2017
Northing:	5614213	Dip:	-60	Drill Company:	Peak
Elevation (m):	318	Length (m):	150	Drill Rig:	
Hole Type:	DD			Drill Started:	6/7/2017
Hole Diameter:				Drill Completed:	6/10/2017
Core Size:	HTW	Comments:			
Casing Pulled?:	<input type="checkbox"/>	Metallurgical hole.			
Casing Depth (m):					

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
69	-59.8	236.8	17.25	254.05	ReflexEZS	Unknown		48222	<input type="checkbox"/>	Azimuth affected by magnetics; CMG
120	-60.1	228.9	17.25	246.15	ReflexEZS	Unknown		56462	<input type="checkbox"/>	SCP with some CMG; magnetic
150	-60.2	225.8	17.25	243.05	ReflexEZS	Unknown		55168	<input type="checkbox"/>	Good survey; no CMG

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
0.00	OVER	0	7 0	7 0	7 0	7 0	60 0	60 0	60 0									
2.00																		
4.00																		
6.00																		
8.00																		
10.00																		
12.00																		
14.00																		

# GeoSpark: Strip Log

Hole: H17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
16.00		0	70	70	70	70	60	60	60										
18.00																			
20.00																			
22.00																			
24.00																			
26.00																			
28.00																			
30.00																			
32.00																			
34.00																			
36.00																			
38.00																			
40.00	ANTF																		
42.00																			
44.00																			
46.00										46.00	48.00	2.00	N254217	0.452	0.251	2431.4	93.5	9.44	
48.00										48.00	50.00	2.00	N254218	0.375	0.267	1928.5	105.6	6.85	
50.00										50.00	52.00	2.00	N254219	0.336	0.256	2297.9	81.5	7.38	
52.00										52.00	54.00	2.00	N254221	0.29	0.219	2224.5	67.7	7.49	
54.00										54.00	56.00	2.00	N254222	0.536	0.137	2853.5	222.1	8.23	
56.00										56.00	58.00	2.00	N254223	0.468	0.206	1931.5	113.3	7.48	
58.00										58.00	60.00	2.00	N254224	0.336	0.205	1683.6	79.1	8.65	
60.00										60.00	62.00	2.00	N254225	0.257	0.219	1881.6	65	8.32	
62.00										62.00	64.00	2.00	N254226	0.585	0.147	1063.4	214.7	5.44	
64.00										64.00	66.00	2.00	N254227	0.845	0.198	1986.6	127.9	8	
66.00										66.00	68.00	2.00	N254228	0.395	0.281	2249.4	75.7	7.7	
66.00										66.00	68.00	2.00	N254229	0.484	0.25	2080.6	73.3	7.88	
68.00										68.00	70.00	2.00	N254230	0.74	0.352	3802.8	150.3	7.49	
70.00										70.00	72.00	2.00	N254231	0.846	0.445	4282.9	184.1	7.91	
72.00										72.00	74.00	2.00	N254232	0.805	0.482	4880.1	162.9	8.64	
74.00										74.00	76.00	2.00	N254233	0.392	0.416	4082.2	92.8	8.95	
76.00										76.00	78.00	2.00	N254234	0.533	0.459	4655.2	154.1	8.29	



# GeoSpark: Strip Log

Hole: H17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
78.00		0	70	70	70	70	60	60	60	78.00	80.00	2.00	N254235	0.579	0.415	3937.9	116.9	8.86
80.00										80.00	82.00	2.00	N254237	0.509	0.383	3615.3	116	9.14
82.00										82.00	84.00	2.00	N254238	0.439	0.356	3645.6	115.2	9.09
84.00										84.00	86.00	2.00	N254239	0.658	0.556	6182.4	141.4	9.16
86.00										86.00	88.00	2.00	N254240	0.378	0.527	4581.6	84.2	8.07
88.00										88.00	90.00	2.00	N254242	0.373	0.507	4456.2	76	8.77
90.00										90.00	92.00	2.00	N254243	0.708	0.534	4929.5	115.9	8.13
92.00										92.00	94.00	2.00	N254244	0.35	0.494	4580.5	71.1	8.88
94.00										94.00	96.00	2.00	N254245	0.221	0.353	3132.8	60.9	8.93
96.00										96.00	98.00	2.00	N254246	0.083	0.479	1570.5	17.4	3.86
98.00										98.00	100.00	2.00	N254247	0.214	0.444	3367.9	51.4	8.31
										98.00	100.00	2.00	N254248	0.225	0.457	3640.2	58.5	8.11
100.00										100.00	102.00	2.00	N254249	0.306	0.471	4096.7	68.3	7.95
102.00										102.00	104.00	2.00	N254250	0.352	0.386	3380.9	76.7	8.02
104.00										104.00	106.00	2.00	N254251	0.931	0.506	4439	162	9.12
106.00										106.00	108.00	2.00	N254252	0.652	0.674	5157.6	113.2	7.74
108.00										108.00	110.00	2.00	N254253	0.26	0.668	4668.6	69.3	6.93
110.00										110.00	112.00	2.00	N254254	0.328	0.279	2647.4	75.5	8.18
112.00										112.00	114.00	2.00	N254255	0.162	0.302	3968.6	76.6	6.88
114.00										114.00	116.00	2.00	N254256	0.462	0.205	2212.6	187.8	6.19
116.00	ANFX									116.00	118.00	2.00	N254257	0.143	0.616	3636.5	49.6	6.39
118.00										118.00	120.00	2.00	N254259	0.242	0.569	5086.5	78.9	5.67
120.00	ANTF									120.00	122.00	2.00	N254260	0.263	0.636	5634.9	65	5.99
122.00										122.00	124.00	2.00	N254261	0.323	0.254	3138.3	81.7	5.18
124.00										124.00	126.00	2.00	N254262	0.158	0.262	3461.7	80.7	5.42
126.00										126.00	128.00	2.00	N254263	0.167	0.186	930.7	80.6	4.81
128.00										128.00	130.00	2.00	N254265	0.142	0.103	209.9	51.1	5.24
130.00										130.00	132.00	2.00	N254266	0.165	0.392	2638	49.3	5.89
132.00										132.00	134.00	2.00	N254267	0.113	0.298	2546.1	65	5.44
134.00										134.00	136.00	2.00	N254268	0.095	0.227	1901.9	49.4	5.52
136.00										136.00	138.00	2.00	N254269	0.364	0.29	3356.5	169.1	6.3
										136.00	138.00	2.00	N254270	0.226	0.241	3122.7	95.3	6.24

Hole: H17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt] 0	[Alt] 70	[Alt] 70	[Alt] 70	[Min] 70	[Min] 60	[Min] 60	[Min] 60									
138.00										138.00	140.00	2.00	N254271	0.224	0.279	1022.4	121.1	6.02
140.00										140.00	142.00	2.00	N254272	0.24	0.268	2512.6	105	7.05
142.00										142.00	144.00	2.00	N254273	0.15	0.101	430.4	65.3	6.83
144.00										144.00	146.00	2.00	N254274	0.095	0.186	2499.4	39.6	7.24
146.00										146.00	148.00	2.00	N254276	0.175	0.209	3052.4	62	5.53
148.00										148.00	150.00	2.00	N254277	0.091	0.149	1059.5	51.7	6.01

End of Hole @ 150

**Project:** Hushamu

**Hole:** H17-02

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/12/2017
Easting:	580750	Azimuth:	180	Date Completed:	6/19/2017
Northing:	5613802	Dip:	-60	Drill Company:	Peak
Elevation (m):	613	Length (m):	417.1	Drill Rig:	
Hole Type:	DD			Drill Started:	6/10/2017
Hole Diameter:				Drill Completed:	6/18/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-59.4	166.6	17.25	183.85	ReflexEZS			54850	<input type="checkbox"/>	
102	-59.7	168.5	17.25	185.75	ReflexEZS			54723	<input type="checkbox"/>	
153	-59.4	170	17.25	187.25	ReflexEZS			54646	<input type="checkbox"/>	
204	-59	171.7	17.25	188.95	ReflexEZS			54730	<input type="checkbox"/>	
255	-58.6	172.3	17.25	189.55	ReflexEZS			54663	<input type="checkbox"/>	
306	-58.3	173.3	17.25	190.55	ReflexEZS			54669	<input type="checkbox"/>	
357	-58.3	175	17.25	192.25	ReflexEZS			54502	<input type="checkbox"/>	
409	-58.1	177	17.25	194.25	ReflexEZS			54590	<input type="checkbox"/>	

Depth (m)	Rock Type	LEA [Alt]	SCP [Alt]	CMG [Alt]	PRO [Alt]	SI [Min]	CY [Min]	PY [Min]	CL [Min]	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		0	70	70	70	70	60	60	60									
0.00	OVER																	
2.00										3.00	6.00	3.00	N254278	0.07	0.048	44.4	71.4	7.54

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct		
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]											
4.00	BRXX																			
6.00										6.00	9.00	3.00	N254279	0.095	0.029	38	40.8	5.99		
8.00																				
10.00																				
12.00																				
14.00											12.00	15.00	3.00	N254281	0.168	0.053	45.1	41.6	4.93	
16.00											15.00	18.00	3.00	N254283	0.985	0.055	50.3	156.9	6.99	
18.00											18.00	21.00	3.00	N254284	0.837	0.07	61	95	7.86	
20.00																				
22.00																				
24.00											21.00	24.00	3.00	N254285	0.961	0.106	115	107	6.92	
26.00											24.00	27.00	3.00	N254286	0.703	0.059	60.3	70.1	6.55	
28.00											27.00	30.00	3.00	N254287	0.589	0.138	226.8	75.9	6.12	
30.00		HTBX									27.00	30.00	3.00	N254288	0.48	0.14	238.2	68.3	5.66	
32.00											30.00	33.00	3.00	N254289	1.077	0.136	76.7	271.9	2.41	
34.00																				
36.00																				
38.00												33.00	36.00	3.00	N254290	0.155	0.123	60.4	121.4	3.62
40.00																				
42.00												36.00	39.00	3.00	N254291	0.128	0.115	65.6	164	1.88
44.00												39.00	42.00	3.00	N254292	0.355	0.14	116.5	81.3	3.86
46.00												42.00	45.00	3.00	N254293	0.232	0.226	584.9	89.2	2.3
48.00												45.00	48.00	3.00	N254294	0.189	0.142	160	85.6	2.56
											48.00	51.00	3.00	N254295	0.486	0.411	2030.7	78.2	1.02	

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt] 0	[Alt] 7 0	[Alt] 7 0	[Alt] 7 0	[Min] 7 0	[Min] 60 0	[Min] 60 0	[Min] 60 0										[Min] 60
50.00																			
51.00										51.00	54.00	3.00	N254297	0.56	0.36	1066.3	100.8	1.16	
52.00																			
54.00										54.00	57.00	3.00	N254298	0.228	0.238	254.5	150.2	2.99	
56.00																			
57.00										57.00	60.00	3.00	N254299	0.659	0.168	318.7	96.3	3.54	
58.00																			
60.00										60.00	63.00	3.00	N254300	1.424	0.113	212.7	144.2	4.29	
62.00																			
63.00										63.00	66.00	3.00	N254301	0.662	0.187	460.1	77.6	2.27	
64.00																			
66.00																			
68.00																			
69.00										66.00	69.00	3.00	N254302	0.885	0.119	317.1	113.5	4.76	
70.00										69.00	72.00	3.00	N254303	0.547	0.141	346.4	70.6	5.65	
72.00										72.00	75.00	3.00	N254304	0.488	0.089	475.9	56.2	5.14	
74.00																			
75.00										75.00	78.00	3.00	N254306	0.432	0.096	848.6	56.3	4.75	
76.00																			
78.00										78.00	81.00	3.00	N254307	0.519	0.299	1836.5	69.6	1.68	
80.00																			
81.00										81.00	84.00	3.00	N254308	0.633	0.432	9341.5	71.6	3.37	
82.00										84.00	87.00	3.00	N254309	0.644	0.82	8620	107.5	4.41	
84.00																			
86.00										87.00	90.00	3.00	N254310	0.43	1.305	1479.9	85.8	6.3	
88.00																			
90.00										90.00	93.00	3.00	N254311	0.363	0.4	2444.9	54.8	3.36	
92.00																			
										90.00	93.00	3.00	N254312	0.283	0.429	1935.7	56	3.11	

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
94.00										93.00	96.00	3.00	N254313	0.327	0.57	2952	49.7	4.89
96.00										96.00	99.00	3.00	N254314	0.366	0.174	1129.2	44.8	5.83
98.00																		
100.00										99.00	102.00	3.00	N254315	0.302	0.15	543.3	43.7	6.21
102.00										102.00	105.00	3.00	N254316	0.375	0.196	1100.5	59.2	5.99
104.00																		
106.00										105.00	108.00	3.00	N254317	0.108	0.106	742.2	28.2	7.48
108.00										108.00	111.00	3.00	N254318	0.248	0.116	588	38.3	7.41
110.00										111.00	114.00	3.00	N254320	0.232	0.255	2866.2	33.9	6.75
112.00																		
114.00																		
116.00										114.00	117.00	3.00	N254321	0.209	0.221	2935.8	40.5	6.6
118.00										117.00	120.00	3.00	N254322	0.177	0.065	360.4	18.2	8.03
120.00										120.00	123.00	3.00	N254323	0.216	0.054	257.5	25	7.22
122.00																		
124.00										123.00	126.00	3.00	N254324	0.326	0.092	464.8	39.6	6.8
126.00										126.00	129.00	3.00	N254325	0.141	0.095	296.5	52.5	2.41
128.00																		
130.00										129.00	132.00	3.00	N254327	0.512	0.17	980.9	66.3	3.9
132.00																		
134.00										132.00	135.00	3.00	N254328	1.272	0.194	372.8	188.2	2.46
136.00										135.00	138.00	3.00	N254329	0.415	0.265	6385.6	65.1	0.58
138.00										138.00	141.00	3.00	N254330	0.312	0.219	1074.2	59.3	5.01
140.00	BRXX																	

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
142.00										141.00	144.00	3.00	N254331	0.376	0.166	877	85.2	5.14
144.00	HTBX																	
146.00																		
										144.00	147.00	3.00	N254332	0.506	0.22	500.4	146.6	7.54
										147.00	150.00	3.00	N254333	0.605	0.151	1910	107.9	7.98
148.00																		
										147.00	150.00	3.00	N254334	0.635	0.145	1170.1	120.1	8.65
150.00										150.00	153.00	3.00	N254335	0.248	0.077	129	113	4.56
152.00																		
										153.00	156.00	3.00	N254336	0.352	0.104	214.9	67	4.43
154.00	BRXX																	
156.00																		
158.00																		
										156.00	159.00	3.00	N254337	0.339	0.097	180.7	42.9	5.84
										159.00	162.00	3.00	N254338	0.421	0.139	343.4	54.3	3.53
160.00	HTBX																	
162.00																		
164.00																		
										162.00	165.00	3.00	N254339	0.41	0.164	255.6	55.6	3.57
166.00	BRXX																	
168.00																		
170.00	HTBX																	
										165.00	168.00	3.00	N254340	0.405	0.151	404.3	61.9	4.2
172.00																		
174.00																		
176.00																		
										168.00	171.00	3.00	N254341	0.355	0.138	240.3	66.3	3.18
										171.00	174.00	3.00	N254343	0.468	0.243	1319.3	70.3	3.39
										174.00	177.00	3.00	N254344	0.58	0.197	1561.5	75.4	5.66
										177.00	180.00	3.00	N254345	0.429	0.232	2536.5	76.8	3.75
178.00																		
180.00																		
182.00																		
										180.00	183.00	3.00	N254346	0.523	0.147	3030.8	67.8	3.66
										183.00	186.00	3.00	N254347	0.513	0.278	6807.5	61.4	2.71
184.00																		
186.00										186.00	189.00	3.00	N254348	0.511	0.14	233.3	58.1	2.56

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
188.00										189.00	192.00	3.00	N254349	0.206	0.215	871.7	57.8	2.16
190.00																		
192.00																		
194.00										192.00	195.00	3.00	N254351	0.14	0.124	183.9	59.3	0.65
196.00										195.00	198.00	3.00	N254352	0.041	0.143	128	73.6	1.24
198.00										198.00	201.00	3.00	N254353	0.06	0.17	199.4	72.7	2.96
200.00																		
202.00										201.00	204.00	3.00	N254354	0.314	0.152	661.5	71.2	3.65
204.00										204.00	207.00	3.00	N254355	0.081	0.118	637.2	82.9	1.98
206.00																		
208.00										207.00	210.00	3.00	N254356	0.257	0.072	109	59.7	4.45
210.00										210.00	213.00	3.00	N254357	0.13	0.049	43	44.9	4.48
212.00										210.00	213.00	3.00	N254358	0.172	0.049	39.1	51.2	4.35
214.00																		
216.00										213.00	216.00	3.00	N254359	0.355	0.038	65.7	67.7	6.54
218.00										216.00	219.00	3.00	N254360	0.307	0.046	82.3	46.8	5.06
220.00										219.00	222.00	3.00	N254361	0.147	0.05	133.9	32.5	5.06
222.00										222.00	225.00	3.00	N254362	0.338	0.048	185.4	56.2	4.22
224.00										225.00	228.00	3.00	N254363	0.216	0.05	64	56.9	3.53
226.00																		
228.00										228.00	231.00	3.00	N254364	0.023	0.055	50.9	46.2	2.34
230.00																		



Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
232.00										231.00	234.00	3.00	N254366	0.098	0.069	102.2	69	1.71
234.00	BRXX																	
236.00										234.00	237.00	3.00	N254367	0.077	0.055	65.2	52.3	1.41
238.00										237.00	240.00	3.00	N254368	0.057	0.054	66.8	55.9	2.58
240.00	HTBX									240.00	243.00	3.00	N254369	0.68	0.059	82.9	64.5	4.21
242.00																		
244.00										243.00	246.00	3.00	N254370	0.035	0.049	51.8	59.6	1.99
246.00																		
248.00										246.00	249.00	3.00	N254372	0.543	0.062	72.2	57.1	2.4
250.00										249.00	252.00	3.00	N254373	0.355	0.073	226.1	48.1	5.11
252.00										252.00	255.00	3.00	N254374	0.115	0.198	118.4	71	2.75
254.00																		
256.00										255.00	258.00	3.00	N254375	0.427	0.652	1214.9	74.1	2.69
258.00										258.00	261.00	3.00	N254376	0.151	0.14	475.3	48.5	2.82
260.00																		
262.00										261.00	264.00	3.00	N254377	0.4	0.103	991.6	50.9	3.34
264.00										264.00	267.00	3.00	N254378	0.569	0.059	222.7	51.1	4.44
266.00																		
268.00										267.00	270.00	3.00	N254379	0.457	0.081	215.5	35.9	4.52
270.00																		
272.00	BRXX									270.00	273.00	3.00	N254380	0.206	0.096	495.2	27.6	4.61
274.00										270.00	273.00	3.00	N254381	0.195	0.104	398.1	26.5	4.2
276.00										273.00	276.00	3.00	N254382	0.104	0.087	142.3	15.3	1.63
										276.00	279.00	3.00	N254383	0.127	0.083	293.5	24.8	2.29

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
278.00																			
279.00										279.00	282.00	3.00	N254384	0.019	0.044	35.4	12.4	2.09	
280.00																			
282.00										282.00	285.00	3.00	N254385	0.162	0.091	86.5	51.2	1.57	
284.00																			
285.00										285.00	288.00	3.00	N254386	0.038	0.074	42.1	44	2.37	
286.00																			
288.00										288.00	291.00	3.00	N254387	0.171	0.088	107.9	61	3.33	
290.00																			
291.00										291.00	294.00	3.00	N254388	0.484	0.061	64.5	57.6	3.59	
292.00																			
294.00																			
296.00										294.00	297.00	3.00	N254389	0.336	0.077	81.5	62.8	2.65	
297.00										297.00	300.00	3.00	N254391	0.254	0.082	91.8	57.7	2.24	
298.00																			
300.00	HTBX									300.00	303.00	3.00	N254392	0.467	0.068	183.6	54.2	3.43	
302.00																			
303.00										303.00	306.00	3.00	N254393	0.714	0.086	282	62.6	4.38	
304.00																			
306.00										306.00	309.00	3.00	N254394	0.731	0.196	1072.4	54.1	7.12	
308.00																			
309.00										309.00	312.00	3.00	N254395	0.717	0.184	1562.2	87.6	7.91	
310.00																			
312.00										312.00	315.00	3.00	N254397	0.453	0.115	1081.7	49.3	8.32	
314.00																			
315.00										315.00	318.00	3.00	N254398	0.271	0.204	873.4	35.7	8.53	
316.00																			
318.00										318.00	321.00	3.00	N254399	0.393	0.159	1536.7	57.3	8.47	
320.00																			
321.00										321.00	324.00	3.00	N254400	0.603	0.09	1424.2	55.3	9.39	
322.00																			
324.00																			

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
326.00		0	70	70	70	70	60	60	60									
										324.00	327.50	3.50	N254401	0.415	0.174	1232.4	45.8	7.41
328.00										327.50	333.00	5.50	N254402	0.379	0.118	1297.2	17.2	8.66
330.00																		
332.00																		
										333.00	336.00	3.00	N254403	0.382	0.112	406.2	15.6	8.82
334.00																		
336.00										336.00	339.00	3.00	N254404	0.144	0.103	469	7.8	9.13
338.00										336.00	339.00	3.00	N254405	0.169	0.097	349	10.1	9.47
										339.00	342.00	3.00	N254406	0.27	0.114	874.2	16.6	9.42
340.00																		
342.00										342.00	345.00	3.00	N254407	0.394	0.224	1779	41.4	7.67
344.00																		
										345.00	348.00	3.00	N254408	0.165	0.036	473.8	3.8	8.88
346.00																		
348.00																		
350.00																		
										348.00	351.00	3.00	N254409	0.209	0.009	83.6	2.8	8.91
352.00										351.00	354.00	3.00	N254410	0.305	0.008	95.1	4.3	8.53
354.00										354.00	357.00	3.00	N254411	0.134	0.008	95.3	5.5	6.74
356.00																		
										357.00	360.00	3.00	N254412	0.053	0.012	92.9	3	7.23
358.00																		
360.00										360.00	363.00	3.00	N254414	0.069	0.007	70.1	2.2	8.6
362.00																		
										363.00	366.00	3.00	N254415	0.198	0.032	110.2	3.4	8.91
364.00																		
366.00										366.00	369.00	3.00	N254416	0.056	0.038	80.2	8.5	8.27
368.00																		
										369.00	372.00	3.00	N254417	0.038	0.102	266.6	3.1	8.59

# GeoSpark: Strip Log

Hole: H17-02

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
370.00		0	70	70	70	70	600	600	600										
372.00																			
374.00										372.00	375.00	3.00	N254418	0.047	0.081	468.3	4.8	8.05	
										375.00	378.00	3.00	N254419	0.016	0.03	165.3	3.9	7.26	
376.00																			
378.00										378.00	381.00	3.00	N254421	0.018	0.026	140.5	3.1	7.05	
380.00																			
										381.00	384.00	3.00	N254422	0.019	0.064	213.3	2.3	8.03	
382.00																			
384.00																			
386.00																			
										384.00	387.00	3.00	N254423	0.06	0.077	286.1	2.3	8.47	
388.00										387.00	390.00	3.00	N254424	0.068	0.054	279.5	2.4	7.85	
390.00																			
392.00										390.00	393.00	3.00	N254425	0.019	0.03	129.7	2.1	7.73	
										393.00	396.00	3.00	N254426	0.012	0.015	56.4	1.8	8.1	
394.00																			
396.00										396.00	399.00	3.00	N254427	0.008	0.01	61.4	4	7.53	
398.00																			
										399.00	402.00	3.00	N254428	0.008	0.008	44.5	2.7	8.65	
400.00																			
402.00																			
404.00																			
										402.00	405.00	3.00	N254429	0.016	0.021	194.5	1.7	8.16	
406.00										405.00	408.00	3.00	N254431	0.287	0.005	61.5	1.3	8.19	
408.00										408.00	411.00	3.00	N254432	0.226	0.003	58.4	1.3	9.29	
410.00																			
										411.00	414.00	3.00	N254433	0.201	0.044	42.9	2.4	7.97	
412.00																			
414.00																			
416.00										414.00	417.10	3.10	N254434	0.177	0.013	40.8	2	7.95	

Hole: H17-02

Depth (m)	Rock Type	LEA [Alt]	SCP [Alt]	CMG [Alt]	PRO [Alt]	SI [Min]	CY [Min]	PY [Min]	CL [Min]	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		0	70	70	70	70	600	600	600	60								

End of Hole @ 417.1

**Project:** Hushamu

**Hole:** H17-03

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/19/2017
Easting:	580891	Azimuth:	360	Date Completed:	6/29/2017
Northing:	5613564	Dip:	-55	Drill Company:	Peak
Elevation (m):	632	Length (m):	439	Drill Rig:	
Hole Type:	DD			Drill Started:	6/18/2017
Hole Diameter:				Drill Completed:	6/28/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-53.5	342.1	17.25	359.35	ReflexEZS			55055	<input type="checkbox"/>	
102	-52.9	343.7	17.25	0.95	ReflexEZS			55203	<input type="checkbox"/>	
153	-52.6	345.4	17.25	2.65	ReflexEZS			54988	<input type="checkbox"/>	
204	-52.1	346.2	17.25	3.45	ReflexEZS			54969	<input type="checkbox"/>	
255	-51.7	347.4	17.25	4.65	ReflexEZS			54886	<input type="checkbox"/>	
306	-51.3	348.6	17.25	5.85	ReflexEZS			55040	<input type="checkbox"/>	
358	-50.9	350.3	17.25	7.55	ReflexEZS			55059	<input type="checkbox"/>	
410	-50.7	350.8	17.25	8.05	ReflexEZS			55029	<input type="checkbox"/>	

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
0.00	CASE																	
2.00																		

# GeoSpark: Strip Log

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
		0	70	70	70	70	60	60	60										
4.00																			
6.00	HTBX									6.00	9.00	3.00	N254435	0.05	0.128	75.7	81.5	5.76	
8.00																			
10.00																			
12.00																			
14.00										12.00	15.00	3.00	N254437	0.715	0.115	1128.3	96.8	7.56	
16.00										15.00	18.00	3.00	N254439	0.86	0.251	8954.3	130	5.17	
18.00										18.00	21.00	3.00	N254440	2.71	0.151	267.6	271.2	7.24	
20.00																			
22.00																			
24.00										21.00	24.00	3.00	N254441	0.913	0.229	566.7	139.2	7.23	
26.00																			
28.00										24.00	27.00	3.00	N254442	1.03	0.396	1393.7	141.6	7.02	
30.00																			
32.00																			
34.00																			
36.00																			
38.00																			
40.00	BRXX									27.00	30.00	3.00	N254443	0.836	0.24	880.8	159.4	7.29	
42.00										30.00	33.00	3.00	N254444	0.603	0.392	693.6	130.3	6.09	
44.00	HTBX									33.00	36.00	3.00	N254445	0.752	0.346	358.8	124.1	7.35	
46.00										33.00	36.00	3.00	N254446	0.751	0.365	399.8	152.8	6.95	
48.00																			
										36.00	39.00	3.00	N254447	1.282	0.219	307.7	166.7	7.9	
										39.00	42.00	3.00	N254448	0.633	0.289	472.3	125.2	6.5	
										42.00	45.00	3.00	N254449	0.522	0.226	413.1	129.3	5.87	
										45.00	48.00	3.00	N254450	0.405	0.517	448.8	545.6	5.88	
										48.00	51.00	3.00	N254451	0.784	0.201	157.8	208.5	6.87	

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
50.00		0	70	70	70	60	60	60	60	51.00	54.00	3.00	N254452	1.338	0.252	229.4	177.8	4.4	
52.00																			
54.00										54.00	57.00	3.00	N254454	0.826	0.369	998.4	128.1	6.5	
56.00																			
58.00										57.00	60.00	3.00	N254455	1.037	0.249	300.8	210.6	3.35	
60.00										60.00	63.00	3.00	N254456	1.012	0.186	977.1	152.6	7.46	
62.00																			
64.00										63.00	66.00	3.00	N254457	0.429	0.241	344.9	123.6	3.96	
66.00																			
68.00										66.00	69.00	3.00	N254458	0.29	0.222	316.6	186.1	6.54	
70.00										69.00	72.00	3.00	N254459	0.164	0.246	570.5	110	3.36	
72.00										72.00	75.00	3.00	N254461	0.59	0.217	440	133	5.74	
74.00	QFPP									75.00	78.00	3.00	N254462	0.499	0.11	234.7	97.8	6.6	
76.00																			
78.00	HTBX									78.00	81.00	3.00	N254463	0.021	0.185	175.4	202.1	5.06	
80.00																			
82.00										81.00	84.00	3.00	N254464	0.022	0.16	134.9	137.3	5.88	
84.00																			
86.00										84.00	87.00	3.00	N254465	0.09	0.109	87.7	58.4	7.06	
88.00										87.00	90.00	3.00	N254466	0.319	0.109	74.5	65.7	7.49	
90.00																			
92.00										90.00	93.00	3.00	N254468	0.165	0.128	115	38.7	8.68	
										90.00	93.00	3.00	N254467	0.159	0.132	115.3	45.2	7.78	



# GeoSpark: Strip Log

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
94.00		0	70	70	70	60	60	60	60	93.00	96.00	3.00	N254469	0.133	0.181	188.3	79.5	6.65
96.00																		
98.00										96.00	99.00	3.00	N254470	0.092	0.266	216.9	176.7	6.56
100.00										99.00	102.00	3.00	N254471	0.424	0.271	304.8	138.7	11.31
102.00										102.00	105.00	3.00	N254472	0.035	0.256	150.1	36.9	6.13
104.00																		
106.00										105.00	108.00	3.00	N254473	0.147	0.35	1307.1	40.2	6.26
108.00										108.00	111.00	3.00	N254474	0.222	0.238	268.5	58.5	5.83
110.00																		
112.00										111.00	114.00	3.00	N254475	0.123	0.204	402.9	52.6	6.16
114.00										114.00	117.00	3.00	N254476	0.12	0.294	347	53.2	6.24
116.00																		
118.00										117.00	120.00	3.00	N254478	1.094	0.235	3079.2	135.4	6.46
120.00																		
122.00										120.00	123.00	3.00	N254479	0.111	0.414	1056	38.8	7.01
124.00										123.00	126.00	3.00	N254480	0.111	0.51	7737.4	34.6	6.17
126.00										126.00	129.00	3.00	N254481	0.214	0.337	2211.5	43.6	7.11
128.00																		
130.00										129.00	132.00	3.00	N254482	0.144	0.204	260.7	72.7	8.38
132.00										132.00	135.00	3.00	N254484	0.088	0.219	209.4	62.7	7.46
134.00																		
136.00										135.00	138.00	3.00	N254485	0.016	0.157	132.4	47.6	4.61
138.00										138.00	141.00	3.00	N254486	0.1	0.117	103.1	49.7	6.33
140.00																		
										141.00	144.00	3.00	N254487	0.115	0.147	153.1	37.3	5.89

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
142.00																		
144.00										144.00	147.00	3.00	N254488	0.297	0.151	370.5	42.6	6.2
146.00	BRXX																	
148.00																		
150.00										147.00	150.00	3.00	N254489	0.32	0.163	298.9	48.9	5.35
152.00	HTBX																	
154.00																		
156.00										150.00	153.00	3.00	N254490	0.322	0.133	307	47.7	5.08
158.00																		
160.00																		
162.00										153.00	156.00	3.00	N254491	0.01	0.083	78.6	36.6	3.4
164.00										153.00	156.00	3.00	N254492	0.014	0.07	68.1	27.8	3.74
166.00										156.00	159.00	3.00	N254493	0.031	0.069	56.7	27.6	4.99
168.00																		
170.00										159.00	162.00	3.00	N254494	0.009	0.081	52.2	31.4	4
172.00																		
174.00																		
176.00										162.00	165.00	3.00	N254495	0.283	0.071	84.3	69.9	6.93
178.00																		
180.00										165.00	168.00	3.00	N254496	0.079	0.07	111.1	43.7	4.62
182.00																		
184.00										168.00	171.00	3.00	N254497	0.027	0.068	80.1	43.9	3.36
186.00																		
										171.00	174.00	3.00	N254499	0.191	0.078	169.1	38.3	4.29
										174.00	177.00	3.00	N254500	0.299	0.077	88.6	42.8	5.23
										177.00	180.00	3.00	N254501	0.023	0.133	209.5	63.4	5.19
										180.00	183.00	3.00	N254502	0.018	0.114	115.9	63.6	4.48
										183.00	186.00	3.00	N254503	0.016	0.181	246.2	111.1	3.73
										186.00	189.00	3.00	N254504	0.015	0.081	575.3	108.7	5.17

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
188.00																			
190.00										189.00	192.00	3.00	N254505	0.017	0.068	343.5	83.4	4.03	
192.00										192.00	195.00	3.00	N254506	0.119	0.178	395.7	63.5	2.81	
194.00																			
196.00										195.00	198.00	3.00	N254508	0.044	0.08	145.3	49.5	3.16	
198.00	BRXX									198.00	201.00	3.00	N254509	0.014	0.074	83	56.3	3.64	
200.00																			
202.00										201.00	204.00	3.00	N254510	0.011	0.077	74.1	53.7	4.73	
204.00	HTBX																		
206.00																			
										204.00	207.00	3.00	N254511	0.015	0.088	186.1	79.3	3.01	
208.00										207.00	210.00	3.00	N254512	0.184	0.115	271.9	70.5	3.4	
										207.00	210.00	3.00	N254513	0.155	0.115	236	68.8	3.42	
210.00										210.00	213.00	3.00	N254514	0.197	0.201	373.9	100	4.36	
212.00																			
										213.00	216.00	3.00	N254515	0.017	0.115	244.8	78.6	2.6	
214.00																			
216.00										216.00	219.00	3.00	N254516	0.01	0.056	75.1	65.1	3.19	
218.00																			
										219.00	222.00	3.00	N254517	0.048	0.052	91.3	43.2	1.47	
220.00										222.00	225.00	3.00	N254518	0.02	0.07	73.8	28.7	0.5	
222.00																			
224.00										225.00	228.00	3.00	N254519	0.019	0.077	141.6	55.9	2.47	
226.00																			
228.00																			
230.00										228.00	231.00	3.00	N254520	0.155	0.113	123.6	58.2	4.36	

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
232.00	Orange	0	70	70	70	70	600	600	600	231.00	234.00	3.00	N254521	0.2	0.178	124.9	55.7	4.48	
234.00		70	70	70	70	600	600	600	234.00	237.00	3.00	N254522	0.07	0.113	48.8	39.2	4.74		
236.00		70	70	70	70	600	600	600	237.00	240.00	3.00	N254524	0.153	0.085	62.8	44.9	6.19		
238.00		70	70	70	70	600	600	600	240.00	243.00	3.00	N254525	0.032	0.063	37.3	45.8	6.92		
240.00		70	70	70	70	600	600	600	243.00	246.00	3.00	N254526	0.017	0.06	49.7	38.1	2.17		
242.00		70	70	70	70	600	600	600	246.00	249.00	3.00	N254527	0.006	0.06	35.5	44.6	3.66		
244.00		70	70	70	70	600	600	600	249.00	252.00	3.00	N254528	0.017	0.056	40.3	69.8	3.09		
246.00		70	70	70	70	600	600	600	252.00	255.00	3.00	N254529	0.015	0.084	84.6	97.4	1.59		
248.00		70	70	70	70	600	600	600	255.00	258.00	3.00	N254531	0.131	0.053	44.5	121.7	3.57		
250.00		70	70	70	70	600	600	600	258.00	261.00	3.00	N254532	0.285	0.105	144.3	88.6	4.27		
252.00		70	70	70	70	600	600	600	261.00	264.00	3.00	N254533	0.081	0.061	51.9	80.4	1.98		
254.00		70	70	70	70	600	600	600	264.00	267.00	3.00	N254534	0.027	0.049	38.5	88.9	2.37		
256.00		70	70	70	70	600	600	600	267.00	270.00	3.00	N254535	0.333	0.083	669.7	74	3.44		
258.00		70	70	70	70	600	600	600	270.00	273.00	3.00	N254536	0.371	0.061	175.2	97	4.08		
260.00		70	70	70	70	600	600	600	273.00	276.00	3.00	N254538	0.88	0.063	235.8	139.5	4.4		
262.00		70	70	70	70	600	600	600	276.00	279.00	3.00	N254539	1.082	0.062	460	147	3.86		
264.00		70	70	70	70	600	600	600											
266.00		70	70	70	70	600	600	600											
268.00		70	70	70	70	600	600	600											
270.00		70	70	70	70	600	600	600											
272.00	70	70	70	70	600	600	600												
274.00	70	70	70	70	600	600	600												
276.00	70	70	70	70	600	600	600												

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
278.00										279.00	282.00	3.00	N254540	0.536	0.063	151.1	77.8	5.29
280.00																		
282.00																		
284.00																		
286.00										282.00	285.00	3.00	N254541	0.499	0.114	931	97	4.72
288.00										285.00	288.00	3.00	N254542	0.274	0.088	103.9	50.9	5.13
290.00										288.00	291.00	3.00	N254543	0.295	0.039	81.5	54.7	5.09
292.00	BRXX									291.00	294.00	3.00	N254544	0.464	0.077	268.8	80.7	5.9
294.00										294.00	297.00	3.00	N254545	0.488	0.117	147.4	91.9	6.58
296.00										297.00	300.00	3.00	N254546	0.529	0.123	155.2	90.1	6.07
298.00																		
300.00										300.00	303.00	3.00	N254547	0.546	0.095	136.8	83.6	4.86
302.00	HTBX									303.00	306.00	3.00	N254548	0.399	0.046	53.2	81.7	4.88
304.00										306.00	309.00	3.00	N254550	0.225	0.056	48.8	84.3	3.58
306.00										309.00	312.00	3.00	N254551	0.194	0.088	70.1	108.5	5.19
308.00																		
310.00																		
312.00	BRXX									312.00	315.00	3.00	N254552	0.607	0.089	116.8	113	6.68
314.00										315.00	318.00	3.00	N254553	0.461	0.129	122.1	71.8	5.89
316.00																		
318.00	HTBX									318.00	321.00	3.00	N254554	0.536	0.084	95	155	7.17
320.00										321.00	324.00	3.00	N254555	0.758	0.055	46.4	156.4	5.69
322.00																		
324.00										324.00	327.00	3.00	N254557	0.066	0.063	49.1	132.5	2.37

# GeoSpark: Strip Log

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
326.00																		
328.00										327.00	330.00	3.00	N254558	0.158	0.063	88.7	118	7.07
330.00																		
332.00										330.00	333.00	3.00	N254559	0.303	0.079	100	116.2	9.5
										330.00	333.00	3.00	N254560	0.268	0.076	87.3	120.2	10.77
										333.00	336.00	3.00	N254561	1.312	0.054	70.1	225.3	8.01
334.00																		
336.00										336.00	339.00	3.00	N254562	1.616	0.13	360.3	252.6	4.5
338.00																		
340.00										339.00	342.00	3.00	N254563	0.894	0.12	200.7	228.7	1.95
342.00																		
344.00																		
										342.00	345.00	3.00	N254564	0.463	0.091	466.3	176.4	4.64
346.00										345.00	348.00	3.00	N254565	0.685	0.093	1077.8	108.5	4.95
348.00										348.00	351.00	3.00	N254566	0.642	0.087	675.9	180.8	3.03
350.00																		
										351.00	354.00	3.00	N254567	0.381	0.082	86.8	223.5	4.29
352.00																		
354.00																		
356.00																		
										354.00	357.00	3.00	N254569	0.492	0.099	155.3	173.9	5.31
358.00										357.00	360.00	3.00	N254570	0.688	0.095	350.8	164.5	3.75
360.00										360.00	363.00	3.00	N254571	0.976	0.133	913	169.7	5.33
362.00																		
										363.00	366.00	3.00	N254572	0.72	0.108	1061.2	126.4	5.12
364.00																		
366.00																		
368.00																		
										366.00	369.00	3.00	N254573	1.027	0.14	1799	192.7	4.97

# GeoSpark: Strip Log

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
		0	7 0	7 0	7 0	7 0	60 0	60 0	60 0										
370.00										369.00	372.00	3.00	N254574	0.899	0.132	1130.5	193.9	4.18	
372.00																			
374.00										372.00	375.00	3.00	N254575	0.837	0.104	506	193.7	4.97	
										375.00	378.00	3.00	N254577	0.688	0.141	761.4	219.7	3.21	
376.00																			
378.00										378.00	381.00	3.00	N254578	0.856	0.097	661.1	188.7	5.55	
380.00																			
										381.00	384.00	3.00	N254579	1.195	0.13	1934.1	224.5	7.55	
382.00																			
384.00										384.00	387.00	3.00	N254580	0.518	0.104	457.9	115.6	5.36	
386.00																			
										387.00	390.00	3.00	N254581	0.229	0.081	287.3	41	5.37	
388.00																			
390.00										390.00	393.00	3.00	N254582	2.182	0.574	8621	314.6	6.58	
392.00																			
										393.00	396.00	3.00	N254583	0.483	0.195	332.1	92.8	5.53	
394.00																			
396.00																			
										396.00	399.00	3.00	N254584	0.639	0.261	526.4	110.7	5.37	
398.00																			
										396.00	399.00	3.00	N254585	0.601	0.278	502.8	112.2	6.12	
400.00										399.00	402.00	3.00	N254586	0.595	0.169	323.2	111.8	4.97	
402.00										402.00	405.00	3.00	N254587	0.727	0.119	457.4	132.5	4.61	
404.00																			
										405.00	408.00	3.00	N254588	0.762	0.162	585.1	129.9	5.74	
406.00																			
408.00																			
410.00																			
										408.00	411.00	3.00	N254589	0.202	0.154	1472.6	66.3	5.87	
412.00										411.00	414.00	3.00	N254590	0.25	0.241	2285.4	67.9	5.65	
414.00										414.00	417.00	3.00	N254591	0.236	0.267	5063.7	60.9	5.64	

Hole: H17-03

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct					
		[Alt] 0	[Alt] 70	[Alt] 70	[Alt] 70	[Min] 70	[Min] 60	[Min] 60	[Min] 60										[Min] 60				
416.00	Orange		Orange			Teal	Purple	Light Purple		417.00	420.00	3.00	N254593	0.139	0.108	597.1	64.5	5					
418.00																							
420.00																							
422.00																							
424.00															420.00	423.00	3.00	N254594	0.171	0.148	636.1	83.8	3.81
426.00															423.00	426.00	3.00	N254595	0.469	0.273	1351.9	105.6	4.2
428.00															426.00	429.00	3.00	N254596	0.429	0.203	812.3	98.9	3.72
430.00															429.00	432.00	3.00	N254597	0.106	0.135	357	26.6	4.39
432.00															432.00	435.00	3.00	N254598	0.219	0.192	896.6	36.4	5.06
434.00																							
436.00																							
438.00															435.00	439.00	4.00	N254600	0.34	0.232	1376.5	65.5	4.69

End of Hole @ 439



**Project:** Hushamu

**Hole:** H17-04

Prospect:		Survey Type:	DGPS	Logged By:	JM
Grid:	NAD83_Z9	Survey By:	Unknown	Date Started:	6/30/2017
Easting:	580982	Azimuth:	180	Date Completed:	7/3/2017
Northing:	5613605	Dip:	-60	Drill Company:	Peak
Elevation (m):	593	Length (m):	324.6	Drill Rig:	
Hole Type:	DD			Drill Started:	6/28/2017
Hole Diameter:				Drill Completed:	7/3/2017
Core Size:	NQ2	Comments:			
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
51	-59.6	160.2	17.25	177.45	ReflexEZS	JM	6/29/2017	54743	<input checked="" type="checkbox"/>	
102	-59.3	161.6	17.25	178.85	ReflexEZS	JM	6/29/2017	548558	<input checked="" type="checkbox"/>	
153	-59.1	163.1	17.25	180.35	ReflexEZS	JM	6/29/2017	54837	<input checked="" type="checkbox"/>	
204	-57.8	162.1	17.25	179.35	ReflexEZS	JM	6/29/2017	54778	<input checked="" type="checkbox"/>	
255	-57.1	161.7	17.25	178.95	ReflexEZS	JM	6/29/2017	54904	<input checked="" type="checkbox"/>	
306	-56.7	163.4	17.25	180.65	ReflexEZS	JM	6/29/2017	54659	<input type="checkbox"/>	

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
0.00	OVER																	
2.00																		
4.00																		
6.00	ANTF									6.00	9.00	3.00	N254601	0.063	0.141	155.6	137.4	3.61
8.00																		

# GeoSpark: Strip Log

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
10.00		0	70	70	70	70	60	60	60	9.00	12.00	3.00	N254602	0.543	0.196	937.8	136.9	3.75
12.00										12.00	15.00	3.00	N254603	0.334	0.199	226.2	93.5	4.49
14.00																		
16.00																		
18.00										18.00	21.00	3.00	N254606	0.671	0.129	308	58.4	3.77
20.00																		
22.00																		
24.00																		
26.00										24.00	27.00	3.00	N254608	0.655	0.197	335.1	81.2	6.17
28.00										27.00	30.00	3.00	N254609	0.531	0.179	594.4	51.1	6.77
30.00																		
32.00																		
34.00																		
36.00										33.00	36.00	3.00	N254611	0.398	0.191	506.1	64.6	5.82
38.00																		
40.00										36.00	39.00	3.00	N254613	0.629	0.129	513.2	97.6	4.54
42.00																		
44.00																		
46.00										39.00	42.00	3.00	N254614	1.043	0.197	353.9	157.7	6.24
48.00																		
50.00																		
52.00																		
54.00										42.00	45.00	3.00	N254615	0.554	0.233	732.3	88.6	6.98
56.00										45.00	48.00	3.00	N254616	0.773	0.292	781.3	129.1	6.08
										48.00	51.00	3.00	N254617	1.023	0.326	1571	178.3	6.51
										51.00	54.00	3.00	N254618	0.929	0.233	458.5	150	4.86
										54.00	57.00	3.00	N254620	0.827	0.198	334.5	144	2.58

# GeoSpark: Strip Log

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
58.00										57.00	60.00	3.00	N254621	1.612	0.181	327.2	159.1	4.64
60.00	BRXX																	
62.00										60.00	63.00	3.00	N254622	0.836	0.301	471.5	125.2	2.98
64.00										63.00	66.00	3.00	N254623	0.745	0.277	682.8	136.9	5.2
66.00	ANTF									66.00	69.00	3.00	N254624	0.813	0.192	808.5	116.3	6.87
68.00																		
70.00										69.00	72.00	3.00	N254625	0.628	0.202	373.2	98.6	4.34
72.00										72.00	75.00	3.00	N254627	0.691	0.221	373.6	133	6.48
74.00																		
76.00										75.00	78.00	3.00	N254628	0.799	0.289	598.7	182.4	6.31
78.00										78.00	81.00	3.00	N254629	0.781	0.232	456.5	178.3	5.19
80.00	BRXX									81.00	84.00	3.00	N254630	0.413	0.178	272.4	174.4	1.79
82.00	HTBX																	
84.00																		
86.00										84.00	87.00	3.00	N254631	0.88	0.32	355	128.9	6.29
88.00										87.00	90.00	3.00	N254632	1.199	0.307	672.5	178.5	6.5
90.00	BRXX									90.00	93.00	3.00	N254633	1.231	0.226	429.3	144.4	6.46
92.00	HTBX																	
94.00										93.00	96.00	3.00	N254635	0.642	0.36	1433	108.9	7.61
96.00										96.00	99.00	3.00	N254636	0.226	0.274	541.5	47	7.64
98.00																		
100.00										99.00	102.00	3.00	N254637	0.18	0.263	931.2	51.6	6.94
102.00										102.00	105.00	3.00	N254638	0.185	0.277	666.4	45.8	6.65
104.00																		

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
106.00	BRXX									105.00	108.00	3.00	N254639	0.385	0.126	99	101.2	5.99	
108.00										108.00	111.00	3.00	N254640	0.559	0.189	103.2	89.6	7.35	
110.00																			
112.00																			
114.00											111.00	114.00	3.00	N254641	0.267	0.232	135.4	67.7	6.38
116.00																			
118.00											114.00	117.00	3.00	N254642	0.431	0.175	266.2	95.6	6.48
120.00											117.00	120.00	3.00	N254644	0.233	0.132	85.9	104.8	6.16
122.00											120.00	123.00	3.00	N254645	0.24	0.234	155.8	73.7	5.86
124.00											123.00	126.00	3.00	N254646	0.305	0.13	121.8	75.4	6.03
126.00	HTBX									126.00	129.00	3.00	N254647	0.428	0.133	96.6	96.9	5.19	
128.00																			
130.00										129.00	132.00	3.00	N254648	0.362	0.217	130.7	68.8	6.8	
132.00										132.00	135.00	3.00	N254649	0.27	0.198	134.3	58.3	7.23	
134.00	BRXX									135.00	138.00	3.00	N254650	0.356	0.133	90.5	67.8	6.49	
136.00																			
138.00										138.00	141.00	3.00	N254652	0.155	0.148	246.7	124.2	5.89	
140.00																			
142.00										141.00	144.00	3.00	N254653	0.022	0.051	43.3	32.8	5.03	
144.00										144.00	147.00	3.00	N254654	0.037	0.06	61.6	36.7	3.86	
146.00																			
148.00										147.00	150.00	3.00	N254655	0.152	0.074	83.8	69.8	4.67	
150.00										150.00	153.00	3.00	N254656	0.04	0.117	208	70.2	4.38	
152.00																			

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
		0	70	70	70	70	60	60	60										
154.00										153.00	156.00	3.00	N254657	0.085	0.101	76.9	85.9	5	
156.00	ANTF									156.00	159.00	3.00	N254658	0.28	0.132	342.8	57.2	7.26	
158.00										159.00	162.00	3.00	N254660	0.254	0.116	95.3	42.6	6.34	
160.00										162.00	165.00	3.00	N254661	0.264	0.079	60.3	93.3	4.87	
162.00	BRXX									165.00	168.00	3.00	N254662	0.183	0.121	69	50.5	4.13	
164.00										168.00	171.00	3.00	N254663	0.085	0.173	142.3	30.5	5.39	
166.00										171.00	174.00	3.00	N254664	0.167	0.226	773.5	35.2	4.54	
168.00										174.00	177.00	3.00	N254665	0.195	0.094	137.7	33.6	4.42	
170.00										177.00	180.00	3.00	N254667	0.212	0.1	131.2	37.2	3.98	
172.00										180.00	183.00	3.00	N254668	0.065	0.096	146.3	71.1	2.78	
174.00	ANTF									183.00	186.00	3.00	N254669	0.251	0.097	192.5	63.5	3.71	
176.00										186.00	189.00	3.00	N254670	0.034	0.038	54.3	29.1	5.66	
178.00										189.00	192.00	3.00	N254671	0.216	0.064	111.2	32.8	2.94	
180.00	BRXX									192.00	195.00	3.00	N254673	0.115	0.062	67.4	36.5	1.27	
182.00	ANTF									195.00	198.00	3.00	N254674	0.197	0.058	71	49.7	1.51	
184.00										198.00	201.00	3.00	N254675	0.268	0.091	167.2	59.8	1.83	
186.00																			
188.00																			
190.00																			
192.00																			
194.00																			
196.00																			
198.00																			
200.00																			

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
202.00	BRXX									201.00	204.00	3.00	N254676	0.448	0.07	67.6	62.6	5.32	
204.00																			
206.00																			
208.00											204.00	207.00	3.00	N254677	0.374	0.087	68.8	50.8	5.97
210.00	ANTF									207.00	210.00	3.00	N254678	0.195	0.054	69.4	40.8	6.45	
212.00										210.00	213.00	3.00	N254680	0.072	0.047	40.1	41.2	5.77	
214.00											213.00	216.00	3.00	N254681	0.12	0.051	93	41.1	7.06
216.00											216.00	219.00	3.00	N254682	0.112	0.047	170.7	48.2	4.43
218.00											219.00	222.00	3.00	N254683	0.131	0.155	142.6	30.3	5.54
220.00											222.00	225.00	3.00	N254684	0.22	0.097	174.5	43.9	5.29
222.00											225.00	228.00	3.00	N254685	0.185	0.077	82.2	36.8	6
224.00											228.00	231.00	3.00	N254686	0.185	0.179	334.1	36.4	4.46
226.00											231.00	234.00	3.00	N254687	0.156	0.156	10000	36.5	4.22
228.00											234.00	237.00	3.00	N254688	0.195	0.055	302.6	33.2	3.05
230.00	HTBX									237.00	240.00	3.00	N254690	0.135	0.098	244.3	27.1	2.31	
232.00										240.00	243.00	3.00	N254691	0.165	0.067	176.6	36.8	7.53	
234.00	BRXX									243.00	246.00	3.00	N254692	0.424	0.079	157.5	59.2	4.34	
236.00										246.00	249.00	3.00	N254693	0.197	0.074	162.8	38.5	8.36	
238.00	HTBX																		
240.00																			
242.00																			
244.00																			
246.00																			
248.00																			

# GeoSpark: Strip Log

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
		0	70	70	70	70	600	600	600									
250.00	BRXX									249.00	252.00	3.00	N254694	0.174	0.071	115	36.6	5.72
252.00										252.00	255.00	3.00	N254695	0.133	0.11	210.6	31.3	5.48
254.00	HTBX									255.00	258.00	3.00	N254696	0.091	0.317	282.7	21.7	8.28
256.00										258.00	261.00	3.00	N254698	0.162	0.19	215.5	33.9	7.36
258.00										261.00	264.00	3.00	N254699	0.108	0.132	171	23.9	7.32
260.00										264.00	267.00	3.00	N254700	0.179	0.206	366.9	28.3	7.76
262.00										267.00	270.00	3.00	N254702	0.105	0.284	228.8	26.7	7.79
264.00										270.00	273.00	3.00	N254703	0.207	0.12	295.7	29.6	1.98
266.00										273.00	276.00	3.00	N254704	0.158	0.206	317.2	31.1	5.31
268.00	BRXX									276.00	279.00	3.00	N254705	0.446	0.158	267.7	58	6.62
270.00										279.00	282.00	3.00	N254706	0.216	0.282	497.3	52.5	6.74
272.00	HTBX									282.00	285.00	3.00	N254707	0.096	0.258	917.1	34.8	7.84
274.00										285.00	288.00	3.00	N254708	0.146	0.303	649.8	49.8	8.32
276.00										288.00	291.00	3.00	N254709	0.318	0.29	211.4	83.2	6.68
278.00										291.00	294.00	3.00	N254711	0.098	0.311	215.9	57.3	7.33
280.00										294.00	297.00	3.00	N254712	0.307	0.263	219.3	96.1	6.36
282.00																		
284.00																		
286.00																		
288.00																		
290.00																		
292.00																		
294.00																		
296.00																		

Hole: H17-04

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
298.00		0	70	70	70	70	60	60	60	297.00	300.00	3.00	N254713	0.135	0.255	181.3	59.6	8.08
300.00										300.00	303.00	3.00	N254714	0.123	0.324	289.9	47.3	6.64
302.00																		
304.00										303.00	306.00	3.00	N254716	0.192	0.315	624.1	59.9	7.69
306.00										306.00	309.00	3.00	N254717	0.265	0.225	1719.8	55.6	7.67
308.00																		
310.00	BRXX									309.00	312.00	3.00	N254718	0.436	0.117	450.8	76.4	5.83
312.00										312.00	315.00	3.00	N254719	0.445	0.06	205.4	69	5.93
314.00	HTBX																	
316.00										315.00	318.00	3.00	N254721	0.165	0.303	1813.3	36.9	7.39
318.00										318.00	321.00	3.00	N254722	0.272	0.256	1506.2	79.7	7.69
320.00																		
322.00										321.00	324.00	3.00	N254723	0.428	0.129	168.9	93.8	5.72
324.00																		

End of Hole @ 324.6



**Project:** Hushamu

**Hole:** H17-05

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	7/6/2017
Easting:	581126	Azimuth:	5	Date Completed:	7/12/2017
Northing:	5613072	Dip:	-60	Drill Company:	Peak
Elevation (m):	629	Length (m):	225.3	Drill Rig:	
Hole Type:	DD			Drill Started:	7/3/2017
Hole Diameter:				Drill Completed:	7/11/2017
Core Size:	NQ2	Comments:	Hole terminated at 225.3m, short of target depth due to drilling difficulties.		
Casing Pulled?:	<input type="checkbox"/>				
Casing Depth (m):					

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
102	-60.6	344.7	17.25	1.95	ReflexEZS	Unknown		55246	<input type="checkbox"/>	
153	-61.5	346	17.25	3.25	ReflexEZS	Unknown		55394	<input type="checkbox"/>	
204	-61.8	347.2	17.25	4.45	ReflexEZS	Unknown		55297	<input type="checkbox"/>	

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
0.00	CASE	0	7 0	7 0	7 0	7 0	60 0	60 0	60 0	60								
2.00																		
4.00																		
6.00																		
8.00																		
10.00																		
12.00																		
14.00																		

# GeoSpark: Strip Log

Hole: H17-05

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
16.00																		
18.00																		
20.00																		
22.00																		
24.00																		
26.00										27.00	30.00	3.00	N254725	0.092	0.044	188.8	37.3	8.37
28.00	ANTF																	
30.00										30.00	33.00	3.00	N254726	0.068	0.031	173.8	22.6	10.34
32.00																		
34.00																		
36.00																		
38.00										36.00	39.00	3.00	N254728	0.034	0.037	110.5	8	8.04
40.00										39.00	42.00	3.00	N254729	0.072	0.07	119.4	19.4	8.06
42.00																		
44.00																		
46.00																		
48.00																		
50.00																		
52.00										45.00	48.00	3.00	N254732	0.011	0.028	129.5	11.3	8.94
54.00																		
56.00																		
58.00																		
60.00										48.00	51.00	3.00	N254733	0.011	0.053	121	9	7.85
62.00										51.00	54.00	3.00	N254734	0.024	0.111	426	11.8	8.13
64.00	BRXX									54.00	57.00	3.00	N254735	0.103	0.126	318.4	29.9	8.8
66.00																		
										57.00	60.00	3.00	N254736	0.082	0.271	485.6	28.3	9.32
										60.00	63.00	3.00	N254738	0.196	0.244	686.2	26.9	8.57
										63.00	66.00	3.00	N254739	0.221	0.211	329.7	50	9.08
										66.00	72.00	6.00	N254740	0.067	0.198	353.7	40	9.59

# GeoSpark: Strip Log

Hole: H17-05

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
68.00																			
70.00	ANTF																		
72.00																			
74.00																			
76.00										72.00	75.00	3.00	N254741	0.109	0.145	607.1	23.1	9.17	
78.00										75.00	78.00	3.00	N254742	0.071	0.136	703	21.1	9.1	
80.00										78.00	81.00	3.00	N254744	0.162	0.171	1221.5	39.2	8.66	
82.00										81.00	84.00	3.00	N254745	0.166	0.175	576.1	38.3	8.82	
84.00										84.00	87.00	3.00	N254746	0.12	0.218	801.1	25.2	9.16	
86.00	HTBX																		
88.00										87.00	90.00	3.00	N254747	0.215	0.229	852.8	45.7	8.56	
90.00																			
92.00										90.00	93.00	3.00	N254748	0.297	0.36	544.5	60.6	8.55	
94.00	BRXX									93.00	96.00	3.00	N254749	0.213	0.139	191.3	48.1	7.05	
96.00	HTBX									96.00	99.00	3.00	N254751	0.192	0.216	144.8	42.1	8.22	
98.00										99.00	102.00	3.00	N254752	0.444	0.25	352.9	76	8.2	
100.00																			
102.00										102.00	105.00	3.00	N254753	0.638	0.304	1509.5	99.1	6.91	
104.00																			
106.00										105.00	108.00	3.00	N254754	0.764	0.3	1348.9	96.5	8.69	
108.00	ANTF									108.00	111.00	3.00	N254755	0.273	0.285	534.3	79.8	9.07	
110.00										111.00	114.00	3.00	N254756	0.592	0.165	796.2	99.8	8.12	
112.00																			
114.00										114.00	117.00	3.00	N254757	0.17	0.152	832.2	33.6	7.74	
116.00																			

# GeoSpark: Strip Log

Hole: H17-05

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
118.00		0	70	70	70	70	600	600	600	117.00	120.00	3.00	N254759	0.265	0.192	459.7	59.1	7.92
120.00										120.00	123.00	3.00	N254760	0.485	0.281	625.2	86.1	7.08
122.00																		
124.00																		
126.00																		
128.00																		
130.00										126.00	129.00	3.00	N254762	0.377	0.324	1241.2	49.5	7.57
132.00										129.00	132.00	3.00	N254763	0.46	0.256	1112.5	76.6	7.03
134.00																		
136.00										132.00	135.00	3.00	N254764	0.264	0.282	1131.4	53.3	7.31
138.00										135.00	138.00	3.00	N254765	0.326	0.157	447.6	64.2	7.1
140.00																		
142.00										138.00	141.00	3.00	N254766	0.985	0.148	186.2	115.2	6.4
144.00	HTBX									141.00	144.00	3.00	N254768	1.109	0.166	406.9	129.1	7.68
146.00																		
148.00										144.00	147.00	3.00	N254769	0.533	0.251	951.7	70.2	8.41
150.00										147.00	150.00	3.00	N254770	0.443	0.308	1119.3	69.6	9.5
152.00																		
154.00										150.00	153.00	3.00	N254771	0.613	0.295	1259.7	97	9.39
156.00																		
158.00	ANTF									153.00	156.00	3.00	N254772	0.87	0.265	1381.5	132.3	9.12
160.00										156.00	159.00	3.00	N254773	0.415	0.227	963.1	61.4	8.34
162.00																		
164.00	HTBX									159.00	162.00	3.00	N254774	0.241	0.127	567.2	59.6	7.29
										162.00	165.00	3.00	N254776	0.486	0.088	417.1	89.4	7.67

# GeoSpark: Strip Log

Hole: H17-05

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
		0	70	70	70	70	600	600	600									
166.00										165.00	168.00	3.00	N254777	0.7	0.1	778.9	107.1	7.9
168.00																		
170.00										168.00	171.00	3.00	N254778	0.488	0.126	1285.2	78.9	7.21
172.00										171.00	174.00	3.00	N254779	0.375	0.263	537.1	75.1	6.72
174.00										174.00	177.00	3.00	N254780	0.512	0.202	833.8	86.3	6.93
176.00																		
178.00	ANFX									177.00	180.00	3.00	N254781	0.483	0.201	1474.5	78.5	7.67
180.00										180.00	183.00	3.00	N254782	1.394	0.19	2747.5	150.8	8.11
182.00																		
184.00	HTBX									183.00	186.00	3.00	N254783	0.493	0.195	2346.4	90.8	7.84
186.00																		
188.00										186.00	189.00	3.00	N254784	0.465	0.18	605.1	79.3	4.3
190.00										189.00	192.00	3.00	N254786	0.85	0.239	1347.7	152.5	7.06
192.00										192.00	195.00	3.00	N254787	0.813	0.252	1416.9	134.7	7.27
194.00																		
196.00	ANFX									195.00	198.00	3.00	N254788	0.547	0.288	839.1	86.6	8.12
198.00	HTBX																	
200.00										198.00	201.00	3.00	N254789	0.588	0.211	596.5	93.7	7.84
202.00										201.00	204.00	3.00	N254790	0.359	0.211	1412.5	76.5	7.48
204.00										204.00	207.00	3.00	N254791	0.614	0.246	3180.9	132.1	7.13
206.00																		
208.00										207.00	210.00	3.00	N254792	1.275	0.176	1760.5	148.9	7.29
210.00										210.00	213.00	3.00	N254793	0.849	0.224	1811.8	110.1	7.85
212.00	ANTF																	

Hole: H17-05

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
214.00	HTBX									213.00	216.00	3.00	N254795	1.604	0.249	1048.8	269.2	8.24	
216.00										216.00	219.00	3.00	N254796	0.607	0.196	1711.7	93.9	9.21	
218.00										219.00	222.00	3.00	N254797	0.922	0.23	1435.5	123.8	9.38	
220.00																			
222.00																			
224.00										222.00	225.00	3.00	N254798	0.59	0.176	960	102.9	7.9	

End of Hole @ 225.3

**Project:** Red Dog

**Hole:** RD17-01

Prospect:		Survey Type:	DGPS	Logged By:	Unknown
Grid:	NAD83_Z9	Survey By:		Date Started:	6/4/2017
Easting:	573114	Azimuth:	290	Date Completed:	6/6/2017
Northing:	5617519	Dip:	-80	Drill Company:	Peak
Elevation (m):	298	Length (m):	290	Drill Rig:	
Hole Type:	DD			Drill Started:	5/30/2017
Hole Diameter:				Drill Completed:	6/5/2017
Core Size:	HTW	Comments:			
Casing Pulled?:	<input type="checkbox"/>	Hole terminated at 290m. Casing dropped in the hole; could not re-enter the hole. Hole was not surveyed.			
Casing Depth (m):	48				

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt] 0	[Alt] 70	[Alt] 70	[Alt] 70	[Min] 70	[Min] 60	[Min] 60	[Min] 60										[Min] 60
0.00	CASE																		
2.00																			
4.00																			
6.00																			
8.00																			
10.00																			
12.00																			
14.00																			
16.00																			
18.00																			
20.00																			
22.00																			

Hole: RD17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
24.00		0	70	70	70	70	600	600	600										
26.00																			
28.00																			
30.00																			
32.00																			
34.00																			
36.00																			
38.00																			
40.00																			
42.00																			
44.00																			
46.00																			
48.00																			
50.00																			
52.00																			
54.00																			
56.00																			
58.00																			
60.00																			
62.00	BVv																		
64.00																			
66.00										66.00	68.00	2.00	N254097	0.074	0.012	12.2	6	8.16	
68.00										68.00	70.00	2.00	N254098	0.041	0.014	16.4	2.8	7.22	
70.00										70.00	72.00	2.00	N254100	0.023	0.015	11.8	0.6	6.83	
72.00										72.00	74.00	2.00	N254101	0.019	0.005	19.1	2.5	6.77	
74.00										74.00	76.00	2.00	N254102	0.023	0.007	23.2	5.1	7.07	
76.00										76.00	78.00	2.00	N254103	0.022	0.014	51.9	0.9	7.81	
78.00										78.00	80.00	2.00	N254104	0.02	0.015	53	2.1	7.4	
80.00										80.00	82.00	2.00	N254105	0.035	0.015	73.7	0.6	7.77	
82.00										82.00	84.00	2.00	N254106	0.069	0.008	10.8	6.5	7.67	
84.00										84.00	86.00	2.00	N254107	0.107	0.005	17.7	13.3	7.5	
86.00																			



# GeoSpark: Strip Log

Hole: RD17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
		0	70	70	70	70	600	600	600									
88.00										86.00	90.00	4.00	N254108	0.056	0.012	17	2.3	8.04
90.00										90.00	92.00	2.00	N254110	0.106	0.017	19.8	13.7	7.52
92.00																		
94.00										92.00	98.00	6.00	N254111	0.2	0.036	33.2	5.5	7.67
96.00																		
98.00										98.00	104.00	6.00	N254112	0.14	0.009	93	2.6	7.28
100.00																		
102.00																		
104.00																		
106.00																		
108.00																		
110.00										104.00	116.00	12.00	N254114	0.132	0.012	68.2	2.3	7.47
112.00																		
114.00	CAVE																	
116.00	BVv									116.00	118.00	2.00	N254115	0.052	0.018	259	7.4	6.69
118.00	FP									118.00	120.00	2.00	N254116	0.015	0.02	231.6	4.1	6.55
120.00	BVv									120.00	122.00	2.00	N254117	0.074	0.064	485.7	18.1	6.21
										120.00	122.00	2.00	N254118	0.062	0.053	568.6	12	6.92
122.00	FP									122.00	124.00	2.00	N254119	0.82	0.163	1340.5	128.1	5.49
124.00										124.00	126.00	2.00	N254120	0.454	0.153	1214.7	77.8	6.1
126.00										126.00	128.00	2.00	N254121	0.102	0.044	112.3	30	5.89
128.00										128.00	130.00	2.00	N254122	0.089	0.065	277.7	13.8	6.23
130.00										130.00	132.00	2.00	N254123	0.119	0.037	292.4	11	6.11
132.00										132.00	134.00	2.00	N254124	0.126	0.033	294.8	11.6	5.97
134.00										134.00	136.00	2.00	N254126	0.117	0.032	261	15.6	5.97
136.00										136.00	138.00	2.00	N254127	0.084	0.057	103	25.8	6.33
138.00										138.00	140.00	2.00	N254128	0.383	0.049	334.8	44.5	5.36
140.00										140.00	142.00	2.00	N254129	0.35	0.036	176.3	28.2	6.01
142.00										142.00	144.00	2.00	N254130	0.041	0.053	315.5	10.9	5.72
144.00	BVv									144.00	146.00	2.00	N254131	0.043	0.025	238.7	4.7	6.57
146.00										146.00	148.00	2.00	N254133	0.083	0.028	340.1	9.2	5.92
148.00										148.00	150.00	2.00	N254134	0.066	0.03	350.1	12.5	5.57

Hole: RD17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct	
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]										
		0	70	70	70	70	600	600	600	60									
150.00										150.00	152.00	2.00	N254135	0.009	0.032	278.7	5.3	5.38	
152.00										152.00	154.00	2.00	N254136	0.066	0.036	73.6	11.6	5.4	
154.00										154.00	156.00	2.00	N254137	0.1	0.171	1662.8	24	5.45	
156.00	BVt									156.00	158.00	2.00	N254138	0.089	0.156	940	23.6	4.43	
158.00	BVv									158.00	160.00	2.00	N254139	0.166	0.114	702.8	40.6	5	
160.00										160.00	162.00	2.00	N254140	0.067	0.113	490.6	25.4	4.65	
162.00										162.00	164.00	2.00	N254141	0.03	0.053	397.2	17.2	4.58	
164.00										164.00	166.00	2.00	N254142	0.069	0.056	360.6	19.6	5.08	
166.00										164.00	166.00	2.00	N254143	0.057	0.052	306	20.5	5.97	
166.00										166.00	168.00	2.00	N254144	0.046	0.067	731.2	14.8	5.02	
168.00										168.00	170.00	2.00	N254145	0.056	0.066	749.8	19.4	5.51	
170.00										170.00	172.00	2.00	N254146	0.134	0.088	753.2	25.5	5.48	
172.00										172.00	174.00	2.00	N254147	0.124	0.085	693.9	20	5.28	
174.00										174.00	176.00	2.00	N254148	0.153	0.103	1142.9	22.2	6.6	
176.00										176.00	178.00	2.00	N254150	0.202	0.146	1243.1	34.6	6.37	
178.00										178.00	180.00	2.00	N254151	0.206	0.208	968.8	33.2	5.59	
180.00										180.00	182.00	2.00	N254152	0.221	0.207	1712.5	31	5.75	
182.00										182.00	184.00	2.00	N254153	0.152	0.22	1260.5	29.9	5.54	
184.00										184.00	186.00	2.00	N254154	0.148	0.098	1175.3	38.2	5.93	
186.00										186.00	188.00	2.00	N254155	0.667	0.039	61.9	87.5	4.63	
188.00										188.00	190.00	2.00	N254156	0.7	0.11	722.2	97.4	5.5	
190.00										190.00	192.00	2.00	N254157	0.472	0.066	874.3	60.3	7.73	
192.00										192.00	194.00	2.00	N254158	0.134	0.034	406.5	22.1	6.91	
194.00										194.00	196.00	2.00	N254159	0.264	0.041	339.6	42.3	7.42	
196.00										196.00	198.00	2.00	N254160	0.121	0.04	275.8	33.8	6.67	
198.00										198.00	200.00	2.00	N254162	0.067	0.024	184.3	14.6	6.41	
200.00										200.00	202.00	2.00	N254163	0.007	0.012	82.6	0.9	6.87	
202.00										202.00	204.00	2.00	N254164	-0.0025	0.013	144.2	1	7.27	
204.00	FP									204.00	206.00	2.00	N254165	-0.0025	0.006	78.6	1.3	6.72	
206.00										206.00	208.00	2.00	N254166	-0.0025	0.015	231.1	0.6	7.45	
208.00										208.00	210.00	2.00	N254167	-0.0025	0.009	93.8	0.7	6.93	
210.00										210.00	212.00	2.00	N254168	-0.0025	0.012	61.8	1.2	5.96	

# GeoSpark: Strip Log

Hole: RD17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
212.00										212.00	214.00	2.00	N254169	-0.0025	0.005	19.6	0.9	7.19
										212.00	214.00	2.00	N254170	-0.0025	0.005	15.8	0.9	8.48
214.00										214.00	216.00	2.00	N254171	-0.0025	0.011	64.6	1.5	7.39
216.00	BVv									216.00	218.00	2.00	N254172	-0.0025	0.01	26.1	1.3	7.48
218.00										218.00	220.00	2.00	N254173	-0.0025	0.008	13.1	1.4	6.51
220.00										220.00	222.00	2.00	N254174	0.025	0.01	66.9	4.3	6.95
222.00										222.00	224.00	2.00	N254175	-0.0025	0.015	107.8	0.8	8.05
224.00										224.00	226.00	2.00	N254176	0.012	0.015	186	2.8	6.7
226.00										226.00	228.00	2.00	N254177	-0.0025	0.007	25.3	1.7	6.05
228.00	BVf									228.00	230.00	2.00	N254178	-0.0025	0.006	30.2	0.6	7.36
230.00										230.00	232.00	2.00	N254179	-0.0025	0.007	19	0.6	7.34
232.00										232.00	234.00	2.00	N254180	-0.0025	0.006	9.3	1.4	6.92
234.00										234.00	236.00	2.00	N254182	0.009	0.006	9.2	2.7	6.03
236.00										236.00	238.00	2.00	N254183	0.006	0.004	9.3	1.5	6.43
238.00										238.00	240.00	2.00	N254184	-0.0025	0.005	24	1.9	6.15
240.00										240.00	242.00	2.00	N254185	-0.0025	0.006	14.4	2.2	5.86
242.00										242.00	244.00	2.00	N254186	-0.0025	0.006	13.1	1.7	5.86
244.00										244.00	246.00	2.00	N254187	0.01	0.013	123.5	2	6.64
										244.00	246.00	2.00	N254215	0.01	0.011	143.5	2	8.2
246.00										246.00	248.00	2.00	N254188	-0.0025	0.007	63	1.4	6.28
248.00										248.00	250.00	2.00	N254189	0.006	0.006	13.6	2.6	5.61
250.00										250.00	252.00	2.00	N254190	-0.0025	0.005	12.6	1.7	5.06
252.00										252.00	254.00	2.00	N254192	-0.0025	0.005	13.8	1.7	5.27
254.00										254.00	256.00	2.00	N254193	-0.0025	0.009	166.4	1.2	6
256.00										256.00	258.00	2.00	N254194	-0.0025	0.005	61.4	0.5	6.69
258.00										258.00	260.00	2.00	N254195	-0.0025	0.013	281.5	0.6	7.21
260.00										260.00	262.00	2.00	N254196	-0.0025	0.01	72.1	0.5	7.9
262.00										262.00	264.00	2.00	N254197	-0.0025	0.022	129.3	0.7	8.87
264.00										264.00	266.00	2.00	N254198	0.008	0.015	69.6	1	8.94
266.00										266.00	268.00	2.00	N254199	0.01	0.014	121.3	0.9	9.71
268.00										268.00	270.00	2.00	N254200	-0.0025	0.021	116.6	1.4	9.54
270.00	Ba									270.00	272.00	2.00	N254201	-0.0025	0.022	236.5	1	9.28

Hole: RD17-01

Depth (m)	Rock Type	LEA	SCP	CMG	PRO	SI	CY	PY	CL	From (m)	To (m)	Length	Sample #	Re1 ICP ppm	Au1 AA ppm	Cu ICP ppm	Mo ICP ppm	Al ICP pct
		[Alt]	[Alt]	[Alt]	[Alt]	[Min]	[Min]	[Min]	[Min]									
272.00	BVf									270.00	272.00	2.00	N254202	-0.0025	0.023	234.7	0.8	9.16
274.00										272.00	274.00	2.00	N254203	-0.0025	0.012	104.1	0.9	9.12
276.00										274.00	276.00	2.00	N254204	-0.0025	0.005	5.9	0.4	8.42
278.00										276.00	278.00	2.00	N254205	0.007	0.013	164.7	1	9.03
280.00										278.00	280.00	2.00	N254206	-0.0025	0.025	145.6	0.8	9.29
282.00										280.00	282.00	2.00	N254207	0.006	0.017	133.8	1	8.94
284.00		Ba								282.00	284.00	2.00	N254208	-0.0025	0.019	128.2	0.7	8.52
286.00	BVf								284.00	286.00	2.00	N254209	-0.0025	0.012	132.3	0.8	9.68	
288.00									286.00	288.00	2.00	N254210	-0.0025	0.014	113.3	1	9.18	
									288.00	290.00	2.00	N254211	-0.0025	0.011	39.4	1.5	6.42	

End of Hole @ 290

**Appendix III  
Mineral Tenures**

CLAIM LISTING

Status as of: November 1, 2017

#	Title Number	Claim Name	Owner	Title Type	Title Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
1	512104	FILL 13	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2018/DEC/01	GOOD	430.721
2	377240	APPLE BAY TWO	259108 (100%)	Mineral	Claim	092L	2000/MAY/17	2018/DEC/11	GOOD	500.0
3	394718	APPLE BAY NINETEEN	259108 (100%)	Mineral	Claim	092L	2002/JUL/05	2018/DEC/11	GOOD	500.0
4	398335	APPLE BAY TWENTY	259108 (100%)	Mineral	Claim	092L	2002/NOV/16	2018/DEC/11	GOOD	500.0
5	512096	FILL 10	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2018/DEC/11	GOOD	512.77
6	513909		259108 (100%)	Mineral	Claim	092L	2005/JUN/03	2018/DEC/11	GOOD	511.699
7	512095	FILL 9	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	163.886
8	512102	FILL 11	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	225.594
9	512108	FILL 15	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	512.246
10	512109	FILL 16	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	512.216
11	512110	FILL 17	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	511.954
12	512111	FILL 18	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	511.845
13	512113	FILL 18	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	512.037
14	512114	FILL 19	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	511.872
15	512115	FILL 20	259108 (100%)	Mineral	Claim	102I	2005/MAY/05	2019/DEC/01	GOOD	368.512
16	512116	FILL 21	259108 (100%)	Mineral	Claim	102I	2005/MAY/05	2019/DEC/01	GOOD	225.109
17	512117	FILL 22	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	122.759
18	512118	FILL 23	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	164.174
19	512120	FILL 24	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2019/DEC/01	GOOD	245.798
20	229789	EXPO 1013 FR.	259108 (100%)	Mineral	Claim	092L	1983/AUG/22	2019/DEC/11	GOOD	25.0
21	229790	EXPO 1014 FR.	259108 (100%)	Mineral	Claim	092L	1983/AUG/22	2019/DEC/11	GOOD	25.0
22	229791	EXPO 1015 FR.	259108 (100%)	Mineral	Claim	092L	1983/AUG/22	2019/DEC/11	GOOD	25.0
23	231651	HEP #36	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2019/DEC/11	GOOD	25.0
24	231667	HEP #54	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2019/DEC/11	GOOD	25.0
25	231668	HEP #55	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2019/DEC/11	GOOD	25.0
26	231669	HEP #56	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2019/DEC/11	GOOD	25.0
27	231671	HEP #58	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2019/DEC/11	GOOD	25.0
28	231995	EXPO 242	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2019/DEC/11	GOOD	25.0
29	232306	DON 9 FR.	259108 (100%)	Mineral	Claim	092L	1969/NOV/21	2019/DEC/11	GOOD	25.0
30	232307	DON 10 FR.	259108 (100%)	Mineral	Claim	092L	1969/NOV/21	2019/DEC/11	GOOD	25.0
31	232308	DON 11 FR.	259108 (100%)	Mineral	Claim	092L	1969/NOV/21	2019/DEC/11	GOOD	25.0
32	232309	DON 12 FR.	259108 (100%)	Mineral	Claim	092L	1969/NOV/21	2019/DEC/11	GOOD	25.0
33	371777	APPLE BAY THREE	259108 (100%)	Mineral	Claim	092L	1999/SEP/18	2019/DEC/11	GOOD	200.0
34	374744	APPLE BAY FOUR	259108 (100%)	Mineral	Claim	092L	2000/MAR/11	2019/DEC/11	GOOD	400.0
35	402033	APPLE BAY TWENTY-THREE	259108 (100%)	Mineral	Claim	092L	2003/APR/26	2019/DEC/11	GOOD	400.0
36	402037	APPLE BAY TWENTY SEVEN	259108 (100%)	Mineral	Claim	092L	2003/APR/29	2019/DEC/11	GOOD	250.0
37	402513	NORTHWEST 900	259108 (100%)	Mineral	Claim	092L	2003/MAY/27	2019/DEC/11	GOOD	250.0
38	405216	NORTHWEST 901	259108 (100%)	Mineral	Claim	102I	2003/SEP/19	2019/DEC/11	GOOD	25.0
39	501677		259108 (100%)	Mineral	Claim	092L	2005/JAN/12	2019/DEC/11	GOOD	81.854
40	506021	Wanakana Central	259108 (100%)	Mineral	Claim	092L	2005/FEB/06	2019/DEC/11	GOOD	348.306
41	513758	RED DOG NORTH	259108 (100%)	Mineral	Claim	092L	2005/JUN/01	2019/DEC/11	GOOD	429.609
42	513760	HEP 2.2	259108 (100%)	Mineral	Claim	092L	2005/JUN/01	2019/DEC/11	GOOD	20.464
43	513910		259108 (100%)	Mineral	Claim	092L	2005/JUN/03	2019/DEC/11	GOOD	347.912
44	513911		259108 (100%)	Mineral	Claim	092L	2005/JUN/03	2019/DEC/11	GOOD	61.383
45	513912		259108 (100%)	Mineral	Claim	102I	2005/JUN/03	2019/DEC/11	GOOD	40.921
46	513913		259108 (100%)	Mineral	Claim	102I	2005/JUN/03	2019/DEC/11	GOOD	20.461
47	513914		259108 (100%)	Mineral	Claim	092L	2005/JUN/03	2019/DEC/11	GOOD	81.853
48	513926		259108 (100%)	Mineral	Claim	092L	2005/JUN/04	2019/DEC/11	GOOD	286.505
49	513927		259108 (100%)	Mineral	Claim	092L	2005/JUN/04	2019/DEC/11	GOOD	409.297
50	513929		259108 (100%)	Mineral	Claim	092L	2005/JUN/04	2019/DEC/11	GOOD	430.364
51	513930		259108 (100%)	Mineral	Claim	092L	2005/JUN/04	2019/DEC/11	GOOD	389.316
52	513931		259108 (100%)	Mineral	Claim	092L	2005/JUN/04	2019/DEC/11	GOOD	696.946
53	515275		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	470.906
54	515276		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	655.547
55	515277		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	245.854
56	515278		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	655.917
57	515279		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	184.473
58	515280		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	471.442
59	515281		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	614.929
60	515282		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	676.187
61	515283		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	553.442
62	515284		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	902.618
63	515285		259108 (100%)	Mineral	Claim	092L	2005/JUN/25	2019/DEC/11	GOOD	102.424
64	515313		259108 (100%)	Mineral	Claim	092L	2005/JUN/26	2019/DEC/11	GOOD	163.85
65	515593		259108 (100%)	Mineral	Claim	092L	2005/JUN/30	2019/DEC/11	GOOD	656.144
66	515594		259108 (100%)	Mineral	Claim	092L	2005/JUN/30	2019/DEC/11	GOOD	164.031
67	515595		259108 (100%)	Mineral	Claim	092L	2005/JUN/30	2019/DEC/11	GOOD	615.08
68	515596		259108 (100%)	Mineral	Claim	092L	2005/JUN/30	2019/DEC/11	GOOD	451.075
69	516074		259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	553.632
70	516075		259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	102.382
71	516076		259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	245.871
72	516077		259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	389.645

73	516078		259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	286.991
74	516079	QUATSE LAKE TOO	259108 (100%)	Mineral	Claim	092L	2005/JUL/05	2019/DEC/11	GOOD	143.488
75	516081		259108 (100%)	Mineral	Claim	102I	2005/JUL/05	2019/DEC/11	GOOD	491.182
76	516527		259108 (100%)	Mineral	Claim	092L	2005/JUL/09	2019/DEC/11	GOOD	163.942
77	516529	APPLE BAY 9PLUS	259108 (100%)	Mineral	Claim	092L	2005/JUL/09	2019/DEC/11	GOOD	20.49
78	516930	NORTH RG	259108 (100%)	Mineral	Claim	092L	2005/JUL/11	2019/DEC/11	GOOD	204.535
79	517055	NEW 402513	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	143.2
80	517076	NEW RD	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	20.462
81	517123	RD NORTHEAST	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	204.601
82	517213	HOLBERG	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	143.523
83	517236	NUMMMIS	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	41.018
84	517541	APPLE BAY TEN	259108 (100%)	Mineral	Claim	092L	2005/JUL/12	2019/DEC/11	GOOD	20.508
85	525702	HUSHAMU NORTHEAST	259108 (100%)	Mineral	Claim	092L	2006/JAN/17	2019/DEC/11	GOOD	307.117
86	512952		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2019/JAN/13	GOOD	81.972
87	512963		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2019/JAN/13	GOOD	81.972
88	512964		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2019/JAN/13	GOOD	81.971
89	512967		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2019/JAN/13	GOOD	61.478
90	512968		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2019/JAN/13	GOOD	61.471
91	512980		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.933
92	512983		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.948
93	512984		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.969
94	512986		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.96
95	512988		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.961
96	512989		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.48
97	512990		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.964
98	512993		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.969
99	512994		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.957
100	512996		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.957
101	512999		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.973
102	513013		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.967
103	513026		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.486
104	513053		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	61.439
105	513060		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.964
106	513062		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.97
107	513065		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	61.458
108	513066		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.487
109	513067		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.957
110	513068		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.965
111	513071		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.951
112	513075		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	61.443
113	513076		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.961
114	513077		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.48
115	513078		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.934
116	513080		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.487
117	513082		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.957
118	513086		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.479
119	513087		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.953
120	513089		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.953
121	513090		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.957
122	513092		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.95
123	513093		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.896
124	513094		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	81.881
125	513104		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	20.471
126	513108		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	40.962
127	513109		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2019/JAN/13	GOOD	184.29
128	513172		259108 (100%)	Mineral	Claim	092L	2005/MAY/21	2019/JAN/13	GOOD	40.981
129	232310	DON 13 FR.	259108 (100%)	Mineral	Claim	092L	1969/NOV/21	2019/MAR/11	GOOD	25.0
130	512122	FILL 25	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/APR/01	GOOD	245.745
131	518531		259108 (100%)	Mineral	Claim	092L	2005/JUL/29	2020/APR/01	GOOD	511.762
132	512085	FILL 1	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	511.669
133	512087	FILL 2	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	511.897
134	512088	FILL 3	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	143.38
135	512089	FILL 4	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	511.951
136	512091	FILL 5	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	511.956
137	512092	FILL 6	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	512.075
138	512093	FILL 7	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	512.204
139	512094	FILL 8	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	512.233
140	512105	FILL 14	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	328.072
141	512107	FILL 15	259108 (100%)	Mineral	Claim	092L	2005/MAY/05	2020/DEC/01	GOOD	61.509
142	231672	HEP #59	259108 (100%)	Mineral	Claim	092L	1966/SEP/20	2020/DEC/11	GOOD	25.0
143	231933	EXPO 190	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
144	231934	EXPO 191	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
145	231961	EXPO 218	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
146	231963	EXPO 220	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
147	231965	EXPO 222	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
148	231966	EXPO 223	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0
149	231968	EXPO 225	259108 (100%)	Mineral	Claim	092L	1967/OCT/10	2020/DEC/11	GOOD	25.0

150	231980	EXPO 227	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
151	231982	EXPO 229	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
152	231984	EXPO 231	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
153	231990	EXPO 237	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
154	231991	EXPO 238	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
155	231997	EXPO 244	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
156	232000	EXPO 247	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
157	232001	EXPO 248	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
158	232002	EXPO 249	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
159	232004	EXPO 251	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
160	232005	EXPO 252	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
161	232006	EXPO 253	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
162	232007	EXPO 254	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
163	232008	EXPO 255	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
164	232011	EXPO 258	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
165	232015	EXPO 262	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
166	232017	EXPO 264	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
167	232019	EXPO 266	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
168	232020	EXPO 267	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
169	232021	EXPO 268	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
170	232022	EXPO 269	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
171	232024	EXPO 271	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
172	232025	EXPO 272	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
173	232026	EXPO 273	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
174	232027	EXPO 274	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
175	232028	EXPO 275	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
176	232030	EXPO 278	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
177	232037	EXPO 285	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
178	232041	EXPO 289	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
179	232044	EXPO 292	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
180	232045	EXPO 293	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
181	232046	EXPO 294	259108 (100%)	Mineral	Claim	092L	1967/OCT/19	2020/DEC/11	GOOD	25.0
182	232105	EXPO 312	259108 (100%)	Mineral	Claim	092L	1967/NOV/13	2020/DEC/11	GOOD	25.0
183	232107	EXPO 314	259108 (100%)	Mineral	Claim	092L	1967/NOV/13	2020/DEC/11	GOOD	25.0
184	232220	EXPO 326	259108 (100%)	Mineral	Claim	092L	1967/DEC/18	2020/DEC/11	GOOD	25.0
185	232228	EXPO 504 FR	259108 (100%)	Mineral	Claim	092L	1967/DEC/18	2020/DEC/11	GOOD	25.0
186	232275	EXPO 1008 FR	259108 (100%)	Mineral	Claim	092L	1968/DEC/05	2020/DEC/11	GOOD	25.0
187	232276	EXPO 1011 FR	259108 (100%)	Mineral	Claim	092L	1968/DEC/05	2020/DEC/11	GOOD	25.0
188	232277	EXPO 1012 FR	259108 (100%)	Mineral	Claim	092L	1968/DEC/05	2020/DEC/11	GOOD	25.0
189	512966		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2020/JAN/12	GOOD	61.479
190	512972		259108 (100%)	Mineral	Claim	092L	2005/MAY/18	2020/JAN/12	GOOD	81.949
191	513006		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2020/JAN/12	GOOD	20.49
192	513057		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2020/JAN/12	GOOD	40.957
193	513072		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2020/JAN/12	GOOD	81.934
194	513091		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2020/JAN/12	GOOD	61.432
195	513107		259108 (100%)	Mineral	Claim	092L	2005/MAY/19	2020/JAN/12	GOOD	40.948
196	1019755		259108 (100%)	Mineral	Claim	092L	2013/MAY/24	2020/OCT/11	GOOD	81.8475
197	231684	RED DOG 5	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
198	231685	RED DOG 6	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
199	231686	RED DOG 7	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
200	231687	RED DOG 8	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
201	231688	RED DOG 9	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
202	231689	RED DOG 10	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
203	231690	RED DOG 11	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
204	231691	RED DOG 12	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2026/MAY/23	GOOD	25.0
205	231703	RED DOG 14	259108 (100%)	Mineral	Claim	092L	1967/MAY/23	2026/MAY/23	GOOD	25.0
206	231704	RED DOG FR.	259108 (100%)	Mineral	Claim	092L	1967/MAY/23	2026/MAY/23	GOOD	25.0
207	232212	RED DOG 29 FR	259108 (100%)	Mineral	Claim	092L	1967/DEC/01	2026/MAY/23	GOOD	25.0
208	232271	RED DOG 13 FR.	259108 (100%)	Mineral	Claim	092L	1968/JUN/17	2026/MAY/23	GOOD	25.0
209	231680	RED DOG 1	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2027/MAY/23	GOOD	25.0
210	231681	RED DOG 2	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2027/MAY/23	GOOD	25.0
211	231682	RED DOG 3	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2027/MAY/23	GOOD	25.0
212	231683	RED DOG 4	259108 (100%)	Mineral	Claim	092L	1966/DEC/13	2027/MAY/23	GOOD	25.0



# Appendix IV

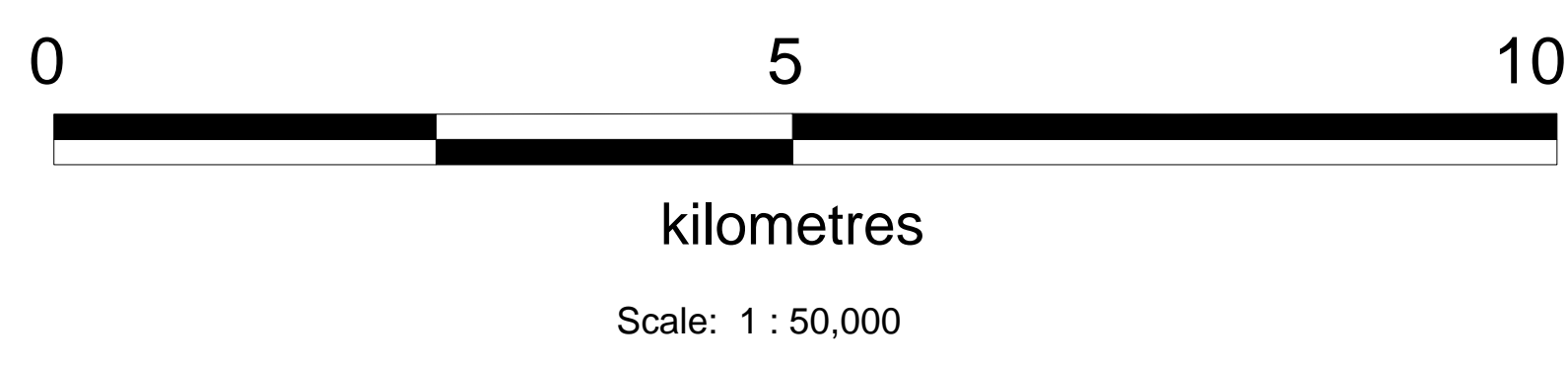
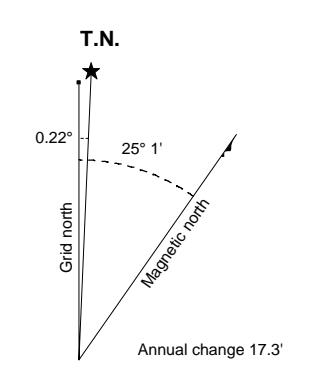
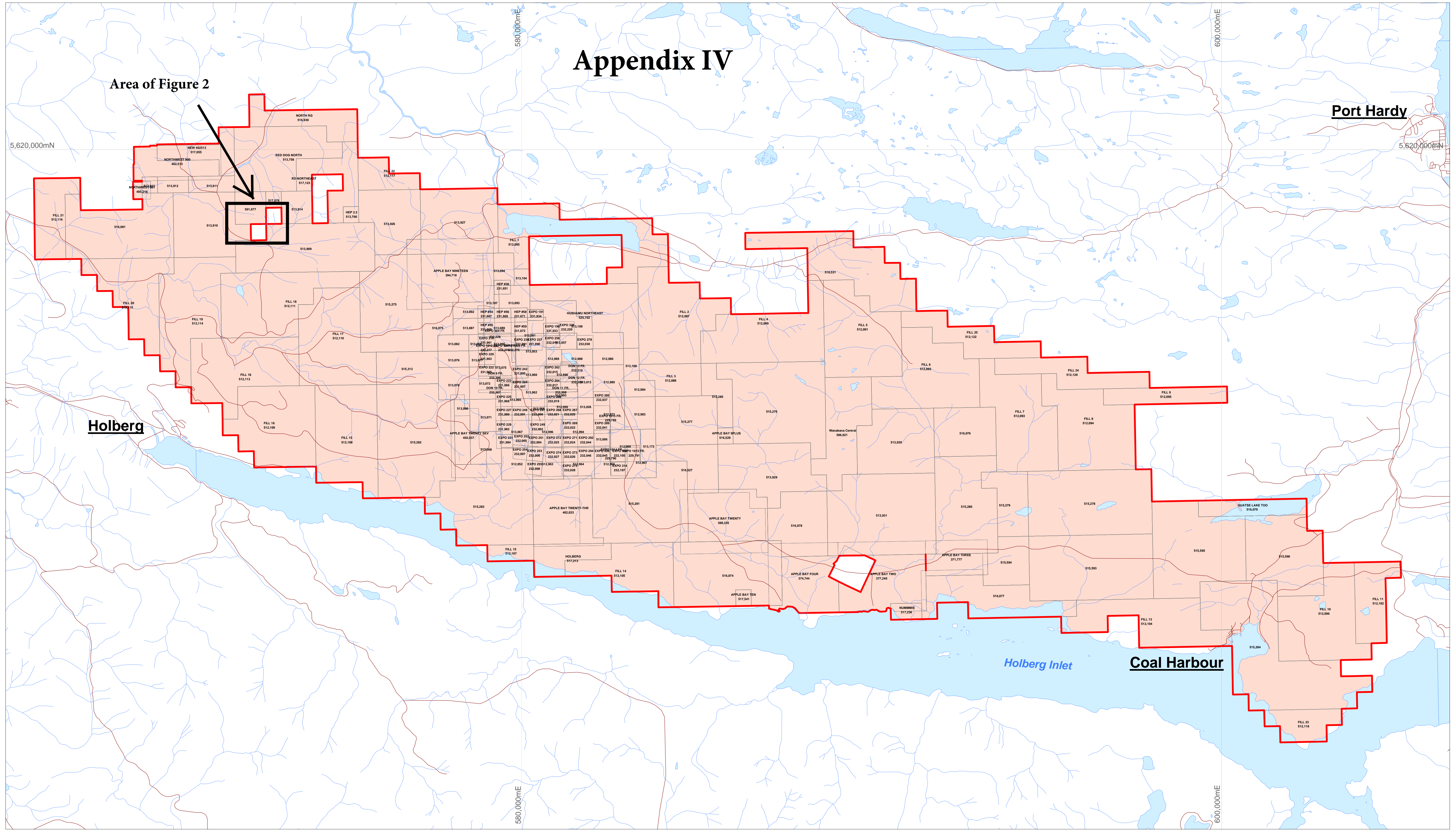


Figure 2a

Northisle Copper and Gold Inc.
Island Copper Project
ISLAND COPPER WEST BLOCK CLAIM MAP
DATE: February 2012

## **APPENDIX V: Assay Certificates**



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: June 13, 2017  
Report Date: June 22, 2017  
Page: 1 of 5

# CERTIFICATE OF ANALYSIS

VAN17001139.1

## CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 100

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	94	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
FA350-Au	100	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	100	Environmental disposal charge-Fire assay lead waste			VAN
MA200	100	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

## ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: June 22, 2017

Page: 2 of 5

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

## VAN17001139.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254097	Drill Core	5.94	12	6.0	12.2	4.0	11	<0.1	16.7	28.1	18	5.16	2	0.6	1.3	166	0.3	0.2	1.4	188	0.07
N254098	Drill Core	2.40	14	2.8	16.4	4.5	15	<0.1	12.2	24.1	29	6.32	3	0.6	1.0	111	0.2	0.2	1.8	200	0.06
N254099	Rock Pulp	0.06	195	384.8	1911.3	25.8	61	13.3	15.5	9.5	772	3.66	13	1.2	1.8	410	0.9	33.8	2.0	86	2.77
N254100	Drill Core	2.48	15	0.6	11.8	3.6	21	<0.1	10.4	17.6	47	4.72	3	0.6	0.5	76	0.1	0.2	1.4	203	0.07
N254101	Drill Core	3.35	5	2.5	19.1	7.1	11	<0.1	8.7	25.2	16	5.66	10	0.4	1.1	251	0.1	0.4	1.0	208	0.10
N254102	Drill Core	3.31	7	5.1	23.2	4.6	13	<0.1	17.9	29.7	16	6.91	5	0.4	1.4	212	0.1	0.3	1.0	183	0.08
N254103	Drill Core	4.27	14	0.9	51.9	3.0	19	<0.1	17.0	33.7	47	7.50	7	0.3	0.4	127	0.3	0.3	2.0	240	0.06
N254104	Drill Core	5.66	15	2.1	53.0	4.4	15	<0.1	17.2	34.4	36	8.23	6	0.3	0.4	122	0.4	0.3	2.3	224	0.06
N254105	Drill Core	3.22	15	0.6	73.7	2.4	16	<0.1	11.2	23.1	33	5.38	18	0.4	0.6	97	0.2	0.4	1.8	205	0.06
N254106	Drill Core	2.42	8	6.5	10.8	2.5	16	<0.1	6.8	11.0	30	2.52	3	0.4	0.8	154	0.3	0.4	1.0	202	0.06
N254107	Drill Core	2.24	5	13.3	17.7	3.9	10	<0.1	4.9	6.9	11	0.70	1	0.3	1.2	294	0.4	0.4	0.4	120	0.07
N254108	Drill Core	4.29	12	2.3	17.0	5.5	13	<0.1	19.1	33.8	19	6.17	7	0.3	0.7	219	0.3	0.3	1.4	275	0.10
N254110	Drill Core	4.36	17	13.7	19.8	5.5	12	<0.1	17.1	42.6	22	8.86	4	0.3	0.6	205	0.3	0.2	2.6	217	0.10
N254111	Drill Core	3.25	36	5.5	33.2	2.0	19	<0.1	15.2	35.4	38	7.22	<1	0.2	0.3	105	0.5	0.2	2.1	231	0.18
N254112	Drill Core	5.12	9	2.6	93.0	3.3	22	<0.1	16.4	33.8	29	7.14	1	0.3	0.4	187	0.7	0.4	2.2	233	0.17
N254113	Rock	1.59	<2	0.1	0.9	0.2	<1	<0.1	<0.1	<0.2	31	0.03	<1	1.4	<0.1	4510	<0.1	<0.1	<0.1	<1	35.68
N254114	Drill Core	2.05	12	2.3	68.2	3.5	18	<0.1	15.9	36.4	24	6.26	1	0.3	0.4	224	1.9	0.3	1.6	238	0.15
N254115	Drill Core	5.13	18	7.4	259.0	18.3	82	0.1	5.6	16.3	140	3.47	3	1.6	2.8	113	0.9	0.1	1.6	82	0.37
N254116	Drill Core	7.34	20	4.1	231.6	29.7	111	<0.1	5.5	13.4	267	3.67	2	1.8	2.9	104	0.8	0.1	2.0	90	0.44
N254117	Drill Core	4.56	64	18.1	485.7	11.9	110	0.1	4.5	9.2	70	3.44	3	1.6	3.6	34	0.5	0.1	0.8	76	0.26
N254119	Drill Core	8.20	163	128.1	1340.5	11.9	122	0.2	9.1	21.8	80	4.82	1	0.9	3.6	32	0.6	0.4	0.5	87	0.18
N254120	Drill Core	7.09	153	77.8	1214.7	9.2	262	0.4	4.9	22.9	35	4.03	3	1.0	3.9	51	0.8	0.4	0.4	82	0.13
N254121	Drill Core	3.22	44	30.0	112.3	15.9	18	<0.1	4.8	8.7	14	1.56	3	1.3	5.8	221	0.4	0.7	0.3	69	0.07
N254122	Drill Core	7.24	65	13.8	277.7	12.8	16	<0.1	6.5	17.4	19	2.60	6	1.6	5.5	110	0.2	0.9	0.6	72	0.07
N254123	Drill Core	5.08	37	11.0	292.4	4.0	20	<0.1	4.8	11.7	20	3.34	<1	1.7	3.2	23	0.2	0.3	1.0	73	0.08
N254124	Drill Core	4.80	33	11.6	294.8	3.6	22	<0.1	6.2	16.8	19	3.30	<1	1.7	2.4	26	0.2	0.3	0.7	84	0.10
N254125	Rock Pulp	0.06	619	344.2	4045.8	29.1	112	16.1	25.7	67.8	1452	4.81	1926	2.3	1.4	456	1.3	46.3	15.0	61	5.92
N254126	Drill Core	5.04	32	15.6	261.0	4.9	36	<0.1	8.0	17.3	22	3.90	<1	1.8	2.5	43	0.2	0.5	0.9	94	0.10
N254127	Drill Core	6.76	57	25.8	103.0	6.9	26	<0.1	5.8	17.5	22	6.06	8	1.6	3.1	67	0.2	0.7	1.1	78	0.10
N254128	Drill Core	6.91	49	44.5	334.8	6.4	37	<0.1	5.6	15.9	27	5.50	5	1.4	2.7	67	0.2	1.0	0.9	79	0.12



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: June 22, 2017

Page: 2 of 5

Part: 2 of 3

# CERTIFICATE OF ANALYSIS

## VAN17001139.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1
N254097	Drill Core	0.060	3.8	8	0.42	46	0.212	8.16	0.111	1.73	0.3	29.6	10	7.9	6.5	2.0	0.1	<1	18	1.6	5.6	
N254098	Drill Core	0.046	3.3	5	0.96	35	0.131	7.22	0.071	0.83	0.2	26.8	8	6.3	5.0	1.1	<0.1	<1	22	4.0	6.7	
N254099	Rock Pulp	0.052	7.5	19	0.89	723	0.214	6.78	2.268	1.86	1.8	9.1	17	3.0	11.4	2.7	0.2	<1	9	8.0	0.3	
N254100	Drill Core	0.055	1.2	5	1.67	50	0.154	6.83	0.050	0.91	0.2	41.0	3	4.9	1.9	1.2	<0.1	<1	20	6.0	5.0	
N254101	Drill Core	0.083	5.7	9	0.04	52	0.268	6.77	0.054	0.52	0.3	18.9	13	4.9	5.9	1.6	0.1	<1	17	0.7	5.9	
N254102	Drill Core	0.071	6.1	10	0.07	46	0.102	7.07	0.063	0.21	0.3	19.4	14	8.0	4.2	0.9	<0.1	<1	15	0.7	7.1	
N254103	Drill Core	0.064	1.8	7	1.21	28	0.167	7.81	0.049	0.68	0.1	13.2	5	3.6	2.4	0.9	<0.1	<1	25	7.0	8.0	
N254104	Drill Core	0.053	1.8	6	0.98	26	0.181	7.40	0.042	0.45	0.3	11.2	5	3.9	2.5	0.9	<0.1	<1	22	7.3	8.5	
N254105	Drill Core	0.043	3.4	6	1.30	56	0.152	7.77	0.059	0.84	0.2	17.6	9	5.4	3.6	1.0	<0.1	<1	21	5.9	5.7	
N254106	Drill Core	0.063	3.0	10	1.07	113	0.256	7.67	0.085	0.98	0.3	16.4	8	8.1	2.7	2.0	0.1	<1	17	4.5	2.7	
N254107	Drill Core	0.080	4.2	16	0.04	65	0.259	7.50	0.095	0.24	0.3	15.6	9	8.0	2.4	1.7	0.1	<1	6	0.9	0.7	
N254108	Drill Core	0.072	3.7	6	0.53	49	0.174	8.04	0.117	0.83	0.4	12.8	9	14.5	5.8	1.0	<0.1	<1	29	2.2	6.7	
N254110	Drill Core	0.074	3.8	7	0.69	25	0.146	7.52	0.060	1.11	0.3	11.0	10	5.2	6.2	0.9	<0.1	<1	22	2.3	9.3	
N254111	Drill Core	0.058	1.5	6	1.34	32	0.129	7.67	0.045	0.50	0.5	12.3	4	4.3	2.7	0.6	<0.1	<1	25	5.7	7.9	
N254112	Drill Core	0.111	2.7	7	1.23	28	0.135	7.28	0.049	0.75	0.2	8.5	7	4.2	3.6	0.6	<0.1	<1	25	6.3	7.6	
N254113	Rock	0.005	0.6	2	1.94	4	<0.001	0.03	0.005	<0.01	<0.1	0.4	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.2	<0.1	
N254114	Drill Core	0.103	1.7	7	1.09	42	0.169	7.47	0.038	0.36	0.6	8.5	5	3.6	2.2	0.7	<0.1	<1	20	7.8	6.8	
N254115	Drill Core	0.050	4.7	4	1.32	34	0.104	6.69	0.113	1.18	0.4	53.1	10	3.8	4.0	1.6	0.1	2	10	6.3	3.3	
N254116	Drill Core	0.042	5.7	3	1.76	46	0.116	6.55	0.113	1.33	0.3	52.6	14	5.2	7.1	1.8	0.2	2	11	5.3	2.8	
N254117	Drill Core	0.050	9.2	3	0.74	101	0.087	6.21	0.088	0.83	0.3	49.3	18	9.3	4.9	1.4	0.1	1	8	3.1	2.9	
N254119	Drill Core	0.049	8.4	3	0.66	54	0.070	5.49	0.040	0.29	0.7	27.9	18	7.4	6.9	0.9	0.1	<1	10	4.1	4.0	
N254120	Drill Core	0.044	7.8	4	0.10	54	0.138	6.10	0.053	0.66	2.6	36.9	14	4.9	6.8	2.5	0.2	<1	8	1.9	4.1	
N254121	Drill Core	0.051	19.6	4	0.01	80	0.079	5.89	0.034	0.03	1.2	60.1	37	6.2	3.5	1.5	0.1	<1	9	2.5	1.7	
N254122	Drill Core	0.035	16.6	4	0.12	121	0.056	6.23	0.035	0.29	0.5	60.3	31	8.6	4.0	1.1	<0.1	<1	11	2.0	2.8	
N254123	Drill Core	0.033	6.0	4	1.28	23	0.058	6.11	0.032	1.96	0.5	54.9	13	5.1	4.1	0.9	<0.1	1	9	3.4	3.5	
N254124	Drill Core	0.045	2.9	3	1.27	27	0.051	5.97	0.030	1.83	0.4	57.3	7	6.9	2.9	0.7	<0.1	<1	11	3.3	3.4	
N254125	Rock Pulp	0.065	16.8	34	0.81	725	0.151	6.01	1.775	1.63	4.8	21.8	24	3.2	9.2	1.8	0.1	1	6	12.5	0.7	
N254126	Drill Core	0.048	4.6	3	1.33	42	0.055	5.97	0.031	1.38	0.5	60.5	11	6.9	5.2	0.8	<0.1	<1	15	2.8	4.2	
N254127	Drill Core	0.040	7.6	4	0.68	28	0.063	6.33	0.038	1.17	0.6	56.3	16	6.8	6.2	1.0	<0.1	<1	11	4.0	6.3	
N254128	Drill Core	0.039	4.4	4	1.10	24	0.061	5.36	0.031	1.61	1.0	46.6	10	4.1	3.9	0.9	<0.1	<1	10	3.9	5.9	



**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254097	Drill Core	35.7	0.9	0.09	0.074	5	0.7	0.8
N254098	Drill Core	13.5	0.8	0.07	0.041	5	1.1	<0.5
N254099	Rock Pulp	30.1	0.5	<0.05	0.386	3	0.9	<0.5
N254100	Drill Core	4.6	1.2	0.12	0.023	4	1.2	0.7
N254101	Drill Core	10.3	0.6	0.07	0.019	4	<0.5	<0.5
N254102	Drill Core	4.2	0.5	<0.05	0.023	4	0.6	<0.5
N254103	Drill Core	4.8	0.4	0.11	0.022	5	1.0	0.5
N254104	Drill Core	3.2	0.3	<0.05	0.020	6	0.8	<0.5
N254105	Drill Core	8.1	0.5	0.11	0.035	4	1.4	0.5
N254106	Drill Core	12.4	0.5	0.08	0.069	2	0.5	0.6
N254107	Drill Core	4.3	0.4	<0.05	0.107	2	<0.5	<0.5
N254108	Drill Core	13.6	0.4	0.07	0.056	6	<0.5	<0.5
N254110	Drill Core	20.1	0.4	0.11	0.106	5	0.9	0.6
N254111	Drill Core	1.9	0.5	0.11	0.200	7	1.0	<0.5
N254112	Drill Core	7.7	0.3	0.11	0.140	5	<0.5	<0.5
N254113	Rock	<0.1	<0.1	<0.05	<0.005	2	0.7	<0.5
N254114	Drill Core	1.5	0.3	0.07	0.132	5	<0.5	<0.5
N254115	Drill Core	16.5	1.6	0.20	0.052	8	<0.5	1.2
N254116	Drill Core	17.7	1.6	0.28	0.015	6	<0.5	1.6
N254117	Drill Core	15.7	1.7	0.32	0.074	7	<0.5	1.1
N254119	Drill Core	4.3	1.0	0.16	0.820	22	1.4	0.5
N254120	Drill Core	18.7	1.2	0.23	0.454	8	1.2	0.6
N254121	Drill Core	0.9	1.7	0.07	0.102	6	<0.5	<0.5
N254122	Drill Core	5.8	2.0	0.09	0.089	7	<0.5	<0.5
N254123	Drill Core	31.9	1.7	0.15	0.119	8	<0.5	1.5
N254124	Drill Core	21.7	1.8	0.17	0.126	8	<0.5	1.7
N254125	Rock Pulp	38.1	0.7	0.20	0.333	4	3.0	<0.5
N254126	Drill Core	18.4	1.9	0.11	0.117	13	<0.5	1.2
N254127	Drill Core	21.5	1.5	0.08	0.084	14	0.8	1.0
N254128	Drill Core	30.2	1.5	0.13	0.383	12	0.5	1.2



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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001139.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254129	Drill Core	6.97	36	28.2	176.3	5.7	29	<0.1	5.2	17.3	27	6.05	4	1.5	2.5	50	0.3	0.7	1.0	102	0.14
N254130	Drill Core	6.29	53	10.9	315.5	5.5	35	<0.1	4.4	12.8	38	4.89	4	1.5	2.9	35	0.2	0.6	1.4	81	0.51
N254131	Drill Core	7.21	25	4.7	238.7	3.4	35	<0.1	3.4	9.4	34	3.35	<1	1.4	3.7	50	0.1	0.4	0.7	75	1.58
N254132	Rock	2.43	<2	<0.1	1.0	0.2	2	<0.1	<0.1	0.4	37	0.05	<1	1.6	<0.1	4827	<0.1	<0.1	<0.1	1	36.23
N254133	Drill Core	7.68	28	9.2	340.1	3.6	29	<0.1	3.8	12.4	29	3.31	<1	1.5	3.6	50	<0.1	0.3	0.8	68	1.30
N254134	Drill Core	8.22	30	12.5	350.1	4.0	26	<0.1	3.4	6.9	29	3.00	<1	1.1	2.7	62	0.1	0.2	1.0	71	1.94
N254135	Drill Core	8.75	32	5.3	278.7	4.9	27	<0.1	2.9	7.3	27	2.74	<1	1.3	3.2	42	0.1	0.2	0.8	69	1.17
N254136	Drill Core	7.73	36	11.6	73.6	5.1	30	<0.1	3.9	9.5	26	3.91	3	1.2	2.9	56	0.1	0.2	0.8	73	1.66
N254137	Drill Core	8.60	171	24.0	1662.8	2.7	36	<0.1	12.5	20.0	126	8.55	<1	0.5	1.5	82	<0.1	0.1	1.1	135	1.46
N254138	Drill Core	7.77	156	23.6	940.0	4.1	21	<0.1	13.7	26.0	68	9.80	9	0.5	1.8	59	<0.1	0.3	1.8	99	2.10
N254139	Drill Core	8.76	114	40.6	702.8	4.5	21	<0.1	10.7	19.4	47	8.71	8	0.5	2.0	79	<0.1	0.2	1.9	88	1.49
N254140	Drill Core	8.64	113	25.4	490.6	5.2	20	<0.1	8.9	17.8	37	7.90	13	0.9	2.3	64	0.1	0.3	1.8	91	1.99
N254141	Drill Core	7.72	53	17.2	397.2	3.4	22	<0.1	4.2	13.0	46	5.06	4	0.8	2.9	73	<0.1	0.3	1.2	59	1.65
N254142	Drill Core	4.11	56	19.6	360.6	3.4	16	<0.1	4.3	13.6	34	4.60	2	0.7	2.9	87	<0.1	0.2	1.1	63	2.72
N254144	Drill Core	8.25	67	14.8	731.2	3.7	19	<0.1	4.2	11.4	34	4.19	<1	1.0	2.8	68	<0.1	0.2	1.2	67	1.77
N254145	Drill Core	7.70	66	19.4	749.8	4.7	23	<0.1	4.8	12.8	30	4.23	2	0.8	2.9	88	<0.1	0.2	1.4	73	2.25
N254146	Drill Core	8.56	88	25.5	753.2	4.8	23	<0.1	12.2	17.9	42	5.38	<1	0.8	2.1	88	<0.1	0.2	1.7	114	1.85
N254147	Drill Core	8.15	85	20.0	693.9	3.5	23	<0.1	11.8	14.0	37	5.18	4	0.9	2.0	90	0.1	0.3	1.4	97	0.86
N254148	Drill Core	7.96	103	22.2	1142.9	3.0	19	0.1	10.0	17.2	49	4.26	2	1.0	3.0	60	<0.1	0.3	1.2	89	0.89
N254149	Rock Pulp	0.06	188	386.6	1900.4	26.1	59	13.1	15.5	10.7	706	3.59	13	1.1	1.9	405	0.3	34.7	2.2	86	2.71
N254150	Drill Core	8.59	146	34.6	1243.1	3.8	54	0.2	17.6	25.5	184	7.64	4	0.6	1.6	89	<0.1	0.4	1.2	166	1.57
N254151	Drill Core	8.30	208	33.2	968.8	3.7	49	0.2	17.5	12.6	157	7.24	1	0.4	1.3	140	0.1	0.3	1.2	127	2.75
N254152	Drill Core	8.22	207	31.0	1712.5	6.5	48	0.2	23.3	14.8	62	6.41	4	0.5	1.1	110	<0.1	0.6	1.9	151	3.02
N254153	Drill Core	8.23	220	29.9	1260.5	6.1	19	0.1	22.4	15.6	36	5.72	1	0.4	1.4	94	<0.1	0.4	1.3	141	2.62
N254154	Drill Core	8.54	98	38.2	1175.3	4.9	10	<0.1	15.2	13.7	18	4.95	1	0.5	1.4	121	<0.1	0.3	1.4	146	3.23
N254213	Rock Pulp	0.06	668	334.3	4034.4	29.3	115	16.3	25.1	77.9	1452	4.82	1777	2.4	1.6	472	0.9	46.8	15.3	60	5.95
N254155	Drill Core	8.35	39	87.5	61.9	3.5	16	<0.1	11.6	8.6	17	3.55	2	0.3	1.6	169	<0.1	0.2	0.4	116	3.65
N254156	Drill Core	8.45	110	97.4	722.2	4.5	19	<0.1	26.9	11.1	28	4.20	1	0.4	1.3	163	<0.1	0.4	1.1	157	4.66
N254157	Drill Core	7.60	66	60.3	874.3	7.2	42	<0.1	13.4	15.8	69	3.23	2	0.6	2.0	220	0.2	0.5	1.2	111	3.72
N254158	Drill Core	8.06	34	22.1	406.5	5.6	36	<0.1	14.8	21.4	207	4.01	3	0.5	1.2	200	0.1	0.2	0.4	143	4.14



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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001139.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254129	Drill Core	0.042	3.8	4	1.09	20	0.080	6.01	0.040	2.14	1.0	54.6	9	5.3	6.3	1.0	<0.1	<1	12	4.6	6.5
N254130	Drill Core	0.039	7.2	4	1.34	33	0.049	5.72	0.036	1.58	0.7	54.0	15	6.1	5.1	0.7	<0.1	<1	8	4.2	5.3
N254131	Drill Core	0.037	7.7	4	1.60	51	0.056	6.57	0.031	1.56	0.5	56.1	16	3.8	4.5	0.8	<0.1	1	10	4.0	4.6
N254132	Rock	0.004	0.6	1	2.08	11	0.003	0.09	0.018	0.01	<0.1	0.4	<1	0.1	0.3	<0.1	<0.1	<1	<1	0.2	<0.1
N254133	Drill Core	0.030	6.6	3	1.62	51	0.046	5.92	0.029	1.35	0.4	48.7	14	4.5	3.3	0.6	<0.1	<1	8	2.7	4.6
N254134	Drill Core	0.040	5.1	5	1.25	55	0.068	5.57	0.032	1.34	0.7	44.1	11	4.4	3.8	1.0	<0.1	<1	8	3.1	4.7
N254135	Drill Core	0.036	5.6	2	1.32	61	0.061	5.38	0.031	1.53	0.4	43.1	12	5.1	3.2	0.9	<0.1	<1	8	2.3	3.9
N254136	Drill Core	0.036	5.5	4	1.10	43	0.062	5.40	0.034	1.14	0.8	42.7	12	4.4	3.8	0.9	<0.1	1	9	3.2	5.7
N254137	Drill Core	0.062	4.0	17	2.02	40	0.091	5.45	0.049	1.43	0.1	20.5	11	6.6	4.1	0.8	<0.1	<1	12	4.0	7.2
N254138	Drill Core	0.072	4.3	12	1.45	20	0.075	4.43	0.026	0.74	0.3	13.9	11	5.7	5.7	1.0	<0.1	<1	12	2.3	>10
N254139	Drill Core	0.044	4.5	13	0.83	26	0.057	5.00	0.046	1.41	0.4	19.5	11	4.2	6.4	0.7	<0.1	<1	11	3.3	>10
N254140	Drill Core	0.038	5.9	8	0.67	27	0.079	4.65	0.047	1.23	0.5	26.9	13	5.6	5.5	1.0	<0.1	<1	9	2.6	10.0
N254141	Drill Core	0.033	6.3	3	0.73	32	0.053	4.58	0.056	1.25	0.3	26.3	13	3.8	4.1	0.7	<0.1	<1	7	2.3	6.4
N254142	Drill Core	0.037	6.8	4	0.60	36	0.064	5.08	0.059	1.44	0.3	32.1	15	5.0	3.8	0.9	<0.1	<1	8	1.9	6.9
N254144	Drill Core	0.034	5.3	2	0.96	39	0.088	5.02	0.061	1.49	0.2	36.5	11	4.9	3.6	1.2	0.1	<1	8	2.6	5.8
N254145	Drill Core	0.035	5.8	5	0.98	43	0.101	5.51	0.063	1.34	0.3	34.3	13	5.2	3.4	1.4	0.1	<1	9	3.2	6.2
N254146	Drill Core	0.056	5.4	13	1.10	39	0.129	5.48	0.091	1.45	0.4	29.6	14	5.4	4.7	1.4	<0.1	<1	12	3.2	7.1
N254147	Drill Core	0.055	4.8	17	1.51	40	0.116	5.28	0.061	1.31	0.4	32.1	11	3.2	4.4	1.3	<0.1	<1	10	5.1	6.1
N254148	Drill Core	0.062	7.8	13	1.33	32	0.103	6.60	0.079	1.90	0.4	30.3	20	5.6	5.1	1.1	<0.1	1	10	4.9	5.0
N254149	Rock Pulp	0.054	7.1	20	0.88	729	0.211	6.80	2.289	1.82	1.5	9.6	16	3.1	10.9	2.5	0.2	<1	9	9.4	0.3
N254150	Drill Core	0.091	5.2	30	2.08	68	0.192	6.37	0.089	1.15	0.4	21.1	13	5.1	7.2	1.9	0.1	<1	16	5.7	4.3
N254151	Drill Core	0.072	3.9	23	1.73	62	0.170	5.59	0.097	0.96	0.5	21.3	10	5.0	5.8	1.9	0.1	<1	13	5.3	7.0
N254152	Drill Core	0.081	5.6	46	1.15	44	0.141	5.75	0.155	1.09	0.4	20.4	15	6.7	5.5	0.9	<0.1	<1	16	5.1	8.6
N254153	Drill Core	0.081	5.0	13	0.89	42	0.125	5.54	0.120	0.87	0.2	22.1	12	6.9	4.8	0.9	<0.1	<1	14	3.9	7.9
N254154	Drill Core	0.098	7.0	16	0.13	60	0.081	5.93	0.096	0.41	0.2	28.0	16	9.2	5.6	0.7	<0.1	<1	13	2.0	7.9
N254213	Rock Pulp	0.065	17.5	35	0.81	734	0.157	6.05	1.780	1.58	3.9	21.1	26	3.4	10.1	1.7	<0.1	<1	6	12.1	0.7
N254155	Drill Core	0.079	8.3	34	0.15	30	0.055	4.63	0.099	0.14	0.1	21.5	18	3.9	8.3	0.5	<0.1	<1	6	3.3	6.5
N254156	Drill Core	0.064	6.7	58	0.96	59	0.085	5.50	0.134	0.27	0.1	23.2	15	10.0	8.8	0.7	<0.1	<1	15	4.0	7.9
N254157	Drill Core	0.079	12.4	39	1.58	59	0.104	7.73	0.219	1.26	0.2	28.1	26	9.4	11.8	0.8	<0.1	<1	14	4.3	5.4
N254158	Drill Core	0.090	9.8	14	2.12	71	0.212	6.91	0.246	1.37	0.2	23.3	21	5.5	10.1	1.2	<0.1	<1	13	1.9	4.8





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# CERTIFICATE OF ANALYSIS

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Method Analyte		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254129	Drill Core	40.1	1.6	0.15	0.350	12	<0.5	1.6
N254130	Drill Core	22.4	1.6	0.17	0.041	13	0.5	1.3
N254131	Drill Core	17.9	1.7	0.15	0.043	8	<0.5	1.2
N254132	Rock	0.5	<0.1	<0.05	<0.005	1	2.5	<0.5
N254133	Drill Core	13.8	1.5	0.11	0.083	8	0.7	1.1
N254134	Drill Core	11.4	1.4	0.14	0.066	7	<0.5	1.2
N254135	Drill Core	13.4	1.4	0.15	0.009	7	<0.5	1.1
N254136	Drill Core	14.5	1.5	0.10	0.066	12	<0.5	1.0
N254137	Drill Core	12.1	0.6	0.16	0.100	12	<0.5	1.3
N254138	Drill Core	10.7	0.4	0.12	0.089	20	0.8	0.6
N254139	Drill Core	24.0	0.6	0.15	0.166	18	0.9	1.1
N254140	Drill Core	20.1	0.8	0.19	0.067	12	1.2	1.0
N254141	Drill Core	19.8	0.8	0.12	0.030	7	0.8	0.9
N254142	Drill Core	17.1	1.0	0.08	0.069	10	0.8	0.9
N254144	Drill Core	15.1	1.0	0.09	0.046	11	0.8	1.0
N254145	Drill Core	15.1	1.0	0.11	0.056	11	1.4	1.0
N254146	Drill Core	17.7	0.9	0.14	0.134	14	1.9	1.0
N254147	Drill Core	15.6	1.0	0.17	0.124	13	1.4	0.9
N254148	Drill Core	33.4	1.0	0.23	0.153	8	0.8	1.4
N254149	Rock Pulp	30.6	0.5	<0.05	0.385	<1	1.3	<0.5
N254150	Drill Core	11.4	0.6	0.29	0.202	11	0.9	0.9
N254151	Drill Core	5.7	0.6	0.10	0.206	12	0.9	0.7
N254152	Drill Core	11.8	0.6	0.29	0.221	14	1.6	1.0
N254153	Drill Core	9.9	0.6	0.14	0.152	10	1.3	0.7
N254154	Drill Core	5.7	0.8	0.10	0.148	9	<0.5	<0.5
N254213	Rock Pulp	38.5	0.6	0.17	0.359	4	3.0	<0.5
N254155	Drill Core	1.8	0.6	<0.05	0.667	6	<0.5	<0.5
N254156	Drill Core	2.2	0.7	0.11	0.700	7	0.5	<0.5
N254157	Drill Core	24.8	0.7	0.28	0.472	9	0.9	1.2
N254158	Drill Core	15.3	0.6	0.13	0.134	5	<0.5	1.2



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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

# VAN17001139.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254159	Drill Core	7.94	41	42.3	339.6	7.1	36	<0.1	16.1	22.5	134	3.80	2	0.4	1.1	208	0.1	0.2	0.4	155	4.05
N254160	Drill Core	8.25	40	33.8	275.8	5.8	23	<0.1	14.7	19.6	116	3.22	4	0.5	1.2	397	<0.1	0.2	0.7	124	7.06
N254161	Rock	0.56	<2	<0.1	4.4	0.3	5	<0.1	0.3	<0.2	29	0.04	1	1.5	<0.1	4535	<0.1	<0.1	<0.1	<1	35.86
N254162	Drill Core	8.12	24	14.6	184.3	6.1	31	<0.1	18.4	30.3	119	4.82	3	0.4	0.7	252	0.2	0.2	0.6	173	3.79
N254163	Drill Core	7.94	12	0.9	82.6	5.8	33	<0.1	20.0	23.1	113	5.62	3	0.3	0.6	287	<0.1	0.1	0.7	174	3.60
N254164	Drill Core	8.50	13	1.0	144.2	6.7	39	<0.1	30.5	28.9	135	6.80	2	0.2	0.4	284	0.1	0.2	0.8	215	3.52
N254165	Drill Core	7.67	6	1.3	78.6	6.4	22	<0.1	20.7	29.9	56	6.20	5	0.2	0.5	302	0.1	0.3	1.0	186	4.25
N254166	Drill Core	8.26	15	0.6	231.1	6.8	35	<0.1	16.3	18.3	136	4.83	2	0.4	0.9	321	<0.1	0.3	1.6	184	2.22
N254167	Drill Core	8.48	9	0.7	93.8	21.6	64	<0.1	27.8	24.5	132	4.82	3	0.5	1.1	254	0.2	0.4	1.4	168	3.36
N254168	Drill Core	8.69	12	1.2	61.8	9.9	34	<0.1	22.2	35.3	101	6.90	3	0.3	0.7	297	0.3	0.3	1.7	189	3.52
N254169	Drill Core	4.31	5	0.9	19.6	7.1	28	<0.1	19.2	22.4	90	5.40	4	0.3	0.9	286	0.2	0.3	1.0	181	4.13
N254171	Drill Core	9.05	11	1.5	64.6	9.3	47	<0.1	19.9	25.3	195	5.97	4	0.3	0.7	299	<0.1	0.3	0.7	193	3.94
N254172	Drill Core	7.42	10	1.3	26.1	6.4	40	<0.1	22.2	24.5	135	5.27	2	0.3	0.5	289	<0.1	0.1	0.8	230	3.60
N254173	Drill Core	9.00	8	1.4	13.1	7.7	25	<0.1	25.0	27.6	75	7.12	<1	0.2	0.5	224	0.1	0.1	0.9	212	3.70
N254174	Drill Core	8.65	10	4.3	66.9	12.1	21	<0.1	21.3	26.1	70	5.95	1	0.3	0.7	272	<0.1	0.2	1.5	197	5.54
N254214	Rock	1.11	<2	<0.1	0.6	0.3	1	<0.1	0.6	0.4	30	0.03	<1	1.5	<0.1	4373	<0.1	<0.1	<0.1	<1	38.36
N254175	Drill Core	8.45	15	0.8	107.8	11.5	76	<0.1	21.4	15.5	255	5.89	2	0.4	0.9	284	<0.1	0.2	1.9	187	3.31
N254176	Drill Core	8.87	15	2.8	186.0	13.5	40	<0.1	20.7	31.4	132	7.49	3	0.4	0.9	307	0.2	0.2	2.4	173	4.01
N254177	Drill Core	9.16	7	1.7	25.3	7.2	29	<0.1	23.3	33.8	83	7.12	3	0.4	1.0	461	0.1	0.2	0.9	141	5.46
N254178	Drill Core	8.73	6	0.6	30.2	5.8	34	<0.1	31.8	23.5	124	5.21	7	0.5	1.3	310	<0.1	0.1	0.5	167	3.59
N254179	Drill Core	9.21	7	0.6	19.0	5.9	27	<0.1	28.8	34.3	125	5.80	3	0.5	1.3	307	<0.1	<0.1	0.7	155	3.38
N254180	Drill Core	9.47	6	1.4	9.3	4.5	21	<0.1	26.4	22.4	82	5.89	4	0.5	1.4	217	<0.1	0.1	0.6	164	3.39
N254181	Rock Pulp	0.06	595	358.9	4012.9	32.7	114	15.6	26.7	78.3	1543	4.88	1803	2.5	1.5	436	1.1	48.4	16.8	62	5.95
N254182	Drill Core	8.05	6	2.7	9.2	3.1	11	<0.1	17.8	21.0	50	4.77	<1	0.4	0.9	260	<0.1	0.3	0.6	146	4.61
N254183	Drill Core	8.91	4	1.5	9.3	2.8	10	<0.1	15.4	17.2	51	5.32	1	0.5	1.0	203	0.1	0.3	0.5	156	3.13
N254184	Drill Core	8.90	5	1.9	24.0	3.6	11	<0.1	11.7	18.6	59	4.89	2	0.9	1.7	215	<0.1	0.3	0.9	133	2.41
N254185	Drill Core	8.74	6	2.2	14.4	3.1	10	<0.1	18.1	24.8	56	5.96	6	0.4	1.0	209	<0.1	0.3	0.8	157	3.70
N254186	Drill Core	9.21	6	1.7	13.1	3.0	37	<0.1	16.4	30.0	61	6.44	4	0.3	0.7	222	0.3	0.2	0.9	166	3.72
N254187	Drill Core	4.06	13	2.0	123.5	3.4	21	<0.1	17.4	24.8	73	5.83	23	0.4	0.9	268	0.2	1.4	1.0	155	3.62
N254188	Drill Core	8.75	7	1.4	63.0	3.0	11	<0.1	16.4	23.0	56	6.58	14	0.4	1.0	302	<0.1	0.7	0.8	148	3.43



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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

**VAN17001139.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254159	Drill Core	0.098	9.1	14	1.92	71	0.147	7.42	0.302	1.40	0.2	23.3	19	5.0	9.0	0.7	<0.1	<1	18	2.7	5.3	
N254160	Drill Core	0.085	15.0	7	1.40	213	0.081	6.67	0.311	1.13	0.3	36.1	29	3.8	11.3	0.5	<0.1	<1	15	1.3	7.2	
N254161	Rock	0.003	<0.1	1	1.60	8	<0.001	0.03	0.005	<0.01	<0.1	0.5	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.2	<0.1	
N254162	Drill Core	0.102	6.6	21	1.42	44	0.135	6.41	0.432	0.97	0.2	30.4	16	4.1	6.7	0.9	<0.1	<1	15	4.0	6.6	
N254163	Drill Core	0.090	6.4	14	1.99	46	0.094	6.87	0.951	0.65	0.1	24.2	15	2.7	4.9	0.6	<0.1	<1	18	3.9	7.2	
N254164	Drill Core	0.066	5.3	14	2.09	45	0.116	7.27	1.228	0.63	0.1	15.5	12	2.8	4.6	0.5	<0.1	<1	22	3.4	7.5	
N254165	Drill Core	0.085	4.6	13	1.35	26	0.093	6.72	0.583	0.76	0.1	17.4	12	5.1	4.8	0.6	<0.1	<1	20	4.6	9.6	
N254166	Drill Core	0.118	10.1	26	2.43	66	0.143	7.45	0.705	0.44	<0.1	33.1	23	2.1	5.2	1.0	<0.1	<1	19	6.5	6.1	
N254167	Drill Core	0.106	6.9	42	2.20	60	0.065	6.93	0.636	0.45	<0.1	40.2	17	2.9	4.8	0.5	<0.1	<1	17	6.5	7.1	
N254168	Drill Core	0.108	6.0	19	1.74	49	0.073	5.96	0.702	0.56	<0.1	26.8	15	3.3	4.8	0.7	<0.1	1	17	6.1	9.7	
N254169	Drill Core	0.104	8.0	12	1.71	45	0.068	7.19	0.710	0.88	0.1	34.5	19	5.4	5.9	0.6	<0.1	1	17	5.6	8.7	
N254171	Drill Core	0.120	7.2	19	2.05	99	0.119	7.39	0.902	0.54	0.1	33.2	17	3.3	5.9	1.0	<0.1	<1	18	4.6	6.9	
N254172	Drill Core	0.089	5.6	11	2.03	76	0.101	7.48	0.876	0.53	0.2	22.6	14	3.2	4.6	0.6	<0.1	<1	22	5.8	7.0	
N254173	Drill Core	0.076	4.1	9	1.47	31	0.091	6.51	0.576	1.31	0.3	15.7	11	6.0	4.4	0.5	<0.1	<1	20	4.4	>10	
N254174	Drill Core	0.090	5.7	14	1.31	43	0.111	6.95	0.563	1.07	0.2	23.3	15	6.7	6.4	0.8	<0.1	<1	18	5.9	>10	
N254214	Rock	0.006	0.6	1	2.00	6	<0.001	0.04	0.006	<0.01	<0.1	0.3	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.1	<0.1	
N254175	Drill Core	0.128	8.2	24	2.40	86	0.118	8.05	0.778	0.50	0.2	36.2	19	2.5	6.0	0.9	<0.1	1	18	8.4	6.3	
N254176	Drill Core	0.118	6.6	16	1.62	35	0.092	6.70	0.664	0.73	0.1	33.4	16	4.0	6.1	0.8	<0.1	<1	17	6.1	>10	
N254177	Drill Core	0.086	6.1	27	1.32	33	0.075	6.05	0.556	0.72	0.2	31.9	15	2.9	6.6	0.7	<0.1	<1	14	5.0	>10	
N254178	Drill Core	0.102	8.8	43	2.06	65	0.057	7.36	0.822	0.64	<0.1	42.7	20	1.9	6.1	0.5	<0.1	<1	18	7.0	7.0	
N254179	Drill Core	0.102	9.0	28	2.05	66	0.057	7.34	0.956	0.52	<0.1	39.1	21	1.7	5.3	0.5	<0.1	<1	16	5.8	7.4	
N254180	Drill Core	0.106	7.4	26	1.61	41	0.068	6.92	0.617	1.16	0.1	41.3	18	6.4	5.5	0.7	<0.1	2	15	3.9	8.7	
N254181	Rock Pulp	0.063	17.4	34	0.79	755	0.157	5.98	1.666	1.73	4.0	21.2	26	3.6	10.5	1.8	<0.1	<1	6	13.0	0.7	
N254182	Drill Core	0.105	5.5	19	1.12	23	0.085	6.03	0.414	1.42	0.2	38.9	13	5.6	5.5	0.9	<0.1	1	12	4.0	8.8	
N254183	Drill Core	0.116	6.7	9	1.29	29	0.131	6.43	0.326	1.69	0.2	41.1	17	5.8	5.7	1.2	<0.1	1	12	5.1	8.4	
N254184	Drill Core	0.090	7.9	7	1.58	44	0.104	6.15	0.578	1.04	0.2	47.6	17	4.4	6.0	1.5	0.1	<1	12	5.4	7.1	
N254185	Drill Core	0.095	6.1	15	1.24	36	0.111	5.86	0.530	0.95	0.2	27.1	14	4.9	5.5	1.3	<0.1	1	13	5.7	9.4	
N254186	Drill Core	0.098	5.9	18	1.37	29	0.129	5.86	0.519	1.02	0.2	21.9	15	5.1	5.2	1.3	<0.1	1	14	5.9	9.9	
N254187	Drill Core	0.109	7.8	14	1.65	54	0.098	6.64	0.604	0.80	0.2	30.6	18	5.6	5.8	1.1	<0.1	1	13	8.1	8.9	
N254188	Drill Core	0.112	6.7	11	1.05	26	0.107	6.28	0.572	1.11	0.2	29.8	16	5.0	6.7	1.2	<0.1	1	12	6.0	9.7	



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# CERTIFICATE OF ANALYSIS

**VAN17001139.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254159	Drill Core	15.5	0.6	0.13	0.264	7	0.6	1.3
N254160	Drill Core	24.9	1.3	0.14	0.121	7	0.9	0.9
N254161	Rock	<0.1	<0.1	<0.05	0.006	2	7.0	<0.5
N254162	Drill Core	5.0	0.9	0.12	0.067	6	<0.5	0.9
N254163	Drill Core	3.3	0.7	0.11	0.007	5	<0.5	0.6
N254164	Drill Core	4.4	0.6	0.18	<0.005	7	0.6	0.7
N254165	Drill Core	6.1	0.6	0.09	<0.005	9	1.0	0.6
N254166	Drill Core	3.6	0.9	0.25	<0.005	6	1.6	<0.5
N254167	Drill Core	2.0	1.1	0.15	<0.005	5	1.2	<0.5
N254168	Drill Core	4.2	0.9	0.10	<0.005	7	1.1	<0.5
N254169	Drill Core	5.7	1.1	0.09	<0.005	6	0.7	0.6
N254171	Drill Core	2.5	1.0	0.07	<0.005	5	0.8	<0.5
N254172	Drill Core	2.9	0.7	0.07	<0.005	4	0.8	0.5
N254173	Drill Core	8.2	0.5	0.06	<0.005	7	0.7	0.8
N254174	Drill Core	7.7	0.8	0.09	0.025	8	1.4	0.7
N254214	Rock	<0.1	<0.1	<0.05	<0.005	<1	3.1	<0.5
N254175	Drill Core	3.2	1.1	0.14	<0.005	7	2.6	<0.5
N254176	Drill Core	5.7	0.9	0.15	0.012	11	2.1	0.6
N254177	Drill Core	6.9	0.8	<0.05	<0.005	8	1.3	<0.5
N254178	Drill Core	5.5	1.3	0.06	<0.005	5	0.8	<0.5
N254179	Drill Core	4.2	1.2	0.08	<0.005	5	0.6	<0.5
N254180	Drill Core	9.4	1.3	<0.05	<0.005	7	0.8	0.7
N254181	Rock Pulp	38.0	0.8	0.14	0.390	5	3.2	<0.5
N254182	Drill Core	11.2	1.1	<0.05	0.009	5	<0.5	0.6
N254183	Drill Core	13.6	1.0	<0.05	0.006	6	0.7	0.7
N254184	Drill Core	7.8	1.5	<0.05	<0.005	5	0.6	0.5
N254185	Drill Core	7.4	0.8	0.07	<0.005	6	0.7	0.5
N254186	Drill Core	6.6	0.6	0.07	<0.005	5	0.7	0.5
N254187	Drill Core	5.2	0.9	0.13	0.010	6	1.3	<0.5
N254188	Drill Core	11.2	0.8	0.09	<0.005	5	2.4	<0.5



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**VAN17001139.1**

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254189	Drill Core	8.70	6	2.6	13.6	2.8	7	<0.1	20.6	25.4	50	8.28	11	0.3	0.8	229	<0.1	0.3	0.6	167	4.49
N254190	Drill Core	8.52	5	1.7	12.6	3.1	8	<0.1	23.6	26.3	46	7.79	9	0.2	0.5	198	<0.1	0.2	0.8	189	4.36
N254191	Rock	2.23	<2	<0.1	0.5	0.1	1	<0.1	0.4	0.4	33	0.04	<1	1.6	<0.1	4521	<0.1	<0.1	<0.1	2	37.16
N254192	Drill Core	8.60	5	1.7	13.8	2.9	9	<0.1	23.0	23.7	58	8.49	5	0.2	0.4	206	<0.1	0.3	0.9	210	4.01
N254193	Drill Core	8.40	9	1.2	166.4	4.3	17	<0.1	23.1	24.9	79	7.79	10	0.2	0.5	267	<0.1	1.2	4.0	180	4.31
N254194	Drill Core	8.55	5	0.5	61.4	2.9	13	<0.1	23.2	22.7	73	7.51	2	0.2	0.6	220	<0.1	0.2	0.8	185	3.50
N254195	Drill Core	8.45	13	0.6	281.5	4.5	18	<0.1	22.1	20.2	105	6.12	<1	0.2	0.5	322	0.1	<0.1	0.9	197	3.90
N254196	Drill Core	7.73	10	0.5	72.1	4.2	28	<0.1	21.1	26.0	143	4.54	2	0.2	0.7	432	<0.1	<0.1	0.6	203	4.04
N254216	Rock Pulp	0.06	193	390.8	1910.9	27.7	63	12.6	14.6	10.2	691	3.50	11	0.9	1.9	427	0.4	35.2	2.2	86	2.63
N254197	Drill Core	8.58	22	0.7	129.3	3.7	36	<0.1	22.5	24.0	210	6.49	1	0.3	0.7	529	0.1	0.1	0.3	221	3.93



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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

**VAN17001139.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254189	Drill Core	0.104	5.7	17	0.71	21	0.151	5.61	0.364	1.82	0.2	17.6	14	4.7	6.3	1.3	<0.1	<1	12	2.9	>10	
N254190	Drill Core	0.102	4.7	24	0.74	19	0.145	5.06	0.473	1.57	0.2	7.9	13	4.1	5.6	1.1	<0.1	<1	13	4.0	>10	
N254191	Rock	0.005	0.4	1	1.86	7	0.002	0.07	0.009	0.01	<0.1	0.5	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.1	<0.1	
N254192	Drill Core	0.107	4.4	21	0.99	18	0.123	5.27	0.470	1.43	0.2	8.6	12	4.4	4.9	0.9	<0.1	1	14	5.4	>10	
N254193	Drill Core	0.095	5.0	18	1.37	20	0.085	6.00	0.662	0.91	<0.1	11.6	13	4.0	5.1	0.7	<0.1	<1	16	8.6	>10	
N254194	Drill Core	0.105	6.1	19	1.60	27	0.066	6.69	0.598	1.19	<0.1	10.4	15	4.7	5.1	0.5	<0.1	<1	17	10.1	>10	
N254195	Drill Core	0.096	5.3	21	1.53	46	0.090	7.21	0.938	0.93	<0.1	17.5	13	1.8	5.2	0.7	<0.1	<1	16	8.8	8.0	
N254196	Drill Core	0.107	5.3	27	2.12	116	0.108	7.90	1.333	0.91	0.1	26.6	13	1.6	5.0	0.8	<0.1	<1	17	7.4	5.3	
N254216	Rock Pulp	0.054	7.5	19	0.83	753	0.220	6.46	2.104	1.83	1.8	9.5	17	3.1	11.7	2.7	0.2	<1	9	8.7	0.3	
N254197	Drill Core	0.105	6.6	28	2.17	249	0.105	8.87	1.993	0.58	<0.1	31.8	16	1.2	7.1	0.7	<0.1	1	21	5.8	3.6	



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Project: Hushamu

Report Date: June 22, 2017

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# CERTIFICATE OF ANALYSIS

**VAN17001139.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254189	Drill Core	22.0	0.5	<0.05	0.006	7	0.7	0.6
N254190	Drill Core	15.6	0.2	<0.05	<0.005	4	1.2	0.7
N254191	Rock	0.2	<0.1	<0.05	<0.005	<1	1.8	<0.5
N254192	Drill Core	13.0	0.3	<0.05	<0.005	4	1.2	0.7
N254193	Drill Core	7.9	0.4	0.17	<0.005	6	4.2	0.6
N254194	Drill Core	12.7	0.3	0.16	<0.005	6	1.2	0.7
N254195	Drill Core	8.0	0.5	0.13	<0.005	4	1.0	0.6
N254196	Drill Core	7.8	0.8	0.17	<0.005	5	0.8	0.6
N254216	Rock Pulp	30.8	0.5	0.05	0.414	<1	1.2	<0.5
N254197	Drill Core	6.4	0.9	0.09	<0.005	2	<0.5	<0.5



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# QUALITY CONTROL REPORT

# VAN17001139.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254097	Drill Core	5.94	12	6.0	12.2	4.0	11	<0.1	16.7	28.1	18	5.16	2	0.6	1.3	166	0.3	0.2	1.4	188	0.07
REP N254097	QC			5.7	13.0	4.1	12	<0.1	16.8	27.6	19	5.25	2	0.5	1.2	160	0.2	0.2	1.4	189	0.07
N254121	Drill Core	3.22	44	30.0	112.3	15.9	18	<0.1	4.8	8.7	14	1.56	3	1.3	5.8	221	0.4	0.7	0.3	69	0.07
REP N254121	QC		45																		
N254132	Rock	2.43	<2	<0.1	1.0	0.2	2	<0.1	<0.1	0.4	37	0.05	<1	1.6	<0.1	4827	<0.1	<0.1	<0.1	1	36.23
REP N254132	QC			<0.1	0.7	0.1	2	<0.1	<0.1	0.4	42	0.07	<1	1.7	<0.1	4673	<0.1	<0.1	<0.1	2	35.36
N254213	Rock Pulp	0.06	668	334.3	4034.4	29.3	115	16.3	25.1	77.9	1452	4.82	1777	2.4	1.6	472	0.9	46.8	15.3	60	5.95
REP N254213	QC		633																		
N254167	Drill Core	8.48	9	0.7	93.8	21.6	64	<0.1	27.8	24.5	132	4.82	3	0.5	1.1	254	0.2	0.4	1.4	168	3.36
REP N254167	QC			0.8	97.3	21.4	62	<0.1	29.1	25.9	127	4.88	3	0.5	0.9	255	0.2	0.3	1.4	169	3.33
N254188	Drill Core	8.75	7	1.4	63.0	3.0	11	<0.1	16.4	23.0	56	6.58	14	0.4	1.0	302	<0.1	0.7	0.8	148	3.43
REP N254188	QC		9																		
Core Reject Duplicates																					
N254127	Drill Core	6.76	57	25.8	103.0	6.9	26	<0.1	5.8	17.5	22	6.06	8	1.6	3.1	67	0.2	0.7	1.1	78	0.10
DUP N254127	QC		58	24.6	98.8	6.6	22	<0.1	6.1	17.4	19	6.13	7	1.6	3.2	68	0.2	0.7	1.1	79	0.10
N254161	Rock	0.56	<2	<0.1	4.4	0.3	5	<0.1	0.3	<0.2	29	0.04	1	1.5	<0.1	4535	<0.1	<0.1	<0.1	<1	35.86
DUP N254161	QC		<2	<0.1	3.5	0.3	2	<0.1	0.4	0.3	31	0.04	5	1.6	<0.1	4490	<0.1	<0.1	<0.1	1	36.64
N254195	Drill Core	8.45	13	0.6	281.5	4.5	18	<0.1	22.1	20.2	105	6.12	<1	0.2	0.5	322	0.1	<0.1	0.9	197	3.90
DUP N254195	QC		14	0.4	276.5	4.7	18	<0.1	21.6	21.8	102	5.98	1	0.2	0.6	331	<0.1	<0.1	0.9	192	3.86
Reference Materials																					
STD OREAS25A-4A	Standard			2.4	37.3	29.5	48	<0.1	51.6	8.5	521	7.00	11	3.4	17.5	48	<0.1	0.6	0.4	174	0.31
STD OREAS25A-4A	Standard			2.2	32.7	23.4	44	<0.1	42.1	7.1	489	6.62	7	2.6	13.8	45	<0.1	0.7	0.4	160	0.25
STD OREAS25A-4A	Standard			2.2	34.0	26.1	42	<0.1	44.2	8.6	476	6.70	9	3.0	15.1	47	<0.1	0.6	0.3	161	0.27
STD OREAS45E	Standard			2.5	832.2	21.9	49	0.3	481.9	66.8	607	26.64	19	2.6	15.0	23	<0.1	1.1	0.3	349	0.07
STD OREAS45E	Standard			2.6	836.1	19.7	50	0.3	504.7	62.2	637	26.32	17	2.6	12.8	18	<0.1	1.1	0.3	335	0.08
STD OREAS45E	Standard			2.6	798.8	19.3	47	0.3	480.8	68.4	576	25.12	17	2.7	13.5	18	<0.1	1.2	0.3	318	0.07
STD OXC145	Standard		212																		
STD OXC145	Standard		212																		





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Project: Hushamu  
Report Date: June 22, 2017

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# QUALITY CONTROL REPORT

VAN17001139.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254097	Drill Core	0.060	3.8	8	0.42	46	0.212	8.16	0.111	1.73	0.3	29.6	10	7.9	6.5	2.0	0.1	<1	18	1.6	5.6
REP N254097	QC	0.056	3.6	8	0.42	47	0.197	7.83	0.108	1.75	0.2	28.9	8	7.9	5.5	1.8	0.1	<1	18	2.0	5.7
N254121	Drill Core	0.051	19.6	4	0.01	80	0.079	5.89	0.034	0.03	1.2	60.1	37	6.2	3.5	1.5	0.1	<1	9	2.5	1.7
REP N254121	QC																				
N254132	Rock	0.004	0.6	1	2.08	11	0.003	0.09	0.018	0.01	<0.1	0.4	<1	0.1	0.3	<0.1	<0.1	<1	<1	0.2	<0.1
REP N254132	QC	0.007	0.4	2	2.04	11	0.005	0.10	0.023	0.01	<0.1	0.6	<1	<0.1	0.5	<0.1	<0.1	<1	<1	0.1	<0.1
N254213	Rock Pulp	0.065	17.5	35	0.81	734	0.157	6.05	1.780	1.58	3.9	21.1	26	3.4	10.1	1.7	<0.1	<1	6	12.1	0.7
REP N254213	QC																				
N254167	Drill Core	0.106	6.9	42	2.20	60	0.065	6.93	0.636	0.45	<0.1	40.2	17	2.9	4.8	0.5	<0.1	<1	17	6.5	7.1
REP N254167	QC	0.099	6.1	40	2.18	57	0.066	6.77	0.644	0.44	<0.1	40.0	14	2.6	4.6	0.5	<0.1	<1	18	6.4	7.0
N254188	Drill Core	0.112	6.7	11	1.05	26	0.107	6.28	0.572	1.11	0.2	29.8	16	5.0	6.7	1.2	<0.1	1	12	6.0	9.7
REP N254188	QC																				
Core Reject Duplicates																					
N254127	Drill Core	0.040	7.6	4	0.68	28	0.063	6.33	0.038	1.17	0.6	56.3	16	6.8	6.2	1.0	<0.1	<1	11	4.0	6.3
DUP N254127	QC	0.042	7.7	3	0.68	31	0.068	6.29	0.041	1.16	0.7	56.9	17	7.3	6.6	1.0	0.1	<1	11	3.5	6.4
N254161	Rock	0.003	<0.1	1	1.60	8	<0.001	0.03	0.005	<0.01	<0.1	0.5	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.2	<0.1
DUP N254161	QC	0.004	<0.1	1	1.64	9	<0.001	0.03	0.005	<0.01	<0.1	0.6	<1	<0.1	0.3	0.1	<0.1	<1	<1	<0.1	<0.1
N254195	Drill Core	0.096	5.3	21	1.53	46	0.090	7.21	0.938	0.93	<0.1	17.5	13	1.8	5.2	0.7	<0.1	<1	16	8.8	8.0
DUP N254195	QC	0.097	5.3	20	1.53	43	0.090	7.30	0.944	0.99	<0.1	17.7	13	2.0	5.6	0.7	<0.1	<1	17	9.0	7.9
Reference Materials																					
STD OREAS25A-4A	Standard	0.050	20.8	135	0.35	162	1.010	9.13	0.152	0.52	2.1	157.0	48	4.5	11.3	21.9	1.7	<1	13	43.8	<0.1
STD OREAS25A-4A	Standard	0.049	18.0	112	0.30	140	0.887	8.36	0.118	0.47	2.0	149.9	41	4.0	9.4	18.8	1.4	<1	12	38.4	<0.1
STD OREAS25A-4A	Standard	0.045	19.3	122	0.33	147	0.895	8.58	0.130	0.46	1.8	144.8	41	4.1	9.5	19.7	1.4	<1	12	37.2	<0.1
STD OREAS45E	Standard	0.037	11.2	997	0.17	278	0.573	7.32	0.061	0.35	1.1	99.6	24	1.7	9.1	6.5	0.6	<1	96	7.2	<0.1
STD OREAS45E	Standard	0.039	8.6	1106	0.17	271	0.535	7.13	0.063	0.37	1.1	99.2	20	1.4	7.2	6.4	0.6	1	99	8.5	<0.1
STD OREAS45E	Standard	0.034	9.4	1057	0.16	277	0.510	6.84	0.055	0.34	1.0	95.6	22	1.3	7.9	6.5	0.5	<1	92	6.6	<0.1
STD OXC145	Standard																				
STD OXC145	Standard																				



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# QUALITY CONTROL REPORT

VAN17001139.1

Method Analyte		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254097	Drill Core	35.7	0.9	0.09	0.074	5	0.7	0.8
REP N254097	QC	34.0	1.0	<0.05	0.053	5	0.5	0.8
N254121	Drill Core	0.9	1.7	0.07	0.102	6	<0.5	<0.5
REP N254121	QC							
N254132	Rock	0.5	<0.1	<0.05	<0.005	1	2.5	<0.5
REP N254132	QC	0.4	<0.1	<0.05	<0.005	1	4.1	<0.5
N254213	Rock Pulp	38.5	0.6	0.17	0.359	4	3.0	<0.5
REP N254213	QC							
N254167	Drill Core	2.0	1.1	0.15	<0.005	5	1.2	<0.5
REP N254167	QC	2.2	1.3	0.17	<0.005	6	1.2	0.5
N254188	Drill Core	11.2	0.8	0.09	<0.005	5	2.4	<0.5
REP N254188	QC							
Core Reject Duplicates								
N254127	Drill Core	21.5	1.5	0.08	0.084	14	0.8	1.0
DUP N254127	QC	21.7	1.8	<0.05	0.075	14	0.6	1.1
N254161	Rock	<0.1	<0.1	<0.05	0.006	2	7.0	<0.5
DUP N254161	QC	0.2	<0.1	<0.05	<0.005	2	10.9	<0.5
N254195	Drill Core	8.0	0.5	0.13	<0.005	4	1.0	0.6
DUP N254195	QC	8.2	0.5	0.18	<0.005	5	0.9	0.7
Reference Materials								
STD OREAS25A-4A	Standard	61.0	4.8	0.09	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	54.2	4.1	0.09	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	53.8	3.7	0.12	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.0	3.1	0.12	<0.005	1	<0.5	<0.5
STD OREAS45E	Standard	21.2	3.0	0.13	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.7	2.8	0.15	<0.005	2	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							



# QUALITY CONTROL REPORT

VAN17001139.1

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OXC145	Standard		210																		
STD OXH122	Standard		1239																		
STD OXH122	Standard		1193																		
STD OXH122	Standard		1200																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXC145 Expected			212																		
STD OXH122 Expected			1247																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.01
BLK	Blank		<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.2	2	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.01
BLK	Blank		<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
ROCK-VAN	Prep Blank		<2	1.2	6.1	3.2	44	<0.1	1.0	4.1	720	2.15	2	1.3	3.1	230	<0.1	0.2	0.1	36	1.57
ROCK-VAN	Prep Blank		<2	0.9	5.9	3.2	42	<0.1	0.9	4.0	714	2.10	1	1.3	3.0	214	<0.1	0.1	<0.1	35	1.48



# QUALITY CONTROL REPORT

VAN17001139.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXH122	Standard																					
STD OXH122	Standard																					
STD OREAS25A-4A Expected		0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	
STD OXC145 Expected																						
STD OXH122 Expected																						
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
Prep Wash																						
ROCK-VAN	Prep Blank	0.047	13.6	3	0.52	806	0.227	6.99	3.649	1.66	0.4	54.7	26	1.1	18.0	6.0	0.4	1	7	4.1	<0.1	
ROCK-VAN	Prep Blank	0.047	13.5	3	0.52	805	0.217	6.72	3.635	1.59	0.4	50.3	27	1.0	17.2	5.6	0.4	1	7	4.0	<0.1	



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: June 22, 2017

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## QUALITY CONTROL REPORT

VAN17001139.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXC145 Expected								
STD OXH122 Expected								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	2	<0.5	<0.5
BLK	Blank	0.1	<0.1	<0.05	<0.005	2	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
Prep Wash								
ROCK-VAN	Prep Blank	34.4	1.8	0.06	<0.005	2	<0.5	<0.5
ROCK-VAN	Prep Blank	33.3	1.9	<0.05	<0.005	<1	<0.5	<0.5



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: June 21, 2017  
Report Date: July 12, 2017  
Page: 1 of 5

## CERTIFICATE OF ANALYSIS

VAN17001212.1

### CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 120

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 60 days Invoice for Storage

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	114	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
FA350-Au	120	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	120	Environmental disposal charge-Fire assay lead waste			VAN
MA200	120	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 12, 2017

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

# VAN17001212.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254203	Drill Core	8.25	12	0.9	104.1	4.3	28	<0.1	22.3	24.3	182	6.45	2	0.4	1.0	688	0.1	<0.1	0.7	198	4.50
N254204	Drill Core	8.13	5	0.4	5.9	4.5	25	<0.1	25.7	22.8	140	6.95	<1	0.3	0.7	517	<0.1	<0.1	1.0	171	4.24
N254205	Drill Core	8.43	13	1.0	164.7	3.8	27	<0.1	23.2	23.9	231	6.77	2	0.5	1.0	572	<0.1	0.2	0.7	196	4.81
N254206	Drill Core	8.11	25	0.8	145.6	4.3	30	<0.1	22.1	18.4	265	5.84	4	0.5	1.2	572	0.1	0.1	0.8	202	4.79
N254207	Drill Core	7.07	17	1.0	133.8	3.7	20	<0.1	20.7	25.7	204	5.58	4	0.4	1.0	744	<0.1	0.1	0.7	193	5.00
N254208	Drill Core	8.01	19	0.7	128.2	3.4	17	<0.1	19.6	17.5	150	4.36	2	0.5	1.0	689	<0.1	0.1	0.5	179	6.56
N254209	Drill Core	7.70	12	0.8	132.3	4.2	34	<0.1	24.6	16.9	355	7.36	4	0.5	1.1	669	<0.1	0.3	0.4	221	4.47
N254210	Drill Core	9.01	14	1.0	113.3	6.1	16	<0.1	20.7	24.9	170	5.71	2	0.5	0.9	390	<0.1	0.2	1.2	202	3.53
N254211	Drill Core	7.20	11	1.5	39.4	3.1	8	<0.1	13.2	19.1	51	5.50	2	0.4	0.9	197	<0.1	0.2	1.7	134	5.95
N254212	Rock Pulp	0.06	206	395.2	1960.2	25.1	61	13.1	15.4	9.2	777	3.68	15	0.9	2.1	423	0.6	34.8	2.2	88	2.84
N254217	Drill Core	6.03	251	93.5	2431.4	8.8	112	0.6	6.9	19.7	288	9.51	<1	0.6	1.5	16	<0.1	0.1	0.5	322	0.44
N254218	Drill Core	7.64	267	105.6	1928.5	8.9	47	0.4	9.9	29.6	122	11.29	3	0.5	1.2	9	0.2	0.1	2.5	243	0.37
N254219	Drill Core	13.93	256	81.5	2297.9	10.9	42	0.2	9.0	29.4	110	10.31	3	0.6	1.0	10	0.2	0.2	1.7	295	0.39
N254220	Rock Pulp	0.06	659	344.1	4037.5	29.5	111	15.5	25.6	70.5	1511	4.79	2085	2.4	1.4	446	1.0	43.3	14.6	61	6.03
N254221	Drill Core	7.42	219	67.7	2224.5	7.1	34	0.3	8.5	26.0	106	10.00	5	0.5	1.1	10	<0.1	0.2	1.6	268	0.39
N254222	Drill Core	7.05	137	222.1	2853.5	6.6	12	0.1	4.7	13.3	26	6.78	6	0.4	3.1	4	0.2	0.2	1.1	103	0.39
N254223	Drill Core	9.38	206	113.3	1931.5	7.5	51	0.4	9.3	32.7	102	10.67	2	0.6	1.2	12	0.2	0.1	1.4	262	0.36
N254224	Drill Core	5.34	205	79.1	1683.6	12.5	91	0.4	8.3	27.8	184	10.70	3	0.7	0.9	17	0.2	<0.1	1.7	322	0.47
N254225	Drill Core	6.88	219	65.0	1881.6	11.7	67	0.3	7.8	22.0	176	10.68	3	0.7	0.7	16	0.2	0.1	1.9	311	0.46
N254226	Drill Core	8.01	147	214.7	1063.4	8.5	13	0.1	10.0	40.0	43	11.10	2	0.5	1.1	7	0.2	0.2	1.1	176	0.25
N254227	Drill Core	7.58	198	127.9	1986.6	7.3	51	0.4	8.1	24.9	111	9.60	3	0.8	1.2	17	0.3	<0.1	1.3	272	0.39
N254228	Drill Core	3.41	281	75.7	2249.4	7.5	72	0.4	8.8	22.3	154	11.13	3	0.6	0.7	16	0.4	<0.1	1.1	275	0.45
N254230	Drill Core	9.28	352	150.3	3802.8	10.1	27	0.5	12.8	30.0	77	11.19	<1	0.7	1.2	13	0.2	0.1	2.1	249	0.34
N254231	Drill Core	9.26	445	184.1	4282.9	13.8	86	0.8	16.4	31.9	155	12.23	3	0.7	1.2	14	0.4	0.1	2.2	337	0.34
N254232	Drill Core	7.92	482	162.9	4880.1	15.8	129	1.5	13.5	21.6	190	7.34	<1	0.6	1.2	23	0.6	<0.1	1.6	176	0.69
N254233	Drill Core	9.64	416	92.8	4082.2	19.0	187	1.1	15.8	24.2	212	8.71	1	0.6	1.3	26	0.2	0.1	1.7	233	0.59
N254234	Drill Core	7.96	459	154.1	4655.2	13.0	174	1.0	19.7	30.7	229	8.98	2	0.7	1.9	20	0.4	<0.1	1.4	172	0.70
N254235	Drill Core	8.34	415	116.9	3937.9	13.7	216	1.4	41.7	36.5	426	8.05	<1	0.5	1.2	52	0.3	<0.1	0.5	208	1.92
N254236	Rock	1.98	<2	0.1	2.9	0.3	1	<0.1	0.6	0.5	25	0.03	<1	1.3	<0.1	4096	<0.1	<0.1	<0.1	<1	36.92
N254237	Drill Core	9.48	383	116.0	3615.3	9.7	151	1.2	34.0	30.5	269	9.39	1	0.4	0.6	19	0.3	<0.1	0.8	253	0.68



Bureau Veritas Commodities Canada Ltd.

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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 12, 2017

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Part: 2 of 3

# CERTIFICATE OF ANALYSIS

## VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254203	Drill Core	0.102	6.6	25	2.27	177	0.135	9.12	2.596	0.14	<0.1	32.3	15	1.4	7.7	1.0	<0.1	<1	20	4.5	5.7
N254204	Drill Core	0.095	7.1	21	2.28	73	0.106	8.42	2.852	0.45	<0.1	20.7	16	1.0	5.9	0.8	<0.1	<1	18	4.4	8.3
N254205	Drill Core	0.097	8.5	32	2.19	163	0.157	9.03	2.292	0.27	<0.1	31.1	18	1.3	10.8	1.2	<0.1	<1	21	5.3	5.6
N254206	Drill Core	0.099	12.4	31	2.21	128	0.199	9.29	2.329	0.15	0.1	36.7	25	1.2	15.0	1.5	<0.1	<1	21	5.8	3.3
N254207	Drill Core	0.101	11.1	30	2.06	211	0.156	8.94	2.099	0.26	<0.1	32.6	22	1.0	10.4	1.2	<0.1	<1	21	5.4	4.6
N254208	Drill Core	0.095	10.2	20	1.91	124	0.140	8.52	1.635	0.72	<0.1	30.2	22	1.4	7.7	1.0	<0.1	1	20	5.1	6.2
N254209	Drill Core	0.098	11.5	37	2.48	159	0.207	9.68	2.210	0.09	<0.1	38.7	24	0.7	15.2	1.4	<0.1	<1	21	5.9	1.4
N254210	Drill Core	0.100	8.7	27	2.60	108	0.125	9.18	0.971	1.00	<0.1	32.6	19	1.5	8.1	0.9	<0.1	1	21	10.3	6.0
N254211	Drill Core	0.079	7.9	11	0.81	29	0.109	6.42	0.250	1.47	0.3	24.2	18	6.2	7.9	1.1	<0.1	<1	13	4.7	10.0
N254212	Rock Pulp	0.053	8.2	19	0.90	752	0.206	7.17	2.353	1.87	1.7	9.1	18	3.0	11.5	2.4	0.2	1	9	8.6	0.3
N254217	Drill Core	0.092	10.7	4	3.70	154	0.437	9.44	0.030	1.79	0.2	11.1	24	6.3	12.5	2.0	0.1	1	32	1.0	1.7
N254218	Drill Core	0.082	5.5	5	1.00	36	0.264	6.85	0.035	0.46	0.3	12.9	14	7.7	6.0	1.5	<0.1	<1	19	1.8	9.6
N254219	Drill Core	0.094	3.9	3	1.19	47	0.298	7.38	0.040	0.73	0.3	12.1	11	9.7	4.9	1.3	<0.1	<1	23	1.1	7.9
N254220	Rock Pulp	0.064	16.2	32	0.79	749	0.150	5.92	1.796	1.66	3.8	20.5	23	3.3	8.9	1.7	0.1	<1	6	12.7	0.6
N254221	Drill Core	0.093	5.3	3	1.29	50	0.275	7.49	0.032	0.68	0.3	11.4	14	8.3	5.9	1.3	<0.1	<1	23	1.4	7.3
N254222	Drill Core	0.167	11.3	8	0.02	2	0.129	8.23	0.019	0.02	0.5	17.6	24	5.7	1.5	1.1	<0.1	<1	3	3.7	7.3
N254223	Drill Core	0.090	6.7	4	1.09	37	0.240	7.48	0.033	1.07	0.3	12.2	17	8.5	6.1	1.1	<0.1	<1	23	2.3	8.4
N254224	Drill Core	0.091	3.2	4	2.13	98	0.367	8.65	0.041	1.42	0.2	12.3	10	7.3	8.3	1.5	<0.1	<1	29	0.9	4.0
N254225	Drill Core	0.086	2.2	5	2.28	102	0.363	8.32	0.036	1.16	0.2	12.4	7	7.7	6.4	1.6	<0.1	<1	28	1.1	3.1
N254226	Drill Core	0.078	7.3	7	0.21	24	0.178	5.44	0.027	0.23	0.5	13.2	18	7.2	4.0	1.0	<0.1	<1	12	1.8	>10
N254227	Drill Core	0.093	8.3	5	1.28	76	0.263	8.00	0.050	1.29	0.3	18.9	23	7.4	7.0	1.3	<0.1	<1	25	1.3	4.5
N254228	Drill Core	0.095	3.6	6	2.07	95	0.252	7.70	0.039	1.29	0.2	13.2	11	5.6	6.0	1.3	<0.1	<1	25	1.5	3.4
N254230	Drill Core	0.070	8.9	7	1.04	51	0.166	7.49	0.041	0.93	0.2	14.8	24	8.3	6.8	1.1	<0.1	<1	25	1.8	7.4
N254231	Drill Core	0.056	7.8	16	1.75	85	0.200	7.91	0.034	1.45	0.2	16.5	21	7.1	6.7	1.5	<0.1	<1	22	1.5	4.3
N254232	Drill Core	0.076	9.9	19	1.73	195	0.269	8.64	0.039	2.12	0.2	15.8	25	5.7	10.5	2.1	<0.1	<1	22	1.5	1.9
N254233	Drill Core	0.080	7.5	17	1.50	135	0.280	8.95	0.057	1.70	0.2	14.4	18	8.0	10.3	2.0	0.1	1	25	0.9	2.5
N254234	Drill Core	0.134	12.7	16	1.89	244	0.276	8.29	0.034	2.48	0.2	21.1	34	5.3	12.5	3.0	0.1	<1	26	0.6	1.6
N254235	Drill Core	0.092	11.6	22	3.56	199	0.421	8.86	0.097	2.21	0.1	14.9	27	4.3	14.8	3.2	0.2	<1	24	1.9	0.6
N254236	Rock	0.003	0.3	2	1.76	7	0.002	0.02	0.004	<0.01	<0.1	0.4	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.2	<0.1
N254237	Drill Core	0.086	7.9	25	2.89	171	0.336	9.14	0.033	2.24	0.1	10.2	18	4.7	10.9	1.8	<0.1	<1	25	2.1	1.1





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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254203	Drill Core	1.6	1.1	0.11	<0.005	6	<0.5	<0.5
N254204	Drill Core	6.6	0.7	<0.05	<0.005	5	0.6	<0.5
N254205	Drill Core	5.2	1.0	0.15	0.007	5	0.8	<0.5
N254206	Drill Core	3.4	1.1	0.17	<0.005	5	0.9	<0.5
N254207	Drill Core	5.8	1.0	0.07	0.006	6	1.3	<0.5
N254208	Drill Core	15.0	1.0	0.09	<0.005	4	1.2	<0.5
N254209	Drill Core	1.7	1.2	0.16	<0.005	3	0.8	<0.5
N254210	Drill Core	16.6	0.9	0.12	<0.005	6	2.0	<0.5
N254211	Drill Core	18.9	0.6	0.07	<0.005	10	1.1	0.6
N254212	Rock Pulp	35.5	0.5	<0.05	0.391	2	1.0	<0.5
N254217	Drill Core	57.7	0.4	0.27	0.452	3	<0.5	1.6
N254218	Drill Core	9.8	0.5	0.19	0.375	12	1.3	<0.5
N254219	Drill Core	13.9	0.5	0.15	0.336	7	1.0	0.7
N254220	Rock Pulp	34.8	0.6	0.12	0.345	5	2.8	<0.5
N254221	Drill Core	13.0	0.5	0.19	0.290	7	0.6	0.7
N254222	Drill Core	0.5	0.6	<0.05	0.536	6	1.7	<0.5
N254223	Drill Core	24.1	0.4	0.23	0.468	10	0.6	0.9
N254224	Drill Core	21.8	0.5	0.32	0.336	5	0.7	1.3
N254225	Drill Core	12.0	0.5	0.31	0.257	3	0.8	1.1
N254226	Drill Core	5.4	0.5	<0.05	0.585	16	0.5	<0.5
N254227	Drill Core	31.8	0.6	0.27	0.845	5	<0.5	1.1
N254228	Drill Core	14.7	0.5	0.42	0.395	4	<0.5	1.1
N254230	Drill Core	22.1	0.5	0.18	0.740	8	0.6	0.8
N254231	Drill Core	34.6	0.6	0.37	0.846	7	<0.5	1.1
N254232	Drill Core	54.6	0.5	0.80	0.805	6	<0.5	1.3
N254233	Drill Core	44.0	0.5	0.80	0.392	5	0.7	1.0
N254234	Drill Core	50.9	0.7	0.53	0.533	5	<0.5	1.3
N254235	Drill Core	72.2	0.5	0.62	0.579	3	<0.5	1.2
N254236	Rock	0.2	<0.1	<0.05	<0.005	1	1.7	<0.5
N254237	Drill Core	59.1	0.3	0.73	0.509	3	<0.5	1.4



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# CERTIFICATE OF ANALYSIS

## VAN17001212.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254238	Drill Core	8.49	356	115.2	3645.6	10.7	89	0.7	20.3	31.2	121	8.54	6	0.4	0.8	13	0.4	<0.1	1.9	223	0.32
N254239	Drill Core	8.76	556	141.4	6182.4	8.4	54	0.6	18.0	34.9	99	9.02	3	0.3	1.0	13	0.2	0.1	1.5	232	0.33
N254240	Drill Core	8.32	527	84.2	4581.6	10.3	115	1.3	14.5	23.8	137	7.67	4	0.4	0.8	21	0.6	<0.1	1.4	179	0.39
N254241	Rock Pulp	0.06	203	383.7	1960.6	25.2	57	12.7	14.0	9.3	731	3.63	13	0.9	1.9	406	0.5	31.9	2.1	86	2.77
N254242	Drill Core	8.08	507	76.0	4456.2	18.2	118	0.8	14.2	21.9	124	9.26	3	0.3	1.3	27	0.5	0.2	1.4	204	0.45
N254243	Drill Core	8.79	534	115.9	4929.5	10.5	61	0.5	14.7	25.5	65	8.60	2	0.3	1.0	21	0.3	<0.1	1.7	220	0.36
N254244	Drill Core	9.07	494	71.1	4580.5	11.1	79	0.7	13.5	22.3	102	7.48	1	0.4	1.7	37	0.5	<0.1	1.3	201	0.47
N254245	Drill Core	8.53	353	60.9	3132.8	13.8	77	0.8	16.1	25.8	121	9.77	6	0.3	1.0	12	0.2	0.1	1.4	215	0.34
N254246	Drill Core	7.70	479	17.4	1570.5	5.6	33	0.5	8.7	13.0	60	5.91	4	<0.1	0.5	5	<0.1	<0.1	0.7	99	0.13
N254247	Drill Core	3.14	444	51.4	3367.9	10.0	98	0.8	12.7	26.8	138	9.43	5	0.2	0.8	16	0.3	<0.1	1.1	268	0.30
N254249	Drill Core	8.78	471	68.3	4096.7	10.7	129	1.7	10.7	26.8	151	12.05	4	0.3	1.2	7	0.7	0.1	1.3	245	0.23
N254250	Drill Core	9.20	386	76.7	3380.9	11.7	161	1.2	11.1	26.4	218	11.46	4	0.3	1.1	10	0.3	<0.1	0.7	273	0.27
N254251	Drill Core	8.78	506	162.0	4439.0	12.3	117	1.5	12.5	29.5	118	9.28	5	0.4	1.1	12	0.3	<0.1	1.2	286	0.28
N254252	Drill Core	8.65	674	113.2	5157.6	12.7	139	1.6	12.0	29.7	136	9.38	4	0.2	0.7	11	0.4	<0.1	1.3	209	0.26
N254253	Drill Core	8.71	668	69.3	4668.6	13.7	69	1.3	12.4	27.8	74	10.31	5	0.3	1.3	8	0.7	<0.1	1.2	202	0.17
N254254	Drill Core	9.61	279	75.5	2647.4	10.0	115	0.9	11.4	20.0	135	10.32	7	0.5	1.9	10	0.4	<0.1	0.9	167	0.24
N254255	Drill Core	8.27	302	76.6	3968.6	9.3	14	0.7	7.9	17.7	44	8.25	7	0.5	3.7	4	0.2	<0.1	1.0	86	0.12
N254256	Drill Core	7.68	205	187.8	2212.6	7.8	15	0.5	5.2	22.5	37	6.96	16	0.4	4.3	4	0.3	<0.1	1.6	50	0.09
N254257	Drill Core	8.76	616	49.6	3636.5	6.9	49	1.1	2.9	11.4	67	8.15	3	0.7	4.5	6	0.3	<0.1	1.0	51	0.11
N254258	Rock	1.95	3	0.2	3.6	0.1	1	<0.1	0.5	0.5	30	0.03	<1	1.4	<0.1	4573	<0.1	<0.1	<0.1	<1	37.62
N254259	Drill Core	8.60	569	78.9	5086.5	8.2	57	1.2	4.4	21.2	60	7.63	5	0.5	3.2	7	0.3	0.1	2.2	61	0.14
N254260	Drill Core	7.58	636	65.0	5634.9	9.4	34	0.8	4.2	21.7	50	8.02	5	0.4	1.8	18	0.2	0.2	3.4	68	0.18
N254261	Drill Core	9.20	254	81.7	3138.3	6.0	34	0.5	3.6	22.3	32	8.05	6	0.5	4.4	84	0.4	<0.1	2.2	40	0.04
N254262	Drill Core	6.93	262	80.7	3461.7	4.8	17	0.3	3.3	20.2	34	7.73	5	0.5	4.1	24	0.1	0.2	1.7	36	0.04
N254263	Drill Core	9.68	186	80.6	930.7	3.5	29	0.2	3.5	21.2	31	8.38	4	0.5	3.9	22	0.1	0.2	1.7	32	0.03
N254264	Rock Pulp	0.06	621	324.6	3824.6	27.4	108	14.9	26.3	67.9	1468	4.68	1932	2.2	1.4	431	0.6	40.7	13.9	59	5.85
N254265	Drill Core	6.95	103	51.1	209.9	3.3	28	<0.1	2.2	12.9	27	6.52	3	0.6	3.5	38	0.1	0.1	0.5	31	0.07
N254266	Drill Core	9.26	392	49.3	2638.0	5.4	15	0.3	3.0	14.4	32	7.69	4	0.7	4.4	66	0.2	<0.1	1.6	39	0.06
N254267	Drill Core	9.08	298	65.0	2546.1	9.1	24	0.3	3.7	18.9	29	8.14	2	0.6	4.1	121	0.3	<0.1	1.8	43	0.06
N254268	Drill Core	8.08	227	49.4	1901.9	12.3	26	0.3	3.1	11.2	37	7.28	2	0.7	4.6	36	0.2	<0.1	1.8	40	0.09



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Project: Hushamu

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Method Analyte Unit MDL	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
	%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254238	Drill Core	0.077	5.0	17	1.28	69	0.229	9.09	0.041	1.80	0.2	9.1	13	9.0	5.7	1.3	<0.1	<1	23	1.9	4.8
N254239	Drill Core	0.093	5.5	23	1.16	91	0.218	9.16	0.049	2.27	0.2	10.6	14	16.8	5.2	1.5	<0.1	<1	25	1.1	4.5
N254240	Drill Core	0.072	9.7	17	1.14	144	0.259	8.07	0.063	2.56	0.2	8.1	22	8.9	8.0	1.8	<0.1	<1	20	0.3	2.1
N254241	Rock Pulp	0.052	7.7	19	0.88	713	0.205	6.96	2.322	1.91	1.6	9.6	17	2.9	11.1	2.6	0.2	<1	9	8.3	0.3
N254242	Drill Core	0.072	8.9	24	1.05	226	0.246	8.77	0.062	2.72	0.2	8.8	20	9.6	8.7	1.5	<0.1	<1	29	0.7	2.2
N254243	Drill Core	0.079	5.1	17	0.88	29	0.169	8.13	0.072	1.97	0.3	9.1	13	19.1	6.3	0.9	<0.1	<1	23	1.0	5.9
N254244	Drill Core	0.077	7.2	16	1.05	25	0.177	8.88	0.094	2.65	0.2	13.5	18	12.8	8.1	1.2	<0.1	<1	24	0.5	4.5
N254245	Drill Core	0.082	5.4	18	1.79	58	0.299	8.93	0.035	1.80	0.5	10.2	13	9.7	7.3	2.3	0.1	<1	26	1.3	4.3
N254246	Drill Core	0.032	2.5	8	0.59	33	0.106	3.86	0.017	0.75	0.2	3.4	6	3.9	2.6	0.6	<0.1	<1	11	0.5	3.3
N254247	Drill Core	0.072	4.1	10	1.61	40	0.296	8.31	0.035	1.81	0.7	8.3	11	9.5	5.7	1.6	<0.1	<1	32	1.4	4.0
N254249	Drill Core	0.065	5.6	8	1.80	150	0.302	7.95	0.018	1.39	0.9	10.0	12	8.0	6.3	2.1	<0.1	<1	26	1.3	2.3
N254250	Drill Core	0.069	6.0	9	1.93	195	0.315	8.02	0.024	1.72	0.3	10.2	15	7.0	8.2	1.8	<0.1	<1	28	1.8	2.3
N254251	Drill Core	0.085	4.3	14	1.44	125	0.316	9.12	0.036	2.22	0.9	11.4	11	10.9	5.5	1.8	<0.1	<1	33	1.7	3.0
N254252	Drill Core	0.072	2.7	17	1.63	84	0.315	7.74	0.029	1.70	0.6	8.1	8	9.0	6.2	2.5	<0.1	<1	26	1.1	2.7
N254253	Drill Core	0.060	5.4	12	0.73	32	0.268	6.93	0.022	0.75	0.5	11.6	13	12.3	6.1	2.3	0.1	<1	23	2.0	6.6
N254254	Drill Core	0.074	7.5	16	1.15	64	0.250	8.18	0.035	1.68	0.3	18.1	18	9.5	8.1	2.2	0.1	<1	19	1.1	3.6
N254255	Drill Core	0.037	7.0	9	0.02	9	0.074	6.88	0.040	0.08	0.4	19.2	15	9.0	6.7	1.4	<0.1	<1	12	3.9	8.8
N254256	Drill Core	0.029	6.1	5	0.02	15	0.033	6.19	0.039	0.09	0.5	23.5	13	7.3	2.4	0.8	<0.1	<1	5	1.4	7.3
N254257	Drill Core	0.036	5.7	4	0.46	33	0.071	6.39	0.024	1.38	0.2	36.9	12	12.3	3.6	1.8	0.1	<1	8	<0.1	5.2
N254258	Rock	0.004	<0.1	2	1.66	6	0.002	0.01	0.004	<0.01	<0.1	0.3	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.2	<0.1
N254259	Drill Core	0.042	5.4	5	0.48	57	0.085	5.67	0.028	1.15	0.2	23.2	12	12.1	4.0	1.9	<0.1	<1	8	0.2	4.4
N254260	Drill Core	0.056	5.2	4	0.42	34	0.127	5.99	0.035	0.81	0.3	14.7	12	15.0	6.5	3.0	0.1	<1	10	0.8	6.5
N254261	Drill Core	0.034	9.5	5	<0.01	23	0.046	5.18	0.025	0.03	0.4	25.8	18	11.7	4.0	1.2	<0.1	<1	7	3.1	8.9
N254262	Drill Core	0.023	6.4	4	0.01	24	0.053	5.42	0.027	0.09	0.5	25.3	12	17.8	3.5	1.4	<0.1	<1	5	2.5	8.4
N254263	Drill Core	0.030	8.3	5	0.01	12	0.061	4.81	0.021	0.03	0.6	25.5	16	17.9	2.1	1.6	0.1	<1	4	1.7	9.3
N254264	Rock Pulp	0.066	15.4	32	0.77	328	0.142	5.71	1.764	1.64	4.7	19.7	22	2.9	8.9	1.6	0.1	<1	6	11.4	0.6
N254265	Drill Core	0.033	8.9	4	<0.01	21	0.061	5.24	0.018	0.03	0.7	26.7	17	13.0	1.7	1.7	0.1	<1	4	1.8	7.2
N254266	Drill Core	0.038	6.7	4	0.07	20	0.075	5.89	0.021	0.99	0.2	32.2	14	10.9	3.6	2.1	0.1	<1	6	1.5	7.1
N254267	Drill Core	0.041	5.8	5	0.04	20	0.055	5.44	0.018	0.65	0.3	30.5	13	10.0	4.2	1.6	<0.1	<1	5	0.9	8.8
N254268	Drill Core	0.035	5.9	4	0.08	29	0.091	5.52	0.024	0.26	0.4	33.2	12	13.0	3.0	2.6	0.2	<1	5	1.2	7.1



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# CERTIFICATE OF ANALYSIS

VAN17001212.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254238	Drill Core	36.1	0.3	0.41	0.439	7	0.9	1.2
N254239	Drill Core	42.3	0.3	0.40	0.658	6	0.7	1.4
N254240	Drill Core	52.9	0.2	0.78	0.378	5	<0.5	1.5
N254241	Rock Pulp	34.2	0.5	0.08	0.403	<1	1.4	<0.5
N254242	Drill Core	53.3	0.2	0.46	0.373	4	<0.5	1.6
N254243	Drill Core	35.1	0.3	0.20	0.708	12	<0.5	1.5
N254244	Drill Core	48.7	0.5	0.47	0.350	13	<0.5	2.2
N254245	Drill Core	33.3	0.3	0.39	0.221	8	<0.5	1.3
N254246	Drill Core	15.0	<0.1	0.14	0.083	7	<0.5	0.6
N254247	Drill Core	38.2	0.2	0.40	0.214	10	<0.5	1.5
N254249	Drill Core	27.0	0.3	0.50	0.306	13	<0.5	1.1
N254250	Drill Core	33.0	0.4	0.51	0.352	5	<0.5	1.5
N254251	Drill Core	38.2	0.4	0.75	0.931	12	<0.5	1.5
N254252	Drill Core	27.8	0.3	0.60	0.652	8	<0.5	1.2
N254253	Drill Core	14.4	0.3	0.66	0.260	10	<0.5	0.6
N254254	Drill Core	35.7	0.5	0.34	0.328	7	<0.5	1.6
N254255	Drill Core	1.5	0.6	0.12	0.162	15	<0.5	<0.5
N254256	Drill Core	1.5	0.8	0.11	0.462	10	0.9	<0.5
N254257	Drill Core	18.5	1.1	0.36	0.143	4	<0.5	0.6
N254258	Rock	0.1	<0.1	<0.05	<0.005	<1	2.2	<0.5
N254259	Drill Core	17.8	0.7	0.56	0.242	7	<0.5	0.6
N254260	Drill Core	15.3	0.5	0.30	0.263	11	0.6	0.6
N254261	Drill Core	0.6	0.8	0.07	0.323	12	0.9	<0.5
N254262	Drill Core	1.3	0.8	<0.05	0.158	8	<0.5	<0.5
N254263	Drill Core	0.7	0.8	<0.05	0.167	10	0.6	<0.5
N254264	Rock Pulp	34.8	0.7	0.11	0.340	4	2.5	<0.5
N254265	Drill Core	0.6	0.9	<0.05	0.142	9	<0.5	<0.5
N254266	Drill Core	13.6	1.1	0.08	0.165	7	<0.5	<0.5
N254267	Drill Core	10.2	1.0	<0.05	0.113	9	0.6	<0.5
N254268	Drill Core	4.1	1.1	0.17	0.095	6	0.5	<0.5



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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

# VAN17001212.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254269	Drill Core	4.33	290	169.1	3356.5	9.8	31	0.4	2.8	21.2	39	6.74	4	0.9	4.8	33	0.3	0.1	2.5	43	0.09
N254271	Drill Core	9.13	279	121.1	1022.4	11.9	17	0.2	3.5	21.7	32	6.50	3	0.6	5.4	23	0.2	<0.1	1.6	42	0.09
N254272	Drill Core	8.38	268	105.0	2512.6	9.7	36	0.3	3.0	15.8	34	6.94	4	0.7	4.4	50	0.3	0.1	1.6	79	0.12
N254273	Drill Core	5.63	101	65.3	430.4	7.5	15	0.2	3.2	17.5	22	6.36	7	0.6	4.4	57	0.2	0.2	0.6	40	0.06
N254274	Drill Core	8.72	186	39.6	2499.4	10.8	33	0.6	3.7	19.3	26	9.03	7	0.6	5.3	48	0.4	0.1	1.6	46	0.07
N254275	Rock	1.82	<2	0.1	1.9	0.2	2	<0.1	<0.1	0.6	29	0.03	4	1.5	<0.1	4517	<0.1	<0.1	<0.1	<1	37.65
N254276	Drill Core	8.27	209	62.0	3052.4	9.2	240	0.5	3.3	23.1	31	7.80	3	0.5	4.3	61	2.2	0.1	1.6	41	0.06
N254277	Drill Core	8.74	149	51.7	1059.5	8.8	61	0.3	4.3	21.0	27	9.02	8	0.5	3.9	49	0.4	0.2	1.0	47	0.06
N254278	Drill Core	6.41	48	71.4	44.4	4.8	8	<0.1	1.3	1.5	19	0.61	3	0.6	2.8	59	<0.1	0.3	0.3	57	0.05
N254279	Drill Core	7.64	29	40.8	38.0	4.8	12	<0.1	1.2	0.8	17	0.26	4	0.5	1.7	43	0.2	0.3	0.2	37	0.08
N254280	Drill Core	7.47	86	61.8	58.4	5.3	12	<0.1	2.0	1.8	16	0.46	3	0.6	2.4	43	<0.1	0.1	0.1	35	0.07
N254281	Drill Core	7.40	53	41.6	45.1	5.3	14	<0.1	1.2	1.1	19	0.34	6	0.6	1.0	12	<0.1	0.2	0.1	23	0.02
N254282	Rock Pulp	0.06	208	385.3	1976.3	26.8	61	14.0	16.0	10.3	786	3.77	12	1.0	2.2	442	0.4	36.9	2.3	88	2.75
N254283	Drill Core	7.57	55	156.9	50.3	4.9	12	<0.1	1.5	0.9	18	0.34	8	0.7	2.5	42	<0.1	0.2	0.2	59	0.02
N254284	Drill Core	7.49	70	95.0	61.0	3.6	9	<0.1	1.5	1.1	12	0.40	6	0.8	2.4	55	<0.1	0.3	0.4	66	0.05
N254285	Drill Core	7.70	106	107.0	115.0	5.5	12	<0.1	1.8	0.9	22	0.60	12	0.9	7.2	40	<0.1	0.3	0.3	91	0.05
N254286	Drill Core	7.32	59	70.1	60.3	4.2	12	<0.1	1.5	2.0	16	0.55	5	0.7	3.5	26	<0.1	0.2	0.2	34	0.04
N254287	Drill Core	3.64	138	75.9	226.8	12.7	14	0.1	6.2	13.9	22	3.40	16	0.6	2.9	72	0.2	0.3	1.3	39	0.08
N254289	Drill Core	7.39	136	271.9	76.7	22.6	17	0.2	1.4	1.1	30	1.15	15	0.3	0.6	79	0.3	0.4	0.5	10	0.02
N254290	Drill Core	7.21	123	121.4	60.4	5.5	15	<0.1	1.5	0.8	20	0.87	11	0.4	0.6	84	0.2	0.3	0.2	8	0.02
N254291	Drill Core	7.91	115	164.0	65.6	6.5	17	<0.1	1.8	1.4	23	1.12	33	0.4	0.5	56	<0.1	0.6	0.2	6	0.02
N254292	Drill Core	7.43	140	81.3	116.5	9.3	15	0.1	1.8	4.5	20	1.47	8	0.3	0.9	76	0.2	0.1	0.6	9	0.04
N254293	Drill Core	7.52	226	89.2	584.9	10.2	26	1.0	1.6	2.3	26	1.28	325	0.3	0.5	92	0.2	2.8	2.3	10	0.05
N254294	Drill Core	7.17	142	85.6	160.0	5.9	19	0.8	2.2	2.2	22	1.35	43	0.3	0.7	74	0.1	0.5	1.1	7	0.04
N254295	Drill Core	7.43	411	78.2	2030.7	10.6	21	3.3	4.8	30.1	28	5.29	484	0.4	0.6	35	0.2	2.6	6.3	5	0.02
N254296	Rock	2.01	<2	0.2	4.2	0.2	1	<0.1	0.2	<0.2	28	0.04	<1	1.6	<0.1	4932	<0.1	<0.1	<0.1	<1	37.52
N254297	Drill Core	7.57	360	100.8	1066.3	11.7	23	1.2	3.7	8.5	21	4.53	368	0.3	0.5	40	0.3	2.3	2.9	6	0.06
N254298	Drill Core	7.38	238	150.2	254.5	17.9	16	0.2	2.3	3.1	25	3.29	205	0.3	0.6	106	0.3	3.0	1.9	22	0.05
N254299	Drill Core	6.84	168	96.3	318.7	9.8	16	0.2	4.5	9.6	20	3.65	3	0.4	0.9	63	<0.1	0.1	1.0	8	0.05
N254300	Drill Core	7.60	113	144.2	212.7	6.4	16	0.1	2.8	4.9	20	2.03	16	0.3	0.8	42	0.2	0.4	0.4	8	0.03



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# CERTIFICATE OF ANALYSIS

VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N254269	Drill Core	0.038	5.8	5	0.13	27	0.100	6.30	0.024	0.85	0.6	37.3	12	12.7	4.3	2.9	0.2	<1	7	0.6	6.2	
N254271	Drill Core	0.038	6.6	5	0.05	31	0.075	6.02	0.028	0.22	0.6	27.4	13	10.8	2.4	2.0	0.2	<1	5	0.5	6.5	
N254272	Drill Core	0.051	5.2	4	0.11	22	0.172	7.05	0.021	0.55	0.5	25.0	11	12.4	5.0	3.8	0.2	<1	8	2.1	6.4	
N254273	Drill Core	0.042	3.7	4	<0.01	25	0.065	6.83	0.017	<0.01	0.5	24.4	7	12.2	1.9	1.5	0.1	<1	5	2.9	7.1	
N254274	Drill Core	0.046	4.5	4	<0.01	18	0.064	7.24	0.018	0.01	0.3	22.9	10	13.0	2.9	1.6	0.1	<1	6	3.4	>10	
N254275	Rock	0.003	<0.1	2	1.82	5	0.001	<0.01	0.004	<0.01	<0.1	0.6	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.3	<0.1	
N254276	Drill Core	0.036	4.1	4	<0.01	20	0.056	5.53	0.015	0.02	0.3	20.6	9	13.2	3.8	1.4	0.1	<1	4	2.7	8.7	
N254277	Drill Core	0.032	4.2	4	<0.01	19	0.074	6.01	0.017	0.01	0.2	22.1	9	13.2	2.9	1.5	0.1	<1	5	3.4	9.9	
N254278	Drill Core	0.055	5.5	8	<0.01	27	0.255	7.54	0.021	0.01	0.3	38.5	12	8.3	2.0	3.0	0.2	<1	2	1.1	0.2	
N254279	Drill Core	0.066	3.2	6	0.01	22	0.267	5.99	0.017	<0.01	0.4	34.5	6	7.6	1.9	3.0	0.2	<1	1	1.1	<0.1	
N254280	Drill Core	0.042	5.7	6	<0.01	15	0.130	5.87	0.017	<0.01	0.3	35.1	12	5.0	1.2	2.4	0.1	<1	<1	1.1	0.3	
N254281	Drill Core	0.018	1.1	5	<0.01	8	0.149	4.93	0.013	<0.01	0.2	39.4	2	5.9	1.0	2.9	0.1	<1	<1	1.4	<0.1	
N254282	Rock Pulp	0.049	8.5	18	0.94	752	0.218	7.52	2.359	1.90	1.7	10.3	19	3.0	12.0	2.6	0.2	<1	10	9.8	0.3	
N254283	Drill Core	0.030	4.5	6	<0.01	14	0.118	6.99	0.022	<0.01	0.2	45.1	9	6.0	1.0	2.9	0.2	<1	1	0.8	<0.1	
N254284	Drill Core	0.047	3.2	8	<0.01	16	0.177	7.86	0.023	<0.01	0.1	44.9	7	9.6	1.2	4.5	0.3	<1	2	0.7	0.2	
N254285	Drill Core	0.047	16.1	8	0.01	14	0.200	6.92	0.022	<0.01	0.1	50.5	35	8.6	1.8	4.3	0.3	<1	2	0.8	0.1	
N254286	Drill Core	0.039	8.8	6	<0.01	13	0.130	6.55	0.020	<0.01	0.2	43.7	17	5.1	1.3	2.7	0.2	<1	<1	0.9	0.4	
N254287	Drill Core	0.050	7.7	9	<0.01	24	0.083	6.12	0.019	0.02	0.3	34.2	15	5.6	1.7	1.5	0.1	<1	2	1.0	3.5	
N254289	Drill Core	0.020	1.2	4	<0.01	18	0.069	2.41	0.010	<0.01	0.2	27.5	2	3.3	0.8	1.5	<0.1	<1	<1	0.6	<0.1	
N254290	Drill Core	0.020	0.4	5	<0.01	15	0.064	3.62	0.011	<0.01	0.1	31.6	<1	3.4	0.9	1.3	<0.1	<1	<1	0.7	<0.1	
N254291	Drill Core	0.013	0.4	5	<0.01	13	0.050	1.88	0.008	<0.01	0.2	33.3	<1	4.4	1.2	1.1	<0.1	<1	<1	0.7	0.2	
N254292	Drill Core	0.040	1.0	5	<0.01	27	0.046	3.86	0.013	<0.01	0.2	24.9	2	5.5	1.1	1.0	<0.1	<1	<1	1.4	1.3	
N254293	Drill Core	0.034	0.4	5	<0.01	24	0.038	2.30	0.010	<0.01	0.1	24.8	<1	31.8	0.9	0.8	<0.1	<1	<1	1.2	0.8	
N254294	Drill Core	0.027	0.6	6	<0.01	19	0.053	2.56	0.010	<0.01	0.2	27.9	1	3.1	1.0	0.9	<0.1	<1	<1	1.0	0.7	
N254295	Drill Core	0.020	0.3	5	<0.01	12	0.042	1.02	0.007	<0.01	0.1	31.5	<1	12.4	0.9	0.8	<0.1	<1	<1	0.6	5.6	
N254296	Rock	0.004	0.1	1	2.03	6	<0.001	0.02	0.005	<0.01	<0.1	0.4	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.3	<0.1	
N254297	Drill Core	0.012	0.3	6	<0.01	11	0.028	1.16	0.008	<0.01	<0.1	24.3	<1	9.0	0.8	0.6	<0.1	<1	<1	0.5	4.0	
N254298	Drill Core	0.036	0.5	6	<0.01	28	0.031	2.99	0.011	<0.01	0.1	25.5	1	3.1	0.7	0.6	<0.1	<1	<1	1.1	1.5	
N254299	Drill Core	0.036	1.0	6	<0.01	22	0.039	3.54	0.011	<0.01	0.2	31.0	2	1.9	1.0	0.9	<0.1	<1	<1	1.5	4.0	
N254300	Drill Core	0.022	0.9	5	<0.01	16	0.042	4.29	0.013	<0.01	<0.1	22.5	2	2.8	1.2	0.8	<0.1	<1	<1	1.7	2.2	



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# CERTIFICATE OF ANALYSIS

VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254269	Drill Core	13.4	1.3	0.22	0.364	9	0.6	<0.5
N254271	Drill Core	3.8	1.0	0.05	0.224	5	0.7	<0.5
N254272	Drill Core	10.0	0.9	0.16	0.240	7	0.7	<0.5
N254273	Drill Core	0.2	0.9	<0.05	0.150	11	<0.5	<0.5
N254274	Drill Core	0.3	0.8	0.18	0.095	15	0.9	<0.5
N254275	Rock	<0.1	<0.1	<0.05	0.006	<1	<0.5	<0.5
N254276	Drill Core	0.5	0.7	<0.05	0.175	9	0.8	<0.5
N254277	Drill Core	0.3	0.7	<0.05	0.091	12	0.7	<0.5
N254278	Drill Core	0.5	1.2	0.05	0.070	2	<0.5	<0.5
N254279	Drill Core	0.4	1.0	0.05	0.095	<1	<0.5	<0.5
N254280	Drill Core	0.4	1.1	0.06	0.226	<1	<0.5	<0.5
N254281	Drill Core	0.4	1.2	0.06	0.168	<1	<0.5	<0.5
N254282	Rock Pulp	38.3	0.5	0.05	0.385	<1	1.4	<0.5
N254283	Drill Core	0.4	1.4	<0.05	0.985	3	<0.5	<0.5
N254284	Drill Core	0.3	1.4	<0.05	0.837	<1	<0.5	<0.5
N254285	Drill Core	0.4	1.6	<0.05	0.961	1	<0.5	<0.5
N254286	Drill Core	0.4	1.4	0.05	0.703	2	<0.5	<0.5
N254287	Drill Core	0.4	1.1	0.08	0.589	6	<0.5	<0.5
N254289	Drill Core	0.3	0.9	<0.05	1.077	2	<0.5	<0.5
N254290	Drill Core	0.3	0.9	<0.05	0.155	2	<0.5	<0.5
N254291	Drill Core	0.3	1.0	<0.05	0.128	2	<0.5	<0.5
N254292	Drill Core	0.3	0.8	0.07	0.355	2	<0.5	<0.5
N254293	Drill Core	0.3	0.7	0.20	0.232	6	5.5	<0.5
N254294	Drill Core	0.3	1.0	<0.05	0.189	1	1.2	<0.5
N254295	Drill Core	0.3	1.0	<0.05	0.486	6	5.6	<0.5
N254296	Rock	0.1	<0.1	<0.05	<0.005	2	<0.5	<0.5
N254297	Drill Core	0.3	0.7	0.17	0.560	5	4.0	<0.5
N254298	Drill Core	0.3	0.8	0.23	0.228	5	0.9	<0.5
N254299	Drill Core	0.4	1.0	<0.05	0.659	4	<0.5	<0.5
N254300	Drill Core	0.3	0.7	<0.05	1.424	4	<0.5	<0.5



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# CERTIFICATE OF ANALYSIS

# VAN17001212.1

Method Analyte	Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254301	Drill Core	7.75	187	77.6	460.1	11.0	18	0.3	3.0	5.7	25	2.44	55	0.3	0.9	54	0.1	1.5	0.8	13	0.05
N254302	Drill Core	7.66	119	113.5	317.1	7.6	16	0.3	3.2	7.1	17	2.41	41	0.4	0.6	29	<0.1	1.1	1.0	10	0.03
N254303	Drill Core	7.54	141	70.6	346.4	9.6	13	0.2	2.9	6.2	18	1.90	50	0.4	0.8	56	0.2	1.2	0.8	10	0.06
N254304	Drill Core	7.96	89	56.2	475.9	9.5	14	0.2	3.8	7.7	17	1.93	71	0.4	1.5	96	0.1	1.7	0.6	19	0.08
N254305	Rock Pulp	0.06	2	1.8	49.7	7.8	59	<0.1	7.5	13.7	936	3.95	<1	1.1	2.2	493	<0.1	0.3	<0.1	140	4.33
N254306	Drill Core	7.28	96	56.3	848.6	5.1	13	0.3	3.0	7.0	15	2.10	205	0.5	0.8	13	<0.1	4.5	0.5	23	0.03
N254307	Drill Core	7.70	299	69.6	1836.5	13.8	16	0.8	10.9	28.0	27	7.08	290	0.4	1.7	57	0.1	7.1	4.6	42	0.05
N254308	Drill Core	8.02	432	71.6	9341.5	24.8	33	1.4	14.9	35.7	20	7.33	2727	0.4	1.2	61	0.6	59.9	3.5	135	0.05
N254309	Drill Core	7.55	820	107.5	8620.0	42.6	23	2.3	19.8	57.1	21	10.54	2265	0.6	3.0	76	0.3	64.3	8.8	207	0.09
N254310	Drill Core	6.44	1305	85.8	1479.9	26.5	16	0.9	12.4	26.7	20	9.37	328	0.5	4.2	48	0.1	6.6	5.5	63	0.06
N254311	Drill Core	3.64	400	54.8	2444.9	24.6	15	1.0	7.1	19.1	28	6.14	665	0.7	4.3	84	0.3	16.4	3.9	69	0.08
N254313	Drill Core	8.01	570	49.7	2952.0	18.2	11	1.0	13.3	34.5	21	7.00	261	0.8	4.9	70	<0.1	6.1	12.1	50	0.06
N254314	Drill Core	7.69	174	44.8	1129.2	9.0	14	0.2	6.7	15.7	18	3.31	53	0.6	2.5	22	0.1	1.5	7.0	45	0.06
N254315	Drill Core	7.27	150	43.7	543.3	14.7	16	0.2	4.6	12.8	28	4.10	22	0.8	3.9	30	0.1	0.7	1.2	43	0.08
N254316	Drill Core	7.73	196	59.2	1100.5	25.5	19	0.3	4.3	9.9	29	4.69	47	0.9	3.1	36	0.3	1.4	2.3	53	0.05
N254317	Drill Core	7.88	106	28.2	742.2	69.5	19	0.3	5.3	13.4	29	4.89	16	1.9	5.2	132	0.1	0.9	2.4	83	0.05
N254318	Drill Core	7.77	116	38.3	588.0	34.7	52	0.2	4.2	10.4	27	3.93	20	1.6	4.4	179	0.3	0.9	3.0	74	0.05
N254319	Rock	2.39	<2	<0.1	2.6	0.2	<1	<0.1	<0.1	<0.2	30	0.03	<1	1.6	<0.1	4726	<0.1	<0.1	<0.1	<1	>40
N254320	Drill Core	7.94	255	33.9	2866.2	45.7	449	0.5	4.7	12.9	31	5.33	777	1.7	4.0	85	3.5	19.7	6.8	74	0.08
N254321	Drill Core	8.17	221	40.5	2935.8	34.8	46	0.5	5.1	16.1	20	6.21	508	1.2	3.8	171	0.3	13.7	4.6	62	0.05
N254322	Drill Core	7.78	65	18.2	360.4	30.4	222	0.2	6.1	11.7	181	3.49	10	2.2	3.8	41	0.9	0.6	2.9	86	0.18
N254323	Drill Core	7.40	54	25.0	257.5	20.2	147	<0.1	4.3	10.7	1610	3.74	7	1.8	3.9	34	0.2	0.3	0.4	74	0.39
N254198	Drill Core	8.64	15	1.0	69.6	4.5	30	<0.1	23.1	20.7	205	6.47	5	0.4	1.0	485	<0.1	0.2	0.7	197	4.51
N254199	Drill Core	8.48	14	0.9	121.3	4.8	44	<0.1	22.6	15.4	308	6.18	2	0.5	1.3	491	<0.1	0.2	0.7	212	5.44
N254200	Drill Core	8.76	21	1.4	116.6	4.6	39	<0.1	21.4	20.3	289	6.77	1	0.5	1.1	523	<0.1	0.1	0.6	208	4.69
N254201	Drill Core	3.96	22	1.0	236.5	3.5	34	<0.1	23.8	30.1	305	6.34	1	0.4	0.9	574	<0.1	0.1	0.5	197	4.76
N254118	Drill Core	4.07	53	12.0	568.6	12.6	131	0.1	5.3	10.0	107	3.56	3	1.8	3.7	35	0.2	0.1	0.7	78	0.25
N254143	Drill Core	4.23	52	20.5	306.0	3.4	13	<0.1	4.8	12.4	47	4.56	3	0.8	3.2	102	<0.1	0.2	1.2	67	2.91
N254170	Drill Core	3.80	5	0.9	15.8	5.5	27	<0.1	16.7	20.6	101	4.78	4	0.4	1.0	314	<0.1	0.3	0.8	173	4.17
N254215	Drill Core	4.17	11	2.0	143.5	3.4	24	<0.1	14.9	20.4	77	5.52	39	0.5	1.2	305	0.3	1.8	1.1	147	3.64





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Project: Hushamu

Report Date: July 12, 2017

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# CERTIFICATE OF ANALYSIS

# VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254301	Drill Core	0.027	1.0	5	<0.01	19	0.039	2.27	0.010	<0.01	0.1	21.2	2	17.7	1.0	0.7	<0.1	<1	<1	0.6	2.6
N254302	Drill Core	0.019	0.5	6	<0.01	16	0.035	4.76	0.015	<0.01	0.1	30.0	<1	6.1	0.7	0.7	<0.1	<1	<1	1.4	2.6
N254303	Drill Core	0.040	0.8	5	<0.01	25	0.038	5.65	0.015	<0.01	0.1	28.7	2	5.2	0.7	0.8	<0.1	<1	<1	2.1	2.0
N254304	Drill Core	0.056	2.5	5	<0.01	40	0.055	5.14	0.014	0.01	0.2	26.3	5	24.0	1.1	1.1	<0.1	<1	<1	1.4	2.2
N254305	Rock Pulp	0.052	9.3	10	1.46	584	0.306	8.41	2.636	1.21	3.0	17.7	23	0.6	20.3	3.1	0.2	1	17	7.5	<0.1
N254306	Drill Core	0.011	0.6	5	<0.01	4	0.045	4.75	0.016	<0.01	0.1	37.9	1	38.6	0.7	0.8	<0.1	<1	<1	2.2	2.3
N254307	Drill Core	0.045	3.6	5	<0.01	22	0.032	1.68	0.010	<0.01	<0.1	29.2	7	86.0	1.3	0.7	<0.1	<1	<1	0.3	8.4
N254308	Drill Core	0.032	2.1	7	<0.01	24	0.029	3.37	0.012	<0.01	<0.1	27.5	4	517.1	1.8	0.5	<0.1	<1	<1	1.8	9.0
N254309	Drill Core	0.061	6.0	8	<0.01	22	0.033	4.41	0.016	0.01	0.1	36.5	11	572.9	1.3	0.6	<0.1	<1	<1	1.9	>10
N254310	Drill Core	0.052	8.7	9	<0.01	25	0.061	6.30	0.017	0.01	0.1	25.8	17	69.5	1.6	1.0	<0.1	<1	2	1.7	9.3
N254311	Drill Core	0.057	8.6	6	<0.01	33	0.054	3.36	0.014	0.01	0.2	32.7	16	197.9	1.8	1.0	<0.1	<1	1	1.0	6.1
N254313	Drill Core	0.049	10.8	6	<0.01	30	0.057	4.89	0.015	0.01	0.2	35.2	20	97.7	2.1	1.1	0.1	<1	1	1.6	8.2
N254314	Drill Core	0.039	6.0	7	<0.01	27	0.088	5.83	0.018	0.01	0.2	29.7	12	15.7	1.6	1.2	<0.1	<1	2	1.1	3.6
N254315	Drill Core	0.068	11.3	8	<0.01	38	0.156	6.21	0.019	0.02	0.4	39.0	23	7.1	2.8	2.3	0.2	<1	2	0.8	4.3
N254316	Drill Core	0.038	7.7	6	<0.01	37	0.114	5.99	0.019	0.02	0.3	34.7	16	13.8	1.8	2.0	0.2	<1	2	1.2	4.8
N254317	Drill Core	0.037	10.0	5	<0.01	43	0.207	7.48	0.014	0.01	0.5	61.5	20	4.6	4.8	4.5	0.4	<1	5	1.7	5.4
N254318	Drill Core	0.043	8.4	7	<0.01	55	0.174	7.41	0.016	0.02	0.4	53.3	17	6.4	4.9	4.0	0.3	<1	6	2.0	4.2
N254319	Rock	0.003	0.2	2	1.91	8	0.002	0.04	0.005	<0.01	<0.1	0.5	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.3	<0.1
N254320	Drill Core	0.034	8.2	7	<0.01	32	0.189	6.75	0.015	0.02	0.5	50.5	16	18.3	9.3	4.5	0.3	<1	7	2.7	6.0
N254321	Drill Core	0.034	8.1	6	<0.01	25	0.126	6.60	0.015	0.02	0.4	41.7	16	18.1	6.1	2.7	0.2	<1	5	4.5	7.1
N254322	Drill Core	0.042	7.7	9	0.55	28	0.242	8.03	0.076	2.04	0.5	62.1	18	4.5	12.2	5.2	0.4	1	10	2.1	3.6
N254323	Drill Core	0.044	12.8	6	0.84	45	0.229	7.22	0.092	2.54	0.4	57.7	27	6.1	19.9	5.1	0.4	1	8	2.1	2.7
N254198	Drill Core	0.099	7.2	30	2.06	116	0.113	8.94	1.866	0.83	<0.1	34.1	17	1.6	8.5	0.8	<0.1	<1	21	5.0	5.4
N254199	Drill Core	0.103	11.1	31	2.48	231	0.185	9.71	1.724	0.41	0.1	41.3	24	1.6	14.5	1.3	<0.1	<1	23	5.0	3.8
N254200	Drill Core	0.103	9.9	30	2.31	153	0.136	9.54	2.075	0.16	<0.1	37.7	21	0.9	12.2	1.0	<0.1	<1	21	4.9	3.4
N254201	Drill Core	0.101	9.3	30	2.43	190	0.156	9.28	2.153	0.22	<0.1	39.3	22	1.3	10.8	1.1	<0.1	<1	20	4.2	4.1
N254118	Drill Core	0.043	7.0	6	0.96	80	0.098	6.92	0.094	0.98	0.4	55.1	15	10.1	4.1	1.7	0.1	1	9	2.8	2.6
N254143	Drill Core	0.034	6.8	5	0.69	32	0.068	5.97	0.063	1.54	0.3	35.0	15	4.9	3.9	0.9	<0.1	<1	9	2.9	7.0
N254170	Drill Core	0.097	8.1	14	1.91	65	0.074	8.48	0.645	0.96	<0.1	35.4	19	4.9	6.4	0.7	<0.1	<1	18	6.1	7.9
N254215	Drill Core	0.104	9.7	12	1.79	35	0.083	8.20	0.551	0.90	0.1	33.2	23	4.8	6.3	0.9	<0.1	1	14	7.9	8.6



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# CERTIFICATE OF ANALYSIS

VAN17001212.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254301	Drill Core	0.5	0.6	0.07	0.662	3	0.8	<0.5
N254302	Drill Core	0.4	1.0	0.06	0.885	3	0.5	<0.5
N254303	Drill Core	0.3	0.8	<0.05	0.547	2	0.7	<0.5
N254304	Drill Core	0.3	0.8	<0.05	0.488	<1	0.7	<0.5
N254305	Rock Pulp	19.5	0.9	0.06	0.006	1	0.7	<0.5
N254306	Drill Core	0.1	1.1	<0.05	0.432	5	0.9	<0.5
N254307	Drill Core	0.5	0.9	0.14	0.519	5	1.8	<0.5
N254308	Drill Core	0.4	0.9	0.29	0.633	6	11.3	<0.5
N254309	Drill Core	0.4	1.2	0.39	0.644	8	12.1	<0.5
N254310	Drill Core	0.3	0.8	0.24	0.430	7	2.8	<0.5
N254311	Drill Core	0.4	1.0	0.08	0.363	6	5.8	<0.5
N254313	Drill Core	0.3	1.2	<0.05	0.327	4	1.9	<0.5
N254314	Drill Core	0.3	0.9	0.09	0.366	3	<0.5	<0.5
N254315	Drill Core	0.8	1.3	0.10	0.302	3	<0.5	<0.5
N254316	Drill Core	0.7	1.0	0.07	0.375	5	0.6	<0.5
N254317	Drill Core	0.4	1.9	0.11	0.108	5	0.7	<0.5
N254318	Drill Core	0.5	1.7	0.31	0.248	4	0.9	<0.5
N254319	Rock	0.2	<0.1	<0.05	<0.005	1	0.7	<0.5
N254320	Drill Core	0.6	1.4	0.40	0.232	5	4.7	<0.5
N254321	Drill Core	0.4	1.3	0.22	0.209	5	5.2	<0.5
N254322	Drill Core	48.6	1.9	0.26	0.177	2	1.3	0.8
N254323	Drill Core	64.3	1.8	0.29	0.216	1	0.6	0.8
N254198	Drill Core	9.8	0.9	0.06	0.008	3	0.9	<0.5
N254199	Drill Core	8.9	1.1	0.18	0.010	4	0.8	<0.5
N254200	Drill Core	3.2	1.0	0.16	<0.005	3	0.6	<0.5
N254201	Drill Core	1.6	1.2	0.13	<0.005	4	0.7	<0.5
N254118	Drill Core	15.0	1.8	0.36	0.062	7	<0.5	1.4
N254143	Drill Core	25.5	1.0	0.07	0.057	10	0.9	1.0
N254170	Drill Core	9.1	1.0	0.07	<0.005	6	0.7	0.5
N254215	Drill Core	9.8	0.9	0.13	0.010	7	1.2	<0.5



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# QUALITY CONTROL REPORT

## VAN17001212.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254228	Drill Core	3.41	281	75.7	2249.4	7.5	72	0.4	8.8	22.3	154	11.13	3	0.6	0.7	16	0.4	<0.1	1.1	275	0.45
REP N254228	QC			76.7	2359.1	7.7	75	0.4	9.8	23.9	156	11.38	3	0.6	0.9	16	<0.1	<0.1	1.0	283	0.46
N254231	Drill Core	9.26	445	184.1	4282.9	13.8	86	0.8	16.4	31.9	155	12.23	3	0.7	1.2	14	0.4	0.1	2.2	337	0.34
REP N254231	QC		435																		
N254264	Rock Pulp	0.06	621	324.6	3824.6	27.4	108	14.9	26.3	67.9	1468	4.68	1932	2.2	1.4	431	0.6	40.7	13.9	59	5.85
REP N254264	QC			329.5	3926.1	27.2	105	15.0	24.9	67.7	1450	4.64	1922	2.2	1.2	438	1.0	41.0	13.6	59	5.87
N254265	Drill Core	6.95	103	51.1	209.9	3.3	28	<0.1	2.2	12.9	27	6.52	3	0.6	3.5	38	0.1	0.1	0.5	31	0.07
REP N254265	QC		109																		
REP N254275	QC		4																		
N254301	Drill Core	7.75	187	77.6	460.1	11.0	18	0.3	3.0	5.7	25	2.44	55	0.3	0.9	54	0.1	1.5	0.8	13	0.05
REP N254301	QC		185	83.6	471.6	11.4	20	0.3	3.4	5.9	24	2.45	57	0.3	0.8	56	0.1	1.5	0.8	13	0.05
REP N254310	QC		1323																		
N254199	Drill Core	8.48	14	0.9	121.3	4.8	44	<0.1	22.6	15.4	308	6.18	2	0.5	1.3	491	<0.1	0.2	0.7	212	5.44
REP N254199	QC			1.0	126.7	4.6	43	<0.1	22.8	16.3	301	6.26	3	0.5	1.3	483	<0.1	0.2	0.6	214	5.42
N254200	Drill Core	8.76	21	1.4	116.6	4.6	39	<0.1	21.4	20.3	289	6.77	1	0.5	1.1	523	<0.1	0.1	0.6	208	4.69
REP N254200	QC		20																		
Core Reject Duplicates																					
N254239	Drill Core	8.76	556	141.4	6182.4	8.4	54	0.6	18.0	34.9	99	9.02	3	0.3	1.0	13	0.2	0.1	1.5	232	0.33
DUP N254239	QC		684	139.2	6197.0	8.7	56	0.6	19.4	37.1	98	9.29	2	0.3	1.1	13	0.1	0.1	1.6	237	0.36
N254275	Rock	1.82	<2	0.1	1.9	0.2	2	<0.1	<0.1	0.6	29	0.03	4	1.5	<0.1	4517	<0.1	<0.1	<0.1	<1	37.65
DUP N254275	QC		5	<0.1	1.4	0.2	<1	<0.1	<0.1	0.5	27	0.03	6	1.4	<0.1	4366	<0.1	<0.1	<0.1	<1	37.03
N254310	Drill Core	6.44	1305	85.8	1479.9	26.5	16	0.9	12.4	26.7	20	9.37	328	0.5	4.2	48	0.1	6.6	5.5	63	0.06
DUP N254310	QC		1329	83.9	1473.4	26.2	16	0.8	12.6	26.3	20	9.29	326	0.5	4.1	49	0.2	7.4	5.2	63	0.06
Reference Materials																					
STD OREAS25A-4A	Standard			2.6	34.8	26.6	45	<0.1	46.4	7.8	522	6.69	10	3.0	17.3	54	<0.1	0.7	0.4	162	0.29
STD OREAS25A-4A	Standard			2.4	34.4	26.3	43	<0.1	44.5	7.3	537	6.68	9	3.0	17.0	51	<0.1	0.6	0.4	159	0.30
STD OREAS25A-4A	Standard			2.3	35.8	24.3	44	<0.1	46.3	7.7	506	6.65	12	2.8	15.0	48	<0.1	0.7	0.4	158	0.29
STD OREAS25A-4A	Standard			2.4	34.8	24.5	45	<0.1	44.4	8.0	495	6.64	10	2.9	15.6	50	<0.1	0.6	0.3	161	0.33



# QUALITY CONTROL REPORT

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Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254228	Drill Core	0.095	3.6	6	2.07	95	0.252	7.70	0.039	1.29	0.2	13.2	11	5.6	6.0	1.3	<0.1	<1	25	1.5	3.4
REP N254228	QC	0.100	4.1	6	2.12	97	0.236	7.97	0.038	1.32	0.2	13.3	12	5.8	6.8	1.3	<0.1	<1	26	1.5	3.5
N254231	Drill Core	0.056	7.8	16	1.75	85	0.200	7.91	0.034	1.45	0.2	16.5	21	7.1	6.7	1.5	<0.1	<1	22	1.5	4.3
REP N254231	QC																				
N254264	Rock Pulp	0.066	15.4	32	0.77	328	0.142	5.71	1.764	1.64	4.7	19.7	22	2.9	8.9	1.6	0.1	<1	6	11.4	0.6
REP N254264	QC	0.063	15.7	31	0.77	413	0.142	5.81	1.757	1.67	3.4	20.1	23	2.9	8.9	1.7	<0.1	1	6	12.0	0.6
N254265	Drill Core	0.033	8.9	4	<0.01	21	0.061	5.24	0.018	0.03	0.7	26.7	17	13.0	1.7	1.7	0.1	<1	4	1.8	7.2
REP N254265	QC																				
REP N254275	QC																				
N254301	Drill Core	0.027	1.0	5	<0.01	19	0.039	2.27	0.010	<0.01	0.1	21.2	2	17.7	1.0	0.7	<0.1	<1	<1	0.6	2.6
REP N254301	QC	0.029	0.9	4	<0.01	21	0.037	2.30	0.010	<0.01	0.1	21.7	2	17.9	1.0	0.7	<0.1	<1	<1	0.9	2.7
REP N254310	QC																				
N254199	Drill Core	0.103	11.1	31	2.48	231	0.185	9.71	1.724	0.41	0.1	41.3	24	1.6	14.5	1.3	<0.1	<1	23	5.0	3.8
REP N254199	QC	0.098	11.2	29	2.47	227	0.184	9.62	1.721	0.41	<0.1	39.9	25	1.6	14.4	1.2	<0.1	<1	22	5.2	3.8
N254200	Drill Core	0.103	9.9	30	2.31	153	0.136	9.54	2.075	0.16	<0.1	37.7	21	0.9	12.2	1.0	<0.1	<1	21	4.9	3.4
REP N254200	QC																				
Core Reject Duplicates																					
N254239	Drill Core	0.093	5.5	23	1.16	91	0.218	9.16	0.049	2.27	0.2	10.6	14	16.8	5.2	1.5	<0.1	<1	25	1.1	4.5
DUP N254239	QC	0.099	5.5	22	1.19	76	0.221	9.19	0.048	2.36	0.2	10.5	14	17.3	5.4	1.6	<0.1	<1	26	1.1	4.7
N254275	Rock	0.003	<0.1	2	1.82	5	0.001	<0.01	0.004	<0.01	<0.1	0.6	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.3	<0.1
DUP N254275	QC	0.003	<0.1	2	1.78	5	<0.001	0.01	0.004	<0.01	<0.1	0.2	<1	<0.1	0.2	0.1	<0.1	<1	<1	0.1	<0.1
N254310	Drill Core	0.052	8.7	9	<0.01	25	0.061	6.30	0.017	0.01	0.1	25.8	17	69.5	1.6	1.0	<0.1	<1	2	1.7	9.3
DUP N254310	QC	0.051	8.7	9	<0.01	25	0.059	6.24	0.017	0.01	0.1	25.5	17	75.2	1.6	1.0	<0.1	<1	1	1.7	9.1
Reference Materials																					
STD OREAS25A-4A	Standard	0.049	24.4	110	0.36	163	0.967	9.51	0.127	0.51	1.9	153.0	54	4.1	12.0	19.2	1.5	<1	13	39.2	<0.1
STD OREAS25A-4A	Standard	0.047	21.9	119	0.36	152	0.966	9.26	0.128	0.50	1.7	150.8	50	3.9	10.6	19.3	1.4	1	13	39.5	<0.1
STD OREAS25A-4A	Standard	0.050	22.0	105	0.33	146	0.941	9.37	0.119	0.49	2.0	151.5	47	3.9	11.1	19.3	1.4	<1	13	35.9	<0.1
STD OREAS25A-4A	Standard	0.049	22.5	111	0.33	151	0.924	9.31	0.118	0.52	2.0	149.0	49	4.0	11.2	19.6	1.4	1	13	36.8	<0.1



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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

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Method Analyte		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254228	Drill Core	14.7	0.5	0.42	0.395	4	<0.5	1.1
REP N254228	QC	16.8	0.5	0.34	0.390	4	<0.5	1.2
N254231	Drill Core	34.6	0.6	0.37	0.846	7	<0.5	1.1
REP N254231	QC							
N254264	Rock Pulp	34.8	0.7	0.11	0.340	4	2.5	<0.5
REP N254264	QC	36.1	0.6	0.12	0.379	4	2.5	<0.5
N254265	Drill Core	0.6	0.9	<0.05	0.142	9	<0.5	<0.5
REP N254265	QC							
REP N254275	QC							
N254301	Drill Core	0.5	0.6	0.07	0.662	3	0.8	<0.5
REP N254301	QC	0.5	0.6	<0.05	0.689	5	0.8	<0.5
REP N254310	QC							
N254199	Drill Core	8.9	1.1	0.18	0.010	4	0.8	<0.5
REP N254199	QC	8.5	1.2	0.19	0.006	2	0.8	<0.5
N254200	Drill Core	3.2	1.0	0.16	<0.005	3	0.6	<0.5
REP N254200	QC							
Core Reject Duplicates								
N254239	Drill Core	42.3	0.3	0.40	0.658	6	0.7	1.4
DUP N254239	QC	44.2	0.3	0.37	0.636	8	0.8	1.5
N254275	Rock	<0.1	<0.1	<0.05	0.006	<1	<0.5	<0.5
DUP N254275	QC	<0.1	<0.1	<0.05	0.005	3	<0.5	<0.5
N254310	Drill Core	0.3	0.8	0.24	0.430	7	2.8	<0.5
DUP N254310	QC	0.3	0.7	0.27	0.415	7	2.0	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	65.3	4.1	0.08	0.006	<1	<0.5	<0.5
STD OREAS25A-4A	Standard	60.8	3.9	0.12	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	60.0	3.7	0.15	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	61.2	4.1	0.08	<0.005	3	<0.5	<0.5



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Project: Hushamu

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# QUALITY CONTROL REPORT

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		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS45E	Standard			2.3	800.2	19.5	50	0.3	481.3	63.8	619	26.23	16	2.7	14.3	19	<0.1	1.1	0.2	335	0.07
STD OREAS45E	Standard			2.4	787.3	20.2	49	0.3	469.9	60.7	621	26.03	18	2.8	15.1	19	<0.1	1.1	0.3	325	0.08
STD OREAS45E	Standard			2.4	812.1	19.2	47	0.3	481.0	60.3	591	24.89	17	2.6	13.4	18	<0.1	0.9	0.4	342	0.08
STD OREAS45E	Standard			2.1	825.5	19.2	49	0.3	480.5	61.0	598	25.20	19	2.7	13.9	17	<0.1	1.0	0.3	345	0.09
STD OXC145	Standard		217																		
STD OXC145	Standard		202																		
STD OXC145	Standard		222																		
STD OXC145	Standard		216																		
STD OXC145	Standard		218																		
STD OXC145	Standard		222																		
STD OXH122	Standard		1244																		
STD OXH122	Standard		1283																		
STD OXH122	Standard		1277																		
STD OXH122 Expected			1247																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXC145 Expected			212																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<2																		



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# QUALITY CONTROL REPORT

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS45E	Standard	0.035	11.6	1075	0.18	263	0.553	7.32	0.062	0.37	1.1	100.3	26	0.9	8.8	6.2	0.5	<1	98	7.9	<0.1
STD OREAS45E	Standard	0.034	12.2	1087	0.17	279	0.536	7.24	0.060	0.37	1.0	102.4	26	1.3	9.2	6.4	0.6	<1	95	8.5	<0.1
STD OREAS45E	Standard	0.035	11.5	995	0.17	263	0.542	7.26	0.057	0.36	1.1	98.4	25	1.5	8.7	6.3	0.5	<1	97	7.5	<0.1
STD OREAS45E	Standard	0.036	12.2	1084	0.16	276	0.555	7.26	0.056	0.35	1.0	97.5	26	1.5	8.4	6.4	0.6	<1	97	7.0	<0.1
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122 Expected																					
STD OREAS25A-4A Expected		0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXC145 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.005	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	2	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.2	<0.1
BLK	Blank	<0.001	<0.1	3	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				



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# QUALITY CONTROL REPORT

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		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
STD OREAS45E	Standard	23.0	2.9	0.09	<0.005	1	<0.5	<0.5
STD OREAS45E	Standard	23.1	2.9	0.13	<0.005	<1	<0.5	<0.5
STD OREAS45E	Standard	22.3	2.9	0.10	<0.005	1	<0.5	<0.5
STD OREAS45E	Standard	22.6	3.1	0.08	0.006	2	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122 Expected								
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXC145 Expected								
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank							





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# QUALITY CONTROL REPORT

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		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank		<2																		
Prep Wash																					
ROCK-VAN	Prep Blank		<2	0.9	5.1	3.0	43	<0.1	2.1	4.5	764	2.12	2	1.4	2.9	223	<0.1	0.2	0.1	33	1.53
ROCK-VAN	Prep Blank		<2	0.9	6.1	2.7	40	<0.1	1.5	4.3	763	2.15	2	1.3	3.0	225	<0.1	0.1	<0.1	34	1.54



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 12, 2017

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Part: 2 of 3

## QUALITY CONTROL REPORT

VAN17001212.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank	0.041	13.7	4	0.54	808	0.220	6.99	3.707	1.59	0.4	56.4	26	0.9	17.2	6.0	0.4	1	7	2.3	<0.1
ROCK-VAN	Prep Blank	0.041	13.5	4	0.53	817	0.216	7.08	3.740	1.59	0.3	55.1	25	1.0	16.9	5.6	0.4	1	7	2.5	<0.1



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PHONE (604) 253-3158

**Client: Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 12, 2017

Page: 3 of 3

Part: 3 of 3

## QUALITY CONTROL REPORT

VAN17001212.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
BLK	Blank							
Prep Wash								
ROCK-VAN	Prep Blank	31.3	1.9	0.06	<0.005	2	<0.5	<0.5
ROCK-VAN	Prep Blank	32.1	2.0	<0.05	<0.005	2	<0.5	<0.5



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 20, 2017  
Report Date: July 22, 2017  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN17001212R.1

## CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 1

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
MA200	1	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 60 days Invoice for Storage

## ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client: Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

Page: 2 of 2

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN17001212R.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001	0.1	
N254305	Rock Pulp	2.3	46.6	7.4	51	<0.1	6.2	13.0	893	3.79	1	0.9	2.0	446	<0.1	0.2	0.1	136	4.03	0.050	8.2



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

Page: 2 of 2

Part: 2 of 3

# CERTIFICATE OF ANALYSIS

VAN17001212R.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf	
Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1	
N254305	Rock Pulp	10	1.44	570	0.284	7.56	2.473	1.12	3.3	15.1	20	0.8	15.8	2.8	0.2	<1	15	6.9	<0.1	13.0	0.9



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PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

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Part: 3 of 3

## CERTIFICATE OF ANALYSIS

VAN17001212R.1

Method	MA200	MA200	MA200	MA200	MA200	
	In	Re	Se	Te	Tl	
Analyte						
Unit	ppm	ppm	ppm	ppm	ppm	
MDL	0.05	0.005	1	0.5	0.5	
N254305	Rock Pulp	0.08	<0.005	<1	<0.5	<0.5



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PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

**Project:** Hushamu  
**Report Date:** July 22, 2017

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Part: 1 of 3

# QUALITY CONTROL REPORT

VAN17001212R.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.01	0.001	0.1
Reference Materials																					
STD OREAS25A-4A	Standard	2.4	32.9	25.3	39	<0.1	43.4	7.8	493	6.66	10	2.9	16.7	46	<0.1	0.6	0.4	163	0.29	0.047	22.2
STD OREAS45E	Standard	2.1	792.2	20.0	44	0.3	471.4	59.1	569	25.43	17	2.5	14.4	18	<0.1	1.0	0.3	322	0.07	0.031	10.6
STD OREAS25A-4A Expected		2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283	0.0495	21.8
STD OREAS45E Expected		2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	0.034	11
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.001	<0.1	





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**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 22, 2017

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Part: 2 of 3

# QUALITY CONTROL REPORT

VAN17001212R.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf	
Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1	
Reference Materials																					
STD OREAS25A-4A	Standard	114	0.35	145	0.944	9.17	0.125	0.48	1.8	147.9	48	3.7	9.7	18.3	1.3	<1	12	36.9	<0.1	57.7	4.0
STD OREAS45E	Standard	1109	0.17	248	0.545	7.07	0.060	0.34	1.1	99.7	24	1.4	7.8	5.9	0.5	<1	95	6.6	<0.1	21.2	3.2
STD OREAS25A-4A Expected		120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	61	4.28
STD OREAS45E Expected		979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	21.2	3.11
BLK	Blank	<1	<0.01	<1	<0.001	<0.01	0.004	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1



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PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 22, 2017

Page: 1 of 1

Part: 3 of 3

## QUALITY CONTROL REPORT

VAN17001212R.1

Method	MA200	MA200	MA200	MA200	MA200	
Analyte	In	Re	Se	Te	Tl	
Unit	ppm	ppm	ppm	ppm	ppm	
MDL	0.05	0.005	1	0.5	0.5	
Reference Materials						
STD OREAS25A-4A	Standard	0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	0.12	<0.005	3	<0.5	<0.5
STD OREAS25A-4A Expected		0.09		2.5		0.35
STD OREAS45E Expected		0.099		2.97	0.1	0.09
BLK	Blank	<0.05	<0.005	<1	<0.5	<0.5



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PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: June 28, 2017  
Report Date: July 17, 2017  
Page: 1 of 5

## CERTIFICATE OF ANALYSIS

VAN17001275.1

### CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 120

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 60 days Invoice for Storage

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

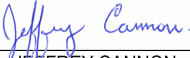
Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	114	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
FA350-Au	120	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	120	Environmental disposal charge-Fire assay lead waste			VAN
MA200	120	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

### ADDITIONAL COMMENTS

  
JEFFREY CANNON  
Geochemistry Department Supervisor

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 17, 2017

Page: 2 of 5

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN17001275.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254202	Drill Core	3.34	23	0.8	234.7	4.1	33	<0.1	23.7	29.0	246	6.06	1	0.4	0.9	513	0.1	0.1	0.5	201	4.53
N254229	Drill Core	3.32	250	73.3	2080.6	8.6	85	0.4	9.5	25.8	138	10.97	<1	0.6	0.7	15	0.2	<0.1	1.1	267	0.40
N254248	Drill Core	4.65	457	58.5	3640.2	10.6	93	1.0	12.1	26.0	113	8.91	3	0.3	0.7	15	0.5	<0.1	1.2	263	0.27
N254270	Drill Core	4.62	241	95.3	3122.7	12.2	43	0.3	2.3	17.9	29	5.86	1	0.9	4.9	33	0.3	<0.1	2.2	44	0.12
N254288	Drill Core	3.49	140	68.3	238.2	14.7	16	0.2	5.6	12.6	19	3.40	16	0.6	3.0	57	0.2	0.3	1.5	37	0.07
N254312	Drill Core	3.27	429	56.0	1935.7	22.8	24	1.2	8.6	22.4	18	7.23	365	0.7	3.8	65	0.4	8.8	4.1	65	0.07
N254324	Drill Core	7.77	92	39.6	464.8	23.9	161	0.2	3.8	10.2	105	2.96	7	1.4	3.1	56	0.6	0.4	0.6	59	0.25
N254325	Drill Core	7.78	95	52.5	296.5	18.9	40	0.1	2.0	4.0	36	2.01	75	0.5	1.3	26	0.3	3.3	1.2	23	0.06
N254326	Rock Pulp	0.06	244	365.9	1855.8	25.4	58	11.8	14.9	9.9	741	3.50	13	0.9	1.9	410	0.5	30.6	1.9	84	2.64
N254327	Drill Core	7.66	170	66.3	980.9	14.8	15	0.2	2.4	8.0	13	3.86	30	0.3	1.3	62	0.1	1.2	1.0	18	0.04
N254328	Drill Core	6.67	194	188.2	372.8	14.5	19	0.1	1.9	6.2	16	3.77	13	0.2	0.6	36	0.3	0.5	0.9	9	0.03
N254329	Drill Core	7.65	265	65.1	6385.6	7.0	20	0.2	4.9	11.8	21	4.13	77	0.3	0.6	8	0.1	2.0	1.3	10	0.02
N254330	Drill Core	8.44	219	59.3	1074.2	12.6	16	<0.1	5.5	15.3	16	5.82	41	0.6	2.6	57	0.3	1.6	1.4	37	0.07
N254331	Drill Core	7.95	166	85.2	877.0	16.3	16	<0.1	4.2	11.5	12	4.01	46	0.5	2.3	74	0.2	1.4	1.0	31	0.07
N254332	Drill Core	7.69	220	146.6	500.4	23.7	14	0.2	1.3	4.4	11	4.85	9	0.5	1.1	67	0.3	0.4	1.5	15	0.06
N254333	Drill Core	3.43	151	107.9	1910.0	24.1	12	0.1	1.7	5.6	11	4.03	22	0.4	0.9	72	0.2	0.9	1.2	28	0.05
N254335	Drill Core	8.01	77	113.0	129.0	14.6	15	<0.1	0.7	0.9	12	1.12	36	0.4	1.6	53	0.2	0.6	0.2	18	0.05
N254336	Drill Core	7.79	104	67.0	214.9	9.3	15	<0.1	3.0	9.1	10	2.61	4	0.3	1.1	18	0.1	0.1	0.5	15	0.03
N254337	Drill Core	7.75	97	42.9	180.7	15.2	13	0.3	3.0	10.0	15	2.80	6	0.6	3.2	37	<0.1	0.2	0.5	22	0.05
N254338	Drill Core	7.55	139	54.3	343.4	10.1	17	<0.1	3.1	8.5	11	3.11	2	0.2	0.4	53	0.2	0.1	0.7	5	0.02
N254339	Drill Core	7.61	164	55.6	255.6	11.7	19	<0.1	1.7	4.3	11	2.97	3	0.2	0.4	33	0.2	0.1	0.7	6	0.02
N254340	Drill Core	7.82	151	61.9	404.3	9.3	16	<0.1	2.6	10.3	12	2.35	19	0.3	0.7	33	0.2	0.3	0.7	13	0.05
N254341	Drill Core	7.27	138	66.3	240.3	10.4	17	<0.1	2.2	9.2	12	2.16	51	0.3	0.7	30	0.1	0.7	0.6	12	0.03
N254342	Rock	1.82	<2	0.1	1.2	0.2	1	<0.1	0.1	<0.2	34	0.04	<1	1.3	<0.1	3964	<0.1	<0.1	<0.1	<1	36.56
N254343	Drill Core	6.89	243	70.3	1319.3	14.3	23	<0.1	4.4	13.3	43	4.88	19	0.4	1.4	28	0.2	0.8	1.3	16	0.05
N254344	Drill Core	7.59	197	75.4	1561.5	12.6	20	<0.1	5.4	18.0	32	5.09	46	0.4	1.6	29	0.2	1.5	0.9	30	0.05
N254345	Drill Core	7.86	232	76.8	2536.5	11.1	18	0.1	4.9	16.5	33	4.75	95	0.3	1.3	25	0.2	2.7	1.1	25	0.04
N254346	Drill Core	7.12	147	67.8	3030.8	7.8	15	<0.1	2.1	5.7	30	1.88	68	0.3	0.6	42	0.2	3.0	0.8	23	0.04
N254347	Drill Core	7.50	278	61.4	6807.5	9.6	26	0.2	1.5	4.4	32	1.95	407	0.4	0.7	48	0.2	7.2	1.6	17	0.04
N254348	Drill Core	7.45	140	58.1	233.3	8.3	16	<0.1	0.8	2.2	32	1.13	17	0.3	0.7	55	0.2	0.5	0.6	8	0.04



Bureau Veritas Commodities Canada Ltd.

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Project: Hushamu

Report Date: July 17, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254202	Drill Core	0.097	8.4	27	2.36	176	0.174	9.16	2.136	0.25	<0.1	38.3	19	1.4	9.4	1.2	<0.1	1	21	4.3	3.9
N254229	Drill Core	0.093	4.3	5	2.10	73	0.261	7.88	0.039	1.14	0.2	13.5	13	5.4	6.3	1.5	<0.1	<1	25	1.6	3.6
N254248	Drill Core	0.077	3.8	9	1.46	94	0.300	8.11	0.036	1.85	0.7	9.0	10	9.8	4.8	1.7	<0.1	<1	28	1.3	4.0
N254270	Drill Core	0.041	5.8	3	0.14	43	0.114	6.24	0.023	0.80	0.7	38.3	13	11.3	4.0	3.5	0.3	<1	7	1.1	5.2
N254288	Drill Core	0.053	7.5	8	0.01	25	0.076	5.66	0.017	0.02	0.3	32.2	15	5.6	1.6	1.6	0.1	<1	2	1.3	3.7
N254312	Drill Core	0.053	7.7	5	<0.01	26	0.064	3.11	0.013	0.02	0.2	32.5	14	185.9	1.6	1.3	0.1	<1	1	0.8	7.5
N254324	Drill Core	0.039	8.5	6	0.28	49	0.179	6.80	0.152	1.99	0.4	46.9	19	6.6	8.0	4.2	0.3	<1	6	0.7	3.1
N254325	Drill Core	0.031	3.2	6	0.07	186	0.081	2.41	0.028	0.60	0.3	24.2	6	11.3	2.4	1.7	0.1	<1	2	0.7	1.1
N254326	Rock Pulp	0.052	7.5	19	0.87	666	0.204	7.06	2.191	1.78	1.5	9.2	16	2.9	10.5	2.5	0.2	<1	9	7.9	0.3
N254327	Drill Core	0.028	2.4	4	<0.01	23	0.040	3.90	0.015	0.02	0.2	20.1	5	13.6	0.8	0.8	<0.1	<1	<1	3.0	3.5
N254328	Drill Core	0.020	0.7	6	<0.01	14	0.026	2.46	0.012	0.01	0.1	18.2	1	2.8	0.6	0.5	<0.1	<1	<1	1.7	2.3
N254329	Drill Core	0.010	0.4	3	<0.01	7	0.040	0.58	0.007	<0.01	<0.1	20.3	<1	15.9	0.9	0.8	<0.1	<1	<1	0.3	4.8
N254330	Drill Core	0.052	6.0	6	<0.01	23	0.064	5.01	0.016	0.02	0.2	35.2	12	15.4	2.0	1.0	<0.1	<1	2	2.6	6.3
N254331	Drill Core	0.063	5.8	5	<0.01	26	0.060	5.14	0.017	0.02	0.2	30.7	11	11.0	1.3	1.0	<0.1	<1	1	2.0	4.2
N254332	Drill Core	0.052	0.8	5	<0.01	26	0.031	7.54	0.016	0.01	0.1	36.0	2	3.8	0.8	0.6	<0.1	<1	<1	2.6	4.7
N254333	Drill Core	0.042	1.1	5	<0.01	26	0.029	7.98	0.017	<0.01	0.1	27.5	2	4.2	0.7	0.6	<0.1	<1	<1	2.8	4.0
N254335	Drill Core	0.040	3.0	5	<0.01	21	0.049	4.56	0.014	0.01	0.1	21.3	6	3.3	0.7	0.9	<0.1	<1	<1	1.9	0.3
N254336	Drill Core	0.023	1.8	4	<0.01	11	0.049	4.43	0.013	0.01	0.2	20.4	4	3.1	0.7	0.9	<0.1	<1	<1	1.5	2.9
N254337	Drill Core	0.039	6.9	7	<0.01	18	0.087	5.84	0.018	0.02	1.2	30.8	13	3.1	1.3	1.6	0.1	<1	1	1.4	2.8
N254338	Drill Core	0.015	0.2	3	<0.01	14	0.019	3.53	0.011	<0.01	<0.1	12.1	<1	1.6	0.5	0.5	<0.1	<1	<1	1.3	3.5
N254339	Drill Core	0.018	0.2	4	<0.01	14	0.020	3.57	0.009	<0.01	<0.1	12.8	<1	1.7	0.6	0.4	<0.1	<1	<1	1.0	3.2
N254340	Drill Core	0.032	0.5	4	<0.01	22	0.048	4.20	0.011	0.01	0.2	17.6	1	4.6	0.8	1.0	<0.1	<1	<1	1.2	2.5
N254341	Drill Core	0.028	0.7	5	<0.01	16	0.035	3.18	0.010	<0.01	0.1	17.6	1	6.1	0.6	0.7	<0.1	<1	<1	1.1	1.9
N254342	Rock	0.003	0.6	1	1.83	6	<0.001	<0.01	0.004	<0.01	<0.1	0.2	<1	<0.1	0.2	0.1	<0.1	<1	<1	0.3	<0.1
N254343	Drill Core	0.023	2.6	4	<0.01	20	0.037	3.39	0.010	<0.01	0.1	22.9	5	8.7	0.9	0.7	<0.1	<1	<1	1.5	5.2
N254344	Drill Core	0.037	3.4	5	<0.01	19	0.050	5.66	0.014	0.01	0.2	23.4	7	18.7	0.9	0.8	<0.1	<1	<1	2.1	5.5
N254345	Drill Core	0.034	2.1	6	<0.01	16	0.035	3.75	0.011	0.01	0.1	20.0	4	25.2	0.8	0.7	<0.1	<1	<1	1.5	5.0
N254346	Drill Core	0.030	0.4	5	<0.01	17	0.042	3.66	0.011	0.01	0.1	19.8	<1	26.1	0.7	0.9	<0.1	<1	<1	1.5	1.9
N254347	Drill Core	0.032	0.3	6	<0.01	24	0.053	2.71	0.009	<0.01	0.2	24.2	<1	17.7	0.7	1.1	<0.1	<1	<1	2.6	2.2
N254348	Drill Core	0.038	0.3	5	<0.01	27	0.063	2.56	0.010	<0.01	0.2	21.7	<1	4.1	0.8	1.3	<0.1	<1	<1	1.0	0.9



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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

**VAN17001275.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254202	Drill Core	2.6	1.0	0.15	<0.005	3	0.6	<0.5
N254229	Drill Core	15.4	0.5	0.31	0.484	4	<0.5	1.1
N254248	Drill Core	29.3	0.3	0.51	0.225	9	<0.5	1.7
N254270	Drill Core	13.2	1.3	0.16	0.226	8	0.5	<0.5
N254288	Drill Core	0.8	1.0	0.06	0.480	4	<0.5	<0.5
N254312	Drill Core	0.5	1.0	0.16	0.283	5	3.9	<0.5
N254324	Drill Core	55.5	1.6	0.14	0.326	2	<0.5	0.8
N254325	Drill Core	15.1	0.8	0.11	0.141	2	1.4	<0.5
N254326	Rock Pulp	33.6	0.5	0.05	0.358	<1	1.2	<0.5
N254327	Drill Core	0.3	0.6	<0.05	0.512	3	<0.5	<0.5
N254328	Drill Core	0.4	0.6	<0.05	1.272	3	<0.5	<0.5
N254329	Drill Core	0.3	0.7	0.07	0.415	7	1.8	<0.5
N254330	Drill Core	0.5	1.1	0.07	0.312	6	1.1	<0.5
N254331	Drill Core	0.4	1.0	0.06	0.376	6	1.3	<0.5
N254332	Drill Core	0.7	1.2	0.12	0.506	3	<0.5	<0.5
N254333	Drill Core	0.5	1.1	0.10	0.605	3	1.1	<0.5
N254335	Drill Core	0.5	0.7	0.11	0.248	2	0.9	<0.5
N254336	Drill Core	0.4	0.6	<0.05	0.352	3	<0.5	<0.5
N254337	Drill Core	0.4	0.9	<0.05	0.339	2	<0.5	<0.5
N254338	Drill Core	0.3	0.4	<0.05	0.421	2	<0.5	<0.5
N254339	Drill Core	0.3	0.4	0.06	0.410	3	<0.5	<0.5
N254340	Drill Core	0.5	0.5	<0.05	0.405	3	<0.5	<0.5
N254341	Drill Core	0.4	0.6	0.09	0.355	4	1.4	<0.5
N254342	Rock	0.2	<0.1	<0.05	<0.005	<1	4.5	<0.5
N254343	Drill Core	0.4	0.7	0.06	0.468	6	1.3	<0.5
N254344	Drill Core	0.4	0.7	0.15	0.580	6	1.0	<0.5
N254345	Drill Core	0.4	0.6	0.06	0.429	4	2.1	<0.5
N254346	Drill Core	0.4	0.7	0.10	0.523	3	1.7	<0.5
N254347	Drill Core	0.4	0.8	0.08	0.513	13	8.8	<0.5
N254348	Drill Core	0.4	0.7	<0.05	0.511	2	<0.5	<0.5



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**Project:** Hushamu  
**Report Date:** July 17, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254349	Drill Core	7.31	215	57.8	871.7	7.9	17	<0.1	1.0	2.8	28	2.37	95	0.2	0.5	43	0.2	2.0	1.7	6	0.03
N254350	Rock Pulp	0.06	2	1.8	50.5	7.6	56	<0.1	7.3	14.6	894	3.90	1	0.9	2.0	439	<0.1	0.3	0.1	145	4.17
N254351	Drill Core	7.02	124	59.3	183.9	6.8	16	<0.1	0.9	2.0	53	2.00	29	0.2	0.6	21	0.1	0.4	1.0	7	0.02
N254352	Drill Core	7.66	143	73.6	128.0	10.8	17	<0.1	0.8	1.3	55	1.83	41	0.3	1.0	81	0.2	0.5	1.2	10	0.03
N254353	Drill Core	7.42	170	72.7	199.4	11.9	16	<0.1	1.0	1.5	36	2.47	37	0.3	0.9	52	0.2	0.5	2.7	9	0.04
N254354	Drill Core	8.07	152	71.2	661.5	13.9	23	<0.1	1.0	2.9	29	2.41	36	0.4	1.4	85	0.2	0.4	1.4	12	0.04
N254355	Drill Core	7.37	118	82.9	637.2	8.6	15	<0.1	0.8	1.8	35	1.96	141	0.3	0.7	103	0.1	1.6	0.8	10	0.04
N254356	Drill Core	7.59	72	59.7	109.0	7.4	12	<0.1	1.4	3.9	21	1.09	9	0.6	1.5	78	0.1	0.2	0.3	15	0.05
N254357	Drill Core	3.62	49	44.9	43.0	4.0	13	<0.1	0.6	0.9	27	0.35	6	0.4	0.9	77	0.2	0.2	0.1	8	0.03
N254359	Drill Core	7.61	38	67.7	65.7	3.6	10	<0.1	0.3	0.5	14	0.17	17	0.4	0.5	14	<0.1	0.3	<0.1	10	0.02
N254360	Drill Core	7.44	46	46.8	82.3	4.8	13	<0.1	0.7	1.1	21	0.51	7	0.5	0.8	22	<0.1	0.2	0.2	9	0.04
N254361	Drill Core	7.54	50	32.5	133.9	5.0	15	<0.1	0.9	1.2	22	0.92	5	0.4	0.8	25	0.1	0.1	0.2	8	0.03
N254362	Drill Core	6.95	48	56.2	185.4	5.8	14	<0.1	0.6	1.0	24	0.59	11	0.4	0.7	37	<0.1	0.2	0.2	7	0.04
N254363	Drill Core	7.60	50	56.9	64.0	5.7	14	<0.1	0.7	0.9	24	0.44	17	0.5	0.9	35	<0.1	0.4	0.3	8	0.04
N254364	Drill Core	7.48	55	46.2	50.9	5.6	15	<0.1	0.6	0.8	34	0.44	37	0.5	0.8	20	<0.1	0.5	0.1	7	0.03
N254365	Rock	2.00	<2	0.1	0.9	0.2	<1	<0.1	<0.1	0.2	31	0.04	<1	1.4	<0.1	4088	<0.1	<0.1	<0.1	<1	36.08
N254366	Drill Core	7.28	69	69.0	102.2	6.8	16	<0.1	1.2	1.6	36	0.88	19	0.4	0.8	26	0.2	0.1	0.3	6	0.04
N254367	Drill Core	7.23	55	52.3	65.2	5.5	16	<0.1	0.6	0.8	45	0.48	8	0.3	0.8	21	0.2	0.1	0.1	5	0.06
N254368	Drill Core	7.61	54	55.9	66.8	7.3	17	<0.1	0.9	1.2	34	0.56	13	0.3	0.7	31	0.2	0.2	0.3	7	0.03
N254369	Drill Core	7.26	59	64.5	82.9	5.7	15	<0.1	0.8	1.0	28	0.62	7	0.3	0.8	42	0.2	0.2	0.1	11	0.03
N254370	Drill Core	6.85	49	59.6	51.8	5.2	14	<0.1	1.0	0.9	33	0.42	11	0.4	1.0	39	<0.1	0.2	<0.1	9	0.03
N254371	Rock Pulp	0.06	181	393.0	1972.3	26.8	61	12.8	16.1	10.3	788	3.71	14	0.9	1.9	430	0.7	33.5	2.2	87	2.83
N254372	Drill Core	7.54	62	57.1	72.2	6.0	14	<0.1	0.7	1.6	26	0.56	6	0.4	1.0	49	0.2	0.1	0.1	12	0.05
N254373	Drill Core	7.60	73	48.1	226.1	4.9	12	<0.1	0.5	1.0	30	0.46	15	0.2	0.9	107	<0.1	0.2	0.1	28	0.03
N254374	Drill Core	7.33	198	71.0	118.4	14.9	13	0.1	0.8	0.9	39	0.94	94	0.4	1.0	90	<0.1	1.3	0.5	14	0.04
N254375	Drill Core	7.27	652	74.1	1214.9	37.1	23	0.3	1.6	5.1	29	3.21	307	0.3	1.1	242	0.2	7.7	1.5	28	0.15
N254376	Drill Core	7.41	140	48.5	475.3	22.2	18	0.1	0.5	0.5	39	0.53	219	0.2	0.7	63	0.3	3.9	0.3	11	0.03
N254377	Drill Core	7.68	103	50.9	991.6	16.4	18	0.2	0.3	0.5	26	0.38	335	0.2	0.8	51	0.2	5.3	0.3	19	0.03
N254378	Drill Core	7.52	59	51.1	222.7	7.5	16	<0.1	0.4	0.5	26	0.29	18	0.4	1.1	35	0.1	0.3	0.1	22	0.04
N254379	Drill Core	7.67	81	35.9	215.5	12.1	15	<0.1	0.4	0.8	23	0.76	34	0.6	1.3	41	0.1	0.6	0.2	18	0.04



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# CERTIFICATE OF ANALYSIS

VAN17001275.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254349	Drill Core	0.026	0.2	5	<0.01	18	0.034	2.16	0.009	<0.01	0.1	19.4	<1	4.6	0.6	0.7	<0.1	<1	<1	0.9	2.2
N254350	Rock Pulp	0.063	8.5	10	1.49	518	0.289	7.97	2.583	1.08	3.1	15.5	20	0.7	17.0	3.0	0.2	<1	16	6.3	<0.1
N254351	Drill Core	0.014	0.3	6	<0.01	11	0.045	0.65	0.008	<0.01	0.1	18.9	<1	3.2	0.6	0.9	<0.1	<1	<1	0.3	0.9
N254352	Drill Core	0.025	0.9	4	<0.01	22	0.061	1.24	0.008	<0.01	0.1	24.1	2	3.7	0.7	1.4	<0.1	<1	<1	0.3	0.3
N254353	Drill Core	0.030	1.0	5	<0.01	19	0.039	2.96	0.011	<0.01	0.1	21.1	2	3.2	0.8	0.8	<0.1	<1	<1	1.2	1.6
N254354	Drill Core	0.033	1.8	6	<0.01	28	0.050	3.65	0.011	<0.01	0.2	24.1	3	3.8	0.9	1.1	<0.1	<1	<1	1.6	2.2
N254355	Drill Core	0.039	0.3	5	<0.01	32	0.035	1.98	0.008	<0.01	<0.1	22.0	<1	4.8	0.8	0.7	<0.1	<1	<1	0.7	1.3
N254356	Drill Core	0.045	2.4	6	<0.01	22	0.085	4.45	0.013	<0.01	0.2	34.5	5	3.6	1.0	1.6	0.1	<1	1	1.5	0.9
N254357	Drill Core	0.026	0.6	3	<0.01	16	0.072	4.48	0.011	<0.01	<0.1	27.2	1	3.0	0.8	1.5	0.1	<1	<1	1.5	<0.1
N254359	Drill Core	0.019	0.2	3	<0.01	7	0.066	6.54	0.015	<0.01	0.1	26.9	<1	2.9	0.4	1.4	0.1	<1	<1	2.6	<0.1
N254360	Drill Core	0.032	0.4	3	<0.01	11	0.068	5.06	0.013	<0.01	<0.1	31.0	<1	2.6	0.7	1.4	0.1	<1	<1	2.1	0.4
N254361	Drill Core	0.025	0.4	5	<0.01	11	0.057	5.06	0.012	<0.01	<0.1	29.4	<1	2.7	0.7	0.9	0.1	<1	<1	1.9	0.8
N254362	Drill Core	0.033	0.3	3	<0.01	14	0.060	4.22	0.012	<0.01	<0.1	25.4	<1	2.5	0.7	1.0	0.1	<1	<1	1.7	0.4
N254363	Drill Core	0.038	0.5	4	<0.01	16	0.090	3.53	0.012	<0.01	<0.1	30.0	<1	3.6	0.9	1.6	0.1	<1	<1	1.2	0.2
N254364	Drill Core	0.027	0.5	2	<0.01	14	0.090	2.34	0.008	<0.01	<0.1	31.3	<1	4.0	0.8	1.7	<0.1	<1	<1	1.1	<0.1
N254365	Rock	0.003	0.1	1	1.84	5	<0.001	<0.01	0.004	<0.01	<0.1	0.3	<1	<0.1	0.2	0.1	<0.1	<1	<1	0.2	<0.1
N254366	Drill Core	0.023	0.4	3	<0.01	13	0.072	1.71	0.006	<0.01	0.1	27.9	<1	3.5	0.9	1.4	<0.1	<1	<1	0.9	0.5
N254367	Drill Core	0.010	0.3	2	<0.01	9	0.067	1.41	0.007	<0.01	<0.1	22.5	<1	3.0	0.8	1.0	<0.1	<1	<1	0.5	<0.1
N254368	Drill Core	0.022	0.3	4	<0.01	14	0.061	2.58	0.009	<0.01	<0.1	22.6	<1	3.0	0.7	1.2	<0.1	<1	<1	1.2	0.2
N254369	Drill Core	0.023	0.3	5	<0.01	13	0.086	4.21	0.011	0.01	<0.1	23.1	<1	2.9	0.6	1.5	0.1	<1	<1	1.9	0.3
N254370	Drill Core	0.023	0.5	4	<0.01	15	0.094	1.99	0.006	<0.01	<0.1	28.3	<1	3.3	0.8	1.8	0.1	<1	<1	0.6	<0.1
N254371	Rock Pulp	0.055	7.5	20	0.91	748	0.216	6.89	2.252	1.82	1.7	10.4	17	3.1	10.8	2.7	0.2	<1	9	8.9	0.3
N254372	Drill Core	0.043	0.8	4	<0.01	21	0.109	2.40	0.009	0.01	0.1	24.9	2	4.1	0.7	2.2	0.1	<1	<1	1.0	0.3
N254373	Drill Core	0.033	0.7	12	<0.01	27	0.163	5.11	0.012	<0.01	<0.1	17.5	1	5.8	0.8	2.6	0.1	<1	2	1.6	0.2
N254374	Drill Core	0.035	0.5	5	<0.01	32	0.083	2.75	0.008	<0.01	0.1	28.1	1	4.4	0.8	1.5	0.1	<1	<1	1.0	0.3
N254375	Drill Core	0.122	1.3	4	<0.01	44	0.039	2.69	0.011	0.02	0.2	21.6	3	29.8	1.1	0.8	<0.1	<1	<1	0.8	3.2
N254376	Drill Core	0.030	0.3	4	<0.01	26	0.071	2.82	0.009	0.01	0.3	16.3	<1	6.1	0.4	1.4	<0.1	<1	<1	1.4	0.2
N254377	Drill Core	0.018	0.3	3	<0.01	20	0.082	3.34	0.011	0.01	0.2	15.5	<1	8.3	0.4	1.8	0.2	<1	<1	1.2	0.2
N254378	Drill Core	0.033	0.4	4	<0.01	24	0.119	4.44	0.012	0.01	0.2	24.5	<1	9.8	0.6	2.5	0.2	<1	<1	1.4	<0.1
N254379	Drill Core	0.042	0.6	3	<0.01	34	0.102	4.52	0.012	0.01	0.4	30.4	1	28.8	1.3	2.3	0.2	<1	1	1.7	0.7





**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: Hushamu

Report Date: July 17, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001275.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254349	Drill Core	0.4	0.5	0.07	0.206	5	3.5	<0.5
N254350	Rock Pulp	15.5	0.9	<0.05	<0.005	<1	<0.5	<0.5
N254351	Drill Core	0.3	0.6	0.06	0.140	3	2.2	<0.5
N254352	Drill Core	0.7	0.7	0.13	0.041	4	1.9	<0.5
N254353	Drill Core	0.6	0.6	0.08	0.060	5	1.3	<0.5
N254354	Drill Core	0.5	0.7	0.10	0.314	5	1.1	<0.5
N254355	Drill Core	0.5	0.7	0.14	0.081	5	2.5	<0.5
N254356	Drill Core	0.5	1.1	<0.05	0.257	2	<0.5	<0.5
N254357	Drill Core	0.4	0.9	0.06	0.130	2	<0.5	<0.5
N254359	Drill Core	0.3	0.9	0.08	0.355	1	<0.5	<0.5
N254360	Drill Core	0.5	1.1	<0.05	0.307	1	<0.5	<0.5
N254361	Drill Core	0.4	1.0	0.06	0.147	<1	<0.5	<0.5
N254362	Drill Core	0.5	0.8	<0.05	0.338	1	<0.5	<0.5
N254363	Drill Core	0.5	1.0	0.06	0.216	<1	1.1	<0.5
N254364	Drill Core	0.5	1.0	0.08	0.023	1	0.9	<0.5
N254365	Rock	0.2	<0.1	<0.05	0.007	<1	5.5	<0.5
N254366	Drill Core	0.5	0.9	0.06	0.098	1	<0.5	<0.5
N254367	Drill Core	0.6	0.8	<0.05	0.077	1	<0.5	<0.5
N254368	Drill Core	0.5	0.7	0.06	0.057	2	<0.5	<0.5
N254369	Drill Core	0.5	0.8	<0.05	0.680	1	<0.5	<0.5
N254370	Drill Core	0.5	0.9	<0.05	0.035	2	<0.5	<0.5
N254371	Rock Pulp	33.8	0.6	<0.05	0.428	1	1.4	<0.5
N254372	Drill Core	0.5	0.8	<0.05	0.543	2	<0.5	<0.5
N254373	Drill Core	0.5	0.5	<0.05	0.355	<1	<0.5	<0.5
N254374	Drill Core	0.4	0.9	0.10	0.115	3	2.2	<0.5
N254375	Drill Core	0.9	0.7	0.16	0.427	14	6.7	<0.5
N254376	Drill Core	0.6	0.6	0.11	0.151	3	2.7	<0.5
N254377	Drill Core	0.6	0.5	0.12	0.400	5	2.4	<0.5
N254378	Drill Core	0.7	0.9	<0.05	0.569	1	<0.5	<0.5
N254379	Drill Core	0.6	1.0	<0.05	0.457	2	0.8	<0.5



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Report Date: July 17, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254380	Drill Core	3.33	96	27.6	495.2	6.8	12	<0.1	1.6	5.2	26	1.80	75	1.0	2.4	32	0.1	1.1	0.4	30	0.04
N254382	Drill Core	7.53	87	15.3	142.3	4.7	7	<0.1	0.4	1.2	21	1.39	16	1.0	1.5	8	0.1	0.1	0.1	8	<0.01
N254383	Drill Core	7.72	83	24.8	293.5	7.4	10	<0.1	0.8	2.4	31	0.95	42	0.5	1.3	18	<0.1	0.4	0.2	17	<0.01
N254384	Drill Core	7.29	44	12.4	35.4	5.5	11	<0.1	0.5	0.4	32	0.37	6	0.6	1.4	21	0.1	0.3	<0.1	11	0.01
N254385	Drill Core	7.55	91	51.2	86.5	7.4	11	<0.1	1.0	2.1	32	0.98	8	0.4	1.2	19	0.1	<0.1	0.2	9	0.01
N254386	Drill Core	7.08	74	44.0	42.1	6.6	13	<0.1	0.4	0.6	29	0.54	17	0.4	1.1	16	0.1	0.3	0.1	13	0.02
N254387	Drill Core	7.56	88	61.0	107.9	16.5	13	0.1	0.5	1.1	29	0.99	32	0.4	1.0	31	0.2	0.7	0.2	16	0.04
N254388	Drill Core	7.84	61	57.6	64.5	6.3	12	<0.1	0.5	0.7	27	0.35	3	0.4	0.9	21	0.1	0.2	0.1	14	0.04
N254389	Drill Core	7.22	77	62.8	81.5	11.9	14	<0.1	0.6	2.0	23	0.84	3	0.5	1.0	19	0.2	0.1	0.4	10	0.03
N254390	Rock	1.67	<2	0.2	0.6	0.2	1	<0.1	<0.1	0.3	24	0.05	2	1.4	<0.1	4588	<0.1	<0.1	<0.1	<1	35.71
N254391	Drill Core	6.77	82	57.7	91.8	7.3	14	<0.1	0.6	1.9	25	0.87	12	0.4	0.9	25	0.2	0.2	0.2	10	0.04
N254392	Drill Core	7.92	68	54.2	183.6	8.3	12	<0.1	0.5	0.8	26	0.45	11	0.4	1.0	59	0.2	0.2	0.1	10	0.07
N254393	Drill Core	6.96	86	62.6	282.0	7.3	14	<0.1	0.4	0.8	23	0.45	40	0.3	0.9	44	0.3	0.4	0.1	13	0.05
N254394	Drill Core	7.10	196	54.1	1072.4	23.7	14	<0.1	20.8	28.6	23	5.59	39	0.8	1.8	77	0.2	1.0	3.3	146	0.09
N254395	Drill Core	7.06	184	87.6	1562.2	18.4	13	<0.1	40.8	72.0	18	10.30	29	0.5	1.1	42	0.3	0.7	4.7	246	0.07
N254396	Rock Pulp	0.06	610	329.3	4002.1	30.1	108	15.7	27.2	75.3	1484	4.73	2032	2.5	1.5	444	1.0	43.9	14.8	60	6.04
N254397	Drill Core	8.01	115	49.3	1081.7	10.1	65	<0.1	30.8	39.1	35	7.06	6	0.4	0.5	40	0.2	0.3	2.8	285	0.14
N254398	Drill Core	7.95	204	35.7	873.4	14.9	61	<0.1	31.9	45.4	33	8.31	7	0.4	0.5	52	0.1	0.4	2.1	298	0.12
N254399	Drill Core	7.77	159	57.3	1536.7	31.3	14	<0.1	30.8	48.8	19	8.37	12	0.5	1.0	65	0.2	0.7	4.4	283	0.09
N254400	Drill Core	7.58	90	55.3	1424.2	11.6	35	<0.1	22.9	34.7	18	5.03	9	0.6	0.9	37	0.3	0.3	1.3	298	0.11
N254401	Drill Core	9.18	174	45.8	1232.4	23.5	13	<0.1	17.3	37.6	21	7.07	14	0.9	2.9	75	0.2	0.5	2.3	159	0.09
N254402	Drill Core	4.96	118	17.2	1297.2	23.3	17	<0.1	16.8	39.9	21	5.35	42	0.9	2.6	92	0.9	2.3	1.9	167	0.11
N254403	Drill Core	7.90	112	15.6	406.2	20.9	13	<0.1	16.8	26.8	21	5.05	14	1.1	3.9	131	<0.1	0.8	1.9	170	0.11
N254404	Drill Core	3.43	103	7.8	469.0	22.7	21	<0.1	18.7	29.6	16	5.45	26	0.8	2.6	117	0.2	0.8	2.3	217	0.10
N254406	Drill Core	7.23	114	16.6	874.2	23.3	25	<0.1	28.6	38.5	18	6.03	27	0.5	1.2	90	0.3	0.7	2.4	336	0.12
N254407	Drill Core	6.63	224	41.4	1779.0	47.5	51	0.1	21.8	30.2	26	7.15	26	0.6	2.2	174	0.4	0.8	3.7	189	0.08
N254408	Drill Core	7.83	36	3.8	473.8	15.4	6	<0.1	20.0	24.7	18	4.91	11	0.7	4.1	119	<0.1	0.5	1.0	194	0.17
N254409	Drill Core	7.93	9	2.8	83.6	6.3	3	<0.1	7.1	10.8	18	2.94	5	1.0	7.4	73	<0.1	0.4	0.2	104	0.13
N254410	Drill Core	6.54	8	4.3	95.1	9.3	3	<0.1	5.7	8.0	19	2.54	7	1.0	6.7	82	<0.1	0.4	0.2	102	0.11
N254411	Drill Core	6.78	8	5.5	95.3	4.1	5	<0.1	3.5	5.9	22	2.75	3	0.6	5.8	65	<0.1	0.3	0.2	67	0.11



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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254380	Drill Core	0.028	2.4	6	<0.01	33	0.117	4.61	0.011	0.01	0.3	44.2	5	14.2	2.0	2.7	0.2	<1	1	1.5	1.9
N254382	Drill Core	0.006	0.5	2	<0.01	10	0.106	1.63	0.005	<0.01	0.3	44.0	1	6.6	1.8	2.7	0.1	<1	<1	0.9	1.4
N254383	Drill Core	0.014	1.0	4	<0.01	13	0.110	2.29	0.007	<0.01	0.4	28.5	2	19.6	1.0	2.6	0.2	<1	<1	1.3	0.7
N254384	Drill Core	0.011	0.8	3	<0.01	13	0.118	2.09	0.008	0.01	0.4	31.2	2	12.0	1.9	2.4	0.1	<1	<1	0.5	<0.1
N254385	Drill Core	0.018	1.2	4	<0.01	11	0.100	1.57	0.007	<0.01	0.4	28.0	2	8.7	0.8	1.9	<0.1	<1	<1	0.9	0.8
N254386	Drill Core	0.015	1.2	4	<0.01	11	0.099	2.37	0.008	<0.01	0.3	27.0	2	13.1	0.7	1.9	0.1	<1	<1	0.7	0.2
N254387	Drill Core	0.030	0.7	5	<0.01	25	0.098	3.33	0.012	0.01	0.3	26.7	1	21.4	0.9	1.8	0.1	<1	<1	0.7	0.6
N254388	Drill Core	0.030	0.3	4	<0.01	20	0.148	3.59	0.012	0.01	0.3	26.9	<1	11.0	0.8	2.3	0.2	<1	<1	0.6	0.1
N254389	Drill Core	0.022	0.4	3	<0.01	19	0.103	2.65	0.011	0.01	0.4	31.8	<1	9.1	1.2	2.3	0.1	<1	<1	0.5	0.6
N254390	Rock	0.003	0.3	<1	2.01	9	0.002	0.08	0.018	0.01	<0.1	2.1	<1	<0.1	0.5	0.1	<0.1	<1	<1	0.4	<0.1
N254391	Drill Core	0.019	0.4	3	<0.01	16	0.097	2.24	0.010	0.01	0.3	24.0	<1	12.3	0.7	1.7	<0.1	<1	<1	0.9	0.6
N254392	Drill Core	0.040	0.4	5	<0.01	38	0.106	3.43	0.012	0.02	0.3	27.8	<1	7.2	0.8	1.9	0.1	<1	<1	0.5	0.2
N254393	Drill Core	0.037	0.3	3	<0.01	34	0.097	4.38	0.014	0.01	0.3	21.1	<1	7.1	0.6	1.8	0.1	<1	<1	0.9	0.2
N254394	Drill Core	0.065	3.3	18	0.02	27	0.107	7.12	0.022	0.02	0.2	33.2	8	17.9	3.6	1.1	<0.1	<1	10	1.3	6.2
N254395	Drill Core	0.050	3.5	25	0.04	22	0.117	7.91	0.035	0.14	0.2	20.1	9	21.7	3.9	0.6	<0.1	<1	18	0.9	>10
N254396	Rock Pulp	0.064	15.4	32	0.82	389	0.153	5.96	1.757	1.68	3.4	21.2	24	3.2	8.5	1.7	0.1	<1	6	12.3	0.6
N254397	Drill Core	0.093	2.2	18	1.37	34	0.238	8.32	0.026	1.33	0.2	20.8	7	16.0	4.6	1.0	<0.1	<1	29	0.8	6.6
N254398	Drill Core	0.090	3.0	22	1.10	20	0.324	8.53	0.021	1.17	0.2	18.7	9	10.9	5.7	1.4	<0.1	<1	27	0.8	8.9
N254399	Drill Core	0.083	5.8	22	0.06	27	0.125	8.47	0.033	0.38	0.2	20.6	14	20.4	4.0	0.6	<0.1	<1	19	0.8	9.4
N254400	Drill Core	0.109	3.2	14	0.17	47	0.136	9.39	0.019	1.73	0.2	32.5	9	18.5	11.2	0.6	<0.1	<1	34	1.0	5.6
N254401	Drill Core	0.067	9.2	8	0.02	21	0.110	7.41	0.029	0.06	0.2	56.9	21	15.7	3.9	0.9	<0.1	<1	10	0.9	7.6
N254402	Drill Core	0.082	12.3	6	0.02	41	0.193	8.66	0.029	0.06	0.5	51.4	27	16.9	2.7	1.7	0.1	<1	9	0.8	5.9
N254403	Drill Core	0.094	13.5	7	0.01	35	0.102	8.82	0.030	0.05	0.2	67.6	29	27.5	4.4	0.9	<0.1	<1	12	1.0	5.6
N254404	Drill Core	0.079	13.3	20	0.03	38	0.127	9.13	0.020	0.38	0.3	40.3	29	29.8	5.4	0.7	<0.1	<1	16	1.5	6.1
N254406	Drill Core	0.098	8.9	35	0.08	60	0.131	9.42	0.021	0.86	0.2	18.8	21	30.2	5.1	0.5	<0.1	<1	29	1.4	6.8
N254407	Drill Core	0.071	7.1	22	0.01	21	0.126	7.67	0.024	0.04	0.2	24.1	16	20.4	3.2	1.3	<0.1	<1	14	1.4	8.0
N254408	Drill Core	0.096	12.1	23	0.02	43	0.126	8.88	0.036	0.10	<0.1	35.8	25	22.6	3.7	1.2	<0.1	<1	12	1.3	5.5
N254409	Drill Core	0.119	24.0	19	0.01	38	0.183	8.91	0.034	0.04	0.3	50.8	46	9.3	3.8	2.7	0.2	<1	7	1.0	3.2
N254410	Drill Core	0.103	22.3	18	0.01	34	0.195	8.53	0.031	0.04	0.4	52.8	45	14.3	4.1	2.8	0.2	<1	7	1.0	2.8
N254411	Drill Core	0.087	19.5	16	<0.01	25	0.177	6.74	0.017	0.02	0.4	36.7	40	10.9	3.2	2.4	0.2	<1	4	1.6	2.9



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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

**VAN17001275.1**

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254380	Drill Core	0.5	1.5	<0.05	0.206	2	0.9	<0.5
N254382	Drill Core	0.3	1.5	<0.05	0.104	<1	<0.5	<0.5
N254383	Drill Core	0.5	1.0	0.07	0.127	<1	<0.5	<0.5
N254384	Drill Core	0.5	1.0	0.06	0.019	<1	<0.5	<0.5
N254385	Drill Core	0.4	0.9	<0.05	0.162	2	<0.5	<0.5
N254386	Drill Core	0.5	0.9	<0.05	0.038	<1	<0.5	<0.5
N254387	Drill Core	0.4	0.8	0.09	0.171	1	0.6	<0.5
N254388	Drill Core	0.5	0.8	<0.05	0.484	<1	<0.5	<0.5
N254389	Drill Core	0.7	1.0	0.07	0.336	2	<0.5	<0.5
N254390	Rock	0.5	<0.1	<0.05	0.007	<1	3.8	<0.5
N254391	Drill Core	0.5	0.8	<0.05	0.254	2	<0.5	<0.5
N254392	Drill Core	0.6	0.9	<0.05	0.467	1	<0.5	<0.5
N254393	Drill Core	0.6	0.8	<0.05	0.714	3	<0.5	<0.5
N254394	Drill Core	0.5	1.1	0.23	0.731	12	1.0	<0.5
N254395	Drill Core	2.4	0.7	0.20	0.717	14	0.9	<0.5
N254396	Rock Pulp	37.1	0.7	0.12	0.367	5	3.2	<0.5
N254397	Drill Core	17.2	0.6	0.36	0.453	7	0.8	1.6
N254398	Drill Core	18.1	0.5	0.49	0.271	6	0.7	2.1
N254399	Drill Core	7.6	0.6	0.31	0.393	8	0.7	<0.5
N254400	Drill Core	35.3	0.9	0.44	0.603	8	<0.5	1.4
N254401	Drill Core	0.8	1.7	0.14	0.415	12	1.1	<0.5
N254402	Drill Core	1.3	1.4	0.16	0.379	13	0.8	<0.5
N254403	Drill Core	1.0	1.8	0.14	0.382	9	0.6	<0.5
N254404	Drill Core	7.9	1.2	0.24	0.144	8	<0.5	<0.5
N254406	Drill Core	18.5	0.6	0.30	0.270	12	0.8	0.7
N254407	Drill Core	0.8	0.7	0.28	0.394	12	1.0	<0.5
N254408	Drill Core	1.7	1.0	0.08	0.165	8	<0.5	<0.5
N254409	Drill Core	0.8	1.4	0.09	0.209	3	<0.5	<0.5
N254410	Drill Core	0.7	1.4	0.06	0.305	3	<0.5	<0.5
N254411	Drill Core	0.4	1.0	0.06	0.134	5	<0.5	<0.5



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**Project:** Hushamu  
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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254412	Drill Core	7.30	12	3.0	92.9	5.2	3	<0.1	2.3	5.0	22	2.94	4	0.8	6.1	75	<0.1	0.3	0.2	71	0.11
N254413	Rock	2.34	<2	<0.1	0.9	0.1	<1	<0.1	<0.1	<0.2	27	0.03	3	1.4	<0.1	4210	<0.1	<0.1	<0.1	<1	36.24
N254414	Drill Core	8.00	7	2.2	70.1	7.1	3	<0.1	1.9	3.0	19	1.40	5	1.0	6.5	90	<0.1	0.5	0.1	86	0.15
N254415	Drill Core	8.84	32	3.4	110.2	6.3	3	<0.1	14.4	24.8	19	5.17	10	1.0	5.0	76	<0.1	0.6	1.2	143	0.14
N254416	Drill Core	6.71	38	8.5	80.2	17.3	2	<0.1	13.0	25.8	17	5.29	10	1.4	3.7	146	<0.1	0.5	3.2	157	0.06
N254417	Drill Core	8.44	102	3.1	266.6	27.0	3	<0.1	12.8	31.0	18	6.55	7	1.3	2.9	188	<0.1	0.5	5.4	220	0.11
N254418	Drill Core	7.66	81	4.8	468.3	46.2	3	<0.1	11.8	29.2	21	5.96	15	1.2	3.0	278	<0.1	0.8	2.6	193	0.11
N254419	Drill Core	8.28	30	3.9	165.3	21.6	3	<0.1	14.5	31.4	19	6.76	26	1.0	3.2	242	<0.1	1.0	1.1	130	0.10
N254420	Rock Pulp	0.06	177	393.8	2086.8	28.8	65	14.4	15.5	11.7	754	3.76	13	1.0	2.0	447	0.5	35.6	2.3	89	3.00
N254421	Drill Core	7.28	26	3.1	140.5	21.1	3	<0.1	12.0	27.8	23	4.97	11	1.2	3.5	227	<0.1	0.6	0.8	127	0.10
N254422	Drill Core	8.56	64	2.3	213.3	49.8	3	<0.1	9.9	26.2	26	6.51	10	1.2	3.2	361	<0.1	0.6	2.3	186	0.11
N254423	Drill Core	9.03	77	2.3	286.1	21.6	13	<0.1	11.1	27.0	29	6.55	15	1.0	2.9	166	<0.1	0.7	2.3	164	0.09
N254424	Drill Core	7.37	54	2.4	279.5	53.4	12	<0.1	10.5	22.6	26	6.62	23	1.3	3.3	255	<0.1	0.8	2.2	160	0.11
N254425	Drill Core	8.13	30	2.1	129.7	25.2	4	<0.1	12.5	27.5	23	6.04	7	1.2	2.3	336	<0.1	0.5	1.7	205	0.10
N254426	Drill Core	7.36	15	1.8	56.4	30.1	5	<0.1	14.1	28.5	23	6.30	6	0.9	2.7	507	<0.1	0.4	1.7	172	0.10
N254427	Drill Core	8.12	10	4.0	61.4	21.9	29	<0.1	13.6	23.3	28	5.42	<1	0.9	2.4	404	<0.1	0.2	3.4	141	0.18
N254428	Drill Core	7.56	8	2.7	44.5	27.0	15	<0.1	14.1	23.8	23	5.12	5	1.1	2.7	511	<0.1	0.3	1.3	172	0.18
N254429	Drill Core	8.03	21	1.7	194.5	27.5	24	<0.1	16.0	26.1	31	6.40	7	1.0	2.5	443	0.1	0.5	3.2	191	0.21
N254430	Rock	2.13	<2	<0.1	1.8	0.2	<1	<0.1	0.9	<0.2	31	0.02	2	1.5	<0.1	4436	<0.1	<0.1	<0.1	1	37.70
N254431	Drill Core	8.40	5	1.3	61.5	26.9	177	<0.1	11.7	20.2	1223	4.73	5	0.9	1.7	45	0.7	0.3	1.2	166	0.93
N254432	Drill Core	7.27	3	1.3	58.4	22.9	144	<0.1	14.6	21.6	1325	5.19	3	1.2	2.8	33	0.4	0.3	0.6	157	0.97
N254433	Drill Core	8.47	44	2.4	42.9	26.4	8	<0.1	17.1	25.5	54	5.24	5	0.9	2.8	488	<0.1	0.4	1.0	125	0.11
N254434	Drill Core	8.76	13	2.0	40.8	26.8	7	<0.1	12.1	22.3	21	4.59	5	0.7	3.6	850	<0.1	0.6	0.5	132	0.12
N254435	Drill Core	7.01	128	81.5	75.7	30.2	48	0.1	0.9	1.2	46	1.17	74	1.3	3.3	154	0.6	0.9	0.3	50	0.12
N254436	Drill Core	7.59	113	81.9	189.6	26.1	37	0.1	3.3	6.3	24	1.73	68	1.0	3.8	148	0.2	0.7	0.4	62	0.08
N254437	Drill Core	7.67	115	96.8	1128.3	28.6	56	<0.1	8.3	20.0	29	3.89	230	1.2	5.2	141	0.4	3.2	1.0	118	0.09
N254438	Rock Pulp	0.06	5	1.9	48.4	7.6	59	<0.1	7.0	13.1	963	3.90	1	0.9	2.1	466	<0.1	0.4	<0.1	143	4.37
N254439	Drill Core	8.08	251	130.0	8954.3	19.9	87	1.0	8.7	20.4	50	3.48	2899	1.2	4.0	89	1.7	39.4	9.0	71	0.09
N254440	Drill Core	7.97	151	271.2	267.6	12.4	75	<0.1	3.1	8.6	29	2.51	58	1.0	3.8	49	0.9	0.8	0.8	45	0.09
N254441	Drill Core	7.93	229	139.2	566.7	25.4	53	0.1	6.7	18.9	34	5.31	126	0.9	3.2	85	0.6	1.6	1.5	73	0.08



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# CERTIFICATE OF ANALYSIS

## VAN17001275.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254412	Drill Core	0.102	25.1	15	<0.01	31	0.177	7.23	0.021	0.02	0.3	40.3	51	9.7	3.2	2.2	0.2	<1	5	1.6	3.2	
N254413	Rock	0.003	0.5	1	1.99	4	<0.001	0.02	0.004	<0.01	<0.1	0.3	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.2	<0.1	
N254414	Drill Core	0.117	22.9	15	<0.01	38	0.285	8.60	0.018	0.03	0.5	59.6	47	15.0	4.0	4.3	0.3	<1	4	1.9	1.4	
N254415	Drill Core	0.102	18.1	27	0.01	34	0.168	8.91	0.032	0.03	0.3	66.3	38	11.6	3.7	2.3	0.2	<1	6	1.3	5.8	
N254416	Drill Core	0.055	9.4	13	0.01	29	0.201	8.27	0.032	0.02	0.3	70.3	22	8.7	5.0	3.2	0.3	<1	10	0.7	5.6	
N254417	Drill Core	0.083	9.5	12	0.02	20	0.255	8.59	0.043	0.03	0.2	79.5	22	11.3	6.7	2.9	0.2	<1	16	0.7	7.1	
N254418	Drill Core	0.090	8.6	13	0.01	24	0.243	8.05	0.043	0.03	0.1	75.0	20	9.8	4.4	3.1	0.2	<1	10	0.8	6.5	
N254419	Drill Core	0.077	9.3	12	0.01	25	0.135	7.26	0.041	0.03	0.1	68.5	22	12.0	4.1	1.9	0.1	<1	7	0.6	7.3	
N254420	Rock Pulp	0.055	8.3	21	0.95	789	0.219	7.27	2.279	1.86	1.8	10.6	20	3.3	11.2	2.7	0.2	1	10	9.1	0.3	
N254421	Drill Core	0.090	12.2	12	0.01	32	0.245	7.05	0.039	0.04	0.2	83.3	28	10.8	4.8	3.5	0.2	<1	7	0.9	5.4	
N254422	Drill Core	0.099	12.0	13	0.01	25	0.339	8.03	0.037	0.02	0.2	77.2	27	4.5	5.6	4.6	0.3	<1	10	1.6	7.1	
N254423	Drill Core	0.072	9.8	14	0.01	34	0.304	8.47	0.026	0.01	0.4	70.4	23	6.5	4.7	3.7	0.3	<1	8	3.7	7.4	
N254424	Drill Core	0.102	12.6	14	0.01	23	0.261	7.85	0.031	0.02	0.2	74.4	28	7.2	5.8	3.5	0.3	<1	11	2.6	7.5	
N254425	Drill Core	0.088	7.7	12	0.01	44	0.296	7.73	0.053	0.03	0.1	75.9	18	10.9	5.5	3.8	0.2	<1	14	1.9	6.3	
N254426	Drill Core	0.079	8.1	16	0.02	50	0.260	8.10	0.050	0.05	0.3	57.8	19	9.0	5.4	3.2	0.2	<1	12	2.5	6.6	
N254427	Drill Core	0.079	8.0	10	0.09	39	0.141	7.53	0.168	0.88	0.2	61.0	19	5.6	7.7	1.9	0.1	<1	12	2.5	5.9	
N254428	Drill Core	0.088	8.2	16	0.06	57	0.185	8.65	0.076	0.16	0.2	62.5	19	8.9	7.5	2.3	0.2	<1	13	2.4	5.4	
N254429	Drill Core	0.084	15.9	18	0.05	36	0.204	8.16	0.064	0.09	0.1	57.5	35	6.3	9.4	2.4	0.2	<1	15	2.1	6.8	
N254430	Rock	0.003	0.3	<1	1.88	8	<0.001	0.02	0.005	<0.01	<0.1	0.4	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.3	<0.1	
N254431	Drill Core	0.094	7.3	12	2.68	46	0.280	8.19	0.047	0.96	0.1	62.8	19	1.9	12.1	3.2	0.2	1	14	3.6	4.3	
N254432	Drill Core	0.094	9.4	17	3.03	113	0.285	9.29	0.049	1.08	0.2	73.0	22	1.3	17.0	3.6	0.2	2	16	3.5	4.4	
N254433	Drill Core	0.091	10.9	15	0.07	55	0.132	7.97	0.052	0.07	0.1	57.5	24	4.4	4.9	1.6	0.1	<1	7	2.6	5.5	
N254434	Drill Core	0.100	16.9	15	0.01	72	0.150	7.95	0.052	0.03	0.2	40.9	40	5.4	3.3	1.7	0.1	<1	6	1.7	5.0	
N254435	Drill Core	0.085	14.7	5	0.06	81	0.144	5.76	0.020	0.05	0.2	84.4	31	5.3	2.5	2.3	0.2	<1	3	1.5	0.3	
N254436	Drill Core	0.072	20.7	8	0.03	67	0.122	6.00	0.021	0.04	0.2	72.9	43	6.4	2.1	1.8	0.1	<1	3	0.9	1.4	
N254437	Drill Core	0.072	15.6	9	0.03	63	0.100	7.56	0.030	0.04	0.2	87.3	33	65.4	2.5	1.3	0.1	<1	4	0.9	4.2	
N254438	Rock Pulp	0.057	9.3	10	1.49	576	0.299	7.96	2.612	1.15	3.1	17.0	24	0.8	18.7	3.0	0.2	1	17	6.5	<0.1	
N254439	Drill Core	0.057	10.1	7	0.05	54	0.130	5.17	0.018	0.04	0.2	86.8	22	172.9	2.6	1.9	0.1	<1	2	1.3	4.2	
N254440	Drill Core	0.064	14.2	8	0.03	33	0.132	7.24	0.021	0.04	0.3	71.5	30	8.5	2.3	1.6	0.1	<1	3	1.8	2.6	
N254441	Drill Core	0.062	10.9	7	0.03	59	0.111	7.23	0.028	0.04	0.2	57.1	25	12.6	2.5	1.3	<0.1	<1	3	2.0	5.6	



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# CERTIFICATE OF ANALYSIS

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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254412	Drill Core	0.4	1.2	0.05	0.053	5	<0.5	<0.5
N254413	Rock	<0.1	<0.1	<0.05	<0.005	<1	5.2	<0.5
N254414	Drill Core	0.4	1.8	0.07	0.069	3	<0.5	<0.5
N254415	Drill Core	0.5	2.0	<0.05	0.198	6	0.5	<0.5
N254416	Drill Core	0.4	2.2	<0.05	0.056	4	<0.5	<0.5
N254417	Drill Core	0.4	2.3	0.13	0.038	6	0.7	<0.5
N254418	Drill Core	0.4	2.3	0.12	0.047	4	0.7	<0.5
N254419	Drill Core	0.6	2.0	<0.05	0.016	9	1.0	<0.5
N254420	Rock Pulp	35.4	0.6	<0.05	0.424	<1	1.3	<0.5
N254421	Drill Core	0.7	2.3	0.07	0.018	7	<0.5	<0.5
N254422	Drill Core	0.4	2.3	0.08	0.019	4	0.9	<0.5
N254423	Drill Core	0.3	2.1	0.12	0.060	4	1.1	1.1
N254424	Drill Core	0.3	2.2	0.17	0.068	5	1.1	<0.5
N254425	Drill Core	0.9	1.9	0.08	0.019	7	0.7	<0.5
N254426	Drill Core	1.1	1.6	0.05	0.012	7	0.6	<0.5
N254427	Drill Core	19.0	1.6	<0.05	0.008	8	<0.5	<0.5
N254428	Drill Core	3.7	1.7	0.05	0.008	6	<0.5	<0.5
N254429	Drill Core	1.7	1.6	0.13	0.016	6	0.7	<0.5
N254430	Rock	0.2	<0.1	<0.05	<0.005	1	4.5	<0.5
N254431	Drill Core	6.8	1.5	0.27	0.287	6	0.7	1.1
N254432	Drill Core	18.6	1.8	0.17	0.226	7	1.0	0.7
N254433	Drill Core	1.1	1.5	<0.05	0.201	8	0.6	<0.5
N254434	Drill Core	0.7	1.1	0.07	0.177	6	<0.5	<0.5
N254435	Drill Core	1.1	2.4	0.07	0.050	3	<0.5	<0.5
N254436	Drill Core	0.8	2.0	0.10	0.612	3	0.5	<0.5
N254437	Drill Core	0.9	2.4	0.11	0.715	3	1.3	<0.5
N254438	Rock Pulp	16.7	0.9	<0.05	<0.005	<1	<0.5	<0.5
N254439	Drill Core	1.1	2.5	0.12	0.860	13	42.7	<0.5
N254440	Drill Core	1.1	1.9	0.16	2.710	5	0.7	<0.5
N254441	Drill Core	0.9	1.7	0.18	0.913	5	1.6	<0.5



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# QUALITY CONTROL REPORT

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Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254312	Drill Core	3.27	429	56.0	1935.7	22.8	24	1.2	8.6	22.4	18	7.23	365	0.7	3.8	65	0.4	8.8	4.1	65	0.07
REP N254312	QC			54.5	1913.5	22.2	23	1.2	8.3	21.3	19	7.14	350	0.6	3.8	64	0.3	8.9	4.1	65	0.06
N254333	Drill Core	3.43	151	107.9	1910.0	24.1	12	0.1	1.7	5.6	11	4.03	22	0.4	0.9	72	0.2	0.9	1.2	28	0.05
REP N254333	QC		157																		
N254357	Drill Core	3.62	49	44.9	43.0	4.0	13	<0.1	0.6	0.9	27	0.35	6	0.4	0.9	77	0.2	0.2	0.1	8	0.03
REP N254357	QC			46.2	43.7	4.2	13	<0.1	0.7	1.1	31	0.39	6	0.4	0.9	80	<0.1	0.1	0.1	9	0.03
N254368	Drill Core	7.61	54	55.9	66.8	7.3	17	<0.1	0.9	1.2	34	0.56	13	0.3	0.7	31	0.2	0.2	0.3	7	0.03
REP N254368	QC		54																		
N254394	Drill Core	7.10	196	54.1	1072.4	23.7	14	<0.1	20.8	28.6	23	5.59	39	0.8	1.8	77	0.2	1.0	3.3	146	0.09
REP N254394	QC			55.1	1058.8	23.8	13	<0.1	20.8	26.8	25	5.49	42	0.9	1.9	75	0.2	1.1	3.4	141	0.09
N254403	Drill Core	7.90	112	15.6	406.2	20.9	13	<0.1	16.8	26.8	21	5.05	14	1.1	3.9	131	<0.1	0.8	1.9	170	0.11
REP N254403	QC		112																		
N254427	Drill Core	8.12	10	4.0	61.4	21.9	29	<0.1	13.6	23.3	28	5.42	<1	0.9	2.4	404	<0.1	0.2	3.4	141	0.18
REP N254427	QC			3.9	61.5	22.4	32	<0.1	13.9	23.0	30	5.42	1	0.9	2.5	408	<0.1	0.2	3.2	141	0.17
N254431	Drill Core	8.40	5	1.3	61.5	26.9	177	<0.1	11.7	20.2	1223	4.73	5	0.9	1.7	45	0.7	0.3	1.2	166	0.93
REP N254431	QC		6																		
Core Reject Duplicates																					
N254339	Drill Core	7.61	164	55.6	255.6	11.7	19	<0.1	1.7	4.3	11	2.97	3	0.2	0.4	33	0.2	0.1	0.7	6	0.02
DUP N254339	QC		160	57.3	262.6	12.0	21	<0.1	1.8	4.5	11	3.06	3	0.2	0.4	36	0.2	0.1	0.8	5	0.02
N254374	Drill Core	7.33	198	71.0	118.4	14.9	13	0.1	0.8	0.9	39	0.94	94	0.4	1.0	90	<0.1	1.3	0.5	14	0.04
DUP N254374	QC		196	68.3	120.1	14.8	13	0.1	0.8	0.9	39	0.91	93	0.4	0.9	89	0.1	1.3	0.5	14	0.04
N254410	Drill Core	6.54	8	4.3	95.1	9.3	3	<0.1	5.7	8.0	19	2.54	7	1.0	6.7	82	<0.1	0.4	0.2	102	0.11
DUP N254410	QC		10	3.7	89.9	9.4	3	<0.1	5.4	7.9	18	2.47	7	1.0	6.5	78	<0.1	0.4	0.2	96	0.11
Reference Materials																					
STD OREAS25A-4A	Standard			2.4	33.2	24.8	40	<0.1	46.3	7.5	490	6.47	10	2.9	15.6	45	<0.1	0.6	0.4	163	0.29
STD OREAS25A-4A	Standard			2.2	33.8	25.3	43	<0.1	45.0	7.7	469	6.50	11	2.9	16.2	45	0.1	0.6	0.4	164	0.27
STD OREAS25A-4A	Standard			2.5	36.4	26.2	45	<0.1	46.9	8.4	513	6.86	10	3.0	16.8	45	<0.1	0.6	0.4	173	0.27
STD OREAS25A-4A	Standard			2.4	35.8	26.3	50	<0.1	44.3	8.1	505	6.72	11	2.8	15.7	49	<0.1	0.7	0.4	169	0.29





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Project: Hushamu  
Report Date: July 17, 2017

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# QUALITY CONTROL REPORT

## VAN17001275.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254312	Drill Core	0.053	7.7	5	<0.01	26	0.064	3.11	0.013	0.02	0.2	32.5	14	185.9	1.6	1.3	0.1	<1	1	0.8	7.5
REP N254312	QC	0.050	7.4	5	<0.01	28	0.060	3.05	0.012	0.02	0.2	32.1	14	187.3	1.5	1.2	<0.1	<1	1	0.8	7.3
N254333	Drill Core	0.042	1.1	5	<0.01	26	0.029	7.98	0.017	<0.01	0.1	27.5	2	4.2	0.7	0.6	<0.1	<1	<1	2.8	4.0
REP N254333	QC																				
N254357	Drill Core	0.026	0.6	3	<0.01	16	0.072	4.48	0.011	<0.01	<0.1	27.2	1	3.0	0.8	1.5	0.1	<1	<1	1.5	<0.1
REP N254357	QC	0.027	0.5	3	<0.01	16	0.070	4.50	0.011	<0.01	<0.1	27.7	1	3.1	0.9	1.4	0.1	<1	1	1.8	<0.1
N254368	Drill Core	0.022	0.3	4	<0.01	14	0.061	2.58	0.009	<0.01	<0.1	22.6	<1	3.0	0.7	1.2	<0.1	<1	<1	1.2	0.2
REP N254368	QC																				
N254394	Drill Core	0.065	3.3	18	0.02	27	0.107	7.12	0.022	0.02	0.2	33.2	8	17.9	3.6	1.1	<0.1	<1	10	1.3	6.2
REP N254394	QC	0.069	3.3	18	0.02	28	0.107	6.95	0.023	0.02	0.2	33.9	8	18.3	3.5	1.1	<0.1	<1	10	1.3	6.1
N254403	Drill Core	0.094	13.5	7	0.01	35	0.102	8.82	0.030	0.05	0.2	67.6	29	27.5	4.4	0.9	<0.1	<1	12	1.0	5.6
REP N254403	QC																				
N254427	Drill Core	0.079	8.0	10	0.09	39	0.141	7.53	0.168	0.88	0.2	61.0	19	5.6	7.7	1.9	0.1	<1	12	2.5	5.9
REP N254427	QC	0.084	8.2	10	0.09	43	0.151	7.44	0.173	0.91	0.2	61.0	19	5.8	7.8	2.0	0.1	<1	12	2.6	5.9
N254431	Drill Core	0.094	7.3	12	2.68	46	0.280	8.19	0.047	0.96	0.1	62.8	19	1.9	12.1	3.2	0.2	1	14	3.6	4.3
REP N254431	QC																				
Core Reject Duplicates																					
N254339	Drill Core	0.018	0.2	4	<0.01	14	0.020	3.57	0.009	<0.01	<0.1	12.8	<1	1.7	0.6	0.4	<0.1	<1	<1	1.0	3.2
DUP N254339	QC	0.017	0.2	4	<0.01	15	0.020	3.63	0.009	<0.01	0.1	13.4	<1	1.6	0.6	0.5	<0.1	<1	<1	1.2	3.3
N254374	Drill Core	0.035	0.5	5	<0.01	32	0.083	2.75	0.008	<0.01	0.1	28.1	1	4.4	0.8	1.5	0.1	<1	<1	1.0	0.3
DUP N254374	QC	0.035	0.4	5	<0.01	32	0.083	2.64	0.008	<0.01	0.1	27.3	<1	4.6	0.8	1.5	0.1	<1	<1	1.0	0.2
N254410	Drill Core	0.103	22.3	18	0.01	34	0.195	8.53	0.031	0.04	0.4	52.8	45	14.3	4.1	2.8	0.2	<1	7	1.0	2.8
DUP N254410	QC	0.095	21.6	18	<0.01	31	0.195	8.23	0.033	0.04	0.3	51.6	42	13.8	4.0	2.9	0.2	<1	6	1.1	2.7
Reference Materials																					
STD OREAS25A-4A	Standard	0.053	21.8	116	0.32	145	0.973	9.29	0.134	0.48	2.0	150.0	48	4.2	10.3	20.2	1.5	1	12	39.2	<0.1
STD OREAS25A-4A	Standard	0.051	21.3	115	0.32	149	0.998	8.88	0.126	0.47	2.0	150.2	47	4.1	10.0	19.3	1.4	<1	12	36.4	<0.1
STD OREAS25A-4A	Standard	0.053	21.3	125	0.34	154	1.002	9.63	0.156	0.49	2.1	150.7	48	4.1	9.7	19.7	1.5	<1	13	38.5	<0.1
STD OREAS25A-4A	Standard	0.051	21.9	118	0.33	151	1.003	9.23	0.145	0.51	1.9	155.1	48	4.3	10.7	20.0	1.4	2	13	42.5	<0.1



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Project: Hushamu  
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# QUALITY CONTROL REPORT

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Method Analyte		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254312	Drill Core	0.5	1.0	0.16	0.283	5	3.9	<0.5
REP N254312	QC	0.5	1.1	0.15	0.259	5	3.9	<0.5
N254333	Drill Core	0.5	1.1	0.10	0.605	3	1.1	<0.5
REP N254333	QC							
N254357	Drill Core	0.4	0.9	0.06	0.130	2	<0.5	<0.5
REP N254357	QC	0.5	0.9	0.07	0.156	<1	<0.5	<0.5
N254368	Drill Core	0.5	0.7	0.06	0.057	2	<0.5	<0.5
REP N254368	QC							
N254394	Drill Core	0.5	1.1	0.23	0.731	12	1.0	<0.5
REP N254394	QC	0.5	1.1	0.26	0.698	11	0.8	<0.5
N254403	Drill Core	1.0	1.8	0.14	0.382	9	0.6	<0.5
REP N254403	QC							
N254427	Drill Core	19.0	1.6	<0.05	0.008	8	<0.5	<0.5
REP N254427	QC	18.9	1.5	0.10	0.007	9	0.5	<0.5
N254431	Drill Core	6.8	1.5	0.27	0.287	6	0.7	1.1
REP N254431	QC							
Core Reject Duplicates								
N254339	Drill Core	0.3	0.4	0.06	0.410	3	<0.5	<0.5
DUP N254339	QC	0.3	0.5	<0.05	0.424	2	<0.5	<0.5
N254374	Drill Core	0.4	0.9	0.10	0.115	3	2.2	<0.5
DUP N254374	QC	0.5	0.8	0.10	0.124	3	2.3	<0.5
N254410	Drill Core	0.7	1.4	0.06	0.305	3	<0.5	<0.5
DUP N254410	QC	0.6	1.4	<0.05	0.254	3	<0.5	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	58.0	4.3	0.08	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	58.5	4.5	0.11	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	58.2	4.4	0.08	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	62.4	4.2	0.10	<0.005	2	<0.5	<0.5



# QUALITY CONTROL REPORT

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		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
STD OREAS45E	Standard			2.1	752.7	16.9	47	0.3	468.3	60.1	555	24.00	15	2.3	12.0	15	<0.1	0.9	0.3	330	0.07	
STD OREAS45E	Standard			2.5	834.0	19.2	50	0.3	517.9	63.0	586	23.98	18	2.5	13.8	16	<0.1	1.0	0.3	359	0.07	
STD OREAS45E	Standard			2.4	799.4	19.1	45	0.3	483.6	62.3	568	25.16	16	2.6	13.7	16	<0.1	1.1	0.3	342	0.06	
STD OREAS45E	Standard			2.5	841.6	19.8	52	0.3	445.3	63.1	631	25.07	19	2.7	14.5	19	<0.1	1.1	0.5	364	0.08	
STD OXC145	Standard		204																			
STD OXC145	Standard		208																			
STD OXC145	Standard		207																			
STD OXC145	Standard		207																			
STD OXH122	Standard		1195																			
STD OXH122	Standard		1198																			
STD OXH122	Standard		1167																			
STD OXH122	Standard		1211																			
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283	
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	
STD OXC145 Expected			212																			
STD OXH122 Expected			1247																			
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	
BLK	Blank		<2																			
BLK	Blank		<2																			
BLK	Blank		<2																			
BLK	Blank		<2																			
BLK	Blank		<2																			
BLK	Blank		<2																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	
BLK	Blank		<2																			
Prep Wash																						
ROCK-VAN	Prep Blank		<2	0.9	5.3	4.9	40	<0.1	1.0	4.0	683	1.99	2	1.2	2.9	201	<0.1	0.2	<0.1	34	1.46	



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Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 17, 2017

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Part: 2 of 3

# QUALITY CONTROL REPORT

VAN17001275.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS45E	Standard	0.034	10.0	908	0.15	231	0.530	6.80	0.060	0.29	0.9	91.3	21	1.3	7.3	5.8	0.5	<1	82	6.6	<0.1
STD OREAS45E	Standard	0.039	11.5	1073	0.17	270	0.590	7.40	0.054	0.34	1.0	99.6	25	1.4	7.8	6.4	0.6	<1	101	6.9	<0.1
STD OREAS45E	Standard	0.032	11.1	1047	0.14	254	0.549	7.19	0.050	0.32	1.0	101.9	24	1.4	7.7	6.3	0.5	<1	88	6.9	<0.1
STD OREAS45E	Standard	0.037	12.1	1103	0.18	278	0.578	7.46	0.062	0.37	1.1	102.6	27	1.5	8.7	6.5	0.6	<1	102	8.2	<0.1
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OREAS25A-4A Expected		0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXC145 Expected																					
STD OXH122 Expected																					
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	0.001	<0.01	0.003	<0.01	<0.1	0.2	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank	0.041	13.0	2	0.52	720	0.189	6.95	3.696	1.45	0.3	51.6	26	1.0	15.6	5.5	0.4	<1	6	2.4	<0.1



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 17, 2017

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Part: 3 of 3

# QUALITY CONTROL REPORT

VAN17001275.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OREAS45E	Standard	19.7	2.8	0.09	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.9	3.1	0.11	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.5	3.0	0.11	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	23.7	2.9	0.10	<0.005	3	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXC145 Expected								
STD OXH122 Expected								
BLK	Blank	0.1	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.1	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	0.2	<0.1	<0.05	<0.005	1	<0.5	<0.5
BLK	Blank							
Prep Wash								
ROCK-VAN	Prep Blank	31.2	1.7	<0.05	<0.005	<1	<0.5	<0.5



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PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 17, 2017

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Part: 1 of 3

# QUALITY CONTROL REPORT

VAN17001275.1

WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
ROCK-VAN	Prep Blank	<2	0.7	6.9	5.0	38	<0.1	1.0	3.6	605	1.96	2	1.2	2.8	185	<0.1	0.1	<0.1	32	1.45



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**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 17, 2017

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Part: 2 of 3

## QUALITY CONTROL REPORT

VAN17001275.1

	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
ROCK-VAN	0.044	12.4	2	0.50	673	0.191	6.94	3.624	1.51	0.3	49.9	25	0.8	14.5	5.1	0.4	1	6	2.2	<0.1
Prep Blank																				



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PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 17, 2017

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Part: 3 of 3

## QUALITY CONTROL REPORT

VAN17001275.1

		MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te
		ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5
ROCK-VAN	Prep Blank	29.8	1.7	<0.05	<0.005	<1	<0.5





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PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 20, 2017  
Report Date: July 22, 2017  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

VAN17001275R.1

## CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 2

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
MA200	2	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 60 days Invoice for Storage

## ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client: Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

Page: 2 of 2

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

**VAN17001275R.1**

Method	MA200																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.001	0.1	
N254350	Rock Pulp	2.0	48.8	8.1	54	<0.1	6.7	13.9	924	3.91	1	0.7	2.1	463	<0.1	0.3	<0.1	138	4.23	0.052	8.3
N254438	Rock Pulp	1.9	48.8	7.6	57	<0.1	7.2	13.3	916	3.83	<1	0.7	1.9	439	0.1	0.3	0.1	140	4.10	0.055	7.8



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

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Part: 2 of 3

# CERTIFICATE OF ANALYSIS

VAN17001275R.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf	
Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1	
N254350	Rock Pulp	10	1.49	572	0.295	7.91	2.608	1.15	4.0	15.4	20	0.8	16.4	3.0	0.2	<1	16	7.0	<0.1	12.8	0.9
N254438	Rock Pulp	10	1.45	557	0.294	7.49	2.530	1.10	3.0	16.0	19	0.6	16.3	2.8	0.2	<1	15	6.6	<0.1	12.3	0.8



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: July 22, 2017

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Part: 3 of 3

## CERTIFICATE OF ANALYSIS

VAN17001275R.1

Method	MA200	MA200	MA200	MA200	MA200	
Analyte	In	Re	Se	Te	Tl	
Unit	ppm	ppm	ppm	ppm	ppm	
MDL	0.05	0.005	1	0.5	0.5	
N254350	Rock Pulp	<0.05	<0.005	<1	<0.5	<0.5
N254438	Rock Pulp	0.06	<0.005	<1	<0.5	<0.5



Bureau Veritas Commodities Canada Ltd.  
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PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 22, 2017

Page: 1 of 1

Part: 1 of 3

# QUALITY CONTROL REPORT

VAN17001275R.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	1	0.01	0.001	0.1	
Reference Materials																					
STD OREAS25A-4A	Standard	2.4	32.9	25.3	39	<0.1	43.4	7.8	493	6.66	10	2.9	16.7	46	<0.1	0.6	0.4	163	0.29	0.047	22.2
STD OREAS45E	Standard	2.1	792.2	20.0	44	0.3	471.4	59.1	569	25.43	17	2.5	14.4	18	<0.1	1.0	0.3	322	0.07	0.031	10.6
STD OREAS25A-4A Expected		2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283	0.0495	21.8
STD OREAS45E Expected		2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065	0.034	11
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.001	<0.1	



Bureau Veritas Commodities Canada Ltd.  
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PHONE (604) 253-3158

**Client: Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 22, 2017

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Part: 2 of 3

# QUALITY CONTROL REPORT

## VAN17001275R.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	Rb	Hf	
Unit	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	0.1	0.1	
Reference Materials																					
STD OREAS25A-4A	Standard	114	0.35	145	0.944	9.17	0.125	0.48	1.8	147.9	48	3.7	9.7	18.3	1.3	<1	12	36.9	<0.1	57.7	4.0
STD OREAS45E	Standard	1109	0.17	248	0.545	7.07	0.060	0.34	1.1	99.7	24	1.4	7.8	5.9	0.5	<1	95	6.6	<0.1	21.2	3.2
STD OREAS25A-4A Expected		120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	61	4.28
STD OREAS45E Expected		979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	21.2	3.11
BLK	Blank	<1	<0.01	<1	<0.001	<0.01	0.004	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1	<0.1



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: July 22, 2017

Page: 1 of 1

Part: 3 of 3

## QUALITY CONTROL REPORT

VAN17001275R.1

Method	MA200	MA200	MA200	MA200	MA200	
Analyte	In	Re	Se	Te	Tl	
Unit	ppm	ppm	ppm	ppm	ppm	
MDL	0.05	0.005	1	0.5	0.5	
Reference Materials						
STD OREAS25A-4A	Standard	0.05	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	0.12	<0.005	3	<0.5	<0.5
STD OREAS25A-4A Expected		0.09		2.5		0.35
STD OREAS45E Expected		0.099		2.97	0.1	0.09
BLK	Blank	<0.05	<0.005	<1	<0.5	<0.5



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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 04, 2017  
Report Date: July 21, 2017  
Page: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN17001319.1

## CLIENT JOB INFORMATION

Project: Hushumu  
Shipment ID:  
P.O. Number  
Number of Samples: 40

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	39	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	1	Sort, label and box pulps			VAN
FA350-Au	40	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	40	Environmental disposal charge-Fire assay lead waste			VAN
MA200	40	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

## ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushumu

Report Date: July 21, 2017

Page: 2 of 3

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# CERTIFICATE OF ANALYSIS

# VAN17001319.1

Method Analyte	Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254334	Drill Core	3.75	145	120.1	1170.1	27.3	24	0.1	2.5	5.0	20	4.32	21	0.4	0.8	81	0.1	1.1	1.1	29	0.06
N254358	Drill Core	4.01	49	51.2	39.1	4.0	19	<0.1	0.8	0.8	17	0.20	5	0.4	0.8	95	0.1	0.1	0.1	9	0.04
N254381	Drill Core	3.88	104	26.5	398.1	6.5	18	<0.1	2.1	4.5	18	1.60	66	1.0	2.0	30	<0.1	1.0	0.4	27	0.03
N254405	Drill Core	3.72	97	10.1	349.0	22.4	20	<0.1	18.0	27.8	9	5.27	16	0.8	2.4	140	0.2	0.9	2.4	213	0.11
N254442	Drill Core	8.43	396	141.6	1393.7	50.1	52	0.2	12.2	34.1	32	8.28	74	0.9	3.0	106	0.3	3.4	3.6	119	0.09
N254443	Drill Core	8.35	240	159.4	880.8	35.9	36	0.1	8.2	21.4	18	5.52	47	0.9	3.1	145	0.4	1.5	2.7	84	0.08
N254444	Drill Core	7.49	392	130.3	693.6	24.6	33	0.3	11.0	30.5	32	9.26	99	0.8	3.8	136	0.4	1.7	2.6	78	0.09
N254445	Drill Core	3.58	346	124.1	358.8	15.9	39	0.2	12.7	41.4	19	7.56	47	0.7	3.2	290	0.2	0.9	2.9	82	0.07
N254447	Drill Core	8.39	219	166.7	307.7	7.4	34	0.1	6.0	17.3	31	3.23	42	0.8	3.5	174	0.5	1.0	0.9	92	0.08
N254448	Drill Core	8.29	289	125.2	472.3	12.9	29	0.2	6.1	15.6	23	5.32	75	0.7	2.7	63	0.2	1.3	1.3	82	0.08
N254449	Drill Core	7.89	226	129.3	413.1	23.8	26	<0.1	4.9	9.9	31	4.21	76	0.7	3.3	88	0.5	1.3	1.4	78	0.10
N254450	Drill Core	6.92	517	545.6	448.8	53.2	43	0.2	2.5	4.9	25	7.26	361	0.8	3.3	65	1.0	4.3	2.4	151	0.11
N254451	Drill Core	7.46	201	208.5	157.8	11.7	34	0.1	5.0	11.8	36	2.80	67	0.8	3.3	141	0.5	0.8	0.8	87	0.07
N254452	Drill Core	7.66	252	177.8	229.4	12.5	34	0.1	5.0	10.6	32	3.18	35	0.6	3.2	92	0.8	0.8	1.1	50	0.07
N254453	Rock	1.68	<2	0.3	0.5	0.1	1	<0.1	<0.1	0.3	30	0.03	<1	1.3	<0.1	4189	<0.1	<0.1	<0.1	<1	37.64
N254454	Drill Core	7.88	369	128.1	998.4	13.7	47	0.1	13.3	36.7	33	4.87	212	0.6	3.5	74	0.8	3.2	1.2	110	0.08
N254455	Drill Core	7.51	249	210.6	300.8	13.9	39	<0.1	6.1	12.2	30	3.72	92	0.5	3.4	111	0.4	1.0	1.1	47	0.09
N254456	Drill Core	7.22	186	152.6	977.1	17.4	21	<0.1	10.5	23.8	28	3.22	124	0.5	4.1	175	0.2	2.0	0.8	131	0.06
N254457	Drill Core	7.16	241	123.6	344.9	11.7	24	0.2	7.6	17.0	18	6.11	81	0.5	2.6	77	0.4	0.7	0.6	66	0.06
N254458	Drill Core	6.92	222	186.1	316.6	15.2	24	0.2	3.8	6.8	38	6.44	115	0.7	3.7	120	0.4	1.3	0.5	90	0.07
N254459	Drill Core	7.09	246	110.0	570.5	35.9	26	0.1	2.0	4.9	23	3.83	551	0.9	2.0	59	0.4	6.2	0.7	29	0.05
N254460	Rock Pulp	0.05	210	376.9	1835.3	25.0	58	12.8	15.1	9.4	700	3.44	14	1.0	1.8	417	0.6	36.1	2.1	83	2.54
N254461	Drill Core	7.42	217	133.0	440.0	20.9	25	0.2	3.6	8.2	29	3.76	141	0.9	2.9	88	0.4	1.9	1.0	35	0.08
N254462	Drill Core	7.54	110	97.8	234.7	21.8	22	<0.1	3.9	9.6	23	2.42	48	0.9	2.8	105	0.2	1.4	0.4	34	0.04
N254463	Drill Core	6.39	185	202.1	175.4	89.0	16	<0.1	1.3	0.4	32	3.79	619	0.5	1.9	107	0.6	23.2	1.8	63	0.07
N254464	Drill Core	6.84	160	137.3	134.9	34.7	14	<0.1	1.0	0.5	25	2.29	157	0.5	1.9	134	0.2	3.3	0.4	64	0.06
N254465	Drill Core	7.16	109	58.4	87.7	11.4	13	<0.1	1.4	1.5	31	0.98	27	0.5	2.3	60	0.1	1.3	0.2	76	0.04
N254466	Drill Core	7.92	109	65.7	74.5	26.8	12	<0.1	1.3	1.3	23	0.74	20	0.4	0.9	46	0.3	0.6	0.2	48	0.02
N254467	Drill Core	3.19	132	45.2	115.3	8.2	15	<0.1	2.4	3.1	23	1.17	16	0.6	2.5	49	0.2	1.0	0.3	74	0.03
N254469	Drill Core	7.32	181	79.5	188.3	28.7	15	<0.1	1.3	1.7	28	2.85	44	0.7	4.4	88	0.2	0.9	0.6	84	0.06



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Project: Hushumu

Report Date: July 21, 2017

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# CERTIFICATE OF ANALYSIS

# VAN17001319.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254334	Drill Core	0.038	1.1	6	<0.01	27	0.036	8.65	0.022	<0.01	0.1	29.7	2	4.4	0.8	0.7	<0.1	<1	<1	3.3	4.2
N254358	Drill Core	0.026	0.5	3	<0.01	16	0.091	4.35	0.016	<0.01	<0.1	30.0	<1	3.0	1.0	1.9	0.2	<1	<1	1.8	<0.1
N254381	Drill Core	0.028	2.0	6	<0.01	29	0.128	4.20	0.013	0.01	0.3	45.7	5	15.7	2.1	3.1	0.3	<1	1	1.4	1.7
N254405	Drill Core	0.086	14.7	24	0.03	38	0.168	9.47	0.025	0.46	0.3	47.1	34	31.3	6.5	1.1	<0.1	<1	17	1.7	5.9
N254442	Drill Core	0.073	10.9	10	0.03	19	0.151	7.02	0.028	0.04	0.2	58.1	25	44.2	2.5	1.5	0.1	<1	3	2.0	9.1
N254443	Drill Core	0.070	13.4	7	0.03	37	0.150	7.29	0.022	0.03	0.2	60.7	28	16.4	2.8	1.7	0.1	<1	3	2.9	6.2
N254444	Drill Core	0.072	14.1	10	0.02	23	0.108	6.09	0.024	0.03	0.2	50.8	30	13.1	3.7	1.4	0.1	<1	3	2.1	8.8
N254445	Drill Core	0.064	12.0	10	0.02	35	0.112	7.35	0.028	0.03	0.2	49.3	27	24.1	4.4	1.3	0.1	<1	4	1.8	7.9
N254447	Drill Core	0.061	13.2	11	0.03	34	0.178	7.90	0.032	0.04	0.3	50.0	28	24.4	2.8	2.3	0.2	<1	3	1.3	3.5
N254448	Drill Core	0.061	10.6	8	0.02	25	0.102	6.50	0.029	0.03	0.2	39.5	22	29.7	2.0	1.3	0.1	<1	3	1.4	4.6
N254449	Drill Core	0.081	13.4	15	0.02	38	0.134	5.87	0.028	0.04	0.3	43.9	28	24.3	1.9	1.7	0.1	<1	3	1.2	2.2
N254450	Drill Core	0.084	14.2	18	0.03	36	0.132	5.88	0.024	0.05	0.2	39.2	31	19.2	2.2	1.5	<0.1	<1	4	2.0	1.6
N254451	Drill Core	0.065	14.7	14	0.02	28	0.206	6.87	0.027	0.04	0.3	47.1	31	19.4	2.2	2.5	0.2	<1	3	1.4	2.3
N254452	Drill Core	0.054	13.3	11	0.02	25	0.139	4.40	0.014	0.03	0.2	31.7	28	20.8	2.1	2.0	0.1	<1	1	1.2	2.8
N254453	Rock	0.004	0.6	<1	1.87	5	0.001	0.01	0.005	<0.01	<0.1	0.3	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.1	<0.1
N254454	Drill Core	0.044	12.2	10	0.02	17	0.135	6.50	0.018	0.03	0.3	35.7	27	83.9	2.4	2.0	<0.1	<1	2	1.8	5.4
N254455	Drill Core	0.045	13.4	9	0.02	28	0.113	3.35	0.016	0.04	0.2	35.6	28	25.7	1.6	1.7	0.1	<1	<1	0.8	3.0
N254456	Drill Core	0.058	17.5	15	0.02	35	0.161	7.46	0.032	0.03	0.1	33.5	39	120.6	1.8	1.9	0.1	<1	2	1.6	3.2
N254457	Drill Core	0.052	11.1	9	0.02	24	0.092	3.96	0.014	0.02	0.1	34.7	25	37.7	1.5	1.1	<0.1	<1	2	1.4	3.6
N254458	Drill Core	0.057	12.9	13	0.02	24	0.084	6.54	0.026	0.03	0.1	47.3	28	36.0	1.5	1.2	<0.1	<1	2	1.6	1.4
N254459	Drill Core	0.039	5.6	5	0.02	25	0.056	3.36	0.014	0.03	<0.1	63.0	11	39.2	1.5	1.2	0.1	<1	2	1.6	1.5
N254460	Rock Pulp	0.057	7.6	17	0.84	669	0.204	6.04	2.175	1.85	1.5	9.7	17	3.0	11.0	2.5	0.2	<1	8	9.8	0.3
N254461	Drill Core	0.055	7.1	7	0.02	32	0.087	5.74	0.019	0.03	0.1	61.4	14	35.5	1.7	1.9	0.1	<1	2	2.9	2.7
N254462	Drill Core	0.032	8.4	7	0.02	54	0.114	6.60	0.027	0.04	0.1	62.8	18	30.7	1.6	2.2	0.2	<1	1	1.0	2.2
N254463	Drill Core	0.065	3.2	8	0.01	40	0.083	5.06	0.019	0.02	0.1	39.4	7	368.3	0.9	1.1	<0.1	<1	2	2.0	0.1
N254464	Drill Core	0.080	3.4	8	0.01	32	0.143	5.88	0.027	0.02	0.4	36.3	7	120.5	0.8	1.8	0.1	<1	1	1.2	<0.1
N254465	Drill Core	0.043	3.2	9	<0.01	25	0.249	7.06	0.034	0.02	0.8	33.9	7	51.0	0.8	3.1	0.2	<1	2	1.2	0.1
N254466	Drill Core	0.040	1.2	9	<0.01	41	0.266	7.49	0.039	0.02	0.7	36.6	3	32.9	0.5	3.7	0.2	<1	2	0.4	0.2
N254467	Drill Core	0.056	4.2	9	<0.01	27	0.197	7.78	0.035	0.02	0.4	43.5	9	28.2	0.8	2.5	0.2	<1	1	1.1	0.7
N254469	Drill Core	0.062	10.4	10	0.01	30	0.121	6.65	0.030	0.02	0.3	46.9	22	32.6	1.0	1.5	0.1	<1	2	1.0	0.5



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# CERTIFICATE OF ANALYSIS

VAN17001319.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254334	Drill Core	0.4	0.9	0.12	0.635	3	0.6	<0.5
N254358	Drill Core	0.4	0.9	0.08	0.172	<1	<0.5	<0.5
N254381	Drill Core	0.5	1.6	<0.05	0.195	<1	0.6	<0.5
N254405	Drill Core	9.0	1.2	0.33	0.169	6	0.5	<0.5
N254442	Drill Core	0.8	1.7	0.23	1.030	6	1.1	<0.5
N254443	Drill Core	0.7	1.9	0.12	0.836	5	0.9	<0.5
N254444	Drill Core	0.8	1.6	0.09	0.603	5	1.5	<0.5
N254445	Drill Core	0.7	1.3	0.14	0.752	2	0.7	<0.5
N254447	Drill Core	1.0	1.4	0.07	1.282	2	<0.5	<0.5
N254448	Drill Core	0.8	1.1	0.16	0.633	5	0.6	<0.5
N254449	Drill Core	0.7	1.2	0.11	0.522	7	0.8	<0.5
N254450	Drill Core	1.3	1.4	0.36	0.405	11	2.6	<0.5
N254451	Drill Core	1.1	1.5	0.10	0.784	3	<0.5	<0.5
N254452	Drill Core	1.2	0.9	0.16	1.338	5	<0.5	<0.5
N254453	Rock	<0.1	<0.1	<0.05	0.005	<1	3.5	<0.5
N254454	Drill Core	1.2	1.1	0.24	0.826	8	1.4	<0.5
N254455	Drill Core	1.4	1.1	0.06	1.037	7	1.2	<0.5
N254456	Drill Core	0.8	0.9	0.10	1.012	7	0.9	<0.5
N254457	Drill Core	0.8	1.1	0.14	0.429	18	0.7	<0.5
N254458	Drill Core	1.0	1.4	0.22	0.290	17	0.6	<0.5
N254459	Drill Core	1.1	2.1	0.31	0.164	17	2.4	<0.5
N254460	Rock Pulp	31.0	0.5	<0.05	0.403	<1	1.1	<0.5
N254461	Drill Core	1.0	1.8	0.14	0.590	11	1.3	<0.5
N254462	Drill Core	1.1	2.0	0.11	0.499	17	<0.5	<0.5
N254463	Drill Core	0.7	1.2	0.68	0.021	1	8.4	<0.5
N254464	Drill Core	0.7	1.1	0.17	0.022	<1	1.3	<0.5
N254465	Drill Core	0.7	1.0	0.13	0.090	<1	<0.5	<0.5
N254466	Drill Core	0.6	1.1	<0.05	0.319	3	<0.5	<0.5
N254467	Drill Core	0.5	1.2	0.06	0.159	3	<0.5	<0.5
N254469	Drill Core	0.5	1.4	0.15	0.133	13	0.5	<0.5



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# CERTIFICATE OF ANALYSIS

**VAN17001319.1**

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254470	Drill Core	6.10	266	176.7	216.9	21.0	20	0.1	1.6	3.8	33	3.92	97	0.7	5.5	340	0.3	1.5	0.8	89	0.06
N254471	Drill Core	7.69	271	138.7	304.8	14.2	13	0.1	4.2	11.2	18	4.97	46	0.7	3.8	208	0.2	1.4	0.8	94	0.07
N254472	Drill Core	7.73	256	36.9	150.1	8.1	9	<0.1	3.3	8.5	29	2.78	41	0.4	4.0	123	<0.1	0.5	0.4	77	0.04
N254473	Drill Core	7.45	350	40.2	1307.1	14.9	15	<0.1	18.6	45.3	38	5.41	279	0.7	10.5	108	0.1	2.9	1.4	113	0.05
N254474	Drill Core	7.50	238	58.5	268.5	16.0	12	<0.1	7.0	21.5	30	4.54	59	0.5	6.8	101	0.1	0.7	0.6	104	0.06
N254475	Drill Core	7.89	204	52.6	402.9	15.0	14	<0.1	10.1	39.0	23	5.57	104	0.5	8.0	200	0.2	0.9	0.7	98	0.07
N254476	Drill Core	7.79	294	53.2	347.0	13.7	13	<0.1	10.2	27.5	30	4.75	132	0.5	5.1	120	0.3	0.5	1.1	90	0.06
N254477	Rock	2.11	<2	0.1	0.7	0.2	<1	<0.1	<0.1	0.2	33	0.03	<1	1.5	<0.1	4862	<0.1	<0.1	<0.1	1	36.40
N254478	Drill Core	8.23	235	135.4	3079.2	10.1	18	<0.1	12.2	31.3	26	3.91	222	0.5	5.8	112	0.4	2.9	0.6	123	0.07
N254479	Drill Core	8.32	414	38.8	1056.0	6.0	10	<0.1	12.3	39.6	32	5.00	284	0.4	5.1	80	0.2	3.0	1.0	126	0.06



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# CERTIFICATE OF ANALYSIS

**VAN17001319.1**

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	
N254470	Drill Core	0.081	13.1	13	0.01	52	0.137	6.56	0.028	0.02	0.2	50.9	33	46.3	1.5	1.6	0.1	<1	2	2.1	0.7
N254471	Drill Core	0.056	10.7	14	<0.01	32	0.222	11.31	0.030	0.01	0.4	55.9	23	36.9	1.4	2.4	0.2	<1	3	5.7	3.2
N254472	Drill Core	0.025	6.4	10	<0.01	16	0.121	6.13	0.016	<0.01	0.2	30.2	15	23.7	1.2	1.4	0.1	<1	2	0.3	1.1
N254473	Drill Core	0.054	29.7	12	<0.01	21	0.159	6.26	0.024	0.02	0.3	38.3	68	27.7	2.5	2.0	0.2	<1	2	1.3	5.2
N254474	Drill Core	0.058	19.6	13	0.01	27	0.125	5.83	0.021	0.02	0.3	35.7	43	19.4	1.7	1.6	0.1	<1	2	1.3	3.1
N254475	Drill Core	0.063	16.4	10	<0.01	35	0.130	6.16	0.020	0.02	0.3	34.1	35	21.8	1.8	1.7	0.1	<1	2	2.0	4.6
N254476	Drill Core	0.045	11.2	12	<0.01	22	0.129	6.24	0.017	0.02	0.3	28.7	26	24.2	1.7	1.4	0.1	<1	1	2.6	3.4
N254477	Rock	0.004	0.7	<1	1.91	6	<0.001	0.04	0.005	<0.01	<0.1	0.3	<1	0.1	0.2	<0.1	<0.1	<1	<1	0.3	<0.1
N254478	Drill Core	0.053	13.8	18	0.01	23	0.175	6.46	0.018	0.02	0.4	23.0	33	55.5	1.9	1.9	0.1	<1	2	1.6	4.3
N254479	Drill Core	0.052	13.4	27	0.01	16	0.143	7.01	0.021	0.01	0.3	7.4	32	37.1	1.7	1.3	<0.1	<1	2	1.4	5.4



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**Client:** Northisle Copper and Gold Inc.

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Project: Hushumu

Report Date: July 21, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001319.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254470	Drill Core	0.5	1.4	0.25	0.092	16	0.8	<0.5
N254471	Drill Core	0.3	1.6	0.17	0.424	28	1.0	<0.5
N254472	Drill Core	0.3	0.9	0.11	0.035	21	<0.5	<0.5
N254473	Drill Core	0.6	1.2	0.10	0.147	82	2.1	<0.5
N254474	Drill Core	0.5	1.0	0.07	0.222	21	<0.5	<0.5
N254475	Drill Core	0.5	1.0	0.14	0.123	54	0.5	<0.5
N254476	Drill Core	0.6	0.8	0.12	0.120	50	0.6	<0.5
N254477	Rock	<0.1	<0.1	<0.05	<0.005	1	4.4	<0.5
N254478	Drill Core	0.6	0.6	0.05	1.094	53	1.9	<0.5
N254479	Drill Core	0.4	0.2	<0.05	0.111	28	1.6	<0.5



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# QUALITY CONTROL REPORT

## VAN17001319.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254444	Drill Core	7.49	392	130.3	693.6	24.6	33	0.3	11.0	30.5	32	9.26	99	0.8	3.8	136	0.4	1.7	2.6	78	0.09
REP N254444	QC		388																		
N254470	Drill Core	6.10	266	176.7	216.9	21.0	20	0.1	1.6	3.8	33	3.92	97	0.7	5.5	340	0.3	1.5	0.8	89	0.06
REP N254470	QC			181.2	227.2	21.8	20	0.1	1.8	3.7	35	4.03	99	0.7	5.9	361	0.4	1.5	0.8	88	0.08
N254473	Drill Core	7.45	350	40.2	1307.1	14.9	15	<0.1	18.6	45.3	38	5.41	279	0.7	10.5	108	0.1	2.9	1.4	113	0.05
REP N254473	QC		363																		
Core Reject Duplicates																					
N254450	Drill Core	6.92	517	545.6	448.8	53.2	43	0.2	2.5	4.9	25	7.26	361	0.8	3.3	65	1.0	4.3	2.4	151	0.11
DUP N254450	QC		504	543.3	439.3	51.4	38	0.2	2.3	4.6	26	7.18	363	0.8	3.2	63	1.0	4.3	2.2	144	0.10
Reference Materials																					
STD OREAS25A-4A	Standard			2.5	35.0	24.2	44	<0.1	47.1	7.5	530	6.64	11	2.7	14.0	48	<0.1	0.7	0.4	161	0.27
STD OREAS25A-4A	Standard			2.4	34.3	25.1	45	<0.1	46.4	7.9	512	6.81	10	2.9	15.2	50	<0.1	0.8	0.5	169	0.29
STD OREAS25A-4A	Standard			2.6	37.1	25.8	47	<0.1	48.0	8.1	517	6.67	10	3.0	16.6	49	<0.1	0.7	0.4	162	0.31
STD OREAS45E	Standard			2.3	786.8	18.2	44	0.3	469.4	58.3	571	24.68	17	2.5	13.3	17	<0.1	1.3	0.4	329	0.07
STD OREAS45E	Standard			2.1	793.9	18.6	48	0.3	479.2	60.2	596	25.16	16	2.6	12.9	18	<0.1	1.3	0.4	338	0.07
STD OREAS45E	Standard			2.6	787.7	19.7	46	0.3	460.8	60.3	593	25.15	18	2.8	14.6	18	<0.1	1.1	0.4	328	0.07
STD OXC145	Standard		214																		
STD OXC145	Standard		200																		
STD OXH122	Standard		1262																		
STD OXH122 Expected			1247																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXC145 Expected			212																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	0.3	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01



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Project: Hushumu  
Report Date: July 21, 2017

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# QUALITY CONTROL REPORT

VAN17001319.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254444 Drill Core	0.072	14.1	10	0.02	23	0.108	6.09	0.024	0.03	0.2	50.8	30	13.1	3.7	1.4	0.1	<1	3	2.1	8.8	
REP N254444 QC																					
N254470 Drill Core	0.081	13.1	13	0.01	52	0.137	6.56	0.028	0.02	0.2	50.9	33	46.3	1.5	1.6	0.1	<1	2	2.1	0.7	
REP N254470 QC	0.078	15.1	13	0.01	55	0.120	7.18	0.027	0.02	0.3	50.2	37	43.7	1.6	1.4	0.1	<1	3	2.4	0.8	
N254473 Drill Core	0.054	29.7	12	<0.01	21	0.159	6.26	0.024	0.02	0.3	38.3	68	27.7	2.5	2.0	0.2	<1	2	1.3	5.2	
REP N254473 QC																					
Core Reject Duplicates																					
N254450 Drill Core	0.084	14.2	18	0.03	36	0.132	5.88	0.024	0.05	0.2	39.2	31	19.2	2.2	1.5	<0.1	<1	4	2.0	1.6	
DUP N254450 QC	0.079	13.7	16	0.03	36	0.127	5.79	0.024	0.04	0.2	37.3	31	18.8	2.0	1.5	<0.1	<1	4	1.7	1.5	
Reference Materials																					
STD OREAS25A-4A Standard	0.054	18.0	124	0.36	148	0.965	9.00	0.144	0.52	2.0	152.5	43	4.0	9.9	19.9	1.4	<1	12	40.7	<0.1	
STD OREAS25A-4A Standard	0.052	21.4	117	0.35	150	1.021	9.17	0.144	0.50	2.1	158.1	50	4.2	11.0	20.8	1.6	1	13	38.8	<0.1	
STD OREAS25A-4A Standard	0.051	22.0	124	0.32	153	0.964	9.06	0.143	0.51	2.0	159.0	49	4.1	10.8	20.8	1.5	<1	13	38.7	<0.1	
STD OREAS45E Standard	0.036	10.7	927	0.18	259	0.562	7.10	0.061	0.36	1.0	92.3	25	1.3	8.7	6.1	0.5	<1	98	8.4	<0.1	
STD OREAS45E Standard	0.035	12.0	957	0.17	265	0.574	7.27	0.064	0.34	1.1	98.4	26	1.3	8.7	6.7	0.5	<1	96	7.8	<0.1	
STD OREAS45E Standard	0.036	11.8	947	0.15	272	0.548	7.01	0.055	0.36	1.1	104.3	26	1.6	9.2	7.1	0.5	<1	96	7.3	<0.1	
STD OXC145 Standard																					
STD OXC145 Standard																					
STD OXH122 Standard																					
STD OXH122 Expected																					
STD OREAS25A-4A Expected	0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	
STD OREAS45E Expected	0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	
STD OXC145 Expected																					
BLK Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK Blank																					
BLK Blank																					
BLK Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.003	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	0.1	<0.1	





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Project: Hushumu

Report Date: July 21, 2017

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# QUALITY CONTROL REPORT

VAN17001319.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254444	Drill Core	0.8	1.6	0.09	0.603	5	1.5	<0.5
REP N254444	QC							
N254470	Drill Core	0.5	1.4	0.25	0.092	16	0.8	<0.5
REP N254470	QC	0.6	1.5	0.17	0.099	14	0.6	<0.5
N254473	Drill Core	0.6	1.2	0.10	0.147	82	2.1	<0.5
REP N254473	QC							
Core Reject Duplicates								
N254450	Drill Core	1.3	1.4	0.36	0.405	11	2.6	<0.5
DUP N254450	QC	1.3	1.1	0.49	0.314	11	2.7	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	52.8	4.1	<0.05	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	57.9	4.5	0.09	<0.005	1	<0.5	<0.5
STD OREAS25A-4A	Standard	58.8	4.2	0.09	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	21.3	3.0	0.07	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	21.3	3.0	0.07	<0.005	<1	<0.5	<0.5
STD OREAS45E	Standard	23.1	3.2	0.16	<0.005	3	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122 Expected								
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXC145 Expected								
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	2	<0.5	<0.5



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# QUALITY CONTROL REPORT

VAN17001319.1

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank		<2																		
Prep Wash																					
ROCK-VAN	Prep Blank		<2	0.8	6.8	3.1	43	<0.1	1.6	3.9	708	2.06	2	1.2	2.7	231	<0.1	0.1	0.1	33	1.51
ROCK-VAN	Prep Blank		<2	0.9	7.4	3.0	42	<0.1	1.1	4.0	701	2.05	1	1.2	2.7	236	<0.1	0.1	<0.1	34	1.45



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# QUALITY CONTROL REPORT

VAN17001319.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
BLK	Blank	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Prep Wash																					
ROCK-VAN	Prep Blank	0.042	11.7	3	0.49	810	0.213	6.82	3.469	1.64	0.4	54.7	24	0.8	16.8	5.6	0.4	<1	7	2.3	<0.1
ROCK-VAN	Prep Blank	0.042	13.3	3	0.51	774	0.219	6.81	3.625	1.54	0.4	54.8	26	0.8	17.3	5.6	0.4	1	7	3.0	<0.1



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Report Date: July 21, 2017

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## QUALITY CONTROL REPORT

VAN17001319.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
BLK	Blank							
Prep Wash								
ROCK-VAN	Prep Blank	32.8	1.9	0.06	<0.005	<1	<0.5	<0.5
ROCK-VAN	Prep Blank	33.0	1.8	<0.05	<0.005	<1	<0.5	<0.5



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Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 17, 2017  
Report Date: August 15, 2017  
Page: 1 of 5

# CERTIFICATE OF ANALYSIS

VAN17001497.1

## CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 120

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	114	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
FA350-Au	119	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	120	Environmental disposal charge-Fire assay lead waste			VAN
MA200	120	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

## ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 15, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.1

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254603	Drill Core	6.91	199	93.5	226.2	35.3	48	0.1	4.3	6.4	22	3.77	117	1.1	3.2	168	0.1	0.7	1.4	59	0.09
N254604	Rock Pulp	0.05	641	337.0	3957.9	31.0	117	15.2	25.2	72.6	1510	4.79	2259	2.1	1.4	451	1.1	40.8	14.6	59	6.13
N254605	Drill Core	6.84	137	49.2	85.9	20.0	35	0.1	1.4	1.5	26	2.84	64	1.0	2.5	69	0.2	0.4	0.8	32	0.04
N254606	Drill Core	7.40	129	58.4	308.0	34.9	80	0.1	7.5	13.3	19	3.72	40	1.2	3.2	93	0.2	0.3	1.1	37	0.07
N254607	Drill Core	7.36	99	60.5	312.0	31.8	41	<0.1	7.2	12.9	19	3.67	39	1.2	4.3	80	0.2	0.6	0.9	71	0.10
N254608	Drill Core	8.13	197	81.2	335.1	16.2	27	<0.1	13.9	28.9	24	6.73	30	1.1	3.6	59	<0.1	1.1	1.7	87	0.08
N254609	Drill Core	7.55	179	51.1	594.4	30.3	39	0.1	15.0	26.9	22	5.24	87	1.3	5.5	68	0.2	2.5	2.4	129	0.10
N254610	Drill Core	7.94	199	54.6	461.5	26.8	48	0.1	10.1	21.6	19	6.12	78	1.1	4.8	37	0.3	1.3	2.2	77	0.08
N254611	Drill Core	3.65	191	64.6	506.1	36.9	61	0.3	10.1	25.9	22	7.43	86	1.1	3.7	82	0.5	1.0	2.3	60	0.08
N254613	Drill Core	8.00	129	97.6	513.2	23.1	30	0.2	10.3	21.8	17	7.63	70	1.1	3.9	68	0.4	0.6	1.3	47	0.05
N254614	Drill Core	8.08	197	157.7	353.9	23.4	38	0.1	7.8	24.4	22	6.17	42	1.2	4.8	92	0.5	0.9	1.4	57	0.08
N254615	Drill Core	7.67	233	88.6	732.3	24.8	31	0.2	10.5	27.8	15	6.33	101	1.2	4.4	101	0.4	2.0	1.6	95	0.08
N254616	Drill Core	8.30	292	129.1	781.3	23.7	42	0.2	11.6	32.1	21	7.99	176	1.3	4.9	77	0.5	2.7	2.2	76	0.08
N254617	Drill Core	8.12	326	178.3	1571.0	31.7	51	0.2	14.6	39.7	17	9.35	81	1.2	5.6	63	0.8	1.2	3.1	102	0.08
N254618	Drill Core	7.16	233	150.0	458.5	18.6	56	0.2	8.5	25.7	16	5.65	79	1.3	5.6	77	0.9	0.7	2.0	55	0.06
N254619	Rock	2.08	<2	0.5	5.9	1.0	<1	<0.1	<0.1	0.3	29	0.05	2	1.3	<0.1	4262	<0.1	<0.1	<0.1	<1	37.21
N254620	Drill Core	7.11	198	144.0	334.5	7.9	25	<0.1	7.0	15.0	16	4.98	22	1.1	3.8	45	0.4	0.2	1.3	25	0.05
N254621	Drill Core	7.33	181	159.1	327.2	16.9	40	0.1	9.6	22.6	14	4.80	43	1.2	5.3	102	0.4	0.3	1.3	54	0.07
N254622	Drill Core	7.16	301	125.2	471.5	20.7	39	0.1	6.9	23.2	15	6.33	36	1.2	3.8	122	0.7	0.3	2.7	22	0.04
N254623	Drill Core	7.77	277	136.9	682.8	14.9	36	<0.1	9.0	28.4	18	6.83	91	1.0	3.9	65	0.3	1.5	1.9	71	0.06
N254624	Drill Core	7.62	192	116.3	808.5	15.3	32	0.2	7.3	21.7	17	4.87	110	1.5	6.0	61	0.4	2.5	1.9	108	0.09
N254625	Drill Core	7.29	202	98.6	373.2	20.5	33	0.1	8.9	26.2	14	6.31	34	1.1	4.1	70	0.5	0.5	2.0	41	0.05
N254626	Rock Pulp	0.06	183	374.6	1866.0	26.2	59	12.6	12.1	8.9	741	3.55	13	1.1	2.5	410	0.5	31.6	2.1	83	2.69
N254627	Drill Core	7.78	221	133.0	373.6	16.3	28	0.2	7.6	29.2	18	5.07	32	1.4	5.4	56	0.3	0.8	1.8	70	0.10
N254628	Drill Core	7.48	289	182.4	598.7	27.4	37	0.2	10.0	24.0	17	5.17	60	1.6	5.9	75	0.6	1.2	1.8	71	0.07
N254629	Drill Core	7.25	232	178.3	456.5	38.6	30	0.2	4.1	10.9	13	5.32	52	1.4	4.4	115	0.5	0.5	2.1	64	0.08
N254630	Drill Core	6.90	178	174.4	272.4	24.7	25	<0.1	2.7	8.1	15	2.86	32	0.7	2.1	112	0.4	0.3	1.2	31	0.07
N254631	Drill Core	8.23	320	128.9	355.0	27.6	26	0.1	8.4	31.8	13	7.50	38	0.8	3.7	92	0.5	0.5	2.5	63	0.11
N254632	Drill Core	7.81	307	178.5	672.5	13.8	50	0.1	9.9	30.4	12	9.18	52	0.6	2.5	87	0.7	1.1	2.5	66	0.08
N254633	Drill Core	7.76	226	144.4	429.3	40.0	56	<0.1	4.5	15.4	9	4.48	37	0.6	2.7	204	0.7	0.5	1.5	37	0.08



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# CERTIFICATE OF ANALYSIS

VAN17001497.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254603	Drill Core	0.067	8.7	7	0.02	60	0.115	4.49	0.017	0.03	0.4	100.4	21	8.2	3.7	1.6	<0.1	<1	3	2.2	2.3	
N254604	Rock Pulp	0.066	15.6	31	0.78	603	0.151	5.95	1.799	1.87	4.9	23.0	22	3.3	9.1	1.8	0.1	<1	6	13.3	0.6	
N254605	Drill Core	0.039	5.8	4	0.02	30	0.119	2.41	0.016	0.03	0.2	86.1	13	6.1	2.7	1.1	<0.1	<1	2	3.1	0.5	
N254606	Drill Core	0.060	7.7	5	0.02	47	0.105	3.77	0.014	0.04	0.3	103.5	18	8.6	3.9	1.5	<0.1	<1	3	1.7	4.0	
N254607	Drill Core	0.064	9.9	4	0.03	50	0.094	6.58	0.018	0.03	0.2	95.6	22	9.6	3.7	1.5	0.1	<1	5	2.2	4.3	
N254608	Drill Core	0.062	9.8	7	0.03	38	0.099	6.17	0.020	0.03	0.2	90.7	22	21.5	3.5	1.6	0.1	<1	5	1.1	7.2	
N254609	Drill Core	0.066	8.1	6	0.03	33	0.138	6.77	0.017	0.04	0.3	111.3	19	53.2	4.9	2.2	0.2	<1	6	1.1	6.0	
N254610	Drill Core	0.056	8.9	6	0.03	32	0.130	6.27	0.015	0.03	0.3	87.7	20	22.0	3.7	1.9	0.1	<1	4	1.3	7.0	
N254611	Drill Core	0.063	10.6	7	0.02	45	0.113	5.82	0.016	0.02	0.2	80.5	23	7.6	3.7	1.5	0.1	<1	4	1.0	8.4	
N254613	Drill Core	0.039	8.7	5	0.02	35	0.086	4.54	0.012	0.03	0.4	87.6	20	6.3	3.6	1.3	<0.1	<1	3	1.0	8.8	
N254614	Drill Core	0.050	10.3	5	0.02	42	0.084	6.24	0.015	0.04	0.5	86.7	23	7.9	3.5	1.4	<0.1	<1	4	1.4	6.9	
N254615	Drill Core	0.065	14.3	6	0.02	44	0.107	6.98	0.018	0.03	0.3	90.3	31	32.0	3.6	1.4	<0.1	<1	4	1.3	7.2	
N254616	Drill Core	0.051	14.0	6	0.02	37	0.093	6.08	0.017	0.04	0.4	88.4	30	22.1	3.6	1.6	<0.1	<1	5	1.3	8.9	
N254617	Drill Core	0.049	17.5	6	0.02	38	0.086	6.51	0.019	0.04	0.3	94.0	41	33.1	4.4	1.3	<0.1	<1	5	1.0	>10	
N254618	Drill Core	0.044	21.5	5	0.02	43	0.073	4.86	0.010	0.03	0.3	90.1	42	7.5	3.5	1.2	<0.1	<1	4	1.2	6.5	
N254619	Rock	0.005	0.3	1	1.74	8	0.002	0.04	0.005	<0.01	<0.1	0.7	<1	0.3	0.2	<0.1	<0.1	<1	<1	0.1	<0.1	
N254620	Drill Core	0.023	15.8	4	0.02	25	0.079	2.58	0.008	0.02	0.3	85.4	30	6.5	2.8	1.2	<0.1	<1	2	1.4	5.7	
N254621	Drill Core	0.042	22.3	5	0.02	43	0.072	4.64	0.012	0.04	0.3	98.1	48	7.8	3.4	1.1	<0.1	<1	3	1.4	5.4	
N254622	Drill Core	0.023	10.5	3	0.01	47	0.052	2.98	0.009	0.03	0.3	81.4	22	6.1	2.9	1.1	<0.1	<1	2	1.5	7.2	
N254623	Drill Core	0.050	15.3	6	0.02	34	0.066	5.20	0.014	0.04	0.2	68.6	33	39.0	2.8	1.0	<0.1	<1	3	1.2	7.0	
N254624	Drill Core	0.062	17.5	5	0.02	38	0.085	6.87	0.014	0.04	0.2	115.9	40	60.0	4.0	1.3	<0.1	<1	5	0.9	5.5	
N254625	Drill Core	0.041	15.9	4	0.02	44	0.083	4.34	0.009	0.03	0.2	63.6	32	6.3	2.6	1.2	<0.1	<1	3	1.1	7.2	
N254626	Rock Pulp	0.054	11.2	18	0.86	752	0.209	7.16	2.294	1.87	1.7	13.4	24	2.9	11.2	2.6	0.1	<1	9	8.6	0.3	
N254627	Drill Core	0.055	18.5	5	0.02	32	0.084	6.48	0.012	0.04	0.2	117.1	36	13.6	3.5	1.3	<0.1	<1	4	0.7	5.7	
N254628	Drill Core	0.048	17.8	5	0.02	35	0.119	6.31	0.013	0.03	0.2	124.4	36	18.7	4.2	1.8	0.1	<1	4	1.1	5.8	
N254629	Drill Core	0.054	13.2	7	0.02	54	0.079	5.19	0.014	0.03	0.4	88.2	27	8.5	2.6	1.4	<0.1	<1	3	1.7	3.6	
N254630	Drill Core	0.052	8.6	4	0.02	39	0.167	1.79	0.008	0.03	0.2	42.0	19	10.6	1.8	1.5	<0.1	<1	2	0.4	2.3	
N254631	Drill Core	0.062	15.7	5	0.02	44	0.103	6.29	0.016	0.03	0.1	40.3	31	12.2	2.8	1.2	<0.1	<1	3	1.5	8.5	
N254632	Drill Core	0.057	9.7	5	0.02	34	0.094	6.50	0.018	0.03	0.2	31.9	21	83.4	2.4	0.9	<0.1	<1	2	1.1	>10	
N254633	Drill Core	0.062	11.8	4	0.01	90	0.077	6.46	0.017	0.03	0.2	27.0	23	7.9	1.8	1.0	<0.1	<1	2	2.0	5.2	



**BUREAU VERITAS** MINERAL LABORATORIES  
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# CERTIFICATE OF ANALYSIS

VAN17001497.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254603	Drill Core	1.1	3.0	0.14	0.334	6	0.7	<0.5
N254604	Rock Pulp	38.6	0.8	0.22	0.429	3	2.6	<0.5
N254605	Drill Core	0.8	2.4	0.12	0.103	3	<0.5	<0.5
N254606	Drill Core	1.2	3.0	0.08	0.671	4	<0.5	<0.5
N254607	Drill Core	0.8	2.6	0.11	0.500	3	0.6	<0.5
N254608	Drill Core	0.8	2.5	0.08	0.655	7	0.5	<0.5
N254609	Drill Core	0.8	2.8	0.19	0.531	6	0.8	<0.5
N254610	Drill Core	0.8	2.5	0.13	0.331	6	0.8	<0.5
N254611	Drill Core	0.7	2.3	0.20	0.398	8	1.2	<0.5
N254613	Drill Core	1.1	2.7	0.08	0.629	8	0.8	<0.5
N254614	Drill Core	1.2	2.5	<0.05	1.043	5	0.6	<0.5
N254615	Drill Core	1.1	2.8	0.16	0.554	4	1.3	<0.5
N254616	Drill Core	1.2	2.5	0.15	0.773	4	2.0	<0.5
N254617	Drill Core	1.1	2.6	0.23	1.023	7	1.3	<0.5
N254618	Drill Core	0.9	2.4	0.10	0.929	5	0.7	<0.5
N254619	Rock	0.1	<0.1	<0.05	0.011	<1	4.3	<0.5
N254620	Drill Core	0.8	2.2	0.06	0.827	9	<0.5	<0.5
N254621	Drill Core	1.0	2.8	<0.05	1.612	5	<0.5	<0.5
N254622	Drill Core	1.1	2.2	0.11	0.836	8	0.7	<0.5
N254623	Drill Core	1.0	1.7	0.10	0.745	7	0.8	<0.5
N254624	Drill Core	1.1	3.3	0.08	0.813	3	1.0	<0.5
N254625	Drill Core	0.7	1.8	0.17	0.628	4	1.0	<0.5
N254626	Rock Pulp	36.2	0.5	0.07	0.373	<1	1.1	<0.5
N254627	Drill Core	1.0	2.9	0.08	0.691	2	0.7	<0.5
N254628	Drill Core	0.9	3.5	0.14	0.799	4	0.9	<0.5
N254629	Drill Core	0.9	2.2	0.59	0.781	7	0.8	<0.5
N254630	Drill Core	0.7	1.2	0.11	0.413	6	<0.5	<0.5
N254631	Drill Core	0.7	1.0	0.11	0.880	7	0.5	<0.5
N254632	Drill Core	1.0	1.0	0.13	1.199	9	0.7	<0.5
N254633	Drill Core	0.7	0.7	0.20	1.231	7	0.8	1.3





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# CERTIFICATE OF ANALYSIS

# VAN17001497.1

Method Analyte	Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254634	Rock	1.84	3	3.1	8.5	0.5	<1	<0.1	<0.1	0.3	24	0.09	<1	1.5	<0.1	4401	0.1	<0.1	<0.1	1	37.29
N254635	Drill Core	8.21	360	108.9	1433.0	31.7	19	0.2	10.4	38.1	8	7.20	68	0.5	3.0	147	0.5	1.2	2.3	104	0.13
N254636	Drill Core	6.23	274	47.0	541.5	24.1	15	0.2	6.1	26.4	11	3.78	94	0.7	3.3	119	0.2	0.9	0.9	68	0.09
N254637	Drill Core	5.87	263	51.6	931.2	16.1	13	0.1	7.4	29.6	15	4.76	135	0.7	3.5	165	0.4	1.3	1.8	98	0.07
N254638	Drill Core	7.52	277	45.8	666.4	20.5	16	0.1	5.1	20.4	14	4.30	139	0.8	3.8	246	0.3	1.2	1.2	89	0.10
N254639	Drill Core	7.26	126	101.2	99.0	21.2	12	<0.1	1.5	5.2	10	1.60	44	0.8	4.2	114	0.2	0.6	0.4	41	0.09
N254640	Drill Core	7.87	189	89.6	103.2	9.0	12	<0.1	3.1	16.1	17	2.36	28	0.7	3.3	59	0.4	0.3	0.4	39	0.08
N254641	Drill Core	7.24	232	67.7	135.4	14.5	14	<0.1	2.1	7.6	9	1.78	33	0.8	3.6	60	0.2	0.3	0.8	48	0.09
N254642	Drill Core	3.07	175	95.6	266.2	22.2	11	<0.1	1.4	6.4	14	1.26	44	0.7	2.9	101	0.2	0.6	0.5	35	0.08
N254644	Drill Core	7.86	132	104.8	85.9	15.2	11	<0.1	0.5	0.9	8	0.28	24	0.6	1.3	64	0.2	0.6	0.3	31	0.07
N254645	Drill Core	7.39	234	73.7	155.8	23.1	12	<0.1	1.7	6.3	10	1.64	25	0.6	2.5	160	0.2	0.5	0.9	27	0.09
N254646	Drill Core	7.44	130	75.4	121.8	13.7	10	<0.1	2.3	10.3	10	1.84	13	0.5	2.2	60	0.2	0.3	0.7	29	0.06
N254647	Drill Core	7.63	133	96.9	96.6	12.0	16	<0.1	1.7	6.0	13	1.21	15	0.7	2.7	67	0.2	0.3	0.5	23	0.06
N254648	Drill Core	7.73	217	68.8	130.7	10.8	13	<0.1	6.7	34.2	13	4.90	43	0.7	3.7	67	0.3	0.6	1.2	42	0.09
N254649	Drill Core	7.53	198	58.3	134.3	9.8	11	<0.1	4.9	26.4	13	3.79	24	0.6	3.2	81	0.3	0.2	0.9	39	0.05
N254650	Drill Core	7.60	133	67.8	90.5	10.3	14	<0.1	2.8	11.9	15	2.25	10	0.5	1.5	104	0.2	0.2	0.7	27	0.03
N254651	Rock Pulp	0.05	I.S.	338.0	3973.3	29.2	106	15.6	22.5	58.4	1471	4.74	2057	2.7	1.6	495	1.0	47.6	17.1	58	6.00
N254652	Drill Core	6.84	148	124.2	246.7	17.8	16	0.1	2.5	7.9	16	3.04	33	0.4	1.5	120	0.4	0.4	0.8	39	0.05
N254653	Drill Core	7.01	51	32.8	43.3	14.5	16	<0.1	1.0	1.0	21	0.35	5	0.4	1.2	44	0.1	0.2	0.1	19	0.02
N254654	Drill Core	7.06	60	36.7	61.6	11.1	14	<0.1	0.9	0.8	16	0.45	11	0.3	0.9	26	0.2	0.3	0.2	13	0.02
N254655	Drill Core	7.02	74	69.8	83.8	14.4	21	<0.1	1.0	1.4	18	0.89	9	0.5	1.3	35	0.4	0.2	0.3	21	0.03
N254656	Drill Core	7.73	117	70.2	208.0	25.5	22	<0.1	1.5	1.7	18	2.12	24	0.5	2.2	47	0.3	0.7	0.4	50	0.03
N254657	Drill Core	6.13	101	85.9	76.9	13.8	14	<0.1	1.0	1.6	14	1.05	9	0.5	2.0	36	0.1	0.2	0.4	24	0.02
N254658	Drill Core	3.49	132	57.2	342.8	8.7	8	<0.1	4.3	14.8	8	3.27	45	1.8	5.3	28	0.1	0.9	1.2	46	0.06
N254660	Drill Core	8.06	116	42.6	95.3	9.0	12	<0.1	2.6	9.8	7	2.12	20	1.4	3.5	42	<0.1	0.3	0.4	34	0.05
N254661	Drill Core	7.39	79	93.3	60.3	24.8	18	<0.1	0.7	0.7	11	0.51	25	0.8	2.9	45	0.3	0.2	0.2	35	0.04
N254662	Drill Core	8.18	121	50.5	69.0	11.6	15	<0.1	0.8	2.1	15	0.80	7	0.7	2.1	57	<0.1	0.2	0.3	23	0.03
N254663	Drill Core	7.60	173	30.5	142.3	10.3	10	<0.1	1.7	6.2	12	1.19	7	0.5	2.8	39	0.1	0.3	0.4	55	0.03
N254664	Drill Core	7.48	226	35.2	773.5	11.7	15	<0.1	1.5	7.9	12	1.63	52	0.3	1.7	57	0.2	0.7	0.3	35	0.03
N254665	Drill Core	7.33	94	33.6	137.7	5.9	14	<0.1	0.6	0.4	12	0.20	24	0.3	1.1	29	0.2	0.3	<0.1	26	0.02



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Project: Hushamu

Report Date: August 15, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254634	Rock	0.004	0.7	1	1.94	6	0.004	0.12	0.004	<0.01	<0.1	0.7	<1	1.1	0.2	0.2	<0.1	<1	<1	0.2	<0.1
N254635	Drill Core	0.063	12.9	5	0.02	58	0.092	7.61	0.016	0.03	0.2	22.5	25	24.1	2.2	0.9	<0.1	<1	4	1.5	8.1
N254636	Drill Core	0.056	8.9	5	0.01	42	0.128	7.64	0.024	0.03	0.3	44.6	21	19.9	1.7	1.6	0.1	<1	3	1.6	4.3
N254637	Drill Core	0.055	8.2	6	0.02	37	0.183	6.94	0.025	0.03	0.4	50.6	19	26.6	2.2	2.9	0.2	<1	3	1.4	5.4
N254638	Drill Core	0.065	9.3	6	0.01	38	0.206	6.65	0.024	0.03	0.5	53.1	22	33.8	2.4	3.3	0.2	<1	4	1.1	4.8
N254639	Drill Core	0.063	12.7	6	<0.01	29	0.230	5.99	0.021	0.03	0.6	53.6	27	15.9	1.7	3.9	0.2	<1	2	2.7	1.1
N254640	Drill Core	0.066	12.6	6	0.01	20	0.162	7.35	0.022	0.03	0.3	49.0	27	12.7	1.7	2.5	0.2	<1	1	1.8	2.7
N254641	Drill Core	0.054	9.4	5	0.01	18	0.186	6.38	0.019	0.03	0.4	49.8	22	18.3	1.9	3.3	0.2	<1	2	2.4	2.0
N254642	Drill Core	0.060	11.7	5	0.01	39	0.133	6.48	0.021	0.02	0.4	47.1	25	16.1	1.5	2.3	0.2	<1	1	2.1	1.4
N254644	Drill Core	0.051	3.5	3	<0.01	33	0.127	6.16	0.019	0.02	0.3	43.3	8	20.1	0.9	1.7	0.1	<1	2	2.7	0.2
N254645	Drill Core	0.062	9.2	4	0.01	38	0.136	5.86	0.017	0.03	0.3	41.2	21	28.7	1.5	2.2	0.1	<1	1	2.2	1.7
N254646	Drill Core	0.049	7.5	4	0.01	18	0.161	6.03	0.018	0.02	0.4	32.7	17	12.0	1.0	2.6	0.2	<1	<1	1.8	2.0
N254647	Drill Core	0.045	6.9	4	<0.01	17	0.124	5.19	0.017	0.03	0.5	51.9	15	20.2	1.1	2.3	0.2	<1	1	1.6	1.2
N254648	Drill Core	0.058	8.5	5	0.01	19	0.141	6.80	0.022	0.03	0.3	37.2	19	15.3	1.9	2.0	0.1	<1	2	1.4	5.5
N254649	Drill Core	0.050	10.2	5	0.01	21	0.116	7.23	0.021	0.02	0.2	36.3	22	16.6	2.1	1.6	0.1	<1	1	1.4	4.2
N254650	Drill Core	0.036	3.6	5	0.01	17	0.098	6.49	0.019	0.02	0.3	36.9	8	13.5	1.4	1.6	0.1	<1	1	2.3	2.5
N254651	Rock Pulp	0.054	15.7	29	0.77	335	0.171	5.82	1.782	1.85	4.2	22.1	24	3.5	9.1	1.7	0.1	<1	7	13.2	0.6
N254652	Drill Core	0.042	4.0	6	<0.01	24	0.090	5.89	0.017	0.02	0.2	25.2	8	10.5	1.3	1.4	0.1	<1	1	2.1	2.2
N254653	Drill Core	0.012	3.1	3	<0.01	17	0.107	5.03	0.016	0.01	0.3	22.1	6	7.9	0.5	1.7	0.2	<1	<1	1.2	<0.1
N254654	Drill Core	0.015	1.7	3	<0.01	13	0.099	3.86	0.011	0.01	0.3	20.1	4	6.7	0.4	1.6	0.2	<1	<1	1.2	<0.1
N254655	Drill Core	0.016	2.5	4	<0.01	13	0.099	4.67	0.011	0.01	0.3	32.7	5	10.1	0.6	1.7	0.2	<1	<1	1.4	0.3
N254656	Drill Core	0.023	4.8	5	<0.01	21	0.096	4.38	0.013	0.02	0.4	29.2	10	7.1	0.9	1.9	0.2	<1	1	1.7	0.6
N254657	Drill Core	0.014	4.1	4	<0.01	17	0.104	5.00	0.014	0.01	0.3	23.1	9	7.7	0.7	1.7	0.1	<1	<1	1.8	0.2
N254658	Drill Core	0.042	12.3	4	<0.01	26	0.113	7.26	0.018	0.02	0.3	63.7	28	20.3	2.6	2.5	0.3	<1	1	0.8	3.5
N254660	Drill Core	0.036	7.1	4	<0.01	22	0.110	6.34	0.014	0.02	0.3	56.1	14	11.8	2.1	2.7	0.3	<1	<1	1.3	2.5
N254661	Drill Core	0.025	4.7	4	<0.01	20	0.135	4.87	0.012	0.02	0.3	37.2	9	8.2	1.2	2.7	0.2	<1	1	1.7	0.1
N254662	Drill Core	0.024	5.0	3	<0.01	15	0.096	4.13	0.012	0.01	0.3	29.0	10	7.4	0.9	2.0	0.2	<1	<1	1.4	0.6
N254663	Drill Core	0.017	5.4	6	<0.01	16	0.075	5.39	0.016	0.01	0.2	21.4	12	10.1	1.1	1.9	0.2	<1	2	1.4	1.1
N254664	Drill Core	0.022	1.8	4	<0.01	16	0.088	4.54	0.013	0.01	0.3	17.8	4	10.3	0.7	2.1	0.2	<1	1	1.5	1.8
N254665	Drill Core	0.017	0.7	3	<0.01	12	0.123	4.42	0.013	<0.01	0.1	18.6	2	8.2	0.5	2.2	0.3	<1	1	1.1	<0.1



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Project: Hushamu

Report Date: August 15, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001497.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254634	Rock	<0.1	<0.1	<0.05	0.039	<1	5.4	<0.5
N254635	Drill Core	0.7	0.6	0.08	0.642	11	1.1	<0.5
N254636	Drill Core	0.5	1.2	0.19	0.226	16	0.9	<0.5
N254637	Drill Core	0.6	1.1	0.25	0.180	18	1.1	<0.5
N254638	Drill Core	0.5	1.5	0.28	0.185	14	<0.5	<0.5
N254639	Drill Core	0.5	1.2	0.09	0.385	11	<0.5	<0.5
N254640	Drill Core	0.5	1.3	0.08	0.559	15	<0.5	<0.5
N254641	Drill Core	0.5	1.3	<0.05	0.267	16	<0.5	<0.5
N254642	Drill Core	0.4	1.2	<0.05	0.431	7	1.0	<0.5
N254644	Drill Core	0.3	1.2	<0.05	0.233	<1	<0.5	<0.5
N254645	Drill Core	0.4	1.0	0.10	0.240	8	<0.5	<0.5
N254646	Drill Core	0.5	0.8	<0.05	0.305	11	<0.5	<0.5
N254647	Drill Core	0.6	1.4	0.05	0.428	6	<0.5	<0.5
N254648	Drill Core	0.5	1.0	<0.05	0.362	25	<0.5	<0.5
N254649	Drill Core	0.5	1.0	<0.05	0.270	19	<0.5	<0.5
N254650	Drill Core	0.5	1.1	<0.05	0.356	12	<0.5	<0.5
N254651	Rock Pulp	33.2	0.6	0.13	0.373	3	3.3	<0.5
N254652	Drill Core	0.5	0.8	0.21	0.155	15	<0.5	<0.5
N254653	Drill Core	0.7	0.6	<0.05	0.022	<1	<0.5	<0.5
N254654	Drill Core	0.6	0.5	0.09	0.037	<1	<0.5	<0.5
N254655	Drill Core	0.7	1.0	0.11	0.152	<1	<0.5	<0.5
N254656	Drill Core	0.7	0.9	0.35	0.040	1	0.5	<0.5
N254657	Drill Core	0.6	0.7	0.12	0.085	1	<0.5	<0.5
N254658	Drill Core	0.6	2.1	0.11	0.280	7	<0.5	<0.5
N254660	Drill Core	0.5	2.0	<0.05	0.254	7	<0.5	<0.5
N254661	Drill Core	0.6	1.1	0.16	0.264	1	<0.5	<0.5
N254662	Drill Core	0.6	0.9	0.10	0.183	2	<0.5	<0.5
N254663	Drill Core	0.5	0.7	0.07	0.085	5	<0.5	<0.5
N254664	Drill Core	0.5	0.6	<0.05	0.167	8	0.8	<0.5
N254665	Drill Core	0.6	0.7	<0.05	0.195	<1	<0.5	<0.5



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# CERTIFICATE OF ANALYSIS

# VAN17001497.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254666	Rock	1.92	<2	0.9	11.6	0.7	2	<0.1	<0.1	<0.2	28	0.04	1	1.8	<0.1	4872	<0.1	<0.1	<0.1	<1	37.60
N254667	Drill Core	7.40	100	37.2	131.2	6.7	13	<0.1	0.6	0.7	13	0.45	14	0.4	1.1	40	0.1	0.4	0.2	23	0.03
N254668	Drill Core	7.10	96	71.1	146.3	23.4	13	<0.1	0.9	1.4	17	1.52	59	0.2	0.9	30	0.1	1.0	0.3	40	0.04
N254669	Drill Core	6.88	97	63.5	192.5	12.5	18	<0.1	0.9	2.3	13	0.92	48	0.4	1.0	47	0.3	1.8	0.2	22	0.06
N254670	Drill Core	7.46	38	29.1	54.3	12.4	10	<0.1	0.5	0.5	10	0.51	31	1.1	2.0	54	<0.1	0.7	0.2	25	0.07
N254671	Drill Core	6.85	64	32.8	111.2	6.0	14	<0.1	0.7	0.8	17	0.32	16	0.4	0.9	25	0.1	0.6	0.1	16	0.04
N254672	Rock Pulp	0.06	182	393.0	1970.3	24.3	55	13.7	14.0	9.2	730	3.66	15	0.8	2.0	406	0.2	36.3	2.2	86	2.71
N254673	Drill Core	7.48	62	36.5	67.4	5.3	13	<0.1	1.1	0.9	23	0.42	12	0.2	0.5	6	0.2	0.2	<0.1	9	0.01
N254674	Drill Core	7.65	58	49.7	71.0	9.2	32	<0.1	1.1	1.2	24	0.41	9	0.3	0.8	9	0.2	0.3	0.1	13	0.02
N254675	Drill Core	7.42	91	59.8	167.2	9.2	21	0.2	1.1	1.5	23	0.89	29	0.3	1.0	26	0.3	0.6	0.2	14	0.02
N254676	Drill Core	7.44	70	62.6	67.6	6.1	14	<0.1	0.7	0.6	15	0.27	2	0.4	1.0	25	<0.1	0.1	<0.1	29	0.04
N254677	Drill Core	7.51	87	50.8	68.8	7.4	11	<0.1	0.8	0.6	15	0.22	4	0.4	5.4	32	0.1	0.2	0.1	65	0.09
N254678	Drill Core	3.38	54	40.8	69.4	10.5	14	<0.1	0.7	0.8	12	0.20	8	0.4	6.5	38	0.1	0.3	0.1	70	0.08
N254680	Drill Core	7.36	47	41.2	40.1	11.4	13	<0.1	0.6	0.5	15	0.47	21	0.3	3.6	28	<0.1	0.2	<0.1	69	0.06
N254681	Drill Core	7.03	51	41.1	93.0	11.9	13	<0.1	0.5	0.9	13	0.45	12	0.3	2.6	49	<0.1	0.3	0.2	52	0.07
N254682	Drill Core	7.41	47	48.2	170.7	9.9	16	<0.1	0.8	0.9	16	0.39	14	0.3	1.1	79	0.2	0.5	0.1	28	0.06
N254683	Drill Core	7.97	155	30.3	142.6	9.1	15	0.2	1.1	1.0	14	0.76	3	0.5	3.9	29	<0.1	0.2	0.4	45	0.07
N254684	Drill Core	7.83	97	43.9	174.5	6.3	14	<0.1	1.3	3.6	15	1.13	5	0.4	4.3	20	0.1	0.1	0.2	34	0.06
N254685	Drill Core	8.00	77	36.8	82.2	4.3	13	<0.1	1.1	1.5	19	0.54	3	0.5	4.5	18	<0.1	0.2	0.1	40	0.06
N254686	Drill Core	7.69	179	36.4	334.1	6.7	13	0.1	1.8	2.2	20	1.23	12	0.5	3.3	27	<0.1	0.6	0.5	24	0.05
N254687	Drill Core	7.59	156	36.5	>10000	7.5	22	0.2	1.3	1.7	18	1.07	130	0.7	1.8	61	0.4	2.4	0.4	31	0.06
N254688	Drill Core	7.33	55	33.2	302.6	4.2	13	<0.1	0.5	0.4	16	0.24	6	0.5	0.9	25	0.1	0.2	<0.1	14	0.04
N254689	Rock	1.77	<2	0.1	3.5	0.2	1	0.1	<0.1	<0.2	32	0.03	11	1.6	<0.1	4549	<0.1	<0.1	<0.1	<1	38.18
N254690	Drill Core	7.28	98	27.1	244.3	4.7	10	<0.1	0.7	0.6	17	0.31	8	0.6	0.7	28	<0.1	0.3	<0.1	17	0.03
N254691	Drill Core	7.61	67	36.8	176.6	4.9	10	<0.1	0.6	0.5	11	0.19	12	0.4	1.3	40	<0.1	0.4	<0.1	39	0.10
N254692	Drill Core	7.43	79	59.2	157.5	3.8	13	<0.1	0.8	0.5	12	0.18	6	0.5	2.8	33	0.2	0.2	<0.1	31	0.09
N254693	Drill Core	7.51	74	38.5	162.8	4.0	8	<0.1	0.7	0.6	9	0.42	4	0.4	2.7	26	0.2	0.3	<0.1	78	0.10
N254694	Drill Core	7.34	71	36.6	115.0	7.6	10	<0.1	1.4	2.0	12	0.86	4	0.4	2.4	79	<0.1	0.1	0.1	47	0.10
N254695	Drill Core	7.34	110	31.3	210.6	9.6	12	<0.1	2.7	4.0	14	1.25	10	0.5	2.4	54	0.1	0.2	0.2	46	0.09
N254696	Drill Core	7.67	317	21.7	282.7	9.4	16	<0.1	10.4	14.8	12	3.31	26	0.5	2.5	34	0.1	0.6	0.4	92	0.11



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Project: Hushamu

Report Date: August 15, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001497.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254666	Rock	0.003	0.6	1	1.67	9	0.003	0.09	0.004	<0.01	<0.1	0.6	<1	0.2	0.3	0.1	<0.1	<1	<1	0.2	<0.1
N254667	Drill Core	0.012	0.5	4	<0.01	16	0.119	3.98	0.012	<0.01	0.1	21.5	1	14.2	0.7	2.3	0.2	<1	1	1.3	0.2
N254668	Drill Core	0.025	0.3	4	<0.01	17	0.042	2.78	0.011	0.01	0.1	14.2	<1	17.0	0.4	0.8	<0.1	<1	<1	0.9	0.3
N254669	Drill Core	0.044	0.5	4	<0.01	30	0.062	3.71	0.012	0.01	0.2	26.5	1	33.3	1.1	1.1	0.1	<1	<1	1.2	0.6
N254670	Drill Core	0.041	0.6	4	<0.01	39	0.098	5.66	0.016	0.02	0.3	54.1	1	12.2	3.3	2.3	0.2	<1	2	1.1	<0.1
N254671	Drill Core	0.018	0.2	4	<0.01	17	0.115	2.94	0.012	0.01	0.2	21.9	<1	18.3	0.7	1.6	0.1	<1	<1	0.7	0.2
N254672	Rock Pulp	0.051	7.5	20	0.86	741	0.233	6.62	2.390	1.98	1.6	8.8	18	3.2	9.4	2.4	0.1	1	9	9.3	0.3
N254673	Drill Core	0.004	<0.1	3	<0.01	6	0.060	1.27	0.008	0.01	0.2	15.8	<1	12.7	0.5	1.0	<0.1	<1	<1	0.4	0.2
N254674	Drill Core	0.008	0.2	4	<0.01	40	0.107	1.51	0.010	0.01	0.2	18.0	<1	12.1	0.9	1.7	<0.1	<1	<1	1.2	0.2
N254675	Drill Core	0.017	0.3	4	<0.01	13	0.080	1.83	0.009	0.01	0.2	20.1	<1	7.9	0.7	1.5	<0.1	<1	<1	0.7	0.6
N254676	Drill Core	0.036	0.5	7	<0.01	22	0.138	5.32	0.016	0.01	0.2	26.9	1	7.7	1.1	1.9	0.1	<1	1	1.3	0.1
N254677	Drill Core	0.068	9.8	11	<0.01	31	0.256	5.97	0.020	0.02	0.4	18.5	19	15.8	1.1	3.7	0.2	<1	2	1.0	0.1
N254678	Drill Core	0.061	19.0	12	0.01	31	0.269	6.45	0.020	0.02	0.2	13.4	38	16.8	1.3	3.9	0.1	<1	1	0.9	0.1
N254680	Drill Core	0.045	8.6	9	<0.01	19	0.143	5.77	0.019	0.02	0.1	16.0	18	11.1	1.0	2.2	0.1	<1	2	1.2	<0.1
N254681	Drill Core	0.054	8.1	9	<0.01	27	0.156	7.06	0.020	0.01	0.2	22.9	15	15.1	0.8	2.2	0.1	<1	2	1.8	0.3
N254682	Drill Core	0.047	1.6	5	<0.01	25	0.105	4.43	0.014	0.02	0.2	19.8	3	13.7	0.7	1.8	<0.1	<1	1	1.0	0.2
N254683	Drill Core	0.050	9.6	6	<0.01	23	0.097	5.54	0.018	0.02	0.1	35.0	20	12.9	0.8	1.6	<0.1	<1	2	0.9	0.8
N254684	Drill Core	0.040	9.0	7	<0.01	17	0.076	5.29	0.017	0.02	0.1	31.1	19	8.6	0.8	1.4	<0.1	<1	1	1.1	1.2
N254685	Drill Core	0.052	9.4	9	<0.01	19	0.092	6.00	0.019	0.03	<0.1	34.2	20	10.4	0.9	1.6	0.1	<1	1	0.8	0.5
N254686	Drill Core	0.034	6.9	14	<0.01	18	0.053	4.46	0.015	0.02	0.1	33.8	14	12.3	1.0	1.3	<0.1	<1	<1	0.7	1.3
N254687	Drill Core	0.052	2.9	9	<0.01	29	0.055	4.22	0.016	0.02	0.1	37.0	6	21.3	1.2	1.1	<0.1	<1	1	0.9	1.4
N254688	Drill Core	0.028	1.1	4	<0.01	19	0.082	3.05	0.014	0.03	0.1	34.8	2	6.6	0.8	1.6	0.1	<1	<1	0.7	0.1
N254689	Rock	0.004	0.2	1	1.84	7	0.002	0.04	0.006	<0.01	<0.1	0.4	<1	<0.1	0.3	0.1	<0.1	<1	<1	0.2	<0.1
N254690	Drill Core	0.026	0.5	5	<0.01	21	0.111	2.31	0.010	0.02	<0.1	40.4	1	7.1	0.7	2.0	0.1	<1	<1	0.4	0.2
N254691	Drill Core	0.070	2.8	8	<0.01	36	0.257	7.53	0.020	0.02	0.2	28.9	6	13.1	0.7	3.4	0.1	<1	1	1.1	0.2
N254692	Drill Core	0.067	5.1	12	0.01	24	0.261	4.34	0.014	0.02	0.4	31.6	10	14.6	0.8	3.2	0.1	<1	1	0.8	0.2
N254693	Drill Core	0.080	6.3	10	0.01	30	0.386	8.36	0.024	0.03	0.2	31.5	13	19.1	0.8	4.8	0.2	<1	2	1.2	0.5
N254694	Drill Core	0.073	7.3	8	<0.01	44	0.183	5.72	0.020	0.03	0.2	31.7	14	9.2	0.9	2.1	<0.1	<1	2	0.7	1.0
N254695	Drill Core	0.072	10.8	12	<0.01	32	0.126	5.48	0.019	0.03	0.2	31.5	20	10.2	1.0	1.5	<0.1	<1	2	0.7	1.4
N254696	Drill Core	0.084	10.8	24	0.02	29	0.078	8.28	0.025	0.04	<0.1	34.2	22	16.2	1.4	0.9	<0.1	<1	5	0.7	3.7



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# CERTIFICATE OF ANALYSIS

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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5
N254666	Rock	<0.1	<0.1	<0.05	0.008	<1	2.1	<0.5
N254667	Drill Core	0.3	0.7	<0.05	0.212	1	<0.5	<0.5
N254668	Drill Core	0.5	0.5	0.23	0.065	1	0.5	<0.5
N254669	Drill Core	0.6	0.9	0.10	0.251	1	0.6	<0.5
N254670	Drill Core	0.7	1.7	0.15	0.034	<1	<0.5	<0.5
N254671	Drill Core	0.4	0.6	<0.05	0.216	<1	<0.5	<0.5
N254672	Rock Pulp	29.2	0.5	<0.05	0.380	<1	1.4	<0.5
N254673	Drill Core	0.7	0.5	<0.05	0.115	<1	<0.5	<0.5
N254674	Drill Core	0.7	0.6	0.08	0.197	<1	<0.5	<0.5
N254675	Drill Core	0.6	0.6	0.08	0.268	<1	<0.5	<0.5
N254676	Drill Core	0.5	0.8	<0.05	0.448	<1	<0.5	<0.5
N254677	Drill Core	0.5	0.5	<0.05	0.374	<1	<0.5	<0.5
N254678	Drill Core	0.6	0.4	0.08	0.195	<1	<0.5	<0.5
N254680	Drill Core	0.7	0.6	0.12	0.072	<1	<0.5	<0.5
N254681	Drill Core	0.6	0.7	0.06	0.120	1	<0.5	<0.5
N254682	Drill Core	0.6	0.6	0.16	0.112	<1	<0.5	<0.5
N254683	Drill Core	0.6	1.0	0.07	0.131	<1	<0.5	<0.5
N254684	Drill Core	0.7	0.9	<0.05	0.220	1	<0.5	<0.5
N254685	Drill Core	0.8	1.1	0.05	0.185	<1	<0.5	<0.5
N254686	Drill Core	0.8	1.0	0.06	0.185	<1	<0.5	<0.5
N254687	Drill Core	0.7	1.2	0.14	0.156	6	1.0	<0.5
N254688	Drill Core	0.4	1.1	<0.05	0.195	<1	<0.5	<0.5
N254689	Rock	0.2	<0.1	<0.05	0.006	<1	3.8	<0.5
N254690	Drill Core	0.6	1.1	<0.05	0.135	<1	<0.5	<0.5
N254691	Drill Core	0.8	0.9	<0.05	0.165	<1	<0.5	<0.5
N254692	Drill Core	0.6	0.9	0.07	0.424	<1	<0.5	<0.5
N254693	Drill Core	0.7	0.8	<0.05	0.197	<1	<0.5	<0.5
N254694	Drill Core	0.6	0.8	0.06	0.174	2	<0.5	<0.5
N254695	Drill Core	0.6	1.0	0.06	0.133	2	<0.5	<0.5
N254696	Drill Core	0.8	0.9	0.11	0.091	8	<0.5	<0.5



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**Project:** Hushamu  
**Report Date:** August 15, 2017

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# CERTIFICATE OF ANALYSIS

# VAN17001497.1

Method Analyte	Unit	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
			Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
MDL	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254697	Rock Pulp	0.05	651	343.8	4065.8	28.3	111	16.5	26.5	75.3	1462	4.88	1979	2.4	1.5	446	0.9	46.8	14.5	62	5.84
N254698	Drill Core	8.23	190	33.9	215.5	4.6	11	<0.1	5.1	7.2	12	2.21	11	0.5	2.3	31	<0.1	0.3	0.4	75	0.10
N254699	Drill Core	7.48	132	23.9	171.0	4.5	8	<0.1	3.2	3.0	11	1.04	4	0.4	2.6	27	<0.1	0.3	0.2	68	0.11
N254700	Drill Core	3.37	206	28.3	366.9	7.4	8	<0.1	5.3	7.0	10	2.18	3	0.6	3.7	33	<0.1	0.2	0.3	70	0.11
N254702	Drill Core	8.31	284	26.7	228.8	8.4	8	<0.1	16.5	27.1	13	5.96	4	0.6	3.7	37	<0.1	0.3	0.7	77	0.12
N254703	Drill Core	6.97	120	29.6	295.7	6.3	15	<0.1	5.2	8.5	17	3.06	5	0.5	1.7	18	0.1	0.1	0.3	15	0.04
N254704	Drill Core	7.57	206	31.1	317.2	7.0	13	<0.1	8.5	12.5	14	3.78	4	0.4	2.5	25	0.1	0.1	0.8	44	0.08
N254705	Drill Core	8.19	158	58.0	267.7	5.4	9	<0.1	7.9	11.9	10	4.32	4	0.5	3.4	43	<0.1	0.2	0.4	62	0.10
N254706	Drill Core	8.08	282	52.5	497.3	4.3	8	<0.1	17.4	31.9	12	8.26	12	0.4	2.7	45	<0.1	0.7	0.9	82	0.11
N254707	Drill Core	8.04	258	34.8	917.1	3.5	7	<0.1	12.6	25.8	10	6.19	22	0.6	3.3	25	<0.1	1.0	0.7	116	0.10
N254708	Drill Core	8.38	303	49.8	649.8	4.0	7	<0.1	16.8	30.9	12	7.02	14	0.5	3.0	35	<0.1	0.5	0.9	119	0.13
N254709	Drill Core	7.80	290	83.2	211.4	2.9	8	<0.1	8.9	16.1	15	4.14	12	0.6	2.7	28	<0.1	0.4	0.4	68	0.09
N254710	Rock	2.15	<2	0.2	1.9	0.2	<1	<0.1	<0.1	0.2	32	0.04	<1	1.5	<0.1	4511	<0.1	<0.1	<0.1	<1	37.32
N254711	Drill Core	8.19	311	57.3	215.9	3.2	7	<0.1	13.0	26.3	14	5.92	10	0.7	3.3	27	<0.1	0.6	0.6	95	0.12
N254712	Drill Core	8.59	263	96.1	219.3	4.6	9	<0.1	9.1	17.2	13	4.73	13	0.8	4.3	36	0.2	0.3	0.6	66	0.11
N254713	Drill Core	8.71	255	59.6	181.3	3.8	8	<0.1	13.1	23.9	16	5.12	7	0.8	4.6	47	<0.1	0.3	0.7	102	0.13
N254714	Drill Core	8.83	324	47.3	289.9	7.2	10	<0.1	25.8	53.8	17	10.47	15	0.7	3.3	35	<0.1	0.4	1.3	74	0.08
N254715	Rock Pulp	0.06	180	378.0	1893.4	27.6	59	13.5	15.6	10.6	731	3.63	14	1.3	2.3	422	0.5	35.2	2.4	87	2.81
N254716	Drill Core	9.13	315	59.9	624.1	13.2	18	<0.1	13.8	30.0	13	7.36	24	0.8	4.7	127	0.2	0.4	1.6	119	0.10
N254717	Drill Core	7.96	225	55.6	1719.8	24.6	28	0.1	9.5	23.3	13	5.39	60	1.3	4.1	150	0.1	0.9	2.5	135	0.09
N254718	Drill Core	7.94	117	76.4	450.8	7.0	20	0.2	3.3	6.9	13	2.25	17	0.8	4.1	47	0.2	0.2	0.4	61	0.06
N254719	Drill Core	3.57	60	69.0	205.4	3.8	14	<0.1	1.9	4.2	10	1.00	4	0.7	3.7	33	0.2	0.1	0.3	81	0.06
N254721	Drill Core	7.84	303	36.9	1813.3	11.5	27	<0.1	7.8	17.8	11	5.68	47	0.7	4.7	65	0.2	1.6	1.4	65	0.09
N254722	Drill Core	8.59	256	79.7	1506.2	15.8	14	<0.1	12.1	17.0	13	4.33	18	0.8	4.3	80	0.2	0.6	1.1	122	0.09
N254723	Drill Core	8.78	129	93.8	168.9	5.3	15	<0.1	4.5	7.1	12	2.28	5	0.9	2.8	33	0.2	0.2	0.5	87	0.06
N254492	Drill Core	3.12	70	27.8	68.1	16.6	10	<0.1	0.8	0.6	17	0.54	28	0.2	0.6	60	0.1	0.4	0.4	24	0.05
N254513	Drill Core	2.82	115	68.8	236.0	12.8	15	0.1	1.0	1.1	19	2.46	15	0.3	0.7	149	0.1	0.2	1.3	21	0.06
N254538	Drill Core	3.53	63	139.5	235.8	7.3	11	<0.1	0.7	0.7	9	0.18	1	0.2	0.3	5	0.1	0.1	0.3	6	0.02
N254560	Drill Core	3.61	76	120.2	87.3	9.2	12	<0.1	0.8	3.0	6	0.92	11	1.2	1.0	57	0.1	0.4	0.5	33	0.04
N254585	Drill Core	3.60	278	112.2	502.8	15.5	19	0.1	3.2	10.8	13	2.63	29	0.9	4.1	126	0.2	0.7	1.1	40	0.07



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## VAN17001497.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S		
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1	0.1
N254697	Rock Pulp	0.064	16.1	33	0.79	635	0.150	6.15	1.772	1.64	3.6	21.9	23	3.2	9.3	1.7	0.1	<1	6	11.1	0.6	
N254698	Drill Core	0.071	9.8	21	0.02	22	0.094	7.36	0.020	0.03	0.1	34.3	19	10.6	1.1	1.1	<0.1	<1	4	0.9	2.5	
N254699	Drill Core	0.086	9.2	19	0.02	22	0.132	7.32	0.020	0.04	<0.1	31.2	19	6.3	0.9	1.6	<0.1	<1	3	0.8	1.2	
N254700	Drill Core	0.083	13.0	25	0.02	24	0.124	7.76	0.020	0.03	0.1	42.7	26	7.0	1.1	1.4	<0.1	<1	3	0.8	2.6	
N254702	Drill Core	0.088	13.9	18	0.02	26	0.096	7.79	0.022	0.03	<0.1	40.9	28	6.9	1.6	1.1	<0.1	<1	3	0.5	6.6	
N254703	Drill Core	0.030	3.5	8	<0.01	14	0.065	1.98	0.008	0.02	0.1	33.0	7	4.8	0.9	1.0	<0.1	<1	1	0.2	3.5	
N254704	Drill Core	0.056	8.0	15	0.02	19	0.069	5.31	0.015	0.02	<0.1	25.0	16	4.3	1.0	0.9	<0.1	<1	2	0.9	4.3	
N254705	Drill Core	0.068	11.9	13	0.01	28	0.125	6.62	0.015	0.02	<0.1	28.0	22	5.9	1.1	1.3	<0.1	<1	3	1.1	4.8	
N254706	Drill Core	0.074	14.0	11	0.01	31	0.081	6.74	0.019	0.03	0.2	29.8	26	10.8	1.4	0.9	<0.1	<1	3	0.8	9.1	
N254707	Drill Core	0.063	11.7	9	0.01	25	0.096	7.84	0.021	0.03	<0.1	40.7	23	14.6	2.1	1.2	<0.1	<1	5	0.9	6.7	
N254708	Drill Core	0.074	12.5	12	0.01	23	0.109	8.32	0.022	0.03	<0.1	35.5	26	12.5	2.0	1.1	<0.1	<1	6	0.8	7.4	
N254709	Drill Core	0.068	10.0	7	<0.01	17	0.094	6.68	0.019	0.03	0.1	41.7	20	8.3	1.5	1.2	<0.1	<1	4	0.6	4.6	
N254710	Rock	0.003	0.9	1	1.85	6	0.003	0.09	0.006	<0.01	<0.1	1.3	<1	<0.1	0.3	0.2	<0.1	<1	<1	0.2	<0.1	
N254711	Drill Core	0.076	13.7	6	0.02	17	0.100	7.33	0.019	0.03	0.1	49.6	28	8.4	1.5	1.1	<0.1	<1	4	0.9	5.8	
N254712	Drill Core	0.079	13.8	9	0.01	21	0.106	6.36	0.017	0.02	0.1	58.1	27	5.0	1.6	1.4	<0.1	<1	3	0.9	5.0	
N254713	Drill Core	0.100	15.6	9	0.02	21	0.111	8.08	0.020	0.03	<0.1	64.1	31	6.4	1.6	1.3	<0.1	<1	5	1.0	5.1	
N254714	Drill Core	0.062	8.6	7	0.01	25	0.069	6.64	0.019	0.02	0.1	52.5	18	5.6	1.9	0.8	<0.1	<1	4	0.6	>10	
N254715	Rock Pulp	0.053	9.1	20	0.88	747	0.205	7.57	2.235	1.86	1.9	10.3	19	3.1	12.1	2.6	0.2	<1	9	8.1	0.3	
N254716	Drill Core	0.078	11.5	10	<0.01	24	0.083	7.69	0.014	0.02	0.1	44.9	22	8.6	2.0	1.2	<0.1	<1	4	1.6	7.9	
N254717	Drill Core	0.064	9.3	7	<0.01	33	0.126	7.67	0.015	0.02	0.3	40.7	19	16.9	3.9	2.3	0.2	<1	6	1.7	5.8	
N254718	Drill Core	0.048	11.3	9	<0.01	17	0.088	5.83	0.013	0.02	2.4	45.5	22	7.4	1.4	1.4	<0.1	<1	3	1.4	2.6	
N254719	Drill Core	0.048	10.9	11	<0.01	16	0.206	5.93	0.012	0.01	0.2	35.9	22	10.6	1.3	2.4	0.1	<1	3	1.4	1.1	
N254721	Drill Core	0.063	12.5	3	<0.01	48	0.067	7.39	0.014	0.03	0.2	37.8	25	14.6	2.9	1.3	<0.1	<1	4	1.0	6.3	
N254722	Drill Core	0.066	12.8	20	0.02	51	0.132	7.69	0.025	0.04	0.2	35.0	26	7.9	2.5	1.5	<0.1	<1	8	0.9	4.7	
N254723	Drill Core	0.048	10.2	16	0.01	14	0.119	5.72	0.012	0.02	0.1	54.2	19	6.0	1.6	1.3	<0.1	<1	5	0.9	2.6	
N254492	Drill Core	0.034	0.6	4	<0.01	27	0.065	3.74	0.013	0.02	0.1	11.3	1	4.4	0.4	0.9	<0.1	<1	<1	1.5	0.1	
N254513	Drill Core	0.063	0.6	4	<0.01	37	0.031	3.42	0.012	0.01	0.2	20.8	<1	2.8	0.7	0.6	<0.1	<1	<1	1.4	0.8	
N254538	Drill Core	0.005	<0.1	1	<0.01	4	0.040	4.40	0.011	<0.01	0.2	12.5	<1	4.8	0.3	0.8	<0.1	<1	<1	0.6	<0.1	
N254560	Drill Core	0.027	0.5	3	<0.01	19	0.091	10.77	0.020	<0.01	1.3	52.0	1	37.5	0.9	1.8	0.2	<1	2	2.1	0.8	
N254585	Drill Core	0.060	9.1	3	<0.01	37	0.157	6.12	0.017	0.01	0.8	37.2	15	23.7	1.9	4.1	0.3	<1	2	2.0	3.0	





**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: Hushamu

Report Date: August 15, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001497.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254697	Rock Pulp	36.5	0.7	0.15	0.362	4	2.9	<0.5
N254698	Drill Core	0.6	1.0	0.09	0.162	4	<0.5	<0.5
N254699	Drill Core	0.7	0.9	0.05	0.108	2	<0.5	<0.5
N254700	Drill Core	0.5	1.1	0.06	0.179	3	<0.5	<0.5
N254702	Drill Core	0.5	1.2	0.05	0.105	6	0.6	<0.5
N254703	Drill Core	0.5	1.0	<0.05	0.207	4	<0.5	<0.5
N254704	Drill Core	0.5	0.8	0.07	0.158	5	<0.5	<0.5
N254705	Drill Core	0.4	0.9	0.07	0.446	6	<0.5	<0.5
N254706	Drill Core	0.5	0.8	<0.05	0.216	7	0.6	<0.5
N254707	Drill Core	0.6	1.2	<0.05	0.096	4	0.6	<0.5
N254708	Drill Core	0.5	1.0	<0.05	0.146	6	<0.5	<0.5
N254709	Drill Core	0.5	1.2	0.07	0.318	4	<0.5	<0.5
N254710	Rock	0.1	<0.1	<0.05	0.005	<1	3.9	<0.5
N254711	Drill Core	0.7	1.3	<0.05	0.098	4	0.6	<0.5
N254712	Drill Core	0.5	1.4	<0.05	0.307	6	<0.5	<0.5
N254713	Drill Core	0.6	1.5	0.07	0.135	3	<0.5	<0.5
N254714	Drill Core	0.5	1.5	<0.05	0.123	4	0.8	<0.5
N254715	Rock Pulp	37.9	0.6	0.06	0.419	<1	1.4	<0.5
N254716	Drill Core	0.4	1.3	0.34	0.192	9	1.8	<0.5
N254717	Drill Core	0.5	1.2	0.25	0.265	8	1.5	<0.5
N254718	Drill Core	0.5	1.2	0.06	0.436	4	<0.5	<0.5
N254719	Drill Core	0.4	1.0	0.06	0.445	2	<0.5	<0.5
N254721	Drill Core	0.6	1.1	0.08	0.165	8	0.6	<0.5
N254722	Drill Core	0.7	1.0	<0.05	0.272	6	0.8	<0.5
N254723	Drill Core	0.6	1.5	<0.05	0.428	3	<0.5	<0.5
N254492	Drill Core	0.5	0.3	<0.05	0.014	<1	<0.5	<0.5
N254513	Drill Core	0.5	0.6	0.10	0.155	2	<0.5	<0.5
N254538	Drill Core	0.5	0.4	<0.05	0.880	<1	<0.5	<0.5
N254560	Drill Core	0.2	1.7	<0.05	0.268	2	<0.5	<0.5
N254585	Drill Core	0.5	1.1	<0.05	0.601	7	1.4	<0.5



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Project: Hushamu  
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# QUALITY CONTROL REPORT

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Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254616	Drill Core	8.30	292	129.1	781.3	23.7	42	0.2	11.6	32.1	21	7.99	176	1.3	4.9	77	0.5	2.7	2.2	76	0.08
REP N254616	QC			126.9	798.4	21.8	37	0.3	11.6	33.4	23	8.04	163	1.1	4.3	71	0.4	2.3	1.9	78	0.08
N254651	Rock Pulp	0.05	I.S.	338.0	3973.3	29.2	106	15.6	22.5	58.4	1471	4.74	2057	2.7	1.6	495	1.0	47.6	17.1	58	6.00
REP N254651	QC			337.9	4027.4	27.0	101	16.7	21.0	62.6	1496	4.85	2071	2.5	1.5	449	0.8	45.2	15.6	59	6.18
N254686	Drill Core	7.69	179	36.4	334.1	6.7	13	0.1	1.8	2.2	20	1.23	12	0.5	3.3	27	<0.1	0.6	0.5	24	0.05
REP N254686	QC		183																		
N254690	Drill Core	7.28	98	27.1	244.3	4.7	10	<0.1	0.7	0.6	17	0.31	8	0.6	0.7	28	<0.1	0.3	<0.1	17	0.03
REP N254690	QC			27.2	260.9	4.9	11	<0.1	0.8	0.5	19	0.34	12	0.6	0.7	30	<0.1	0.2	<0.1	17	0.03
N254714	Drill Core	8.83	324	47.3	289.9	7.2	10	<0.1	25.8	53.8	17	10.47	15	0.7	3.3	35	<0.1	0.4	1.3	74	0.08
REP N254714	QC		337																		
N254718	Drill Core	7.94	117	76.4	450.8	7.0	20	0.2	3.3	6.9	13	2.25	17	0.8	4.1	47	0.2	0.2	0.4	61	0.06
REP N254718	QC			75.4	435.0	7.0	19	0.3	3.6	7.0	13	2.31	17	0.8	4.1	48	0.2	0.2	0.4	62	0.06
Core Reject Duplicates																					
N254614	Drill Core	8.08	197	157.7	353.9	23.4	38	0.1	7.8	24.4	22	6.17	42	1.2	4.8	92	0.5	0.9	1.4	57	0.08
DUP N254614	QC		200	170.3	330.8	21.0	39	0.2	8.5	24.2	28	6.11	38	1.1	4.1	86	0.6	0.7	1.3	57	0.07
N254649	Drill Core	7.53	198	58.3	134.3	9.8	11	<0.1	4.9	26.4	13	3.79	24	0.6	3.2	81	0.3	0.2	0.9	39	0.05
DUP N254649	QC		217	60.4	141.1	10.5	12	<0.1	5.3	27.6	12	3.88	24	0.6	2.8	78	0.2	0.3	0.9	38	0.05
N254685	Drill Core	8.00	77	36.8	82.2	4.3	13	<0.1	1.1	1.5	19	0.54	3	0.5	4.5	18	<0.1	0.2	0.1	40	0.06
DUP N254685	QC		75	37.8	83.3	4.5	14	<0.1	1.0	1.3	18	0.54	3	0.5	4.8	18	<0.1	0.2	0.1	41	0.06
N254721	Drill Core	7.84	303	36.9	1813.3	11.5	27	<0.1	7.8	17.8	11	5.68	47	0.7	4.7	65	0.2	1.6	1.4	65	0.09
DUP N254721	QC		270	37.6	1961.7	11.7	28	<0.1	7.8	18.3	11	5.61	49	0.7	4.9	62	0.3	1.6	1.3	67	0.10
Reference Materials																					
STD OREAS25A-4A	Standard			2.3	32.2	24.8	46	<0.1	44.1	7.9	519	6.62	9	2.7	15.8	47	<0.1	0.5	0.3	157	0.32
STD OREAS25A-4A	Standard			2.4	38.7	30.0	55	0.1	46.9	7.7	515	6.90	11	3.1	19.0	59	<0.1	0.7	0.4	161	0.32
STD OREAS25A-4A	Standard			2.4	35.7	27.3	45	<0.1	49.0	7.9	501	6.57	11	3.2	16.1	50	<0.1	0.7	0.4	163	0.29
STD OREAS25A-4A	Standard			2.4	37.1	27.1	43	<0.1	47.7	8.5	527	6.84	11	3.1	17.7	50	<0.1	0.6	0.4	168	0.34
STD OREAS25A-4A	Standard			2.4	33.0	24.5	42	<0.1	45.4	7.9	483	6.72	11	3.0	15.8	49	<0.1	0.6	0.5	161	0.29
STD OREAS45E	Standard			2.0	786.2	19.7	53	0.3	456.5	60.1	546	24.05	16	2.1	12.4	17	<0.1	0.9	0.3	329	0.07



# QUALITY CONTROL REPORT

VAN17001497.1

Method		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Pulp Duplicates																					
N254616	Drill Core	0.051	14.0	6	0.02	37	0.093	6.08	0.017	0.04	0.4	88.4	30	22.1	3.6	1.6	<0.1	<1	5	1.3	8.9
REP N254616	QC	0.059	15.7	6	0.03	39	0.095	6.24	0.019	0.03	0.3	80.5	33	22.1	3.3	1.4	<0.1	<1	4	1.3	9.0
N254651	Rock Pulp	0.054	15.7	29	0.77	335	0.171	5.82	1.782	1.85	4.2	22.1	24	3.5	9.1	1.7	0.1	<1	7	13.2	0.6
REP N254651	QC	0.056	17.0	34	0.79	365	0.159	5.93	1.806	1.74	4.4	21.3	25	3.4	8.4	1.7	<0.1	<1	6	11.5	0.6
N254686	Drill Core	0.034	6.9	14	<0.01	18	0.053	4.46	0.015	0.02	0.1	33.8	14	12.3	1.0	1.3	<0.1	<1	<1	0.7	1.3
REP N254686	QC																				
N254690	Drill Core	0.026	0.5	5	<0.01	21	0.111	2.31	0.010	0.02	<0.1	40.4	1	7.1	0.7	2.0	0.1	<1	<1	0.4	0.2
REP N254690	QC	0.025	0.6	5	<0.01	22	0.104	2.49	0.011	0.02	<0.1	41.1	1	7.0	0.8	1.9	0.1	<1	<1	0.4	0.2
N254714	Drill Core	0.062	8.6	7	0.01	25	0.069	6.64	0.019	0.02	0.1	52.5	18	5.6	1.9	0.8	<0.1	<1	4	0.6	>10
REP N254714	QC																				
N254718	Drill Core	0.048	11.3	9	<0.01	17	0.088	5.83	0.013	0.02	2.4	45.5	22	7.4	1.4	1.4	<0.1	<1	3	1.4	2.6
REP N254718	QC	0.047	11.4	10	0.01	17	0.096	5.78	0.013	0.02	2.0	46.5	22	7.8	1.5	1.5	<0.1	<1	3	1.5	2.6
Core Reject Duplicates																					
N254614	Drill Core	0.050	10.3	5	0.02	42	0.084	6.24	0.015	0.04	0.5	86.7	23	7.9	3.5	1.4	<0.1	<1	4	1.4	6.9
DUP N254614	QC	0.048	11.0	6	0.03	46	0.081	6.13	0.015	0.03	0.4	81.7	25	7.4	3.2	1.2	<0.1	<1	4	0.9	6.8
N254649	Drill Core	0.050	10.2	5	0.01	21	0.116	7.23	0.021	0.02	0.2	36.3	22	16.6	2.1	1.6	0.1	<1	1	1.4	4.2
DUP N254649	QC	0.049	9.4	4	0.01	20	0.103	6.99	0.021	0.02	0.2	35.5	21	15.3	1.8	1.4	<0.1	<1	1	1.3	4.3
N254685	Drill Core	0.052	9.4	9	<0.01	19	0.092	6.00	0.019	0.03	<0.1	34.2	20	10.4	0.9	1.6	0.1	<1	1	0.8	0.5
DUP N254685	QC	0.054	9.5	9	0.01	19	0.093	5.94	0.020	0.03	<0.1	36.5	21	11.1	0.9	1.8	0.1	<1	1	1.0	0.5
N254721	Drill Core	0.063	12.5	3	<0.01	48	0.067	7.39	0.014	0.03	0.2	37.8	25	14.6	2.9	1.3	<0.1	<1	4	1.0	6.3
DUP N254721	QC	0.064	12.8	3	<0.01	48	0.065	7.56	0.015	0.03	0.2	36.6	25	15.8	2.8	1.3	<0.1	<1	4	1.3	6.4
Reference Materials																					
STD OREAS25A-4A	Standard	0.054	24.3	114	0.36	162	0.948	9.32	0.134	0.54	1.8	158.5	51	4.4	10.6	19.7	1.4	<1	14	37.8	<0.1
STD OREAS25A-4A	Standard	0.048	23.7	117	0.35	159	1.001	9.08	0.124	0.53	2.3	165.8	53	4.9	11.7	20.2	1.6	1	13	37.2	<0.1
STD OREAS25A-4A	Standard	0.049	21.5	127	0.32	154	0.902	9.48	0.130	0.51	1.9	161.1	47	4.4	10.7	20.9	1.4	1	13	38.4	<0.1
STD OREAS25A-4A	Standard	0.054	23.8	114	0.34	162	0.930	9.61	0.145	0.52	1.9	152.5	51	4.2	10.9	19.8	1.5	2	14	41.6	<0.1
STD OREAS25A-4A	Standard	0.045	22.6	123	0.32	150	0.915	9.15	0.128	0.48	2.1	152.4	48	4.1	10.2	19.8	1.4	<1	12	37.6	<0.1
STD OREAS45E	Standard	0.034	10.6	952	0.15	229	0.549	7.08	0.048	0.38	1.0	93.5	24	1.3	7.8	5.6	0.5	<1	86	6.7	<0.1



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

**Project:** Hushamu  
**Report Date:** August 15, 2017

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**Part:** 3 of 3

# QUALITY CONTROL REPORT

VAN17001497.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254616	Drill Core	1.2	2.5	0.15	0.773	4	2.0	<0.5
REP N254616	QC	1.2	2.3	0.07	0.610	6	1.5	<0.5
N254651	Rock Pulp	33.2	0.6	0.13	0.373	3	3.3	<0.5
REP N254651	QC	33.7	0.6	0.20	0.369	4	3.6	<0.5
N254686	Drill Core	0.8	1.0	0.06	0.185	<1	<0.5	<0.5
REP N254686	QC							
N254690	Drill Core	0.6	1.1	<0.05	0.135	<1	<0.5	<0.5
REP N254690	QC	0.6	1.1	<0.05	0.147	<1	<0.5	<0.5
N254714	Drill Core	0.5	1.5	<0.05	0.123	4	0.8	<0.5
REP N254714	QC							
N254718	Drill Core	0.5	1.2	0.06	0.436	4	<0.5	<0.5
REP N254718	QC	0.5	1.1	0.05	0.448	5	<0.5	<0.5
Core Reject Duplicates								
N254614	Drill Core	1.2	2.5	<0.05	1.043	5	0.6	<0.5
DUP N254614	QC	1.0	2.0	0.06	1.000	6	0.8	<0.5
N254649	Drill Core	0.5	1.0	<0.05	0.270	19	<0.5	<0.5
DUP N254649	QC	0.5	1.0	0.06	0.282	22	<0.5	<0.5
N254685	Drill Core	0.8	1.1	0.05	0.185	<1	<0.5	<0.5
DUP N254685	QC	0.8	0.9	0.07	0.197	<1	<0.5	<0.5
N254721	Drill Core	0.6	1.1	0.08	0.165	8	0.6	<0.5
DUP N254721	QC	0.6	1.1	0.11	0.159	8	0.5	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	61.1	4.2	0.11	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	69.4	4.5	0.13	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	63.7	4.1	0.11	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	63.3	4.2	0.07	<0.005	3	<0.5	<0.5
STD OREAS25A-4A	Standard	58.9	4.2	0.08	<0.005	1	<0.5	<0.5
STD OREAS45E	Standard	22.7	3.1	0.08	<0.005	2	<0.5	<0.5



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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 15, 2017

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# QUALITY CONTROL REPORT

VAN17001497.1

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS45E	Standard			2.7	835.1	22.1	54	0.3	478.5	59.4	588	25.67	18	2.9	15.3	20	<0.1	1.3	0.4	344	0.08
STD OREAS45E	Standard			2.8	809.2	21.0	47	0.3	483.2	63.8	600	25.73	18	3.0	15.0	17	<0.1	1.2	0.4	332	0.07
STD OREAS45E	Standard			2.2	819.3	20.5	49	0.3	486.2	64.6	619	25.89	18	2.8	14.5	17	<0.1	1.2	0.3	335	0.08
STD OREAS45E	Standard			2.6	816.3	19.3	47	0.3	481.1	64.8	600	27.45	16	2.7	14.5	19	<0.1	1.2	0.4	328	0.07
STD OXC145	Standard		209																		
STD OXC145	Standard		215																		
STD OXC145	Standard		205																		
STD OXC145	Standard		217																		
STD OXH122	Standard		1233																		
STD OXH122	Standard		1244																		
STD OXH122	Standard		1193																		
STD OXH122	Standard		1190																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXH122 Expected			1247																		
STD OXC145 Expected			212																		
BLK	Blank			0.1	0.4	0.3	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.1	0.3	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	4	<0.1	<0.1	<0.1	<1	0.03
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		



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**Client: Northisle Copper and Gold Inc.**  
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Project: Hushamu  
Report Date: August 15, 2017

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# QUALITY CONTROL REPORT

VAN17001497.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
STD OREAS45E	Standard	0.031	12.4	1088	0.17	268	0.576	7.34	0.059	0.37	1.2	100.7	27	1.6	9.2	7.4	0.6	<1	98	7.7	<0.1
STD OREAS45E	Standard	0.033	12.3	1143	0.15	289	0.546	7.24	0.052	0.36	1.1	104.6	26	1.6	8.8	6.6	0.6	<1	95	7.7	<0.1
STD OREAS45E	Standard	0.035	12.5	1144	0.16	267	0.558	7.40	0.055	0.37	0.9	100.2	26	1.4	8.9	6.4	0.6	<1	96	7.7	<0.1
STD OREAS45E	Standard	0.034	12.7	1064	0.16	271	0.543	7.21	0.057	0.36	1.1	107.3	26	1.6	8.9	6.7	0.5	<1	97	6.8	<0.1
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				
STD OREAS25A-4A Expected		0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046
STD OXH122 Expected																					
STD OXC145 Expected																					
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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Project: Hushamu  
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# QUALITY CONTROL REPORT

VAN17001497.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
STD OREAS45E	Standard	23.4	3.1	0.16	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	23.1	3.1	0.12	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	22.8	3.4	0.15	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	23.1	3.2	0.13	<0.005	2	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OXH122	Standard							
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09
STD OXH122 Expected								
STD OXC145 Expected								
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							



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# QUALITY CONTROL REPORT

VAN17001497.1

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
Prep Wash																					
ROCK-VAN	Prep Blank		<2	0.7	8.8	3.5	41	<0.1	1.1	4.2	690	2.07	2	1.2	2.9	212	<0.1	0.1	<0.1	33	1.52
ROCK-VAN	Prep Blank		<2	0.6	5.0	3.3	32	<0.1	1.1	4.6	773	2.04	2	1.1	2.5	174	<0.1	<0.1	<0.1	33	1.51





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Report Date: August 15, 2017

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Part: 2 of 3

## QUALITY CONTROL REPORT

VAN17001497.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
Prep Wash																					
ROCK-VAN	Prep Blank	0.042	13.6	2	0.50	791	0.209	7.30	3.680	1.94	0.4	55.0	25	1.0	17.0	5.8	0.4	<1	7	3.4	<0.1
ROCK-VAN	Prep Blank	0.048	13.2	2	0.49	812	0.209	7.15	3.623	1.61	0.3	47.4	26	0.9	14.4	5.1	0.3	<1	6	2.9	<0.1



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## QUALITY CONTROL REPORT

VAN17001497.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Prep Wash								
ROCK-VAN	Prep Blank	39.5	2.1	0.06	<0.005	<1	<0.5	<0.5
ROCK-VAN	Prep Blank	34.3	1.6	<0.05	<0.005	<1	<0.5	<0.5



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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 17, 2017  
Report Date: August 21, 2017  
Page: 1 of 5

# CERTIFICATE OF ANALYSIS

VAN17001497.2

## CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID:  
P.O. Number  
Number of Samples: 120

## SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	114	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	6	Sort, label and box pulps			VAN
FA350-Au	119	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	120	Environmental disposal charge-Fire assay lead waste			VAN
MA200	120	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN
MA370	1	4-Acid Digestion ICP-ES Finish	0.5	Completed	VAN

## ADDITIONAL COMMENTS

Version 2 : MA370-Cu included.



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Hushamu

Report Date: August 21, 2017

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Part: 1 of 3

# CERTIFICATE OF ANALYSIS

VAN17001497.2

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254603	Drill Core	6.91	199	93.5	226.2	35.3	48	0.1	4.3	6.4	22	3.77	117	1.1	3.2	168	0.1	0.7	1.4	59	0.09
N254604	Rock Pulp	0.05	641	337.0	3957.9	31.0	117	15.2	25.2	72.6	1510	4.79	2259	2.1	1.4	451	1.1	40.8	14.6	59	6.13
N254605	Drill Core	6.84	137	49.2	85.9	20.0	35	0.1	1.4	1.5	26	2.84	64	1.0	2.5	69	0.2	0.4	0.8	32	0.04
N254606	Drill Core	7.40	129	58.4	308.0	34.9	80	0.1	7.5	13.3	19	3.72	40	1.2	3.2	93	0.2	0.3	1.1	37	0.07
N254607	Drill Core	7.36	99	60.5	312.0	31.8	41	<0.1	7.2	12.9	19	3.67	39	1.2	4.3	80	0.2	0.6	0.9	71	0.10
N254608	Drill Core	8.13	197	81.2	335.1	16.2	27	<0.1	13.9	28.9	24	6.73	30	1.1	3.6	59	<0.1	1.1	1.7	87	0.08
N254609	Drill Core	7.55	179	51.1	594.4	30.3	39	0.1	15.0	26.9	22	5.24	87	1.3	5.5	68	0.2	2.5	2.4	129	0.10
N254610	Drill Core	7.94	199	54.6	461.5	26.8	48	0.1	10.1	21.6	19	6.12	78	1.1	4.8	37	0.3	1.3	2.2	77	0.08
N254611	Drill Core	3.65	191	64.6	506.1	36.9	61	0.3	10.1	25.9	22	7.43	86	1.1	3.7	82	0.5	1.0	2.3	60	0.08
N254613	Drill Core	8.00	129	97.6	513.2	23.1	30	0.2	10.3	21.8	17	7.63	70	1.1	3.9	68	0.4	0.6	1.3	47	0.05
N254614	Drill Core	8.08	197	157.7	353.9	23.4	38	0.1	7.8	24.4	22	6.17	42	1.2	4.8	92	0.5	0.9	1.4	57	0.08
N254615	Drill Core	7.67	233	88.6	732.3	24.8	31	0.2	10.5	27.8	15	6.33	101	1.2	4.4	101	0.4	2.0	1.6	95	0.08
N254616	Drill Core	8.30	292	129.1	781.3	23.7	42	0.2	11.6	32.1	21	7.99	176	1.3	4.9	77	0.5	2.7	2.2	76	0.08
N254617	Drill Core	8.12	326	178.3	1571.0	31.7	51	0.2	14.6	39.7	17	9.35	81	1.2	5.6	63	0.8	1.2	3.1	102	0.08
N254618	Drill Core	7.16	233	150.0	458.5	18.6	56	0.2	8.5	25.7	16	5.65	79	1.3	5.6	77	0.9	0.7	2.0	55	0.06
N254619	Rock	2.08	<2	0.5	5.9	1.0	<1	<0.1	<0.1	0.3	29	0.05	2	1.3	<0.1	4262	<0.1	<0.1	<0.1	<1	37.21
N254620	Drill Core	7.11	198	144.0	334.5	7.9	25	<0.1	7.0	15.0	16	4.98	22	1.1	3.8	45	0.4	0.2	1.3	25	0.05
N254621	Drill Core	7.33	181	159.1	327.2	16.9	40	0.1	9.6	22.6	14	4.80	43	1.2	5.3	102	0.4	0.3	1.3	54	0.07
N254622	Drill Core	7.16	301	125.2	471.5	20.7	39	0.1	6.9	23.2	15	6.33	36	1.2	3.8	122	0.7	0.3	2.7	22	0.04
N254623	Drill Core	7.77	277	136.9	682.8	14.9	36	<0.1	9.0	28.4	18	6.83	91	1.0	3.9	65	0.3	1.5	1.9	71	0.06
N254624	Drill Core	7.62	192	116.3	808.5	15.3	32	0.2	7.3	21.7	17	4.87	110	1.5	6.0	61	0.4	2.5	1.9	108	0.09
N254625	Drill Core	7.29	202	98.6	373.2	20.5	33	0.1	8.9	26.2	14	6.31	34	1.1	4.1	70	0.5	0.5	2.0	41	0.05
N254626	Rock Pulp	0.06	183	374.6	1866.0	26.2	59	12.6	12.1	8.9	741	3.55	13	1.1	2.5	410	0.5	31.6	2.1	83	2.69
N254627	Drill Core	7.78	221	133.0	373.6	16.3	28	0.2	7.6	29.2	18	5.07	32	1.4	5.4	56	0.3	0.8	1.8	70	0.10
N254628	Drill Core	7.48	289	182.4	598.7	27.4	37	0.2	10.0	24.0	17	5.17	60	1.6	5.9	75	0.6	1.2	1.8	71	0.07
N254629	Drill Core	7.25	232	178.3	456.5	38.6	30	0.2	4.1	10.9	13	5.32	52	1.4	4.4	115	0.5	0.5	2.1	64	0.08
N254630	Drill Core	6.90	178	174.4	272.4	24.7	25	<0.1	2.7	8.1	15	2.86	32	0.7	2.1	112	0.4	0.3	1.2	31	0.07
N254631	Drill Core	8.23	320	128.9	355.0	27.6	26	0.1	8.4	31.8	13	7.50	38	0.8	3.7	92	0.5	0.5	2.5	63	0.11
N254632	Drill Core	7.81	307	178.5	672.5	13.8	50	0.1	9.9	30.4	12	9.18	52	0.6	2.5	87	0.7	1.1	2.5	66	0.08
N254633	Drill Core	7.76	226	144.4	429.3	40.0	56	<0.1	4.5	15.4	9	4.48	37	0.6	2.7	204	0.7	0.5	1.5	37	0.08



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Report Date: August 21, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001497.2

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
N254603	Drill Core	0.067	8.7	7	0.02	60	0.115	4.49	0.017	0.03	0.4	100.4	21	8.2	3.7	1.6	<0.1	<1	3	2.2	2.3	
N254604	Rock Pulp	0.066	15.6	31	0.78	603	0.151	5.95	1.799	1.87	4.9	23.0	22	3.3	9.1	1.8	0.1	<1	6	13.3	0.6	
N254605	Drill Core	0.039	5.8	4	0.02	30	0.119	2.41	0.016	0.03	0.2	86.1	13	6.1	2.7	1.1	<0.1	<1	2	3.1	0.5	
N254606	Drill Core	0.060	7.7	5	0.02	47	0.105	3.77	0.014	0.04	0.3	103.5	18	8.6	3.9	1.5	<0.1	<1	3	1.7	4.0	
N254607	Drill Core	0.064	9.9	4	0.03	50	0.094	6.58	0.018	0.03	0.2	95.6	22	9.6	3.7	1.5	0.1	<1	5	2.2	4.3	
N254608	Drill Core	0.062	9.8	7	0.03	38	0.099	6.17	0.020	0.03	0.2	90.7	22	21.5	3.5	1.6	0.1	<1	5	1.1	7.2	
N254609	Drill Core	0.066	8.1	6	0.03	33	0.138	6.77	0.017	0.04	0.3	111.3	19	53.2	4.9	2.2	0.2	<1	6	1.1	6.0	
N254610	Drill Core	0.056	8.9	6	0.03	32	0.130	6.27	0.015	0.03	0.3	87.7	20	22.0	3.7	1.9	0.1	<1	4	1.3	7.0	
N254611	Drill Core	0.063	10.6	7	0.02	45	0.113	5.82	0.016	0.02	0.2	80.5	23	7.6	3.7	1.5	0.1	<1	4	1.0	8.4	
N254613	Drill Core	0.039	8.7	5	0.02	35	0.086	4.54	0.012	0.03	0.4	87.6	20	6.3	3.6	1.3	<0.1	<1	3	1.0	8.8	
N254614	Drill Core	0.050	10.3	5	0.02	42	0.084	6.24	0.015	0.04	0.5	86.7	23	7.9	3.5	1.4	<0.1	<1	4	1.4	6.9	
N254615	Drill Core	0.065	14.3	6	0.02	44	0.107	6.98	0.018	0.03	0.3	90.3	31	32.0	3.6	1.4	<0.1	<1	4	1.3	7.2	
N254616	Drill Core	0.051	14.0	6	0.02	37	0.093	6.08	0.017	0.04	0.4	88.4	30	22.1	3.6	1.6	<0.1	<1	5	1.3	8.9	
N254617	Drill Core	0.049	17.5	6	0.02	38	0.086	6.51	0.019	0.04	0.3	94.0	41	33.1	4.4	1.3	<0.1	<1	5	1.0	>10	
N254618	Drill Core	0.044	21.5	5	0.02	43	0.073	4.86	0.010	0.03	0.3	90.1	42	7.5	3.5	1.2	<0.1	<1	4	1.2	6.5	
N254619	Rock	0.005	0.3	1	1.74	8	0.002	0.04	0.005	<0.01	<0.1	0.7	<1	0.3	0.2	<0.1	<0.1	<1	<1	0.1	<0.1	
N254620	Drill Core	0.023	15.8	4	0.02	25	0.079	2.58	0.008	0.02	0.3	85.4	30	6.5	2.8	1.2	<0.1	<1	2	1.4	5.7	
N254621	Drill Core	0.042	22.3	5	0.02	43	0.072	4.64	0.012	0.04	0.3	98.1	48	7.8	3.4	1.1	<0.1	<1	3	1.4	5.4	
N254622	Drill Core	0.023	10.5	3	0.01	47	0.052	2.98	0.009	0.03	0.3	81.4	22	6.1	2.9	1.1	<0.1	<1	2	1.5	7.2	
N254623	Drill Core	0.050	15.3	6	0.02	34	0.066	5.20	0.014	0.04	0.2	68.6	33	39.0	2.8	1.0	<0.1	<1	3	1.2	7.0	
N254624	Drill Core	0.062	17.5	5	0.02	38	0.085	6.87	0.014	0.04	0.2	115.9	40	60.0	4.0	1.3	<0.1	<1	5	0.9	5.5	
N254625	Drill Core	0.041	15.9	4	0.02	44	0.083	4.34	0.009	0.03	0.2	63.6	32	6.3	2.6	1.2	<0.1	<1	3	1.1	7.2	
N254626	Rock Pulp	0.054	11.2	18	0.86	752	0.209	7.16	2.294	1.87	1.7	13.4	24	2.9	11.2	2.6	0.1	<1	9	8.6	0.3	
N254627	Drill Core	0.055	18.5	5	0.02	32	0.084	6.48	0.012	0.04	0.2	117.1	36	13.6	3.5	1.3	<0.1	<1	4	0.7	5.7	
N254628	Drill Core	0.048	17.8	5	0.02	35	0.119	6.31	0.013	0.03	0.2	124.4	36	18.7	4.2	1.8	0.1	<1	4	1.1	5.8	
N254629	Drill Core	0.054	13.2	7	0.02	54	0.079	5.19	0.014	0.03	0.4	88.2	27	8.5	2.6	1.4	<0.1	<1	3	1.7	3.6	
N254630	Drill Core	0.052	8.6	4	0.02	39	0.167	1.79	0.008	0.03	0.2	42.0	19	10.6	1.8	1.5	<0.1	<1	2	0.4	2.3	
N254631	Drill Core	0.062	15.7	5	0.02	44	0.103	6.29	0.016	0.03	0.1	40.3	31	12.2	2.8	1.2	<0.1	<1	3	1.5	8.5	
N254632	Drill Core	0.057	9.7	5	0.02	34	0.094	6.50	0.018	0.03	0.2	31.9	21	83.4	2.4	0.9	<0.1	<1	2	1.1	>10	
N254633	Drill Core	0.062	11.8	4	0.01	90	0.077	6.46	0.017	0.03	0.2	27.0	23	7.9	1.8	1.0	<0.1	<1	2	2.0	5.2	



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Project: Hushamu

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# CERTIFICATE OF ANALYSIS

**VAN17001497.2**

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
		Rb	Hf	In	Re	Se	Te	Tl	Cu
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
N254603	Drill Core	1.1	3.0	0.14	0.334	6	0.7	<0.5	
N254604	Rock Pulp	38.6	0.8	0.22	0.429	3	2.6	<0.5	
N254605	Drill Core	0.8	2.4	0.12	0.103	3	<0.5	<0.5	
N254606	Drill Core	1.2	3.0	0.08	0.671	4	<0.5	<0.5	
N254607	Drill Core	0.8	2.6	0.11	0.500	3	0.6	<0.5	
N254608	Drill Core	0.8	2.5	0.08	0.655	7	0.5	<0.5	
N254609	Drill Core	0.8	2.8	0.19	0.531	6	0.8	<0.5	
N254610	Drill Core	0.8	2.5	0.13	0.331	6	0.8	<0.5	
N254611	Drill Core	0.7	2.3	0.20	0.398	8	1.2	<0.5	
N254613	Drill Core	1.1	2.7	0.08	0.629	8	0.8	<0.5	
N254614	Drill Core	1.2	2.5	<0.05	1.043	5	0.6	<0.5	
N254615	Drill Core	1.1	2.8	0.16	0.554	4	1.3	<0.5	
N254616	Drill Core	1.2	2.5	0.15	0.773	4	2.0	<0.5	
N254617	Drill Core	1.1	2.6	0.23	1.023	7	1.3	<0.5	
N254618	Drill Core	0.9	2.4	0.10	0.929	5	0.7	<0.5	
N254619	Rock	0.1	<0.1	<0.05	0.011	<1	4.3	<0.5	
N254620	Drill Core	0.8	2.2	0.06	0.827	9	<0.5	<0.5	
N254621	Drill Core	1.0	2.8	<0.05	1.612	5	<0.5	<0.5	
N254622	Drill Core	1.1	2.2	0.11	0.836	8	0.7	<0.5	
N254623	Drill Core	1.0	1.7	0.10	0.745	7	0.8	<0.5	
N254624	Drill Core	1.1	3.3	0.08	0.813	3	1.0	<0.5	
N254625	Drill Core	0.7	1.8	0.17	0.628	4	1.0	<0.5	
N254626	Rock Pulp	36.2	0.5	0.07	0.373	<1	1.1	<0.5	
N254627	Drill Core	1.0	2.9	0.08	0.691	2	0.7	<0.5	
N254628	Drill Core	0.9	3.5	0.14	0.799	4	0.9	<0.5	
N254629	Drill Core	0.9	2.2	0.59	0.781	7	0.8	<0.5	
N254630	Drill Core	0.7	1.2	0.11	0.413	6	<0.5	<0.5	
N254631	Drill Core	0.7	1.0	0.11	0.880	7	0.5	<0.5	
N254632	Drill Core	1.0	1.0	0.13	1.199	9	0.7	<0.5	
N254633	Drill Core	0.7	0.7	0.20	1.231	7	0.8	1.3	



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**Project:** Hushamu  
**Report Date:** August 21, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.2

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254634	Rock	1.84	3	3.1	8.5	0.5	<1	<0.1	<0.1	0.3	24	0.09	<1	1.5	<0.1	4401	0.1	<0.1	<0.1	1	37.29
N254635	Drill Core	8.21	360	108.9	1433.0	31.7	19	0.2	10.4	38.1	8	7.20	68	0.5	3.0	147	0.5	1.2	2.3	104	0.13
N254636	Drill Core	6.23	274	47.0	541.5	24.1	15	0.2	6.1	26.4	11	3.78	94	0.7	3.3	119	0.2	0.9	0.9	68	0.09
N254637	Drill Core	5.87	263	51.6	931.2	16.1	13	0.1	7.4	29.6	15	4.76	135	0.7	3.5	165	0.4	1.3	1.8	98	0.07
N254638	Drill Core	7.52	277	45.8	666.4	20.5	16	0.1	5.1	20.4	14	4.30	139	0.8	3.8	246	0.3	1.2	1.2	89	0.10
N254639	Drill Core	7.26	126	101.2	99.0	21.2	12	<0.1	1.5	5.2	10	1.60	44	0.8	4.2	114	0.2	0.6	0.4	41	0.09
N254640	Drill Core	7.87	189	89.6	103.2	9.0	12	<0.1	3.1	16.1	17	2.36	28	0.7	3.3	59	0.4	0.3	0.4	39	0.08
N254641	Drill Core	7.24	232	67.7	135.4	14.5	14	<0.1	2.1	7.6	9	1.78	33	0.8	3.6	60	0.2	0.3	0.8	48	0.09
N254642	Drill Core	3.07	175	95.6	266.2	22.2	11	<0.1	1.4	6.4	14	1.26	44	0.7	2.9	101	0.2	0.6	0.5	35	0.08
N254644	Drill Core	7.86	132	104.8	85.9	15.2	11	<0.1	0.5	0.9	8	0.28	24	0.6	1.3	64	0.2	0.6	0.3	31	0.07
N254645	Drill Core	7.39	234	73.7	155.8	23.1	12	<0.1	1.7	6.3	10	1.64	25	0.6	2.5	160	0.2	0.5	0.9	27	0.09
N254646	Drill Core	7.44	130	75.4	121.8	13.7	10	<0.1	2.3	10.3	10	1.84	13	0.5	2.2	60	0.2	0.3	0.7	29	0.06
N254647	Drill Core	7.63	133	96.9	96.6	12.0	16	<0.1	1.7	6.0	13	1.21	15	0.7	2.7	67	0.2	0.3	0.5	23	0.06
N254648	Drill Core	7.73	217	68.8	130.7	10.8	13	<0.1	6.7	34.2	13	4.90	43	0.7	3.7	67	0.3	0.6	1.2	42	0.09
N254649	Drill Core	7.53	198	58.3	134.3	9.8	11	<0.1	4.9	26.4	13	3.79	24	0.6	3.2	81	0.3	0.2	0.9	39	0.05
N254650	Drill Core	7.60	133	67.8	90.5	10.3	14	<0.1	2.8	11.9	15	2.25	10	0.5	1.5	104	0.2	0.2	0.7	27	0.03
N254651	Rock Pulp	0.05	I.S.	338.0	3973.3	29.2	106	15.6	22.5	58.4	1471	4.74	2057	2.7	1.6	495	1.0	47.6	17.1	58	6.00
N254652	Drill Core	6.84	148	124.2	246.7	17.8	16	0.1	2.5	7.9	16	3.04	33	0.4	1.5	120	0.4	0.4	0.8	39	0.05
N254653	Drill Core	7.01	51	32.8	43.3	14.5	16	<0.1	1.0	1.0	21	0.35	5	0.4	1.2	44	0.1	0.2	0.1	19	0.02
N254654	Drill Core	7.06	60	36.7	61.6	11.1	14	<0.1	0.9	0.8	16	0.45	11	0.3	0.9	26	0.2	0.3	0.2	13	0.02
N254655	Drill Core	7.02	74	69.8	83.8	14.4	21	<0.1	1.0	1.4	18	0.89	9	0.5	1.3	35	0.4	0.2	0.3	21	0.03
N254656	Drill Core	7.73	117	70.2	208.0	25.5	22	<0.1	1.5	1.7	18	2.12	24	0.5	2.2	47	0.3	0.7	0.4	50	0.03
N254657	Drill Core	6.13	101	85.9	76.9	13.8	14	<0.1	1.0	1.6	14	1.05	9	0.5	2.0	36	0.1	0.2	0.4	24	0.02
N254658	Drill Core	3.49	132	57.2	342.8	8.7	8	<0.1	4.3	14.8	8	3.27	45	1.8	5.3	28	0.1	0.9	1.2	46	0.06
N254660	Drill Core	8.06	116	42.6	95.3	9.0	12	<0.1	2.6	9.8	7	2.12	20	1.4	3.5	42	<0.1	0.3	0.4	34	0.05
N254661	Drill Core	7.39	79	93.3	60.3	24.8	18	<0.1	0.7	0.7	11	0.51	25	0.8	2.9	45	0.3	0.2	0.2	35	0.04
N254662	Drill Core	8.18	121	50.5	69.0	11.6	15	<0.1	0.8	2.1	15	0.80	7	0.7	2.1	57	<0.1	0.2	0.3	23	0.03
N254663	Drill Core	7.60	173	30.5	142.3	10.3	10	<0.1	1.7	6.2	12	1.19	7	0.5	2.8	39	0.1	0.3	0.4	55	0.03
N254664	Drill Core	7.48	226	35.2	773.5	11.7	15	<0.1	1.5	7.9	12	1.63	52	0.3	1.7	57	0.2	0.7	0.3	35	0.03
N254665	Drill Core	7.33	94	33.6	137.7	5.9	14	<0.1	0.6	0.4	12	0.20	24	0.3	1.1	29	0.2	0.3	<0.1	26	0.02



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Project: Hushamu

Report Date: August 21, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.2

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254634	Rock	0.004	0.7	1	1.94	6	0.004	0.12	0.004	<0.01	<0.1	0.7	<1	1.1	0.2	0.2	<0.1	<1	<1	0.2	<0.1
N254635	Drill Core	0.063	12.9	5	0.02	58	0.092	7.61	0.016	0.03	0.2	22.5	25	24.1	2.2	0.9	<0.1	<1	4	1.5	8.1
N254636	Drill Core	0.056	8.9	5	0.01	42	0.128	7.64	0.024	0.03	0.3	44.6	21	19.9	1.7	1.6	0.1	<1	3	1.6	4.3
N254637	Drill Core	0.055	8.2	6	0.02	37	0.183	6.94	0.025	0.03	0.4	50.6	19	26.6	2.2	2.9	0.2	<1	3	1.4	5.4
N254638	Drill Core	0.065	9.3	6	0.01	38	0.206	6.65	0.024	0.03	0.5	53.1	22	33.8	2.4	3.3	0.2	<1	4	1.1	4.8
N254639	Drill Core	0.063	12.7	6	<0.01	29	0.230	5.99	0.021	0.03	0.6	53.6	27	15.9	1.7	3.9	0.2	<1	2	2.7	1.1
N254640	Drill Core	0.066	12.6	6	0.01	20	0.162	7.35	0.022	0.03	0.3	49.0	27	12.7	1.7	2.5	0.2	<1	1	1.8	2.7
N254641	Drill Core	0.054	9.4	5	0.01	18	0.186	6.38	0.019	0.03	0.4	49.8	22	18.3	1.9	3.3	0.2	<1	2	2.4	2.0
N254642	Drill Core	0.060	11.7	5	0.01	39	0.133	6.48	0.021	0.02	0.4	47.1	25	16.1	1.5	2.3	0.2	<1	1	2.1	1.4
N254644	Drill Core	0.051	3.5	3	<0.01	33	0.127	6.16	0.019	0.02	0.3	43.3	8	20.1	0.9	1.7	0.1	<1	2	2.7	0.2
N254645	Drill Core	0.062	9.2	4	0.01	38	0.136	5.86	0.017	0.03	0.3	41.2	21	28.7	1.5	2.2	0.1	<1	1	2.2	1.7
N254646	Drill Core	0.049	7.5	4	0.01	18	0.161	6.03	0.018	0.02	0.4	32.7	17	12.0	1.0	2.6	0.2	<1	<1	1.8	2.0
N254647	Drill Core	0.045	6.9	4	<0.01	17	0.124	5.19	0.017	0.03	0.5	51.9	15	20.2	1.1	2.3	0.2	<1	1	1.6	1.2
N254648	Drill Core	0.058	8.5	5	0.01	19	0.141	6.80	0.022	0.03	0.3	37.2	19	15.3	1.9	2.0	0.1	<1	2	1.4	5.5
N254649	Drill Core	0.050	10.2	5	0.01	21	0.116	7.23	0.021	0.02	0.2	36.3	22	16.6	2.1	1.6	0.1	<1	1	1.4	4.2
N254650	Drill Core	0.036	3.6	5	0.01	17	0.098	6.49	0.019	0.02	0.3	36.9	8	13.5	1.4	1.6	0.1	<1	1	2.3	2.5
N254651	Rock Pulp	0.054	15.7	29	0.77	335	0.171	5.82	1.782	1.85	4.2	22.1	24	3.5	9.1	1.7	0.1	<1	7	13.2	0.6
N254652	Drill Core	0.042	4.0	6	<0.01	24	0.090	5.89	0.017	0.02	0.2	25.2	8	10.5	1.3	1.4	0.1	<1	1	2.1	2.2
N254653	Drill Core	0.012	3.1	3	<0.01	17	0.107	5.03	0.016	0.01	0.3	22.1	6	7.9	0.5	1.7	0.2	<1	<1	1.2	<0.1
N254654	Drill Core	0.015	1.7	3	<0.01	13	0.099	3.86	0.011	0.01	0.3	20.1	4	6.7	0.4	1.6	0.2	<1	<1	1.2	<0.1
N254655	Drill Core	0.016	2.5	4	<0.01	13	0.099	4.67	0.011	0.01	0.3	32.7	5	10.1	0.6	1.7	0.2	<1	<1	1.4	0.3
N254656	Drill Core	0.023	4.8	5	<0.01	21	0.096	4.38	0.013	0.02	0.4	29.2	10	7.1	0.9	1.9	0.2	<1	1	1.7	0.6
N254657	Drill Core	0.014	4.1	4	<0.01	17	0.104	5.00	0.014	0.01	0.3	23.1	9	7.7	0.7	1.7	0.1	<1	<1	1.8	0.2
N254658	Drill Core	0.042	12.3	4	<0.01	26	0.113	7.26	0.018	0.02	0.3	63.7	28	20.3	2.6	2.5	0.3	<1	1	0.8	3.5
N254660	Drill Core	0.036	7.1	4	<0.01	22	0.110	6.34	0.014	0.02	0.3	56.1	14	11.8	2.1	2.7	0.3	<1	<1	1.3	2.5
N254661	Drill Core	0.025	4.7	4	<0.01	20	0.135	4.87	0.012	0.02	0.3	37.2	9	8.2	1.2	2.7	0.2	<1	1	1.7	0.1
N254662	Drill Core	0.024	5.0	3	<0.01	15	0.096	4.13	0.012	0.01	0.3	29.0	10	7.4	0.9	2.0	0.2	<1	<1	1.4	0.6
N254663	Drill Core	0.017	5.4	6	<0.01	16	0.075	5.39	0.016	0.01	0.2	21.4	12	10.1	1.1	1.9	0.2	<1	2	1.4	1.1
N254664	Drill Core	0.022	1.8	4	<0.01	16	0.088	4.54	0.013	0.01	0.3	17.8	4	10.3	0.7	2.1	0.2	<1	1	1.5	1.8
N254665	Drill Core	0.017	0.7	3	<0.01	12	0.123	4.42	0.013	<0.01	0.1	18.6	2	8.2	0.5	2.2	0.3	<1	1	1.1	<0.1





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# CERTIFICATE OF ANALYSIS

VAN17001497.2

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
N254634	Rock	<0.1	<0.1	<0.05	0.039	<1	5.4	<0.5
N254635	Drill Core	0.7	0.6	0.08	0.642	11	1.1	<0.5
N254636	Drill Core	0.5	1.2	0.19	0.226	16	0.9	<0.5
N254637	Drill Core	0.6	1.1	0.25	0.180	18	1.1	<0.5
N254638	Drill Core	0.5	1.5	0.28	0.185	14	<0.5	<0.5
N254639	Drill Core	0.5	1.2	0.09	0.385	11	<0.5	<0.5
N254640	Drill Core	0.5	1.3	0.08	0.559	15	<0.5	<0.5
N254641	Drill Core	0.5	1.3	<0.05	0.267	16	<0.5	<0.5
N254642	Drill Core	0.4	1.2	<0.05	0.431	7	1.0	<0.5
N254644	Drill Core	0.3	1.2	<0.05	0.233	<1	<0.5	<0.5
N254645	Drill Core	0.4	1.0	0.10	0.240	8	<0.5	<0.5
N254646	Drill Core	0.5	0.8	<0.05	0.305	11	<0.5	<0.5
N254647	Drill Core	0.6	1.4	0.05	0.428	6	<0.5	<0.5
N254648	Drill Core	0.5	1.0	<0.05	0.362	25	<0.5	<0.5
N254649	Drill Core	0.5	1.0	<0.05	0.270	19	<0.5	<0.5
N254650	Drill Core	0.5	1.1	<0.05	0.356	12	<0.5	<0.5
N254651	Rock Pulp	33.2	0.6	0.13	0.373	3	3.3	<0.5
N254652	Drill Core	0.5	0.8	0.21	0.155	15	<0.5	<0.5
N254653	Drill Core	0.7	0.6	<0.05	0.022	<1	<0.5	<0.5
N254654	Drill Core	0.6	0.5	0.09	0.037	<1	<0.5	<0.5
N254655	Drill Core	0.7	1.0	0.11	0.152	<1	<0.5	<0.5
N254656	Drill Core	0.7	0.9	0.35	0.040	1	0.5	<0.5
N254657	Drill Core	0.6	0.7	0.12	0.085	1	<0.5	<0.5
N254658	Drill Core	0.6	2.1	0.11	0.280	7	<0.5	<0.5
N254660	Drill Core	0.5	2.0	<0.05	0.254	7	<0.5	<0.5
N254661	Drill Core	0.6	1.1	0.16	0.264	1	<0.5	<0.5
N254662	Drill Core	0.6	0.9	0.10	0.183	2	<0.5	<0.5
N254663	Drill Core	0.5	0.7	0.07	0.085	5	<0.5	<0.5
N254664	Drill Core	0.5	0.6	<0.05	0.167	8	0.8	<0.5
N254665	Drill Core	0.6	0.7	<0.05	0.195	<1	<0.5	<0.5



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# CERTIFICATE OF ANALYSIS

# VAN17001497.2

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254666	Rock	1.92	<2	0.9	11.6	0.7	2	<0.1	<0.1	<0.2	28	0.04	1	1.8	<0.1	4872	<0.1	<0.1	<0.1	<1	37.60
N254667	Drill Core	7.40	100	37.2	131.2	6.7	13	<0.1	0.6	0.7	13	0.45	14	0.4	1.1	40	0.1	0.4	0.2	23	0.03
N254668	Drill Core	7.10	96	71.1	146.3	23.4	13	<0.1	0.9	1.4	17	1.52	59	0.2	0.9	30	0.1	1.0	0.3	40	0.04
N254669	Drill Core	6.88	97	63.5	192.5	12.5	18	<0.1	0.9	2.3	13	0.92	48	0.4	1.0	47	0.3	1.8	0.2	22	0.06
N254670	Drill Core	7.46	38	29.1	54.3	12.4	10	<0.1	0.5	0.5	10	0.51	31	1.1	2.0	54	<0.1	0.7	0.2	25	0.07
N254671	Drill Core	6.85	64	32.8	111.2	6.0	14	<0.1	0.7	0.8	17	0.32	16	0.4	0.9	25	0.1	0.6	0.1	16	0.04
N254672	Rock Pulp	0.06	182	393.0	1970.3	24.3	55	13.7	14.0	9.2	730	3.66	15	0.8	2.0	406	0.2	36.3	2.2	86	2.71
N254673	Drill Core	7.48	62	36.5	67.4	5.3	13	<0.1	1.1	0.9	23	0.42	12	0.2	0.5	6	0.2	0.2	<0.1	9	0.01
N254674	Drill Core	7.65	58	49.7	71.0	9.2	32	<0.1	1.1	1.2	24	0.41	9	0.3	0.8	9	0.2	0.3	0.1	13	0.02
N254675	Drill Core	7.42	91	59.8	167.2	9.2	21	0.2	1.1	1.5	23	0.89	29	0.3	1.0	26	0.3	0.6	0.2	14	0.02
N254676	Drill Core	7.44	70	62.6	67.6	6.1	14	<0.1	0.7	0.6	15	0.27	2	0.4	1.0	25	<0.1	0.1	<0.1	29	0.04
N254677	Drill Core	7.51	87	50.8	68.8	7.4	11	<0.1	0.8	0.6	15	0.22	4	0.4	5.4	32	0.1	0.2	0.1	65	0.09
N254678	Drill Core	3.38	54	40.8	69.4	10.5	14	<0.1	0.7	0.8	12	0.20	8	0.4	6.5	38	0.1	0.3	0.1	70	0.08
N254680	Drill Core	7.36	47	41.2	40.1	11.4	13	<0.1	0.6	0.5	15	0.47	21	0.3	3.6	28	<0.1	0.2	<0.1	69	0.06
N254681	Drill Core	7.03	51	41.1	93.0	11.9	13	<0.1	0.5	0.9	13	0.45	12	0.3	2.6	49	<0.1	0.3	0.2	52	0.07
N254682	Drill Core	7.41	47	48.2	170.7	9.9	16	<0.1	0.8	0.9	16	0.39	14	0.3	1.1	79	0.2	0.5	0.1	28	0.06
N254683	Drill Core	7.97	155	30.3	142.6	9.1	15	0.2	1.1	1.0	14	0.76	3	0.5	3.9	29	<0.1	0.2	0.4	45	0.07
N254684	Drill Core	7.83	97	43.9	174.5	6.3	14	<0.1	1.3	3.6	15	1.13	5	0.4	4.3	20	0.1	0.1	0.2	34	0.06
N254685	Drill Core	8.00	77	36.8	82.2	4.3	13	<0.1	1.1	1.5	19	0.54	3	0.5	4.5	18	<0.1	0.2	0.1	40	0.06
N254686	Drill Core	7.69	179	36.4	334.1	6.7	13	0.1	1.8	2.2	20	1.23	12	0.5	3.3	27	<0.1	0.6	0.5	24	0.05
N254687	Drill Core	7.59	156	36.5	>10000	7.5	22	0.2	1.3	1.7	18	1.07	130	0.7	1.8	61	0.4	2.4	0.4	31	0.06
N254688	Drill Core	7.33	55	33.2	302.6	4.2	13	<0.1	0.5	0.4	16	0.24	6	0.5	0.9	25	0.1	0.2	<0.1	14	0.04
N254689	Rock	1.77	<2	0.1	3.5	0.2	1	0.1	<0.1	<0.2	32	0.03	11	1.6	<0.1	4549	<0.1	<0.1	<0.1	<1	38.18
N254690	Drill Core	7.28	98	27.1	244.3	4.7	10	<0.1	0.7	0.6	17	0.31	8	0.6	0.7	28	<0.1	0.3	<0.1	17	0.03
N254691	Drill Core	7.61	67	36.8	176.6	4.9	10	<0.1	0.6	0.5	11	0.19	12	0.4	1.3	40	<0.1	0.4	<0.1	39	0.10
N254692	Drill Core	7.43	79	59.2	157.5	3.8	13	<0.1	0.8	0.5	12	0.18	6	0.5	2.8	33	0.2	0.2	<0.1	31	0.09
N254693	Drill Core	7.51	74	38.5	162.8	4.0	8	<0.1	0.7	0.6	9	0.42	4	0.4	2.7	26	0.2	0.3	<0.1	78	0.10
N254694	Drill Core	7.34	71	36.6	115.0	7.6	10	<0.1	1.4	2.0	12	0.86	4	0.4	2.4	79	<0.1	0.1	0.1	47	0.10
N254695	Drill Core	7.34	110	31.3	210.6	9.6	12	<0.1	2.7	4.0	14	1.25	10	0.5	2.4	54	0.1	0.2	0.2	46	0.09
N254696	Drill Core	7.67	317	21.7	282.7	9.4	16	<0.1	10.4	14.8	12	3.31	26	0.5	2.5	34	0.1	0.6	0.4	92	0.11



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Project: Hushamu

Report Date: August 21, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.2

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254666	Rock	0.003	0.6	1	1.67	9	0.003	0.09	0.004	<0.01	<0.1	0.6	<1	0.2	0.3	0.1	<0.1	<1	<1	0.2	<0.1
N254667	Drill Core	0.012	0.5	4	<0.01	16	0.119	3.98	0.012	<0.01	0.1	21.5	1	14.2	0.7	2.3	0.2	<1	1	1.3	0.2
N254668	Drill Core	0.025	0.3	4	<0.01	17	0.042	2.78	0.011	0.01	0.1	14.2	<1	17.0	0.4	0.8	<0.1	<1	<1	0.9	0.3
N254669	Drill Core	0.044	0.5	4	<0.01	30	0.062	3.71	0.012	0.01	0.2	26.5	1	33.3	1.1	1.1	0.1	<1	<1	1.2	0.6
N254670	Drill Core	0.041	0.6	4	<0.01	39	0.098	5.66	0.016	0.02	0.3	54.1	1	12.2	3.3	2.3	0.2	<1	2	1.1	<0.1
N254671	Drill Core	0.018	0.2	4	<0.01	17	0.115	2.94	0.012	0.01	0.2	21.9	<1	18.3	0.7	1.6	0.1	<1	<1	0.7	0.2
N254672	Rock Pulp	0.051	7.5	20	0.86	741	0.233	6.62	2.390	1.98	1.6	8.8	18	3.2	9.4	2.4	0.1	1	9	9.3	0.3
N254673	Drill Core	0.004	<0.1	3	<0.01	6	0.060	1.27	0.008	0.01	0.2	15.8	<1	12.7	0.5	1.0	<0.1	<1	<1	0.4	0.2
N254674	Drill Core	0.008	0.2	4	<0.01	40	0.107	1.51	0.010	0.01	0.2	18.0	<1	12.1	0.9	1.7	<0.1	<1	<1	1.2	0.2
N254675	Drill Core	0.017	0.3	4	<0.01	13	0.080	1.83	0.009	0.01	0.2	20.1	<1	7.9	0.7	1.5	<0.1	<1	<1	0.7	0.6
N254676	Drill Core	0.036	0.5	7	<0.01	22	0.138	5.32	0.016	0.01	0.2	26.9	1	7.7	1.1	1.9	0.1	<1	1	1.3	0.1
N254677	Drill Core	0.068	9.8	11	<0.01	31	0.256	5.97	0.020	0.02	0.4	18.5	19	15.8	1.1	3.7	0.2	<1	2	1.0	0.1
N254678	Drill Core	0.061	19.0	12	0.01	31	0.269	6.45	0.020	0.02	0.2	13.4	38	16.8	1.3	3.9	0.1	<1	1	0.9	0.1
N254680	Drill Core	0.045	8.6	9	<0.01	19	0.143	5.77	0.019	0.02	0.1	16.0	18	11.1	1.0	2.2	0.1	<1	2	1.2	<0.1
N254681	Drill Core	0.054	8.1	9	<0.01	27	0.156	7.06	0.020	0.01	0.2	22.9	15	15.1	0.8	2.2	0.1	<1	2	1.8	0.3
N254682	Drill Core	0.047	1.6	5	<0.01	25	0.105	4.43	0.014	0.02	0.2	19.8	3	13.7	0.7	1.8	<0.1	<1	1	1.0	0.2
N254683	Drill Core	0.050	9.6	6	<0.01	23	0.097	5.54	0.018	0.02	0.1	35.0	20	12.9	0.8	1.6	<0.1	<1	2	0.9	0.8
N254684	Drill Core	0.040	9.0	7	<0.01	17	0.076	5.29	0.017	0.02	0.1	31.1	19	8.6	0.8	1.4	<0.1	<1	1	1.1	1.2
N254685	Drill Core	0.052	9.4	9	<0.01	19	0.092	6.00	0.019	0.03	<0.1	34.2	20	10.4	0.9	1.6	0.1	<1	1	0.8	0.5
N254686	Drill Core	0.034	6.9	14	<0.01	18	0.053	4.46	0.015	0.02	0.1	33.8	14	12.3	1.0	1.3	<0.1	<1	<1	0.7	1.3
N254687	Drill Core	0.052	2.9	9	<0.01	29	0.055	4.22	0.016	0.02	0.1	37.0	6	21.3	1.2	1.1	<0.1	<1	1	0.9	1.4
N254688	Drill Core	0.028	1.1	4	<0.01	19	0.082	3.05	0.014	0.03	0.1	34.8	2	6.6	0.8	1.6	0.1	<1	<1	0.7	0.1
N254689	Rock	0.004	0.2	1	1.84	7	0.002	0.04	0.006	<0.01	<0.1	0.4	<1	<0.1	0.3	0.1	<0.1	<1	<1	0.2	<0.1
N254690	Drill Core	0.026	0.5	5	<0.01	21	0.111	2.31	0.010	0.02	<0.1	40.4	1	7.1	0.7	2.0	0.1	<1	<1	0.4	0.2
N254691	Drill Core	0.070	2.8	8	<0.01	36	0.257	7.53	0.020	0.02	0.2	28.9	6	13.1	0.7	3.4	0.1	<1	1	1.1	0.2
N254692	Drill Core	0.067	5.1	12	0.01	24	0.261	4.34	0.014	0.02	0.4	31.6	10	14.6	0.8	3.2	0.1	<1	1	0.8	0.2
N254693	Drill Core	0.080	6.3	10	0.01	30	0.386	8.36	0.024	0.03	0.2	31.5	13	19.1	0.8	4.8	0.2	<1	2	1.2	0.5
N254694	Drill Core	0.073	7.3	8	<0.01	44	0.183	5.72	0.020	0.03	0.2	31.7	14	9.2	0.9	2.1	<0.1	<1	2	0.7	1.0
N254695	Drill Core	0.072	10.8	12	<0.01	32	0.126	5.48	0.019	0.03	0.2	31.5	20	10.2	1.0	1.5	<0.1	<1	2	0.7	1.4
N254696	Drill Core	0.084	10.8	24	0.02	29	0.078	8.28	0.025	0.04	<0.1	34.2	22	16.2	1.4	0.9	<0.1	<1	5	0.7	3.7



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# CERTIFICATE OF ANALYSIS

VAN17001497.2

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
		Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
N254666	Rock	<0.1	<0.1	<0.05	0.008	<1	2.1	<0.5	
N254667	Drill Core	0.3	0.7	<0.05	0.212	1	<0.5	<0.5	
N254668	Drill Core	0.5	0.5	0.23	0.065	1	0.5	<0.5	
N254669	Drill Core	0.6	0.9	0.10	0.251	1	0.6	<0.5	
N254670	Drill Core	0.7	1.7	0.15	0.034	<1	<0.5	<0.5	
N254671	Drill Core	0.4	0.6	<0.05	0.216	<1	<0.5	<0.5	
N254672	Rock Pulp	29.2	0.5	<0.05	0.380	<1	1.4	<0.5	
N254673	Drill Core	0.7	0.5	<0.05	0.115	<1	<0.5	<0.5	
N254674	Drill Core	0.7	0.6	0.08	0.197	<1	<0.5	<0.5	
N254675	Drill Core	0.6	0.6	0.08	0.268	<1	<0.5	<0.5	
N254676	Drill Core	0.5	0.8	<0.05	0.448	<1	<0.5	<0.5	
N254677	Drill Core	0.5	0.5	<0.05	0.374	<1	<0.5	<0.5	
N254678	Drill Core	0.6	0.4	0.08	0.195	<1	<0.5	<0.5	
N254680	Drill Core	0.7	0.6	0.12	0.072	<1	<0.5	<0.5	
N254681	Drill Core	0.6	0.7	0.06	0.120	1	<0.5	<0.5	
N254682	Drill Core	0.6	0.6	0.16	0.112	<1	<0.5	<0.5	
N254683	Drill Core	0.6	1.0	0.07	0.131	<1	<0.5	<0.5	
N254684	Drill Core	0.7	0.9	<0.05	0.220	1	<0.5	<0.5	
N254685	Drill Core	0.8	1.1	0.05	0.185	<1	<0.5	<0.5	
N254686	Drill Core	0.8	1.0	0.06	0.185	<1	<0.5	<0.5	
N254687	Drill Core	0.7	1.2	0.14	0.156	6	1.0	<0.5	0.998
N254688	Drill Core	0.4	1.1	<0.05	0.195	<1	<0.5	<0.5	
N254689	Rock	0.2	<0.1	<0.05	0.006	<1	3.8	<0.5	
N254690	Drill Core	0.6	1.1	<0.05	0.135	<1	<0.5	<0.5	
N254691	Drill Core	0.8	0.9	<0.05	0.165	<1	<0.5	<0.5	
N254692	Drill Core	0.6	0.9	0.07	0.424	<1	<0.5	<0.5	
N254693	Drill Core	0.7	0.8	<0.05	0.197	<1	<0.5	<0.5	
N254694	Drill Core	0.6	0.8	0.06	0.174	2	<0.5	<0.5	
N254695	Drill Core	0.6	1.0	0.06	0.133	2	<0.5	<0.5	
N254696	Drill Core	0.8	0.9	0.11	0.091	8	<0.5	<0.5	



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**Project:** Hushamu  
**Report Date:** August 21, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001497.2

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254697	Rock Pulp	0.05	651	343.8	4065.8	28.3	111	16.5	26.5	75.3	1462	4.88	1979	2.4	1.5	446	0.9	46.8	14.5	62	5.84
N254698	Drill Core	8.23	190	33.9	215.5	4.6	11	<0.1	5.1	7.2	12	2.21	11	0.5	2.3	31	<0.1	0.3	0.4	75	0.10
N254699	Drill Core	7.48	132	23.9	171.0	4.5	8	<0.1	3.2	3.0	11	1.04	4	0.4	2.6	27	<0.1	0.3	0.2	68	0.11
N254700	Drill Core	3.37	206	28.3	366.9	7.4	8	<0.1	5.3	7.0	10	2.18	3	0.6	3.7	33	<0.1	0.2	0.3	70	0.11
N254702	Drill Core	8.31	284	26.7	228.8	8.4	8	<0.1	16.5	27.1	13	5.96	4	0.6	3.7	37	<0.1	0.3	0.7	77	0.12
N254703	Drill Core	6.97	120	29.6	295.7	6.3	15	<0.1	5.2	8.5	17	3.06	5	0.5	1.7	18	0.1	0.1	0.3	15	0.04
N254704	Drill Core	7.57	206	31.1	317.2	7.0	13	<0.1	8.5	12.5	14	3.78	4	0.4	2.5	25	0.1	0.1	0.8	44	0.08
N254705	Drill Core	8.19	158	58.0	267.7	5.4	9	<0.1	7.9	11.9	10	4.32	4	0.5	3.4	43	<0.1	0.2	0.4	62	0.10
N254706	Drill Core	8.08	282	52.5	497.3	4.3	8	<0.1	17.4	31.9	12	8.26	12	0.4	2.7	45	<0.1	0.7	0.9	82	0.11
N254707	Drill Core	8.04	258	34.8	917.1	3.5	7	<0.1	12.6	25.8	10	6.19	22	0.6	3.3	25	<0.1	1.0	0.7	116	0.10
N254708	Drill Core	8.38	303	49.8	649.8	4.0	7	<0.1	16.8	30.9	12	7.02	14	0.5	3.0	35	<0.1	0.5	0.9	119	0.13
N254709	Drill Core	7.80	290	83.2	211.4	2.9	8	<0.1	8.9	16.1	15	4.14	12	0.6	2.7	28	<0.1	0.4	0.4	68	0.09
N254710	Rock	2.15	<2	0.2	1.9	0.2	<1	<0.1	<0.1	0.2	32	0.04	<1	1.5	<0.1	4511	<0.1	<0.1	<0.1	<1	37.32
N254711	Drill Core	8.19	311	57.3	215.9	3.2	7	<0.1	13.0	26.3	14	5.92	10	0.7	3.3	27	<0.1	0.6	0.6	95	0.12
N254712	Drill Core	8.59	263	96.1	219.3	4.6	9	<0.1	9.1	17.2	13	4.73	13	0.8	4.3	36	0.2	0.3	0.6	66	0.11
N254713	Drill Core	8.71	255	59.6	181.3	3.8	8	<0.1	13.1	23.9	16	5.12	7	0.8	4.6	47	<0.1	0.3	0.7	102	0.13
N254714	Drill Core	8.83	324	47.3	289.9	7.2	10	<0.1	25.8	53.8	17	10.47	15	0.7	3.3	35	<0.1	0.4	1.3	74	0.08
N254715	Rock Pulp	0.06	180	378.0	1893.4	27.6	59	13.5	15.6	10.6	731	3.63	14	1.3	2.3	422	0.5	35.2	2.4	87	2.81
N254716	Drill Core	9.13	315	59.9	624.1	13.2	18	<0.1	13.8	30.0	13	7.36	24	0.8	4.7	127	0.2	0.4	1.6	119	0.10
N254717	Drill Core	7.96	225	55.6	1719.8	24.6	28	0.1	9.5	23.3	13	5.39	60	1.3	4.1	150	0.1	0.9	2.5	135	0.09
N254718	Drill Core	7.94	117	76.4	450.8	7.0	20	0.2	3.3	6.9	13	2.25	17	0.8	4.1	47	0.2	0.2	0.4	61	0.06
N254719	Drill Core	3.57	60	69.0	205.4	3.8	14	<0.1	1.9	4.2	10	1.00	4	0.7	3.7	33	0.2	0.1	0.3	81	0.06
N254721	Drill Core	7.84	303	36.9	1813.3	11.5	27	<0.1	7.8	17.8	11	5.68	47	0.7	4.7	65	0.2	1.6	1.4	65	0.09
N254722	Drill Core	8.59	256	79.7	1506.2	15.8	14	<0.1	12.1	17.0	13	4.33	18	0.8	4.3	80	0.2	0.6	1.1	122	0.09
N254723	Drill Core	8.78	129	93.8	168.9	5.3	15	<0.1	4.5	7.1	12	2.28	5	0.9	2.8	33	0.2	0.2	0.5	87	0.06
N254492	Drill Core	3.12	70	27.8	68.1	16.6	10	<0.1	0.8	0.6	17	0.54	28	0.2	0.6	60	0.1	0.4	0.4	24	0.05
N254513	Drill Core	2.82	115	68.8	236.0	12.8	15	0.1	1.0	1.1	19	2.46	15	0.3	0.7	149	0.1	0.2	1.3	21	0.06
N254538	Drill Core	3.53	63	139.5	235.8	7.3	11	<0.1	0.7	0.7	9	0.18	1	0.2	0.3	5	0.1	0.1	0.3	6	0.02
N254560	Drill Core	3.61	76	120.2	87.3	9.2	12	<0.1	0.8	3.0	6	0.92	11	1.2	1.0	57	0.1	0.4	0.5	33	0.04
N254585	Drill Core	3.60	278	112.2	502.8	15.5	19	0.1	3.2	10.8	13	2.63	29	0.9	4.1	126	0.2	0.7	1.1	40	0.07



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# CERTIFICATE OF ANALYSIS

# VAN17001497.2

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S		
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1	0.1
N254697	Rock Pulp	0.064	16.1	33	0.79	635	0.150	6.15	1.772	1.64	3.6	21.9	23	3.2	9.3	1.7	0.1	<1	6	11.1	0.6	
N254698	Drill Core	0.071	9.8	21	0.02	22	0.094	7.36	0.020	0.03	0.1	34.3	19	10.6	1.1	1.1	<0.1	<1	4	0.9	2.5	
N254699	Drill Core	0.086	9.2	19	0.02	22	0.132	7.32	0.020	0.04	<0.1	31.2	19	6.3	0.9	1.6	<0.1	<1	3	0.8	1.2	
N254700	Drill Core	0.083	13.0	25	0.02	24	0.124	7.76	0.020	0.03	0.1	42.7	26	7.0	1.1	1.4	<0.1	<1	3	0.8	2.6	
N254702	Drill Core	0.088	13.9	18	0.02	26	0.096	7.79	0.022	0.03	<0.1	40.9	28	6.9	1.6	1.1	<0.1	<1	3	0.5	6.6	
N254703	Drill Core	0.030	3.5	8	<0.01	14	0.065	1.98	0.008	0.02	0.1	33.0	7	4.8	0.9	1.0	<0.1	<1	1	0.2	3.5	
N254704	Drill Core	0.056	8.0	15	0.02	19	0.069	5.31	0.015	0.02	<0.1	25.0	16	4.3	1.0	0.9	<0.1	<1	2	0.9	4.3	
N254705	Drill Core	0.068	11.9	13	0.01	28	0.125	6.62	0.015	0.02	<0.1	28.0	22	5.9	1.1	1.3	<0.1	<1	3	1.1	4.8	
N254706	Drill Core	0.074	14.0	11	0.01	31	0.081	6.74	0.019	0.03	0.2	29.8	26	10.8	1.4	0.9	<0.1	<1	3	0.8	9.1	
N254707	Drill Core	0.063	11.7	9	0.01	25	0.096	7.84	0.021	0.03	<0.1	40.7	23	14.6	2.1	1.2	<0.1	<1	5	0.9	6.7	
N254708	Drill Core	0.074	12.5	12	0.01	23	0.109	8.32	0.022	0.03	<0.1	35.5	26	12.5	2.0	1.1	<0.1	<1	6	0.8	7.4	
N254709	Drill Core	0.068	10.0	7	<0.01	17	0.094	6.68	0.019	0.03	0.1	41.7	20	8.3	1.5	1.2	<0.1	<1	4	0.6	4.6	
N254710	Rock	0.003	0.9	1	1.85	6	0.003	0.09	0.006	<0.01	<0.1	1.3	<1	<0.1	0.3	0.2	<0.1	<1	<1	0.2	<0.1	
N254711	Drill Core	0.076	13.7	6	0.02	17	0.100	7.33	0.019	0.03	0.1	49.6	28	8.4	1.5	1.1	<0.1	<1	4	0.9	5.8	
N254712	Drill Core	0.079	13.8	9	0.01	21	0.106	6.36	0.017	0.02	0.1	58.1	27	5.0	1.6	1.4	<0.1	<1	3	0.9	5.0	
N254713	Drill Core	0.100	15.6	9	0.02	21	0.111	8.08	0.020	0.03	<0.1	64.1	31	6.4	1.6	1.3	<0.1	<1	5	1.0	5.1	
N254714	Drill Core	0.062	8.6	7	0.01	25	0.069	6.64	0.019	0.02	0.1	52.5	18	5.6	1.9	0.8	<0.1	<1	4	0.6	>10	
N254715	Rock Pulp	0.053	9.1	20	0.88	747	0.205	7.57	2.235	1.86	1.9	10.3	19	3.1	12.1	2.6	0.2	<1	9	8.1	0.3	
N254716	Drill Core	0.078	11.5	10	<0.01	24	0.083	7.69	0.014	0.02	0.1	44.9	22	8.6	2.0	1.2	<0.1	<1	4	1.6	7.9	
N254717	Drill Core	0.064	9.3	7	<0.01	33	0.126	7.67	0.015	0.02	0.3	40.7	19	16.9	3.9	2.3	0.2	<1	6	1.7	5.8	
N254718	Drill Core	0.048	11.3	9	<0.01	17	0.088	5.83	0.013	0.02	2.4	45.5	22	7.4	1.4	1.4	<0.1	<1	3	1.4	2.6	
N254719	Drill Core	0.048	10.9	11	<0.01	16	0.206	5.93	0.012	0.01	0.2	35.9	22	10.6	1.3	2.4	0.1	<1	3	1.4	1.1	
N254721	Drill Core	0.063	12.5	3	<0.01	48	0.067	7.39	0.014	0.03	0.2	37.8	25	14.6	2.9	1.3	<0.1	<1	4	1.0	6.3	
N254722	Drill Core	0.066	12.8	20	0.02	51	0.132	7.69	0.025	0.04	0.2	35.0	26	7.9	2.5	1.5	<0.1	<1	8	0.9	4.7	
N254723	Drill Core	0.048	10.2	16	0.01	14	0.119	5.72	0.012	0.02	0.1	54.2	19	6.0	1.6	1.3	<0.1	<1	5	0.9	2.6	
N254492	Drill Core	0.034	0.6	4	<0.01	27	0.065	3.74	0.013	0.02	0.1	11.3	1	4.4	0.4	0.9	<0.1	<1	<1	1.5	0.1	
N254513	Drill Core	0.063	0.6	4	<0.01	37	0.031	3.42	0.012	0.01	0.2	20.8	<1	2.8	0.7	0.6	<0.1	<1	<1	1.4	0.8	
N254538	Drill Core	0.005	<0.1	1	<0.01	4	0.040	4.40	0.011	<0.01	0.2	12.5	<1	4.8	0.3	0.8	<0.1	<1	<1	0.6	<0.1	
N254560	Drill Core	0.027	0.5	3	<0.01	19	0.091	10.77	0.020	<0.01	1.3	52.0	1	37.5	0.9	1.8	0.2	<1	2	2.1	0.8	
N254585	Drill Core	0.060	9.1	3	<0.01	37	0.157	6.12	0.017	0.01	0.8	37.2	15	23.7	1.9	4.1	0.3	<1	2	2.0	3.0	



**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: Hushamu

Report Date: August 21, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001497.2

Method Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
	Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
N254697	Rock Pulp	36.5	0.7	0.15	0.362	4	2.9	<0.5
N254698	Drill Core	0.6	1.0	0.09	0.162	4	<0.5	<0.5
N254699	Drill Core	0.7	0.9	0.05	0.108	2	<0.5	<0.5
N254700	Drill Core	0.5	1.1	0.06	0.179	3	<0.5	<0.5
N254702	Drill Core	0.5	1.2	0.05	0.105	6	0.6	<0.5
N254703	Drill Core	0.5	1.0	<0.05	0.207	4	<0.5	<0.5
N254704	Drill Core	0.5	0.8	0.07	0.158	5	<0.5	<0.5
N254705	Drill Core	0.4	0.9	0.07	0.446	6	<0.5	<0.5
N254706	Drill Core	0.5	0.8	<0.05	0.216	7	0.6	<0.5
N254707	Drill Core	0.6	1.2	<0.05	0.096	4	0.6	<0.5
N254708	Drill Core	0.5	1.0	<0.05	0.146	6	<0.5	<0.5
N254709	Drill Core	0.5	1.2	0.07	0.318	4	<0.5	<0.5
N254710	Rock	0.1	<0.1	<0.05	0.005	<1	3.9	<0.5
N254711	Drill Core	0.7	1.3	<0.05	0.098	4	0.6	<0.5
N254712	Drill Core	0.5	1.4	<0.05	0.307	6	<0.5	<0.5
N254713	Drill Core	0.6	1.5	0.07	0.135	3	<0.5	<0.5
N254714	Drill Core	0.5	1.5	<0.05	0.123	4	0.8	<0.5
N254715	Rock Pulp	37.9	0.6	0.06	0.419	<1	1.4	<0.5
N254716	Drill Core	0.4	1.3	0.34	0.192	9	1.8	<0.5
N254717	Drill Core	0.5	1.2	0.25	0.265	8	1.5	<0.5
N254718	Drill Core	0.5	1.2	0.06	0.436	4	<0.5	<0.5
N254719	Drill Core	0.4	1.0	0.06	0.445	2	<0.5	<0.5
N254721	Drill Core	0.6	1.1	0.08	0.165	8	0.6	<0.5
N254722	Drill Core	0.7	1.0	<0.05	0.272	6	0.8	<0.5
N254723	Drill Core	0.6	1.5	<0.05	0.428	3	<0.5	<0.5
N254492	Drill Core	0.5	0.3	<0.05	0.014	<1	<0.5	<0.5
N254513	Drill Core	0.5	0.6	0.10	0.155	2	<0.5	<0.5
N254538	Drill Core	0.5	0.4	<0.05	0.880	<1	<0.5	<0.5
N254560	Drill Core	0.2	1.7	<0.05	0.268	2	<0.5	<0.5
N254585	Drill Core	0.5	1.1	<0.05	0.601	7	1.4	<0.5



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# QUALITY CONTROL REPORT

## VAN17001497.2

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254616	Drill Core	8.30	292	129.1	781.3	23.7	42	0.2	11.6	32.1	21	7.99	176	1.3	4.9	77	0.5	2.7	2.2	76	0.08
REP N254616	QC			126.9	798.4	21.8	37	0.3	11.6	33.4	23	8.04	163	1.1	4.3	71	0.4	2.3	1.9	78	0.08
N254651	Rock Pulp	0.05	I.S.	338.0	3973.3	29.2	106	15.6	22.5	58.4	1471	4.74	2057	2.7	1.6	495	1.0	47.6	17.1	58	6.00
REP N254651	QC			337.9	4027.4	27.0	101	16.7	21.0	62.6	1496	4.85	2071	2.5	1.5	449	0.8	45.2	15.6	59	6.18
N254686	Drill Core	7.69	179	36.4	334.1	6.7	13	0.1	1.8	2.2	20	1.23	12	0.5	3.3	27	<0.1	0.6	0.5	24	0.05
REP N254686	QC		183																		
N254687	Drill Core	7.59	156	36.5	>10000	7.5	22	0.2	1.3	1.7	18	1.07	130	0.7	1.8	61	0.4	2.4	0.4	31	0.06
REP N254687	QC																				
N254690	Drill Core	7.28	98	27.1	244.3	4.7	10	<0.1	0.7	0.6	17	0.31	8	0.6	0.7	28	<0.1	0.3	<0.1	17	0.03
REP N254690	QC			27.2	260.9	4.9	11	<0.1	0.8	0.5	19	0.34	12	0.6	0.7	30	<0.1	0.2	<0.1	17	0.03
N254714	Drill Core	8.83	324	47.3	289.9	7.2	10	<0.1	25.8	53.8	17	10.47	15	0.7	3.3	35	<0.1	0.4	1.3	74	0.08
REP N254714	QC		337																		
N254718	Drill Core	7.94	117	76.4	450.8	7.0	20	0.2	3.3	6.9	13	2.25	17	0.8	4.1	47	0.2	0.2	0.4	61	0.06
REP N254718	QC			75.4	435.0	7.0	19	0.3	3.6	7.0	13	2.31	17	0.8	4.1	48	0.2	0.2	0.4	62	0.06
Core Reject Duplicates																					
N254614	Drill Core	8.08	197	157.7	353.9	23.4	38	0.1	7.8	24.4	22	6.17	42	1.2	4.8	92	0.5	0.9	1.4	57	0.08
DUP N254614	QC		200	170.3	330.8	21.0	39	0.2	8.5	24.2	28	6.11	38	1.1	4.1	86	0.6	0.7	1.3	57	0.07
N254649	Drill Core	7.53	198	58.3	134.3	9.8	11	<0.1	4.9	26.4	13	3.79	24	0.6	3.2	81	0.3	0.2	0.9	39	0.05
DUP N254649	QC		217	60.4	141.1	10.5	12	<0.1	5.3	27.6	12	3.88	24	0.6	2.8	78	0.2	0.3	0.9	38	0.05
N254685	Drill Core	8.00	77	36.8	82.2	4.3	13	<0.1	1.1	1.5	19	0.54	3	0.5	4.5	18	<0.1	0.2	0.1	40	0.06
DUP N254685	QC		75	37.8	83.3	4.5	14	<0.1	1.0	1.3	18	0.54	3	0.5	4.8	18	<0.1	0.2	0.1	41	0.06
N254721	Drill Core	7.84	303	36.9	1813.3	11.5	27	<0.1	7.8	17.8	11	5.68	47	0.7	4.7	65	0.2	1.6	1.4	65	0.09
DUP N254721	QC		270	37.6	1961.7	11.7	28	<0.1	7.8	18.3	11	5.61	49	0.7	4.9	62	0.3	1.6	1.3	67	0.10
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD OREAS25A-4A	Standard			2.3	32.2	24.8	46	<0.1	44.1	7.9	519	6.62	9	2.7	15.8	47	<0.1	0.5	0.3	157	0.32
STD OREAS25A-4A	Standard			2.4	38.7	30.0	55	0.1	46.9	7.7	515	6.90	11	3.1	19.0	59	<0.1	0.7	0.4	161	0.32





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# QUALITY CONTROL REPORT

## VAN17001497.2

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254616	Drill Core	0.051	14.0	6	0.02	37	0.093	6.08	0.017	0.04	0.4	88.4	30	22.1	3.6	1.6	<0.1	<1	5	1.3	8.9
REP N254616	QC	0.059	15.7	6	0.03	39	0.095	6.24	0.019	0.03	0.3	80.5	33	22.1	3.3	1.4	<0.1	<1	4	1.3	9.0
N254651	Rock Pulp	0.054	15.7	29	0.77	335	0.171	5.82	1.782	1.85	4.2	22.1	24	3.5	9.1	1.7	0.1	<1	7	13.2	0.6
REP N254651	QC	0.056	17.0	34	0.79	365	0.159	5.93	1.806	1.74	4.4	21.3	25	3.4	8.4	1.7	<0.1	<1	6	11.5	0.6
N254686	Drill Core	0.034	6.9	14	<0.01	18	0.053	4.46	0.015	0.02	0.1	33.8	14	12.3	1.0	1.3	<0.1	<1	<1	0.7	1.3
REP N254686	QC																				
N254687	Drill Core	0.052	2.9	9	<0.01	29	0.055	4.22	0.016	0.02	0.1	37.0	6	21.3	1.2	1.1	<0.1	<1	1	0.9	1.4
REP N254687	QC																				
N254690	Drill Core	0.026	0.5	5	<0.01	21	0.111	2.31	0.010	0.02	<0.1	40.4	1	7.1	0.7	2.0	0.1	<1	<1	0.4	0.2
REP N254690	QC	0.025	0.6	5	<0.01	22	0.104	2.49	0.011	0.02	<0.1	41.1	1	7.0	0.8	1.9	0.1	<1	<1	0.4	0.2
N254714	Drill Core	0.062	8.6	7	0.01	25	0.069	6.64	0.019	0.02	0.1	52.5	18	5.6	1.9	0.8	<0.1	<1	4	0.6	>10
REP N254714	QC																				
N254718	Drill Core	0.048	11.3	9	<0.01	17	0.088	5.83	0.013	0.02	2.4	45.5	22	7.4	1.4	1.4	<0.1	<1	3	1.4	2.6
REP N254718	QC	0.047	11.4	10	0.01	17	0.096	5.78	0.013	0.02	2.0	46.5	22	7.8	1.5	1.5	<0.1	<1	3	1.5	2.6
Core Reject Duplicates																					
N254614	Drill Core	0.050	10.3	5	0.02	42	0.084	6.24	0.015	0.04	0.5	86.7	23	7.9	3.5	1.4	<0.1	<1	4	1.4	6.9
DUP N254614	QC	0.048	11.0	6	0.03	46	0.081	6.13	0.015	0.03	0.4	81.7	25	7.4	3.2	1.2	<0.1	<1	4	0.9	6.8
N254649	Drill Core	0.050	10.2	5	0.01	21	0.116	7.23	0.021	0.02	0.2	36.3	22	16.6	2.1	1.6	0.1	<1	1	1.4	4.2
DUP N254649	QC	0.049	9.4	4	0.01	20	0.103	6.99	0.021	0.02	0.2	35.5	21	15.3	1.8	1.4	<0.1	<1	1	1.3	4.3
N254685	Drill Core	0.052	9.4	9	<0.01	19	0.092	6.00	0.019	0.03	<0.1	34.2	20	10.4	0.9	1.6	0.1	<1	1	0.8	0.5
DUP N254685	QC	0.054	9.5	9	0.01	19	0.093	5.94	0.020	0.03	<0.1	36.5	21	11.1	0.9	1.8	0.1	<1	1	1.0	0.5
N254721	Drill Core	0.063	12.5	3	<0.01	48	0.067	7.39	0.014	0.03	0.2	37.8	25	14.6	2.9	1.3	<0.1	<1	4	1.0	6.3
DUP N254721	QC	0.064	12.8	3	<0.01	48	0.065	7.56	0.015	0.03	0.2	36.6	25	15.8	2.8	1.3	<0.1	<1	4	1.3	6.4
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD OREAS25A-4A	Standard	0.054	24.3	114	0.36	162	0.948	9.32	0.134	0.54	1.8	158.5	51	4.4	10.6	19.7	1.4	<1	14	37.8	<0.1
STD OREAS25A-4A	Standard	0.048	23.7	117	0.35	159	1.001	9.08	0.124	0.53	2.3	165.8	53	4.9	11.7	20.2	1.6	1	13	37.2	<0.1



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# QUALITY CONTROL REPORT

VAN17001497.2

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
Analyte	Rb	Hf	In	Re	Se	Te	Tl	Cu
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
Pulp Duplicates								
N254616	Drill Core	1.2	2.5	0.15	0.773	4	2.0	<0.5
REP N254616	QC	1.2	2.3	0.07	0.610	6	1.5	<0.5
N254651	Rock Pulp	33.2	0.6	0.13	0.373	3	3.3	<0.5
REP N254651	QC	33.7	0.6	0.20	0.369	4	3.6	<0.5
N254686	Drill Core	0.8	1.0	0.06	0.185	<1	<0.5	<0.5
REP N254686	QC							
N254687	Drill Core	0.7	1.2	0.14	0.156	6	1.0	<0.5 0.998
REP N254687	QC							0.949
N254690	Drill Core	0.6	1.1	<0.05	0.135	<1	<0.5	<0.5
REP N254690	QC	0.6	1.1	<0.05	0.147	<1	<0.5	<0.5
N254714	Drill Core	0.5	1.5	<0.05	0.123	4	0.8	<0.5
REP N254714	QC							
N254718	Drill Core	0.5	1.2	0.06	0.436	4	<0.5	<0.5
REP N254718	QC	0.5	1.1	0.05	0.448	5	<0.5	<0.5
Core Reject Duplicates								
N254614	Drill Core	1.2	2.5	<0.05	1.043	5	0.6	<0.5
DUP N254614	QC	1.0	2.0	0.06	1.000	6	0.8	<0.5
N254649	Drill Core	0.5	1.0	<0.05	0.270	19	<0.5	<0.5
DUP N254649	QC	0.5	1.0	0.06	0.282	22	<0.5	<0.5
N254685	Drill Core	0.8	1.1	0.05	0.185	<1	<0.5	<0.5
DUP N254685	QC	0.8	0.9	0.07	0.197	<1	<0.5	<0.5
N254721	Drill Core	0.6	1.1	0.08	0.165	8	0.6	<0.5
DUP N254721	QC	0.6	1.1	0.11	0.159	8	0.5	<0.5
Reference Materials								
STD CDN-ME-14	Standard							1.272
STD CDN-ME-9	Standard							0.676
STD OREAS25A-4A	Standard	61.1	4.2	0.11	<0.005	2	<0.5	<0.5
STD OREAS25A-4A	Standard	69.4	4.5	0.13	<0.005	2	<0.5	<0.5



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Northisle Copper and Gold Inc.**

15th floor - 1040 West Georgia Street

Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 21, 2017

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Part: 1 of 3

# QUALITY CONTROL REPORT

## VAN17001497.2

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OREAS25A-4A	Standard			2.4	35.7	27.3	45	<0.1	49.0	7.9	501	6.57	11	3.2	16.1	50	<0.1	0.7	0.4	163	0.29
STD OREAS25A-4A	Standard			2.4	37.1	27.1	43	<0.1	47.7	8.5	527	6.84	11	3.1	17.7	50	<0.1	0.6	0.4	168	0.34
STD OREAS25A-4A	Standard			2.4	33.0	24.5	42	<0.1	45.4	7.9	483	6.72	11	3.0	15.8	49	<0.1	0.6	0.5	161	0.29
STD OREAS45E	Standard			2.0	786.2	19.7	53	0.3	456.5	60.1	546	24.05	16	2.1	12.4	17	<0.1	0.9	0.3	329	0.07
STD OREAS45E	Standard			2.7	835.1	22.1	54	0.3	478.5	59.4	588	25.67	18	2.9	15.3	20	<0.1	1.3	0.4	344	0.08
STD OREAS45E	Standard			2.8	809.2	21.0	47	0.3	483.2	63.8	600	25.73	18	3.0	15.0	17	<0.1	1.2	0.4	332	0.07
STD OREAS45E	Standard			2.2	819.3	20.5	49	0.3	486.2	64.6	619	25.89	18	2.8	14.5	17	<0.1	1.2	0.3	335	0.08
STD OREAS45E	Standard			2.6	816.3	19.3	47	0.3	481.1	64.8	600	27.45	16	2.7	14.5	19	<0.1	1.2	0.4	328	0.07
STD OXC145	Standard		209																		
STD OXC145	Standard		215																		
STD OXC145	Standard		205																		
STD OXC145	Standard		217																		
STD OXH122	Standard		1233																		
STD OXH122	Standard		1244																		
STD OXH122	Standard		1193																		
STD OXH122	Standard		1190																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
STD OXH122 Expected			1247																		
STD OXC145 Expected			212																		
STD CDN-ME-14 Expected																					
STD CDN-ME-9 Expected																					
BLK	Blank			0.1	0.4	0.3	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.4	<0.1	<1	<0.1	0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.1	0.3	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		



Bureau Veritas Commodities Canada Ltd.

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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 21, 2017

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# QUALITY CONTROL REPORT

## VAN17001497.2

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1
STD OREAS25A-4A	Standard	0.049	21.5	127	0.32	154	0.902	9.48	0.130	0.51	1.9	161.1	47	4.4	10.7	20.9	1.4	1	13	38.4	<0.1	
STD OREAS25A-4A	Standard	0.054	23.8	114	0.34	162	0.930	9.61	0.145	0.52	1.9	152.5	51	4.2	10.9	19.8	1.5	2	14	41.6	<0.1	
STD OREAS25A-4A	Standard	0.045	22.6	123	0.32	150	0.915	9.15	0.128	0.48	2.1	152.4	48	4.1	10.2	19.8	1.4	<1	12	37.6	<0.1	
STD OREAS45E	Standard	0.034	10.6	952	0.15	229	0.549	7.08	0.048	0.38	1.0	93.5	24	1.3	7.8	5.6	0.5	<1	86	6.7	<0.1	
STD OREAS45E	Standard	0.031	12.4	1088	0.17	268	0.576	7.34	0.059	0.37	1.2	100.7	27	1.6	9.2	7.4	0.6	<1	98	7.7	<0.1	
STD OREAS45E	Standard	0.033	12.3	1143	0.15	289	0.546	7.24	0.052	0.36	1.1	104.6	26	1.6	8.8	6.6	0.6	<1	95	7.7	<0.1	
STD OREAS45E	Standard	0.035	12.5	1144	0.16	267	0.558	7.40	0.055	0.37	0.9	100.2	26	1.4	8.9	6.4	0.6	<1	96	7.7	<0.1	
STD OREAS45E	Standard	0.034	12.7	1064	0.16	271	0.543	7.21	0.057	0.36	1.1	107.3	26	1.6	8.9	6.7	0.5	<1	97	6.8	<0.1	
STD OXC145	Standard																					
STD OXC145	Standard																					
STD OXC145	Standard																					
STD OXC145	Standard																					
STD OXH122	Standard																					
STD OXH122	Standard																					
STD OXH122	Standard																					
STD OXH122	Standard																					
STD OREAS25A-4A Expected		0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	
STD OREAS45E Expected		0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	
STD OXH122 Expected																						
STD OXC145 Expected																						
STD CDN-ME-14 Expected																						
STD CDN-ME-9 Expected																						
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.002	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					



Bureau Veritas Commodities Canada Ltd.

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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 21, 2017

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# QUALITY CONTROL REPORT

VAN17001497.2

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
		Rb	Hf	In	Re	Se	Te	Tl	Cu
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
STD OREAS25A-4A	Standard	63.7	4.1	0.11	<0.005	2	<0.5	<0.5	
STD OREAS25A-4A	Standard	63.3	4.2	0.07	<0.005	3	<0.5	<0.5	
STD OREAS25A-4A	Standard	58.9	4.2	0.08	<0.005	1	<0.5	<0.5	
STD OREAS45E	Standard	22.7	3.1	0.08	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	23.4	3.1	0.16	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	23.1	3.1	0.12	<0.005	3	<0.5	<0.5	
STD OREAS45E	Standard	22.8	3.4	0.15	<0.005	2	<0.5	<0.5	
STD OREAS45E	Standard	23.1	3.2	0.13	<0.005	2	<0.5	<0.5	
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXC145	Standard								
STD OXH122	Standard								
STD OXH122	Standard								
STD OXH122	Standard								
STD OXH122	Standard								
STD OREAS25A-4A Expected		61	4.28	0.09		2.5		0.35	
STD OREAS45E Expected		21.2	3.11	0.099		2.97	0.1	0.09	
STD OXH122 Expected									
STD OXC145 Expected									
STD CDN-ME-14 Expected									1.221
STD CDN-ME-9 Expected									0.654
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
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**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: August 21, 2017

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# QUALITY CONTROL REPORT

VAN17001497.2

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	1	<0.1	<0.1	4	<0.1	<0.1	<0.1	<1	0.03
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
ROCK-VAN	Prep Blank		<2	0.7	8.8	3.5	41	<0.1	1.1	4.2	690	2.07	2	1.2	2.9	212	<0.1	0.1	<0.1	33	1.52
ROCK-VAN	Prep Blank		<2	0.6	5.0	3.3	32	<0.1	1.1	4.6	773	2.04	2	1.1	2.5	174	<0.1	<0.1	<0.1	33	1.51



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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: August 21, 2017

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# QUALITY CONTROL REPORT

VAN17001497.2

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-VAN	Prep Blank	0.042	13.6	2	0.50	791	0.209	7.30	3.680	1.94	0.4	55.0	25	1.0	17.0	5.8	0.4	<1	7	3.4	<0.1
ROCK-VAN	Prep Blank	0.048	13.2	2	0.49	812	0.209	7.15	3.623	1.61	0.3	47.4	26	0.9	14.4	5.1	0.3	<1	6	2.9	<0.1



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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: August 21, 2017

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# QUALITY CONTROL REPORT

VAN17001497.2

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA370
		Rb	Hf	In	Re	Se	Te	Tl	Cu
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.05	0.005	1	0.5	0.5	0.001
BLK	Blank	<0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5	
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								
BLK	Blank								<0.001
Prep Wash									
ROCK-VAN	Prep Blank	39.5	2.1	0.06	<0.005	<1	<0.5	<0.5	
ROCK-VAN	Prep Blank	34.3	1.6	<0.05	<0.005	<1	<0.5	<0.5	





**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Northisle Copper and Gold Inc.**  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Submitted By: John McClintock  
Receiving Lab: Canada-Vancouver  
Received: July 27, 2017  
Report Date: August 28, 2017  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN17001580.1

### CLIENT JOB INFORMATION

Project: Hushamu  
Shipment ID: 7  
P.O. Number  
Number of Samples: 86

### SAMPLE DISPOSAL

RTRN-PLP Return After 90 days  
RTRN-RJT Return After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1  
Canada

CC: Michael McClintock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	78	Crush, split and pulverize 250 g rock to 200 mesh			VAN
SLBHP	8	Sort, label and box pulps			VAN
FA350-Au	86	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	86	Environmental disposal charge-Fire assay lead waste			VAN
MA200	86	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu

Report Date: August 28, 2017

Page: 2 of 4

Part: 1 of 3

# CERTIFICATE OF ANALYSIS

## VAN17001580.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254724	Rock	1.87	2	<0.1	1.9	0.4	1	<0.1	2.2	<0.2	24	0.06	4	1.6	<0.1	4341	<0.1	<0.1	<0.1	3	36.20
N254725	Drill Core	6.57	44	37.3	188.8	25.3	126	0.1	12.5	22.5	64	5.97	14	0.5	1.6	68	0.7	0.4	0.7	184	0.25
N254726	Drill Core	5.61	31	22.6	173.8	25.9	39	0.1	9.6	14.7	16	5.50	13	0.4	2.6	48	0.2	0.3	0.7	193	0.07
N254727	Drill Core	5.71	33	31.7	172.5	17.9	359	0.1	9.3	19.1	69	4.97	13	0.6	2.2	42	2.1	0.2	0.6	157	0.36
N254728	Drill Core	5.03	37	8.0	110.5	56.9	347	0.2	9.6	19.8	280	4.39	4	0.8	2.0	46	2.2	<0.1	0.2	145	1.31
N254729	Drill Core	6.72	70	19.4	119.4	82.6	714	0.3	9.3	25.4	301	5.23	11	0.7	1.9	40	7.4	0.3	0.2	128	1.37
N254730	Rock Pulp	0.05	630	311.8	3870.9	27.0	101	14.5	24.4	67.8	1499	4.71	1964	2.5	1.5	429	0.7	42.5	14.3	57	5.91
N254731	Drill Core	7.21	48	14.8	201.6	58.8	523	1.5	9.2	19.6	385	4.64	6	0.8	2.1	46	5.1	0.2	0.2	174	1.76
N254732	Drill Core	7.36	28	11.3	129.5	66.2	821	0.4	12.5	19.0	378	4.77	6	0.7	1.4	76	8.0	0.2	0.4	135	2.10
N254733	Drill Core	7.29	53	9.0	121.0	71.9	1022	0.4	12.4	35.8	841	5.80	2	0.8	2.1	47	11.0	0.1	0.4	156	1.61
N254734	Drill Core	7.76	111	11.8	426.0	55.3	594	0.6	13.6	23.6	743	7.15	6	0.6	1.6	42	5.5	0.1	0.3	161	1.40
N254735	Drill Core	7.75	126	29.9	318.4	32.7	290	0.5	8.2	21.3	86	6.00	3	1.0	2.9	31	5.4	0.2	0.6	143	0.18
N254736	Drill Core	3.36	271	28.3	485.6	28.2	62	0.7	15.6	29.6	71	7.54	1	0.5	1.5	13	0.4	0.4	0.9	231	0.03
N254737	Drill Core	3.61	261	32.8	518.4	25.8	61	0.6	14.4	25.4	70	6.97	2	0.5	1.6	13	0.5	0.4	0.9	225	0.03
N254738	Drill Core	6.64	244	26.9	686.2	39.4	264	0.6	17.7	32.3	214	7.27	<1	0.4	0.3	6	2.7	0.3	0.2	263	0.03
N254739	Drill Core	6.62	211	50.0	329.7	41.4	72	0.6	5.9	11.3	40	7.12	9	0.6	2.0	18	0.7	0.4	0.7	234	0.03
N254740	Drill Core	7.46	198	40.0	353.7	110.2	26	0.2	11.6	20.8	24	7.10	42	0.7	2.0	407	0.2	1.1	5.0	174	0.07
N254741	Drill Core	7.46	145	23.1	607.1	44.9	55	0.5	14.4	34.1	42	8.29	8	0.4	1.6	68	0.4	0.2	2.5	211	0.04
N254742	Drill Core	6.84	136	21.1	703.0	73.0	31	0.5	18.5	30.9	30	7.69	8	0.4	1.3	166	0.2	0.5	3.7	254	0.06
N254743	Rock	1.67	2	<0.1	0.6	0.3	<1	<0.1	0.7	<0.2	28	0.04	2	1.5	<0.1	4136	<0.1	<0.1	<0.1	3	38.55
N254744	Drill Core	7.06	171	39.2	1221.5	47.8	27	0.3	18.0	25.4	28	7.21	14	0.6	1.6	234	0.2	1.0	11.3	255	0.08
N254745	Drill Core	7.28	175	38.3	576.1	65.6	34	0.4	15.4	26.2	25	7.23	7	0.5	1.4	210	0.2	0.4	5.9	224	0.11
N254746	Drill Core	7.21	218	25.2	801.1	54.5	30	0.4	14.4	22.3	26	7.13	11	0.7	1.8	237	0.3	0.8	6.1	227	0.08
N254747	Drill Core	7.85	229	45.7	852.8	22.3	43	0.3	13.3	27.5	36	7.92	4	0.5	1.5	102	0.3	0.3	4.1	204	0.06
N254748	Drill Core	7.16	360	60.6	544.5	156.8	42	0.5	17.2	31.3	30	9.06	15	0.6	1.8	218	0.5	0.6	5.6	211	0.08
N254749	Drill Core	7.43	139	48.1	191.3	150.9	24	0.1	9.8	20.7	25	7.56	8	0.5	1.5	431	0.2	0.3	4.8	90	0.05
N254750	Rock Pulp	0.06	196	376.6	1981.0	27.3	62	13.6	15.8	9.7	741	3.72	14	1.0	2.3	420	0.3	36.6	2.1	87	2.74
N254751	Drill Core	8.65	216	42.1	144.8	153.0	33	<0.1	15.3	29.0	30	6.66	10	0.4	1.2	675	0.3	0.4	3.4	102	0.08
N254752	Drill Core	7.28	250	76.0	352.9	125.0	29	0.1	15.5	26.1	28	8.70	33	0.3	1.3	446	0.2	2.0	2.8	189	0.09
N254753	Drill Core	8.46	304	99.1	1509.5	55.1	44	0.3	10.3	22.1	33	7.88	25	0.4	1.6	249	0.3	1.0	7.9	139	0.06



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Project: Hushamu

Report Date: August 28, 2017

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# CERTIFICATE OF ANALYSIS

## VAN17001580.1

Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	1	1	1	1	0.1	0.1
N254724	Rock	0.004	<0.1	<1	1.75	9	0.003	0.08	0.014	<0.01	<0.1	0.7	<1	<0.1	0.2	<0.1	<1	<1	0.4	<0.1	
N254725	Drill Core	0.054	5.5	6	0.85	35	0.138	8.37	0.057	1.16	0.8	31.6	14	20.4	8.0	0.9	<0.1	<1	20	2.3	6.5
N254726	Drill Core	0.039	7.9	8	0.41	45	0.141	10.34	0.043	0.91	0.8	29.6	20	16.3	4.2	1.2	<0.1	<1	16	4.2	6.0
N254727	Drill Core	0.089	8.3	3	1.56	48	0.090	8.81	0.065	1.40	0.3	39.5	20	11.4	9.1	1.0	<0.1	1	16	1.7	5.0
N254728	Drill Core	0.080	8.6	3	2.23	69	0.124	8.04	0.073	1.23	0.4	50.2	20	11.0	9.7	1.2	<0.1	<1	16	2.1	2.9
N254729	Drill Core	0.082	4.8	4	2.09	71	0.155	8.06	0.062	1.57	1.2	43.8	12	11.0	10.2	1.3	0.1	<1	16	1.5	3.6
N254730	Rock Pulp	0.062	16.7	32	0.77	506	0.157	5.89	1.661	1.59	3.9	20.4	24	2.8	9.2	1.7	<0.1	<1	6	11.9	0.6
N254731	Drill Core	0.088	7.7	6	2.61	200	0.220	8.89	0.062	1.22	4.9	51.3	18	6.3	11.3	2.0	0.1	1	16	1.5	2.4
N254732	Drill Core	0.081	5.8	7	2.23	93	0.129	8.94	0.112	1.46	0.7	48.8	13	6.2	9.1	1.1	<0.1	<1	21	1.5	3.6
N254733	Drill Core	0.088	5.2	9	2.91	91	0.170	7.85	0.068	0.82	0.5	54.3	12	5.0	12.4	1.5	<0.1	<1	23	1.4	4.3
N254734	Drill Core	0.091	10.9	10	2.69	114	0.262	8.13	0.053	0.53	0.5	35.7	23	5.5	13.8	2.2	0.1	<1	24	0.8	4.8
N254735	Drill Core	0.051	13.5	7	0.59	85	0.217	8.80	0.037	0.58	0.8	63.3	27	14.3	7.4	2.1	0.2	<1	15	2.7	5.3
N254736	Drill Core	0.018	6.4	13	0.16	48	0.256	9.32	0.014	0.24	1.5	23.5	14	11.6	5.0	1.3	<0.1	<1	25	3.1	8.4
N254737	Drill Core	0.018	5.8	13	0.15	41	0.266	9.07	0.013	0.23	1.2	27.3	13	12.8	4.8	1.5	0.1	<1	24	3.1	7.5
N254738	Drill Core	0.072	3.0	11	1.85	58	0.341	8.57	0.013	0.46	1.0	19.4	6	6.5	3.1	1.7	0.1	<1	28	1.8	6.5
N254739	Drill Core	0.043	7.3	14	0.30	93	0.275	9.08	0.014	0.36	1.0	36.4	17	17.9	3.3	1.9	0.2	<1	19	3.3	3.3
N254740	Drill Core	0.075	10.8	13	0.04	109	0.120	9.59	0.022	0.03	0.5	20.2	24	26.4	2.9	0.7	<0.1	<1	8	5.9	4.6
N254741	Drill Core	0.035	10.5	11	0.05	37	0.208	9.17	0.014	0.06	0.2	20.0	25	5.8	6.6	1.3	<0.1	<1	26	2.2	9.0
N254742	Drill Core	0.061	8.3	13	0.04	34	0.273	9.10	0.013	0.02	0.5	15.8	20	9.7	4.4	1.4	<0.1	<1	17	2.3	8.3
N254743	Rock	0.004	0.6	<1	1.70	8	0.002	0.04	0.003	<0.01	<0.1	0.4	1	<0.1	0.5	<0.1	<0.1	<1	<1	0.2	<0.1
N254744	Drill Core	0.054	8.0	11	0.03	45	0.120	8.66	0.020	0.03	0.3	23.1	19	31.1	3.4	0.7	<0.1	<1	19	2.8	7.3
N254745	Drill Core	0.061	8.7	11	0.04	41	0.131	8.82	0.017	0.03	0.3	19.6	20	12.3	3.2	0.7	<0.1	<1	15	3.0	7.2
N254746	Drill Core	0.067	8.2	13	0.04	48	0.156	9.16	0.024	0.14	0.3	22.1	20	27.3	4.1	0.9	<0.1	<1	19	4.5	6.9
N254747	Drill Core	0.040	5.5	10	0.17	29	0.157	8.56	0.018	1.14	0.2	26.1	13	10.4	4.4	0.9	<0.1	<1	24	1.6	8.5
N254748	Drill Core	0.082	7.1	14	0.05	26	0.135	8.55	0.020	0.21	0.4	22.6	17	23.7	6.6	0.7	<0.1	<1	17	2.9	8.7
N254749	Drill Core	0.055	6.3	8	0.01	50	0.063	7.05	0.022	0.02	0.2	27.9	13	8.7	1.5	0.6	<0.1	<1	5	1.5	8.0
N254750	Rock Pulp	0.053	9.4	18	0.89	797	0.212	7.26	2.229	1.88	1.9	9.9	21	3.0	11.7	2.4	0.2	<1	9	9.0	0.3
N254751	Drill Core	0.071	5.1	12	0.02	43	0.101	8.22	0.018	0.02	0.1	23.2	12	6.5	1.6	0.6	<0.1	<1	5	2.1	7.5
N254752	Drill Core	0.068	7.5	14	0.03	19	0.142	8.20	0.019	0.03	0.2	18.0	17	15.4	1.9	0.8	<0.1	<1	11	1.9	>10
N254753	Drill Core	0.059	7.0	7	0.03	25	0.063	6.91	0.017	0.12	0.2	25.0	16	14.4	2.8	0.5	<0.1	<1	11	1.7	9.0



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Project: Hushamu

Report Date: August 28, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001580.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254724	Rock	<0.1	<0.1	<0.05	0.006	<1	1.6	<0.5
N254725	Drill Core	24.5	1.0	0.42	0.092	10	1.0	1.3
N254726	Drill Core	23.2	1.0	0.66	0.068	16	1.0	1.1
N254727	Drill Core	26.7	1.1	0.56	0.101	4	<0.5	1.9
N254728	Drill Core	17.3	1.5	0.20	0.034	3	<0.5	1.8
N254729	Drill Core	19.4	1.3	0.81	0.072	7	<0.5	1.7
N254730	Rock Pulp	36.0	0.6	0.13	0.360	3	2.8	<0.5
N254731	Drill Core	19.7	1.5	0.45	0.034	6	<0.5	1.4
N254732	Drill Core	16.0	1.4	0.49	0.011	4	<0.5	1.6
N254733	Drill Core	14.5	1.6	1.15	0.011	7	<0.5	1.2
N254734	Drill Core	7.1	1.1	0.55	0.024	8	<0.5	0.7
N254735	Drill Core	8.8	1.8	1.16	0.103	20	0.9	1.0
N254736	Drill Core	5.4	0.7	0.79	0.082	31	1.4	0.5
N254737	Drill Core	4.9	0.8	0.74	0.106	33	1.5	<0.5
N254738	Drill Core	4.9	0.7	0.88	0.196	20	<0.5	1.0
N254739	Drill Core	6.8	1.2	0.55	0.221	29	0.7	0.7
N254740	Drill Core	0.8	0.6	0.35	0.067	36	1.5	<0.5
N254741	Drill Core	1.3	0.7	1.01	0.109	15	1.4	<0.5
N254742	Drill Core	1.3	0.5	0.57	0.071	15	1.6	<0.5
N254743	Rock	0.5	<0.1	<0.05	0.005	<1	3.3	<0.5
N254744	Drill Core	0.9	0.7	0.52	0.162	21	1.4	<0.5
N254745	Drill Core	0.8	0.7	0.46	0.166	18	1.4	<0.5
N254746	Drill Core	3.2	0.7	0.55	0.120	19	1.5	<0.5
N254747	Drill Core	31.9	0.8	0.96	0.215	14	1.2	1.4
N254748	Drill Core	5.1	0.7	0.72	0.297	29	2.8	<0.5
N254749	Drill Core	0.6	0.9	0.34	0.213	15	1.0	<0.5
N254750	Rock Pulp	38.8	0.6	<0.05	0.394	<1	0.9	<0.5
N254751	Drill Core	0.1	0.7	0.27	0.192	11	0.8	<0.5
N254752	Drill Core	0.6	0.5	0.20	0.444	9	1.3	<0.5
N254753	Drill Core	2.8	0.8	0.28	0.638	13	1.7	<0.5



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# CERTIFICATE OF ANALYSIS

## VAN17001580.1

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
N254754	Drill Core	8.00	300	96.5	1348.9	62.4	40	0.3	13.1	20.4	28	7.35	17	0.4	1.4	315	0.3	0.4	6.8	153	0.08
N254755	Drill Core	7.23	285	79.8	534.3	59.0	33	0.5	11.4	18.5	28	8.14	39	0.6	2.2	380	0.3	0.9	6.5	158	0.08
N254756	Drill Core	7.73	165	99.8	796.2	71.6	37	0.2	6.6	17.8	33	6.43	30	1.0	4.4	307	0.3	1.0	1.7	107	0.08
N254757	Drill Core	3.62	152	33.6	832.2	85.4	28	0.1	6.1	20.1	31	6.31	23	0.8	3.8	215	<0.1	0.7	1.1	117	0.07
N254758	Drill Core	3.52	144	41.4	804.8	96.4	29	0.1	6.7	19.2	35	6.31	28	0.8	4.1	242	0.3	0.8	1.2	117	0.08
N254759	Drill Core	8.04	192	59.1	459.7	147.2	27	0.2	5.2	15.8	31	6.45	44	1.1	5.0	357	0.2	1.3	1.8	88	0.08
N254760	Drill Core	7.74	281	86.1	625.2	207.7	29	0.2	7.5	22.1	38	7.37	47	0.9	4.2	315	0.3	2.0	1.9	88	0.06
N254761	Drill Core	7.40	252	61.6	977.6	296.2	29	0.2	6.5	21.8	31	7.27	80	1.0	4.0	260	0.3	2.2	2.7	90	0.06
N254762	Drill Core	8.04	324	49.5	1241.2	67.8	35	0.4	4.6	16.4	29	7.08	8	1.3	3.3	96	0.3	0.2	4.8	92	0.07
N254763	Drill Core	7.92	256	76.6	1112.5	90.3	29	0.3	6.6	21.3	27	7.93	33	1.0	3.9	215	0.1	1.3	2.8	107	0.07
N254764	Drill Core	7.97	282	53.3	1131.4	113.9	29	0.3	7.2	19.6	36	8.31	47	1.0	4.9	304	0.1	2.2	2.7	98	0.07
N254765	Drill Core	7.32	157	64.2	447.6	282.9	22	0.2	4.5	9.6	27	4.57	59	1.2	5.4	403	<0.1	2.4	1.8	73	0.06
N254766	Drill Core	7.72	148	115.2	186.2	158.2	29	<0.1	3.9	10.6	38	4.07	12	1.0	4.5	298	0.3	0.8	1.4	50	0.05
N254767	Rock	2.30	<2	<0.1	1.5	0.8	<1	<0.1	<0.1	<0.2	28	0.04	3	1.3	<0.1	4073	<0.1	<0.1	<0.1	1	39.01
N254768	Drill Core	8.00	166	129.1	406.9	128.7	31	<0.1	6.7	15.4	32	5.52	36	1.2	5.2	236	0.3	2.0	1.4	72	0.08
N254769	Drill Core	7.63	251	70.2	951.7	74.7	42	0.2	8.0	15.4	22	5.94	36	1.4	4.8	132	0.3	1.2	4.2	126	0.09
N254770	Drill Core	7.54	308	69.6	1119.3	22.4	28	0.2	8.5	14.8	26	6.12	16	0.9	2.7	50	0.2	0.2	3.9	164	0.08
N254771	Drill Core	8.24	295	97.0	1259.7	51.7	29	0.2	9.2	16.5	29	6.63	17	0.9	2.7	79	0.2	0.3	3.7	162	0.10
N254772	Drill Core	8.01	265	132.3	1381.5	44.1	22	0.2	10.0	20.3	22	5.90	13	1.0	3.1	83	0.2	0.2	3.4	158	0.08
N254773	Drill Core	7.07	227	61.4	963.1	68.9	37	0.1	7.3	18.6	29	4.42	27	1.3	4.4	271	0.1	0.7	1.5	109	0.07
N254774	Drill Core	7.65	127	59.6	567.2	135.9	44	<0.1	8.2	17.6	30	5.12	22	1.3	5.1	218	0.2	1.3	1.3	90	0.06
N254775	Rock Pulp	0.05	626	329.8	3854.4	28.6	105	14.6	24.4	67.3	1482	4.63	1944	2.3	1.5	439	0.8	45.1	15.2	58	6.01
N254776	Drill Core	7.13	88	89.4	417.1	65.5	28	<0.1	10.7	24.3	32	6.16	19	1.1	4.6	169	0.3	0.8	0.6	90	0.06
N254777	Drill Core	8.34	100	107.1	778.9	56.7	28	<0.1	4.9	17.4	25	3.79	14	1.5	5.7	227	0.2	0.6	0.5	74	0.08
N254778	Drill Core	7.06	126	78.9	1285.2	31.0	37	<0.1	7.2	19.9	35	5.43	24	1.5	5.4	134	<0.1	1.0	0.6	71	0.06
N254779	Drill Core	8.07	263	75.1	537.1	21.8	33	<0.1	6.5	15.4	26	5.00	23	1.3	5.1	115	0.3	0.8	1.0	60	0.07
N254780	Drill Core	8.51	202	86.3	833.8	62.3	34	<0.1	8.8	34.4	29	6.80	38	1.7	6.2	130	0.3	1.3	2.0	76	0.06
N254781	Drill Core	8.01	201	78.5	1474.5	53.6	32	<0.1	6.2	17.2	25	5.23	15	1.8	6.0	105	0.1	0.8	1.3	90	0.07
N254782	Drill Core	7.92	190	150.8	2747.5	103.4	28	<0.1	5.0	9.5	28	2.89	30	2.2	6.5	152	0.2	1.1	1.2	92	0.08
N254783	Drill Core	8.09	195	90.8	2346.4	158.0	17	<0.1	8.2	17.9	21	4.85	11	1.5	5.0	228	<0.1	0.6	1.4	121	0.08



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Report Date: August 28, 2017

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# CERTIFICATE OF ANALYSIS

# VAN17001580.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S		
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	1	0.1	0.1	0.1
N254754	Drill Core	0.075	6.6	11	0.06	25	0.106	8.69	0.018	0.43	0.1	25.6	16	10.7	3.9	0.6	<0.1	<1	17	2.4	8.5	
N254755	Drill Core	0.087	6.6	14	0.03	31	0.121	9.07	0.016	0.13	0.2	34.9	16	9.2	3.1	0.8	<0.1	<1	14	2.0	7.6	
N254756	Drill Core	0.064	11.6	8	0.02	55	0.070	8.12	0.014	0.04	0.2	64.1	26	15.9	2.6	1.0	<0.1	<1	10	1.9	7.1	
N254757	Drill Core	0.061	8.8	8	0.02	23	0.077	7.74	0.014	0.04	0.2	56.8	20	10.6	1.9	1.0	<0.1	<1	8	2.0	7.0	
N254758	Drill Core	0.063	9.4	9	0.02	28	0.066	8.19	0.014	0.05	0.2	57.8	22	10.9	2.0	0.8	<0.1	<1	9	2.3	6.8	
N254759	Drill Core	0.080	13.0	5	0.02	34	0.054	7.92	0.016	0.05	0.3	79.0	29	17.5	2.4	0.9	<0.1	<1	7	2.1	6.7	
N254760	Drill Core	0.064	11.4	7	0.02	21	0.054	7.08	0.015	0.04	0.2	59.8	26	22.7	2.1	0.8	<0.1	<1	6	2.1	8.0	
N254761	Drill Core	0.065	14.1	5	0.02	20	0.045	6.91	0.014	0.06	0.2	58.6	31	25.3	2.5	0.7	<0.1	<1	8	2.1	7.8	
N254762	Drill Core	0.057	8.8	5	0.17	23	0.065	7.57	0.016	1.38	0.2	67.2	22	15.7	4.3	0.9	<0.1	<1	14	1.4	7.7	
N254763	Drill Core	0.057	11.9	5	0.01	28	0.049	7.03	0.013	0.06	0.1	56.7	26	16.4	3.6	0.7	<0.1	<1	8	1.8	8.7	
N254764	Drill Core	0.055	14.4	7	0.01	20	0.051	7.31	0.013	0.04	0.2	57.5	34	27.7	2.3	0.8	<0.1	<1	9	1.6	9.0	
N254765	Drill Core	0.067	13.0	6	0.01	88	0.049	7.10	0.013	0.04	0.2	71.7	27	19.7	2.3	0.8	<0.1	<1	7	1.8	4.7	
N254766	Drill Core	0.050	13.6	5	0.01	73	0.042	6.40	0.015	0.04	0.3	61.2	28	10.0	1.8	0.9	<0.1	<1	4	2.0	4.3	
N254767	Rock	0.003	0.6	<1	1.91	6	0.001	0.05	0.003	<0.01	<0.1	12.5	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.3	<0.1	
N254768	Drill Core	0.057	14.8	6	0.02	33	0.045	7.68	0.015	0.05	0.2	72.1	32	18.9	2.3	0.8	<0.1	<1	6	2.2	6.0	
N254769	Drill Core	0.056	10.6	9	0.05	58	0.086	8.41	0.013	0.29	<0.1	73.3	25	14.9	5.8	1.0	<0.1	<1	11	2.4	6.6	
N254770	Drill Core	0.078	6.6	7	0.13	73	0.152	9.50	0.017	1.20	0.1	43.4	16	6.3	4.8	1.4	<0.1	<1	17	1.3	6.8	
N254771	Drill Core	0.077	8.5	8	0.08	67	0.131	9.39	0.015	0.84	0.2	41.1	20	5.8	4.5	1.2	<0.1	<1	17	2.1	7.3	
N254772	Drill Core	0.068	9.8	11	0.07	66	0.111	9.12	0.020	0.72	0.2	49.1	23	8.0	4.7	1.1	<0.1	<1	15	2.1	6.5	
N254773	Drill Core	0.062	9.2	8	0.03	109	0.082	8.34	0.015	0.04	0.2	82.2	21	8.3	3.6	1.1	<0.1	<1	7	2.5	4.8	
N254774	Drill Core	0.054	12.6	6	0.02	53	0.074	7.29	0.015	0.05	0.3	99.1	27	14.6	2.6	1.3	<0.1	<1	5	2.1	5.6	
N254775	Rock Pulp	0.063	16.3	32	0.78	763	0.154	5.74	1.706	1.69	3.8	21.9	25	3.3	9.2	1.7	<0.1	<1	6	13.6	0.6	
N254776	Drill Core	0.049	12.3	7	0.01	34	0.054	7.67	0.018	0.05	0.4	74.2	27	14.9	2.2	1.1	<0.1	<1	5	2.4	6.7	
N254777	Drill Core	0.067	19.6	5	0.02	91	0.073	7.90	0.025	0.05	0.3	98.3	39	19.5	2.6	1.4	<0.1	<1	5	1.9	4.2	
N254778	Drill Core	0.052	19.0	6	0.03	50	0.063	7.21	0.018	0.05	0.3	99.2	38	31.8	2.8	1.2	<0.1	<1	5	1.9	6.0	
N254779	Drill Core	0.058	13.7	6	0.02	46	0.074	6.72	0.023	0.05	0.3	83.4	28	27.8	2.7	1.4	0.1	<1	5	1.0	5.3	
N254780	Drill Core	0.054	20.2	7	0.03	32	0.084	6.93	0.025	0.06	0.4	116.3	40	45.3	3.5	1.6	0.1	<1	5	0.7	7.5	
N254781	Drill Core	0.064	19.6	6	0.03	73	0.092	7.67	0.017	0.05	0.4	111.8	41	21.3	3.6	1.5	0.1	<1	8	1.4	5.7	
N254782	Drill Core	0.057	17.6	7	0.03	105	0.129	8.11	0.015	0.04	0.7	116.7	37	50.1	3.4	2.1	0.2	<1	11	2.1	3.1	
N254783	Drill Core	0.072	20.5	7	0.02	64	0.117	7.84	0.018	0.04	0.5	99.1	47	15.5	3.2	1.3	<0.1	<1	9	1.4	5.4	



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# CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254754	Drill Core	12.9	0.9	0.53	0.764	8	1.5	<0.5
N254755	Drill Core	2.9	1.0	0.28	0.273	18	1.3	<0.5
N254756	Drill Core	1.1	2.0	0.24	0.592	10	0.8	<0.5
N254757	Drill Core	1.8	1.8	0.15	0.170	10	0.5	<0.5
N254758	Drill Core	1.6	1.9	0.19	0.192	8	<0.5	<0.5
N254759	Drill Core	1.5	2.4	0.21	0.265	8	1.1	<0.5
N254760	Drill Core	1.4	1.9	0.21	0.485	10	1.2	<0.5
N254761	Drill Core	1.8	1.8	0.40	0.376	8	1.3	<0.5
N254762	Drill Core	36.6	2.0	1.07	0.377	8	0.9	1.0
N254763	Drill Core	1.2	1.7	0.47	0.460	8	1.3	<0.5
N254764	Drill Core	1.2	1.7	0.30	0.264	8	0.9	<0.5
N254765	Drill Core	1.2	2.3	0.26	0.326	5	1.3	<0.5
N254766	Drill Core	1.2	1.8	0.12	0.985	4	<0.5	<0.5
N254767	Rock	0.3	<0.1	<0.05	<0.005	<1	1.4	<0.5
N254768	Drill Core	1.3	2.4	0.25	1.109	8	0.7	<0.5
N254769	Drill Core	7.8	2.3	1.04	0.533	6	1.0	<0.5
N254770	Drill Core	32.1	1.3	1.47	0.443	5	0.6	0.9
N254771	Drill Core	22.5	1.2	0.87	0.613	5	1.0	0.7
N254772	Drill Core	17.7	1.5	0.73	0.870	5	0.6	0.6
N254773	Drill Core	1.1	2.4	0.60	0.415	6	1.9	<0.5
N254774	Drill Core	1.4	2.8	0.17	0.241	7	1.0	<0.5
N254775	Rock Pulp	37.6	0.8	0.14	0.380	3	2.7	<0.5
N254776	Drill Core	2.0	2.3	0.11	0.486	6	0.7	<0.5
N254777	Drill Core	2.1	2.9	0.17	0.700	4	0.6	<0.5
N254778	Drill Core	1.6	3.0	0.13	0.488	7	0.6	<0.5
N254779	Drill Core	1.7	2.6	0.11	0.375	8	<0.5	<0.5
N254780	Drill Core	1.6	3.4	0.11	0.512	11	0.6	<0.5
N254781	Drill Core	1.5	3.3	0.20	0.483	21	0.8	<0.5
N254782	Drill Core	1.3	3.8	0.26	1.394	6	1.9	<0.5
N254783	Drill Core	1.1	2.8	0.10	0.493	6	0.5	<0.5



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# CERTIFICATE OF ANALYSIS

# VAN17001580.1

Method Analyte Unit MDL	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
N254784	Drill Core	3.19	180	79.3	605.1	26.2	66	<0.1	5.6	15.8	35	5.41	28	1.4	3.6	271	0.7	1.5	1.1	58	0.07
N254785	Drill Core	3.50	218	89.4	550.3	24.3	58	<0.1	5.5	14.3	32	5.50	27	1.3	3.2	255	0.7	1.6	1.1	58	0.06
N254786	Drill Core	8.03	239	152.5	1347.7	64.0	30	<0.1	13.9	42.3	28	7.21	45	1.7	5.2	180	<0.1	1.9	1.5	105	0.07
N254787	Drill Core	8.64	252	134.7	1416.9	185.8	19	<0.1	14.7	25.9	19	6.50	12	1.7	4.4	156	0.1	0.6	1.9	133	0.06
N254788	Drill Core	8.22	288	86.6	839.1	93.8	17	<0.1	12.4	24.9	22	5.62	17	2.1	5.4	177	0.1	0.5	1.4	125	0.08
N254789	Drill Core	7.91	211	93.7	596.5	133.9	22	<0.1	12.8	25.4	28	6.20	10	1.7	5.1	213	<0.1	0.8	1.8	97	0.06
N254790	Drill Core	8.29	211	76.5	1412.5	51.9	22	<0.1	9.3	17.2	25	6.38	12	2.1	6.1	125	0.2	0.8	1.4	92	0.06
N254791	Drill Core	8.34	246	132.1	3180.9	26.9	29	<0.1	6.3	20.8	28	5.65	27	1.9	6.6	117	0.3	1.6	1.5	80	0.06
N254792	Drill Core	8.29	176	148.9	1760.5	21.4	19	<0.1	7.7	23.7	27	5.77	20	1.9	5.4	95	0.2	0.8	1.9	89	0.07
N254793	Drill Core	7.74	224	110.1	1811.8	21.9	23	<0.1	7.7	19.2	32	6.27	11	1.8	5.8	114	0.1	0.4	1.3	77	0.07
N254794	Rock	1.81	2	0.1	1.5	0.3	<1	<0.1	1.1	0.4	27	0.03	<1	1.4	<0.1	4653	<0.1	<0.1	<0.1	1	38.46
N254795	Drill Core	7.79	249	269.2	1048.8	19.5	26	<0.1	6.3	24.9	29	5.90	15	1.9	6.3	159	0.4	0.7	2.1	74	0.10
N254796	Drill Core	7.99	196	93.9	1711.7	27.3	20	0.1	8.3	20.4	24	6.15	28	1.7	5.9	221	0.3	1.5	2.9	120	0.09
N254797	Drill Core	7.12	230	123.8	1435.5	148.4	17	0.1	8.3	20.3	24	6.42	29	1.6	5.3	229	0.2	1.4	2.6	137	0.11
N254798	Drill Core	9.29	176	102.9	960.0	79.0	18	0.2	7.8	15.5	23	6.30	22	1.5	4.9	155	0.2	1.8	2.3	100	0.07
N254612	Drill Core	4.06	230	86.3	620.1	44.3	66	0.3	12.3	30.1	36	8.82	96	1.2	4.3	94	0.4	1.4	3.0	60	0.08
N254643	Drill Core	3.36	171	84.0	293.1	20.7	20	<0.1	1.2	6.7	23	1.25	53	0.6	2.5	101	0.1	1.0	0.5	34	0.05
N254659	Drill Core	3.77	135	41.9	294.6	9.5	9	<0.1	3.7	15.4	21	3.35	34	1.6	4.4	25	<0.1	0.7	1.0	46	0.05
N254679	Drill Core	3.51	54	34.9	63.6	11.1	13	<0.1	0.2	0.6	23	0.28	7	0.3	5.5	38	<0.1	0.2	0.1	59	0.06
N254701	Drill Core	3.71	203	24.6	253.0	7.4	7	<0.1	4.9	7.1	21	2.12	3	0.5	3.2	31	<0.1	0.1	0.3	64	0.08
N254720	Drill Core	4.31	85	54.9	230.8	3.3	10	<0.1	2.1	5.4	20	1.29	4	0.5	3.2	31	<0.1	<0.1	0.2	69	0.04
N254799	Rock Pulp	0.06	8	1.5	50.4	7.7	54	<0.1	7.0	14.1	876	3.69	3	0.8	2.1	417	<0.1	0.3	<0.1	135	4.24
N254800	Rock Pulp	0.06	17	1.9	48.9	7.1	50	<0.1	6.8	14.2	875	3.67	2	0.9	2.1	416	<0.1	0.2	<0.1	133	4.20
N254801	Rock Pulp	0.06	3	1.9	52.1	7.8	54	<0.1	7.4	14.1	893	3.75	3	0.8	2.1	466	<0.1	0.3	<0.1	134	4.30
N254802	Rock Pulp	0.06	630	335.1	3832.5	27.6	106	14.9	25.1	72.7	1480	4.66	1855	2.3	1.4	433	0.6	45.5	14.1	57	6.12
N254803	Rock Pulp	0.06	2	1.8	54.0	7.8	56	<0.1	7.4	14.3	895	3.81	2	0.9	2.2	443	<0.1	0.3	<0.1	138	4.36





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# CERTIFICATE OF ANALYSIS

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Method	Analyte	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
Unit		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.001	0.1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1
N254784	Drill Core	0.053	11.3	5	0.02	44	0.079	4.30	0.011	0.03	0.4	90.5	24	80.5	2.4	1.0	<0.1	<1	4	1.0	5.8
N254785	Drill Core	0.059	11.8	6	0.02	46	0.083	4.17	0.011	0.03	0.4	85.2	25	66.7	2.4	1.1	<0.1	<1	3	0.9	6.0
N254786	Drill Core	0.056	14.9	14	0.02	45	0.055	7.06	0.017	0.04	0.4	101.5	32	83.4	3.1	0.9	<0.1	<1	6	2.0	8.1
N254787	Drill Core	0.052	16.0	16	0.03	24	0.093	7.27	0.019	0.04	0.5	93.9	36	9.0	3.4	1.2	<0.1	<1	12	1.3	7.1
N254788	Drill Core	0.064	17.5	16	0.03	47	0.127	8.12	0.016	0.04	0.4	110.1	39	10.8	4.0	1.8	0.1	<1	12	1.9	6.1
N254789	Drill Core	0.050	14.1	14	0.02	44	0.088	7.84	0.015	0.04	0.3	105.3	31	22.9	3.6	1.3	<0.1	<1	7	1.9	6.8
N254790	Drill Core	0.051	19.2	10	0.03	61	0.070	7.48	0.022	0.05	0.2	118.4	42	29.6	3.7	1.2	<0.1	<1	6	1.5	6.9
N254791	Drill Core	0.046	19.1	5	0.02	50	0.065	7.13	0.018	0.06	0.4	113.4	40	75.6	3.6	1.3	<0.1	<1	6	2.3	6.2
N254792	Drill Core	0.060	17.9	8	0.02	55	0.093	7.29	0.028	0.05	0.3	120.7	36	12.1	3.3	1.6	0.1	<1	8	1.9	6.2
N254793	Drill Core	0.056	21.2	7	0.02	65	0.106	7.85	0.016	0.05	0.3	103.1	45	10.4	3.7	1.6	0.1	<1	5	3.8	6.7
N254794	Rock	0.003	0.2	<1	1.90	6	<0.001	0.03	0.003	<0.01	<0.1	0.4	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.5	<0.1
N254795	Drill Core	0.056	20.3	7	0.02	57	0.063	8.24	0.014	0.04	0.3	107.4	39	11.6	3.3	1.1	<0.1	<1	5	3.6	6.3
N254796	Drill Core	0.080	18.5	8	0.02	62	0.125	9.21	0.021	0.03	0.7	94.7	36	17.0	3.0	1.7	0.1	<1	8	4.2	6.8
N254797	Drill Core	0.080	18.7	8	0.02	75	0.109	9.38	0.019	0.03	0.2	83.3	38	12.9	3.1	1.4	0.1	<1	8	5.0	7.0
N254798	Drill Core	0.056	14.2	8	0.02	61	0.108	7.90	0.028	0.03	0.3	99.3	30	12.8	3.0	1.3	0.1	<1	7	3.4	6.9
N254612	Drill Core	0.051	10.3	9	0.02	38	0.104	5.50	0.013	0.03	0.2	90.5	21	7.2	3.8	1.7	0.1	<1	4	1.1	9.2
N254643	Drill Core	0.052	10.1	5	<0.01	36	0.114	6.42	0.018	0.02	0.3	44.5	20	17.0	1.4	2.0	0.1	<1	1	2.0	1.3
N254659	Drill Core	0.039	11.5	4	<0.01	26	0.107	6.96	0.015	0.02	0.3	64.7	24	24.8	2.6	2.7	0.3	<1	1	1.1	3.2
N254679	Drill Core	0.059	15.3	12	<0.01	30	0.238	5.25	0.017	0.02	0.2	12.8	31	15.5	1.1	3.3	0.1	<1	1	0.8	<0.1
N254701	Drill Core	0.072	12.2	26	0.01	24	0.118	6.81	0.018	0.03	0.1	40.8	24	7.5	1.0	1.4	<0.1	<1	2	1.1	2.3
N254720	Drill Core	0.044	11.0	12	<0.01	13	0.157	5.09	0.010	0.01	0.2	29.9	22	9.0	1.0	1.7	<0.1	<1	2	1.1	1.3
N254799	Rock Pulp	0.054	8.8	9	1.36	549	0.303	7.35	2.513	1.11	3.3	16.0	20	0.7	17.6	3.0	0.2	<1	16	7.1	<0.1
N254800	Rock Pulp	0.054	10.0	10	1.39	562	0.288	7.64	2.492	1.07	3.0	15.2	23	0.8	17.7	2.8	0.2	<1	16	6.7	<0.1
N254801	Rock Pulp	0.053	9.4	10	1.39	559	0.303	7.97	2.524	1.19	3.1	16.4	21	0.7	19.2	3.0	0.2	<1	17	6.7	<0.1
N254802	Rock Pulp	0.060	17.0	34	0.78	728	0.154	5.85	1.701	1.65	3.8	20.9	24	3.3	8.6	1.7	<0.1	<1	6	11.9	0.6
N254803	Rock Pulp	0.055	9.3	10	1.41	556	0.312	7.64	2.550	1.18	3.2	18.1	22	0.9	18.8	3.1	0.2	<1	16	7.9	<0.1



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Project: Hushamu

Report Date: August 28, 2017

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# CERTIFICATE OF ANALYSIS

VAN17001580.1

Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
N254784	Drill Core	0.9	2.6	0.24	0.465	10	0.5	<0.5
N254785	Drill Core	0.9	2.4	0.20	0.529	9	0.8	<0.5
N254786	Drill Core	1.0	2.8	0.28	0.850	10	1.2	<0.5
N254787	Drill Core	1.2	2.6	0.19	0.813	8	0.9	<0.5
N254788	Drill Core	1.2	3.0	0.18	0.547	4	<0.5	<0.5
N254789	Drill Core	1.2	3.0	0.19	0.588	6	0.7	<0.5
N254790	Drill Core	1.6	3.4	0.18	0.359	4	<0.5	<0.5
N254791	Drill Core	1.6	3.4	0.25	0.614	7	1.1	<0.5
N254792	Drill Core	1.6	3.2	0.11	1.275	6	0.7	<0.5
N254793	Drill Core	1.6	3.1	0.15	0.849	7	0.7	<0.5
N254794	Rock	0.3	<0.1	<0.05	<0.005	<1	2.1	<0.5
N254795	Drill Core	1.2	3.1	0.10	1.604	10	0.7	<0.5
N254796	Drill Core	1.4	2.7	0.25	0.607	6	2.0	<0.5
N254797	Drill Core	1.1	2.4	0.27	0.922	8	2.6	<0.5
N254798	Drill Core	1.0	3.0	0.18	0.590	6	1.3	<0.5
N254612	Drill Core	0.8	2.5	0.29	0.459	6	1.6	<0.5
N254643	Drill Core	0.9	1.4	0.11	0.426	6	0.8	<0.5
N254659	Drill Core	0.8	2.3	<0.05	0.234	8	<0.5	<0.5
N254679	Drill Core	0.8	0.5	<0.05	0.185	<1	<0.5	<0.5
N254701	Drill Core	0.6	1.0	0.06	0.154	3	<0.5	<0.5
N254720	Drill Core	0.4	1.0	<0.05	0.433	3	<0.5	<0.5
N254799	Rock Pulp	11.0	0.9	<0.05	<0.005	<1	<0.5	<0.5
N254800	Rock Pulp	14.8	0.8	<0.05	<0.005	<1	<0.5	<0.5
N254801	Rock Pulp	13.6	0.8	<0.05	<0.005	<1	<0.5	<0.5
N254802	Rock Pulp	35.4	0.6	0.09	0.372	3	2.5	<0.5
N254803	Rock Pulp	14.1	1.0	<0.05	<0.005	<1	<0.5	<0.5



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# QUALITY CONTROL REPORT

## VAN17001580.1

Method	WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
N254734	Drill Core	7.76	111	11.8	426.0	55.3	594	0.6	13.6	23.6	743	7.15	6	0.6	1.6	42	5.5	0.1	0.3	161	1.40
REP N254734	QC	115																			
N254754	Drill Core	8.00	300	96.5	1348.9	62.4	40	0.3	13.1	20.4	28	7.35	17	0.4	1.4	315	0.3	0.4	6.8	153	0.08
REP N254754	QC	93.3 1325.6 63.2 43 0.3 13.1 19.7 27 7.39 21 0.4 1.5 324 0.3 0.3 7.4 152 0.08																			
N254767	Rock	2.30	<2	<0.1	1.5	0.8	<1	<0.1	<0.1	<0.2	28	0.04	3	1.3	<0.1	4073	<0.1	<0.1	<0.1	1	39.01
REP N254767	QC	<2																			
REP N254789	QC	88.7 558.5 121.5 19 <0.1 11.4 24.6 28 6.23 10 1.6 4.8 190 <0.1 0.8 1.7 95 0.06																			
N254643	Drill Core	3.36	171	84.0	293.1	20.7	20	<0.1	1.2	6.7	23	1.25	53	0.6	2.5	101	0.1	1.0	0.5	34	0.05
REP N254643	QC	182																			
N254802	Rock Pulp	0.06	630	335.1	3832.5	27.6	106	14.9	25.1	72.7	1480	4.66	1855	2.3	1.4	433	0.6	45.5	14.1	57	6.12
REP N254802	QC	329.0 3885.0 27.6 99 15.1 27.4 75.4 1504 4.69 1882 2.2 1.3 432 0.8 44.1 14.3 58 6.12																			
Core Reject Duplicates																					
N254755	Drill Core	7.23	285	79.8	534.3	59.0	33	0.5	11.4	18.5	28	8.14	39	0.6	2.2	380	0.3	0.9	6.5	158	0.08
DUP N254755	QC	279 81.8 559.7 63.5 36 0.5 12.9 20.5 25 8.89 43 0.7 2.4 412 0.3 1.2 7.6 162 0.09																			
N254789	Drill Core	7.91	211	93.7	596.5	133.9	22	<0.1	12.8	25.4	28	6.20	10	1.7	5.1	213	<0.1	0.8	1.8	97	0.06
DUP N254789	QC	226 87.4 628.5 134.6 21 <0.1 12.7 26.4 26 6.33 11 1.7 5.0 213 <0.1 0.9 1.8 95 0.06																			
Reference Materials																					
STD OREAS25A-4A	Standard	2.3 32.3 27.7 48 <0.1 46.1 7.7 492 6.53 10 2.9 16.3 51 <0.1 0.6 0.4 161 0.30																			
STD OREAS25A-4A	Standard	2.6 34.1 28.2 50 <0.1 46.4 7.5 480 6.47 10 3.1 17.5 53 <0.1 0.5 0.4 161 0.29																			
STD OREAS25A-4A	Standard	2.4 33.9 25.9 40 <0.1 46.9 8.3 473 6.66 9 2.9 14.9 46 <0.1 0.6 0.4 158 0.27																			
STD OREAS45E	Standard	2.7 792.8 20.8 49 0.3 479.9 58.5 583 25.38 19 2.8 15.6 18 <0.1 1.2 0.3 330 0.07																			
STD OREAS45E	Standard	2.4 799.6 20.2 46 0.3 492.2 59.2 575 24.34 17 2.8 15.4 17 <0.1 1.0 0.3 333 0.07																			
STD OREAS45E	Standard	2.0 792.5 19.8 44 0.3 482.6 63.6 572 26.03 15 2.6 13.7 17 <0.1 1.0 0.3 326 0.06																			
STD OXC145	Standard	212																			
STD OXC145	Standard	209																			
STD OXC145	Standard	220																			
STD OXH122	Standard	1232																			
STD OXH122	Standard	1177																			



# QUALITY CONTROL REPORT

VAN17001580.1

Method	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
Pulp Duplicates																					
N254734	Drill Core	0.091	10.9	10	2.69	114	0.262	8.13	0.053	0.53	0.5	35.7	23	5.5	13.8	2.2	0.1	<1	24	0.8	4.8
REP N254734	QC																				
N254754	Drill Core	0.075	6.6	11	0.06	25	0.106	8.69	0.018	0.43	0.1	25.6	16	10.7	3.9	0.6	<0.1	<1	17	2.4	8.5
REP N254754	QC	0.070	6.3	11	0.06	46	0.104	8.71	0.018	0.45	0.1	26.8	15	11.5	4.2	0.6	<0.1	<1	18	2.4	8.3
N254767	Rock	0.003	0.6	<1	1.91	6	0.001	0.05	0.003	<0.01	<0.1	12.5	<1	<0.1	0.3	<0.1	<0.1	<1	<1	0.3	<0.1
REP N254767	QC																				
REP N254789	QC	0.051	14.2	14	0.02	60	0.083	7.61	0.015	0.03	0.3	98.9	32	21.0	3.2	1.2	<0.1	<1	7	1.8	6.8
N254643	Drill Core	0.052	10.1	5	<0.01	36	0.114	6.42	0.018	0.02	0.3	44.5	20	17.0	1.4	2.0	0.1	<1	1	2.0	1.3
REP N254643	QC																				
N254802	Rock Pulp	0.060	17.0	34	0.78	728	0.154	5.85	1.701	1.65	3.8	20.9	24	3.3	8.6	1.7	<0.1	<1	6	11.9	0.6
REP N254802	QC	0.064	17.1	34	0.78	746	0.153	5.91	1.717	1.63	4.0	20.4	25	3.0	8.8	1.6	<0.1	<1	6	11.4	0.6
Core Reject Duplicates																					
N254755	Drill Core	0.087	6.6	14	0.03	31	0.121	9.07	0.016	0.13	0.2	34.9	16	9.2	3.1	0.8	<0.1	<1	14	2.0	7.6
DUP N254755	QC	0.084	6.4	14	0.03	27	0.123	9.16	0.015	0.14	0.2	38.2	16	10.2	3.2	0.9	<0.1	<1	14	2.2	8.6
N254789	Drill Core	0.050	14.1	14	0.02	44	0.088	7.84	0.015	0.04	0.3	105.3	31	22.9	3.6	1.3	<0.1	<1	7	1.9	6.8
DUP N254789	QC	0.050	14.4	14	0.02	45	0.078	7.64	0.015	0.04	0.2	100.1	32	22.0	3.4	1.1	<0.1	<1	7	2.1	7.0
Reference Materials																					
STD OREAS25A-4A	Standard	0.052	21.3	113	0.33	156	0.937	9.37	0.138	0.52	2.0	157.0	49	4.1	10.7	19.6	1.5	<1	13	37.3	<0.1
STD OREAS25A-4A	Standard	0.052	22.7	105	0.34	160	0.946	9.19	0.137	0.50	2.2	160.7	51	4.5	11.9	20.0	1.6	1	13	39.0	<0.1
STD OREAS25A-4A	Standard	0.046	21.1	123	0.33	152	0.976	9.11	0.130	0.47	1.8	148.5	46	4.2	9.8	19.9	1.5	<1	12	38.4	<0.1
STD OREAS45E	Standard	0.035	11.9	979	0.17	284	0.548	6.97	0.056	0.37	1.1	106.2	26	1.5	8.8	6.6	0.6	<1	102	7.1	<0.1
STD OREAS45E	Standard	0.034	12.7	984	0.17	297	0.545	7.09	0.057	0.33	1.0	99.6	28	1.4	8.5	6.2	0.5	1	95	7.0	<0.1
STD OREAS45E	Standard	0.032	12.9	1035	0.16	264	0.575	7.21	0.053	0.34	1.1	97.6	27	1.2	8.5	6.2	0.5	<1	93	7.0	<0.1
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXC145	Standard																				
STD OXH122	Standard																				
STD OXH122	Standard																				



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# QUALITY CONTROL REPORT

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Method Analyte	Unit	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Rb	Hf	In	Re	Se	Te	Tl
MDL	MDL	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.1	0.05	0.005	1	0.5	0.5
Pulp Duplicates								
N254734	Drill Core	7.1	1.1	0.55	0.024	8	<0.5	0.7
REP N254734	QC							
N254754	Drill Core	12.9	0.9	0.53	0.764	8	1.5	<0.5
REP N254754	QC	11.3	0.8	0.58	0.888	8	1.3	<0.5
N254767	Rock	0.3	<0.1	<0.05	<0.005	<1	1.4	<0.5
REP N254767	QC							
REP N254789	QC	1.1	2.7	0.18	0.551	5	0.9	<0.5
N254643	Drill Core	0.9	1.4	0.11	0.426	6	0.8	<0.5
REP N254643	QC							
N254802	Rock Pulp	35.4	0.6	0.09	0.372	3	2.5	<0.5
REP N254802	QC	37.8	0.7	0.12	0.358	4	2.4	<0.5
Core Reject Duplicates								
N254755	Drill Core	2.9	1.0	0.28	0.273	18	1.3	<0.5
DUP N254755	QC	3.2	1.1	0.36	0.289	14	1.6	<0.5
N254789	Drill Core	1.2	3.0	0.19	0.588	6	0.7	<0.5
DUP N254789	QC	1.2	2.9	0.16	0.602	7	0.8	<0.5
Reference Materials								
STD OREAS25A-4A	Standard	64.2	4.6	0.10	<0.005	1	<0.5	<0.5
STD OREAS25A-4A	Standard	66.3	4.9	0.10	<0.005	1	<0.5	<0.5
STD OREAS25A-4A	Standard	56.9	4.2	0.06	<0.005	3	<0.5	<0.5
STD OREAS45E	Standard	23.5	3.3	0.13	<0.005	2	<0.5	<0.5
STD OREAS45E	Standard	20.8	3.1	0.10	<0.005	1	<0.5	<0.5
STD OREAS45E	Standard	21.7	2.9	0.08	<0.005	2	<0.5	<0.5
STD OXC145	Standard							
STD OXC145	Standard							
STD OXC145	Standard							
STD OXH122	Standard							
STD OXH122	Standard							



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# QUALITY CONTROL REPORT

VAN17001580.1

		WGHT	FA350	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	1	0.1	0.1	0.1	1	0.01
STD OXH122	Standard		1199																		
STD OXC145 Expected			212																		
STD OXH122 Expected			1247																		
STD OREAS25A-4A Expected				2.55	33.9	26.6	44.4		45.8	8.2	500	6.7	10.7	2.94	15.8	48.5		0.67	0.35	163	0.283
STD OREAS45E Expected				2.4	780	18.2	46.7	0.311	454	57	570	24.12	16.3	2.41	12.9	15.9	0.06	1	0.28	322	0.065
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			0.1	0.3	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank			<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-VAN	Prep Blank		4	0.7	6.5	8.2	51	<0.1	1.6	4.2	744	2.11	12	1.3	3.3	220	<0.1	0.1	<0.1	39	1.52
ROCK-VAN	Prep Blank		<2	0.7	4.9	4.3	44	<0.1	1.2	4.2	729	2.10	7	1.4	3.2	209	<0.1	<0.1	<0.1	38	1.49



# QUALITY CONTROL REPORT

VAN17001580.1

		MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200	MA200		
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S	
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1	0.1	
STD OXH122	Standard																					
STD OXC145	Expected																					
STD OXH122	Expected																					
STD OREAS25A-4A	Expected	0.0495	21.8	120	0.327	151	0.977	8.87	0.134	0.5	2	155	48.9	4.2	10.5	20.9	1.5	0.93	13.7	36.7	0.047	
STD OREAS45E	Expected	0.034	11	979	0.156	252	0.559	6.78	0.059	0.324	1.07	97	23.5	1.32	8.28	6.8	0.54		93	6.58	0.046	
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
BLK	Blank	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1	<0.1	
Prep Wash																						
ROCK-VAN	Prep Blank	0.044	14.5	2	0.56	811	0.239	7.09	3.397	1.63	0.4	57.2	29	1.0	18.1	5.6	0.4	<1	8	3.1	<0.1	
ROCK-VAN	Prep Blank	0.043	14.1	3	0.56	854	0.236	7.04	3.317	1.60	0.4	53.9	27	0.8	17.5	5.7	0.4	1	7	2.7	<0.1	



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Northisle Copper and Gold Inc.  
15th floor - 1040 West Georgia Street  
Vancouver British Columbia V6E 4H1 Canada

Project: Hushamu  
Report Date: August 28, 2017

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Part: 3 of 3

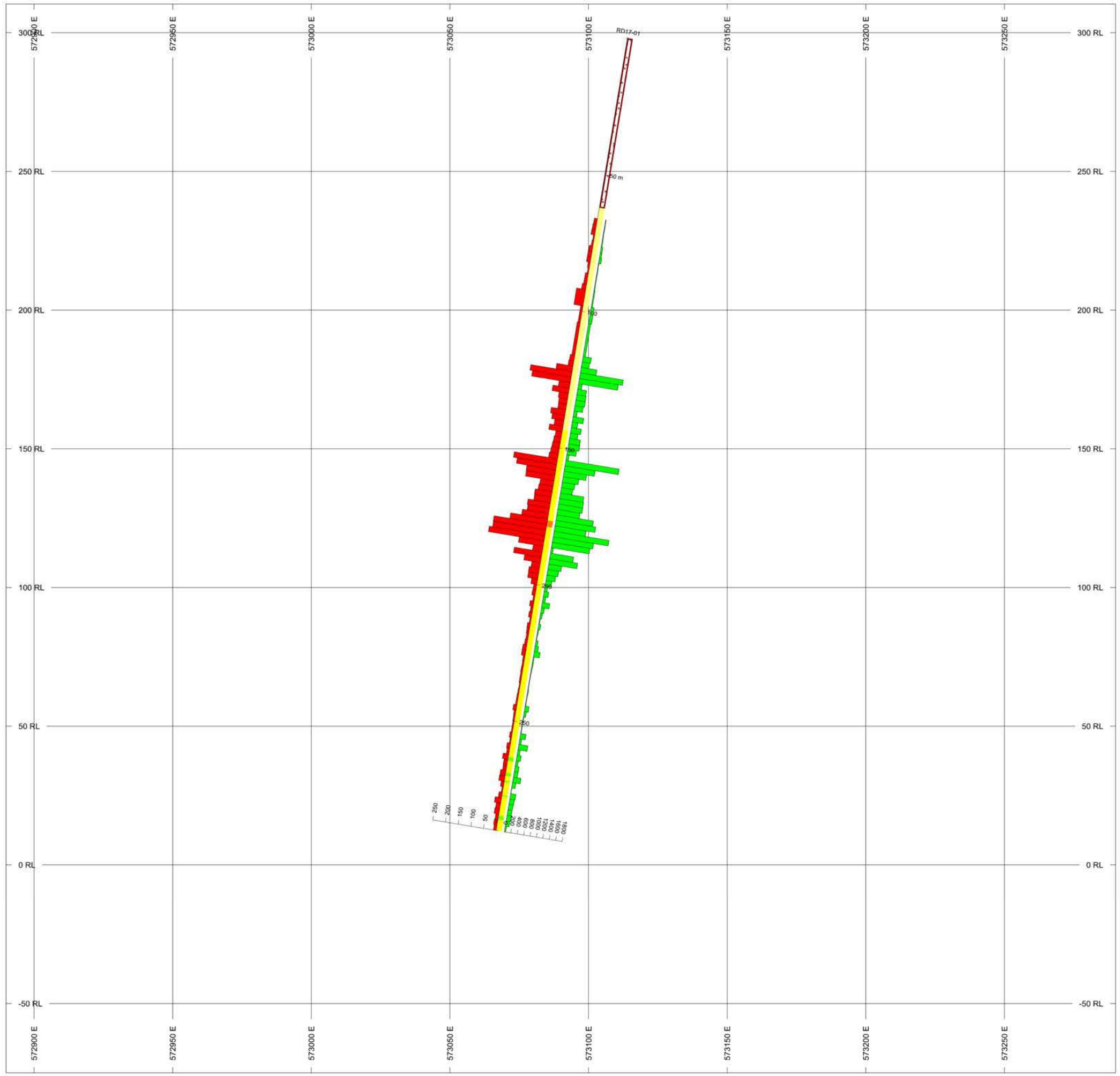
# QUALITY CONTROL REPORT

VAN17001580.1

		MA200 Rb ppm 0.1	MA200 Hf ppm 0.1	MA200 In ppm 0.05	MA200 Re ppm 0.005	MA200 Se ppm 1	MA200 Te ppm 0.5	MA200 Tl ppm 0.5
STD OXH122	Standard							
STD OXC145	Expected							
STD OXH122	Expected							
STD OREAS25A-4A	Expected	61	4.28	0.09		2.5		0.35
STD OREAS45E	Expected	21.2	3.11	0.099		2.97	0.1	0.09
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank	0.2	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.1	<0.1	<0.05	<0.005	<1	<0.5	<0.5
BLK	Blank	0.3	<0.1	<0.05	<0.005	<1	<0.5	<0.5
Prep Wash								
ROCK-VAN	Prep Blank	35.4	2.0	<0.05	<0.005	<1	<0.5	<0.5
ROCK-VAN	Prep Blank	33.0	1.7	<0.05	<0.005	<1	<0.5	<0.5



# **APPENDIX VI: Drill Sections**

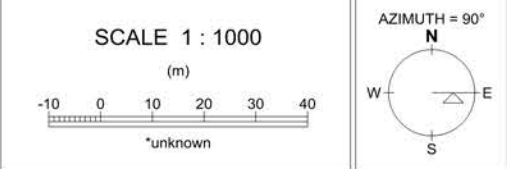


BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

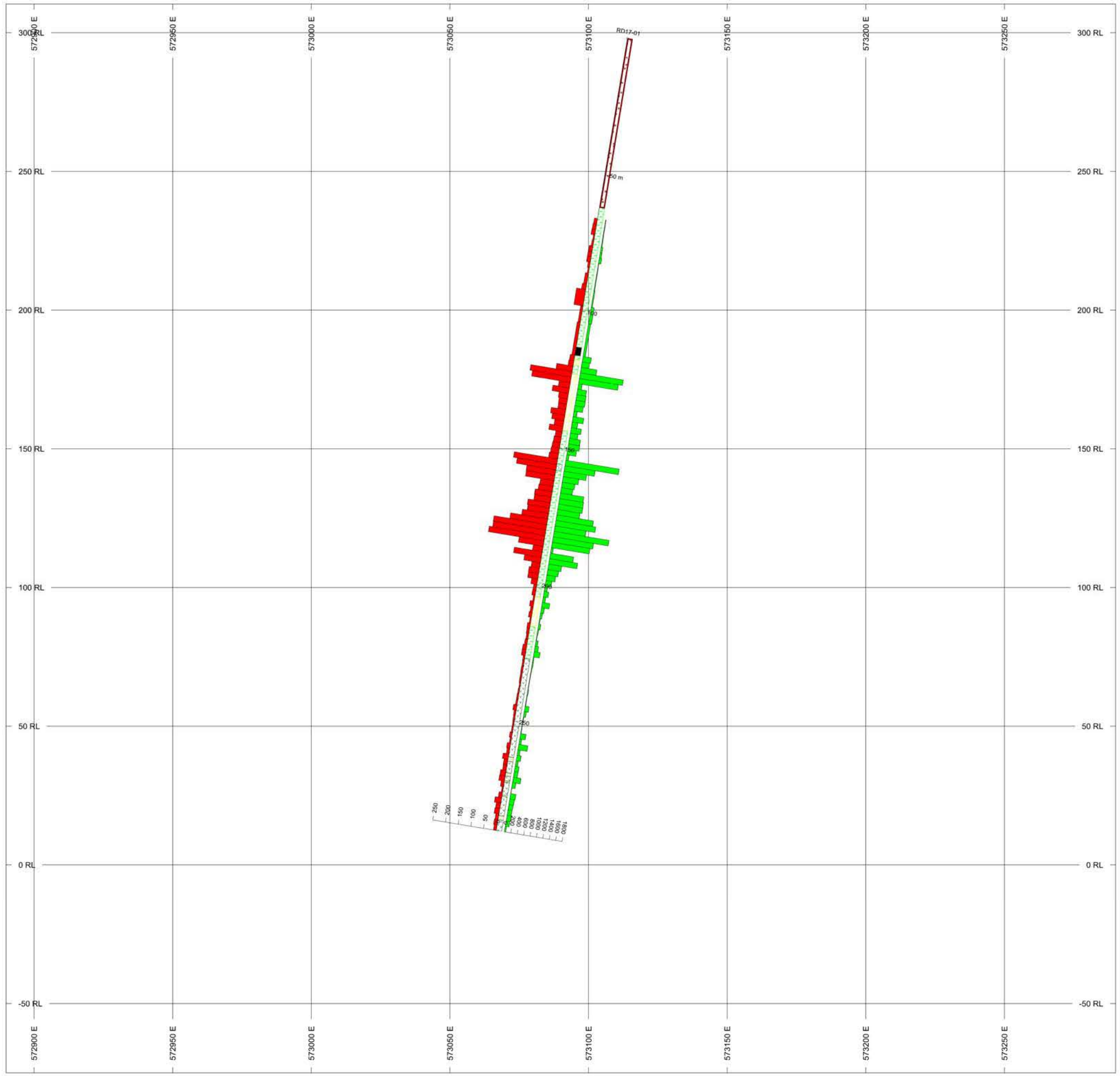
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1	Case	CASE	Till
	PROP	PROP	Propylitic alteration
	CMG	CMG	Chlorite, sericite, magnetite alteration
	Argillic	Argillic	Argillic
	SCP	SCP	Advanced Argillic alteration

**SECTION SPECS:**  
 REF. PT. E, N 573090 m 5617528 m  
 EXTENTS 400.2 m 385.3 m  
 SECTION TOP, BOT 310.3 m -74.97 m  
 TOLERANCE +/- 9.475 m



Northisle Copper and Gold Inc.  
 Red Dog  
 RD17-01  
 Alteration

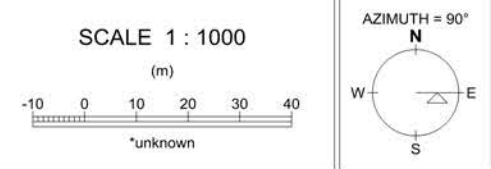


BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

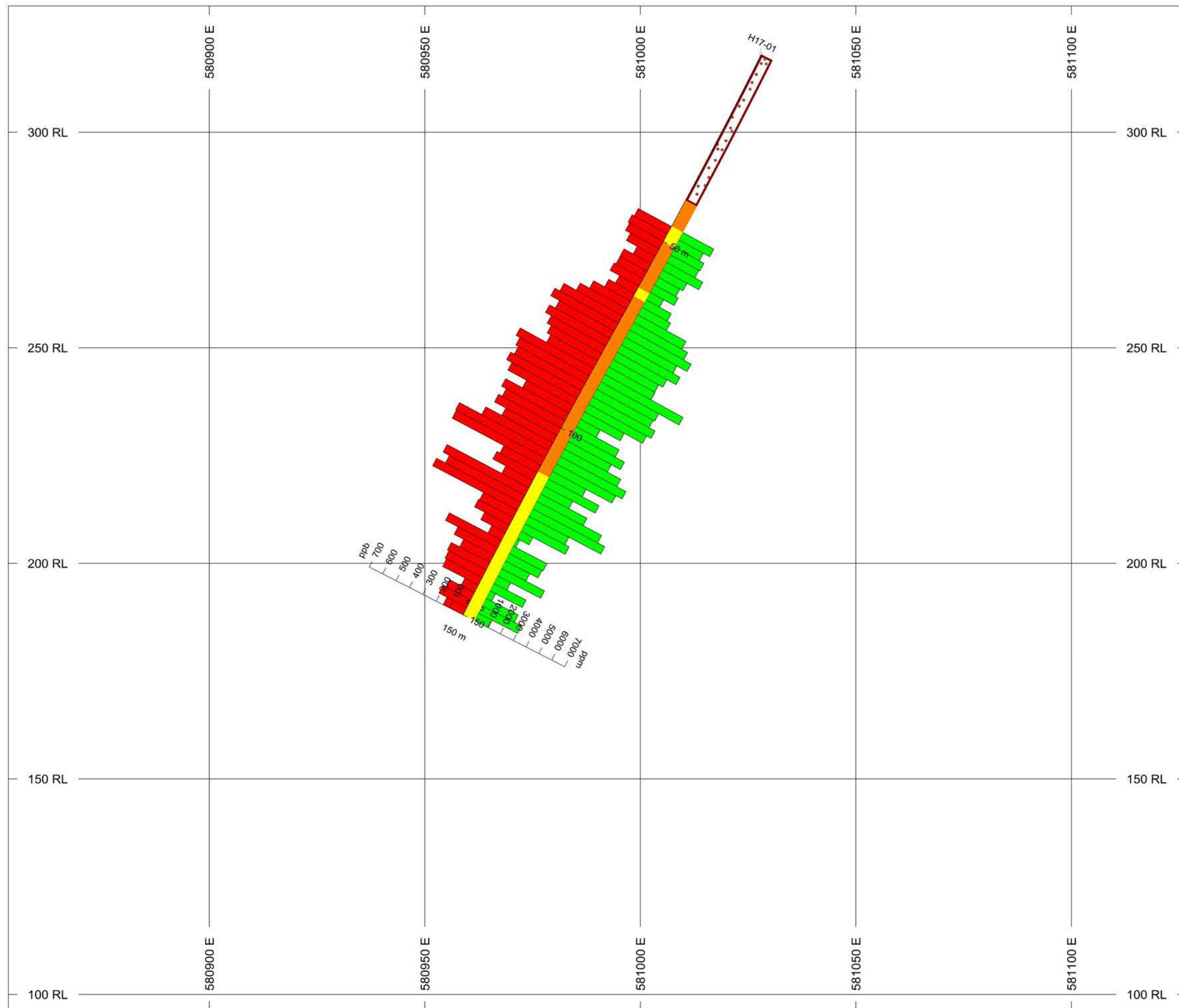
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1	[Pattern]	BVv	Bonanza Volcanic undivided
	[Pattern]	FPY	feldspar porphyry
	[Pattern]	CASE	Till
	[Pattern]	Ba	Basalt dyke
	[Pattern]	CAVE	Cave
	[Pattern]	BVt	Bonanza Volcanic tuff
	[Pattern]	BVf	Bonanza Volcanic flows

**SECTION SPECS:**  
 REF. PT. E, N 573090 m 5617528 m  
 EXTENTS 400.2 m 385.3 m  
 SECTION TOP, BOT 310.3 m -74.97 m  
 TOLERANCE +/- 9.475 m



Northisle Copper and Gold Inc.  
 Red Dog  
 RD17-01  
 Lithology

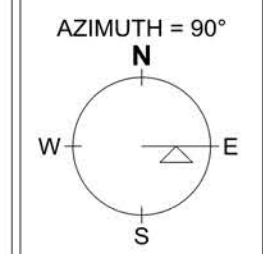
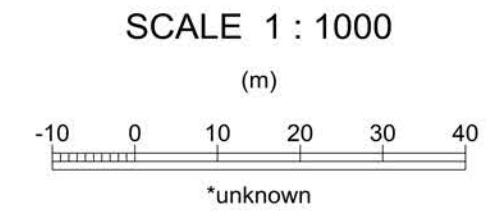


BAR GRAPHS	L/R	COL
Cu (ppm)	R	Green
Au (ppb)	L	Red

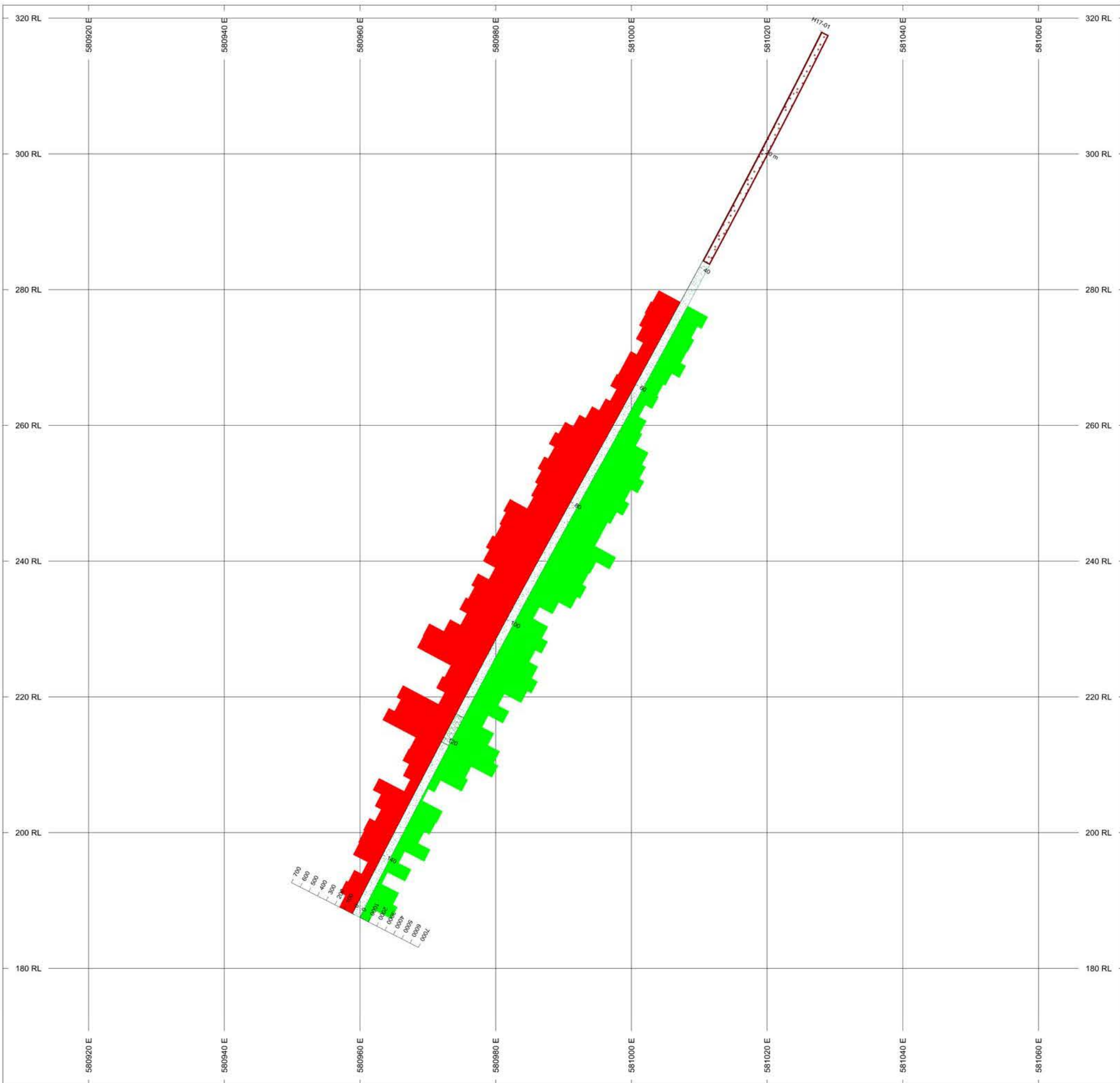
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1	Red dotted	CASE	Till
	Orange	CMG	Chlorite, sericite, magnetite alteration
	Yellow	SCP	Advanced Argillic alteration

**SECTION SPECS:**  
 REF. PT. E, N    580990 m 5614200 m  
 EXTENTS            273.2 m    232.9 m  
 SECTION TOP, BOT 329.3 m    96.39 m  
 TOLERANCE +/-    15.66 m



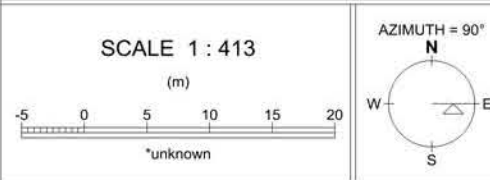
**Northisle Copper and Gold Inc**  
**Hushamu Deposit**  
**H17-01**  
**Alteration**



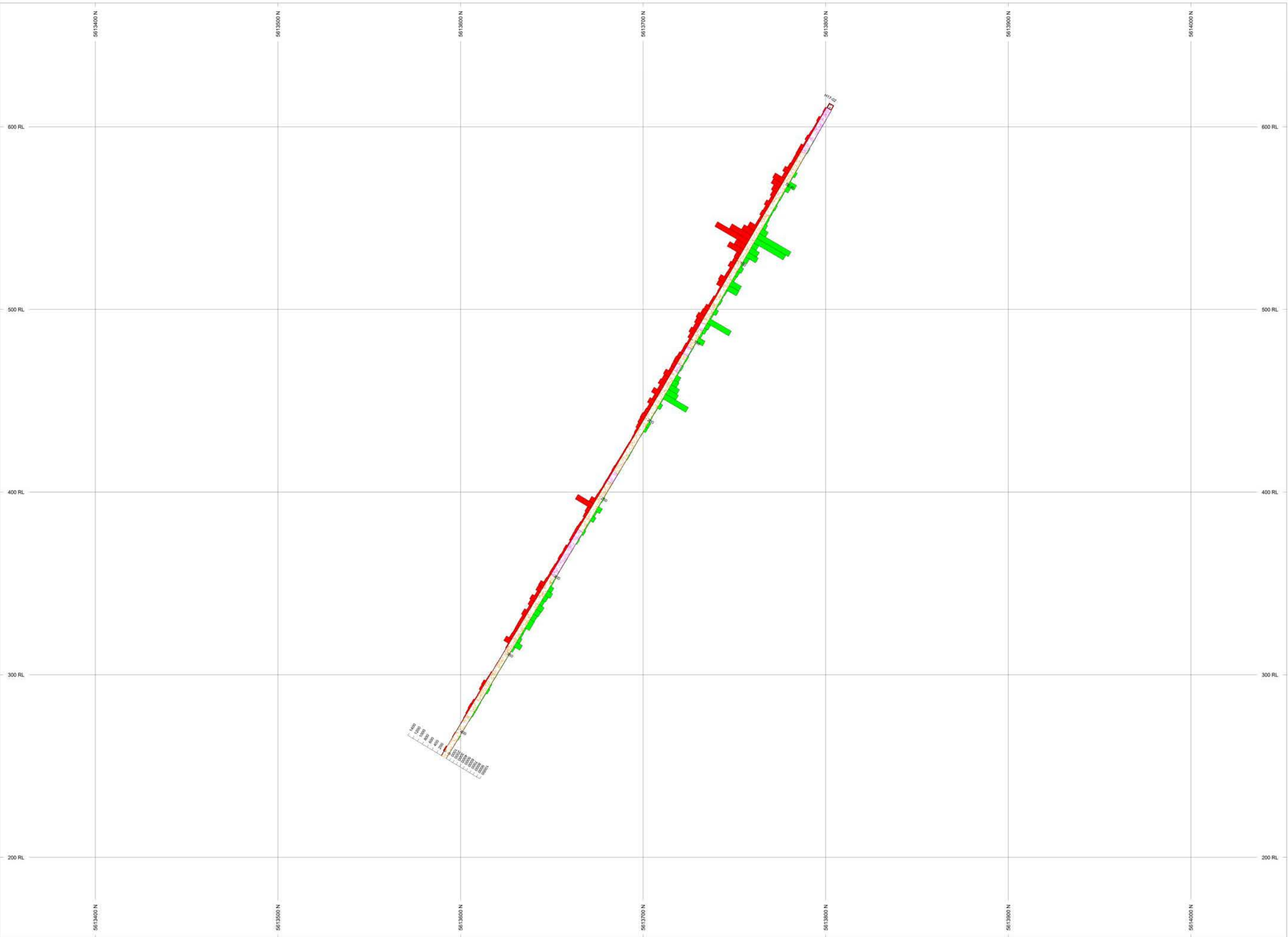
BAR GRAPHS    L/R    COL  
 Cu            R        █  
 Au            L        █

ROCK CODES    PAT    LABEL    DESCRIPTION  
 Lith1               CASE    Till  
                       ANTF    Tuffaceous andesite  
                       ANFX    Feldspar phyiric andesite (flow)

**SECTION SPECS:**  
 REF. PT. E, N    580990 m 5614200 m  
 EXTENTS        165.3 m    159.1 m  
 SECTION TOP, BOT 321.9 m    162.8 m  
 TOLERANCE +/-    15.66 m



Northisle Copper and Gold Inc  
 Hushamu  
 Alteration  
 H17-01



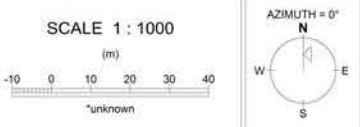
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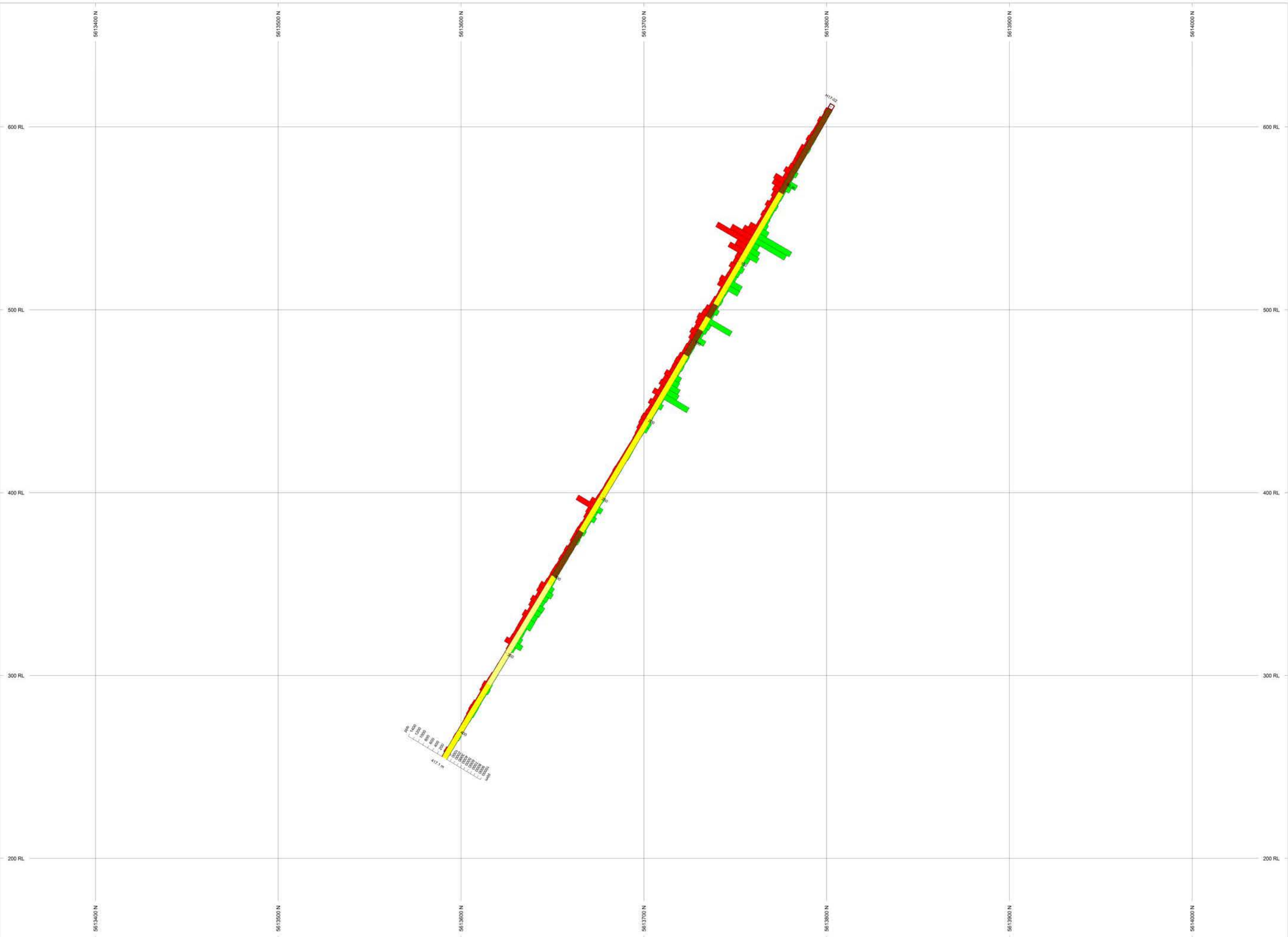
BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1	CASE	Till	
	BRXX	Late Breccia	
	HTBX	Hydrothermal Breccia	

**SECTION SPECS:**  
 REF. PT. E, N    580734 m 5613700 m  
 EXTENTS        705 m    512.3 m  
 SECTION TOP, BOT    667.8 m    155.5 m  
 TOLERANCE +/-    17.15 m



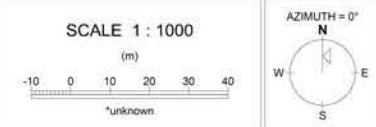


BAR GRAPHS	LR	COL
Cu (ppm)	R	GREEN
Au (ppb)	L	RED

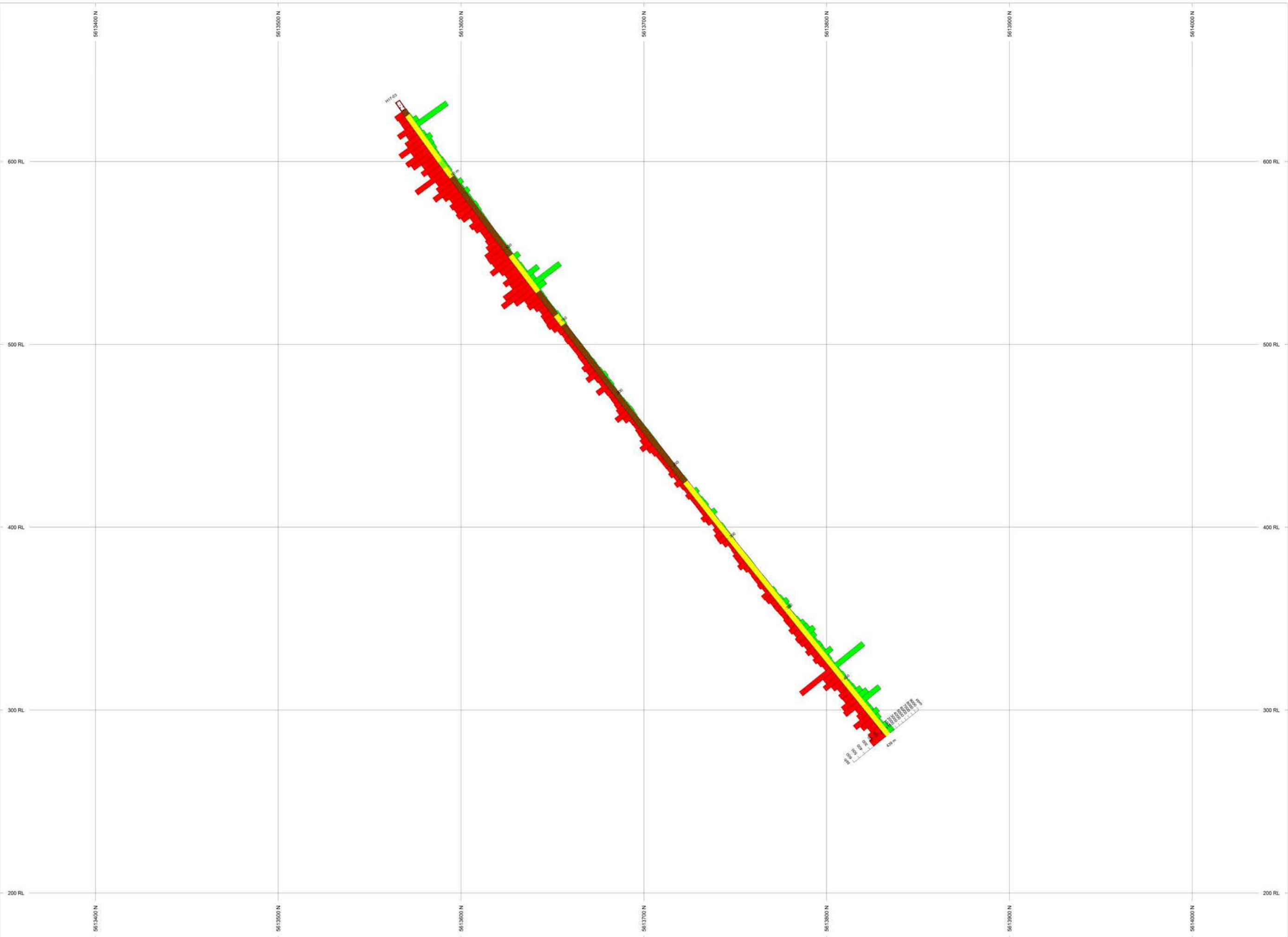
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1	Case	Case	Till
	Argillic	Argillic	
	SCP	SCP	Advanced Argillic alteration
	LEA	LEA	Silica Clay Zunyite (Leach)

**SECTION SPECS:**  
 REF. PT. E. N 580733 m 5613700 m  
 EXTENTS 705 m 512.3 m  
 SECTION TOP, BOT 667.8 m 155.5 m  
 TOLERANCE +/- 30.3 m



**Northisle Copper and Gold Inc**  
 Hushamu Deposit  
 H17-02  
 Alteration

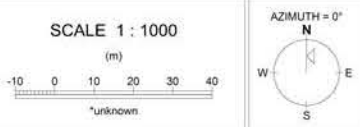


BAR GRAPHS	LR	COL
Cu (ppm)	R	Green
Au (ppb)	L	Red

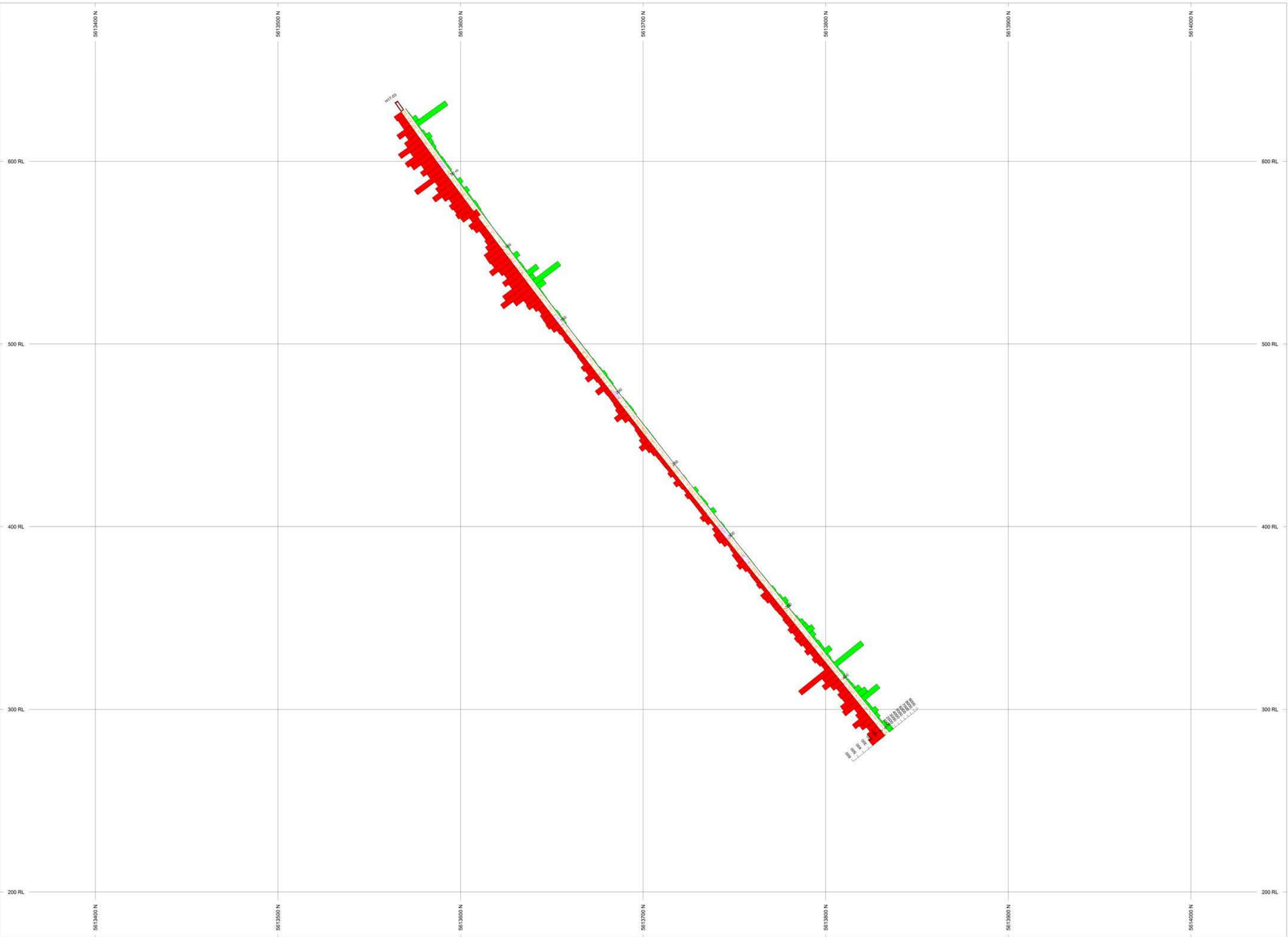
ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1	PRO	PRO	Propylitic alteration
	SCP	SCP	Advanced Argillic alteration
	LEA	LEA	Silica Clay Zunyite (Leach)

**SECTION SPECS:**  
 REF. PT. E. N 560900 m 5613700 m  
 EXTENTS 705 m 512.3 m  
 SECTION TOP, BOT 686.7 m 174.4 m  
 TOLERANCE +/- 10.32 m



**Northisle Copper and Gold Inc**  
 Hushamu Deposit  
 H17-03  
 Alteration



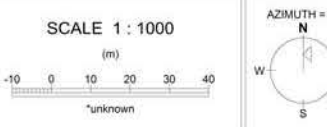


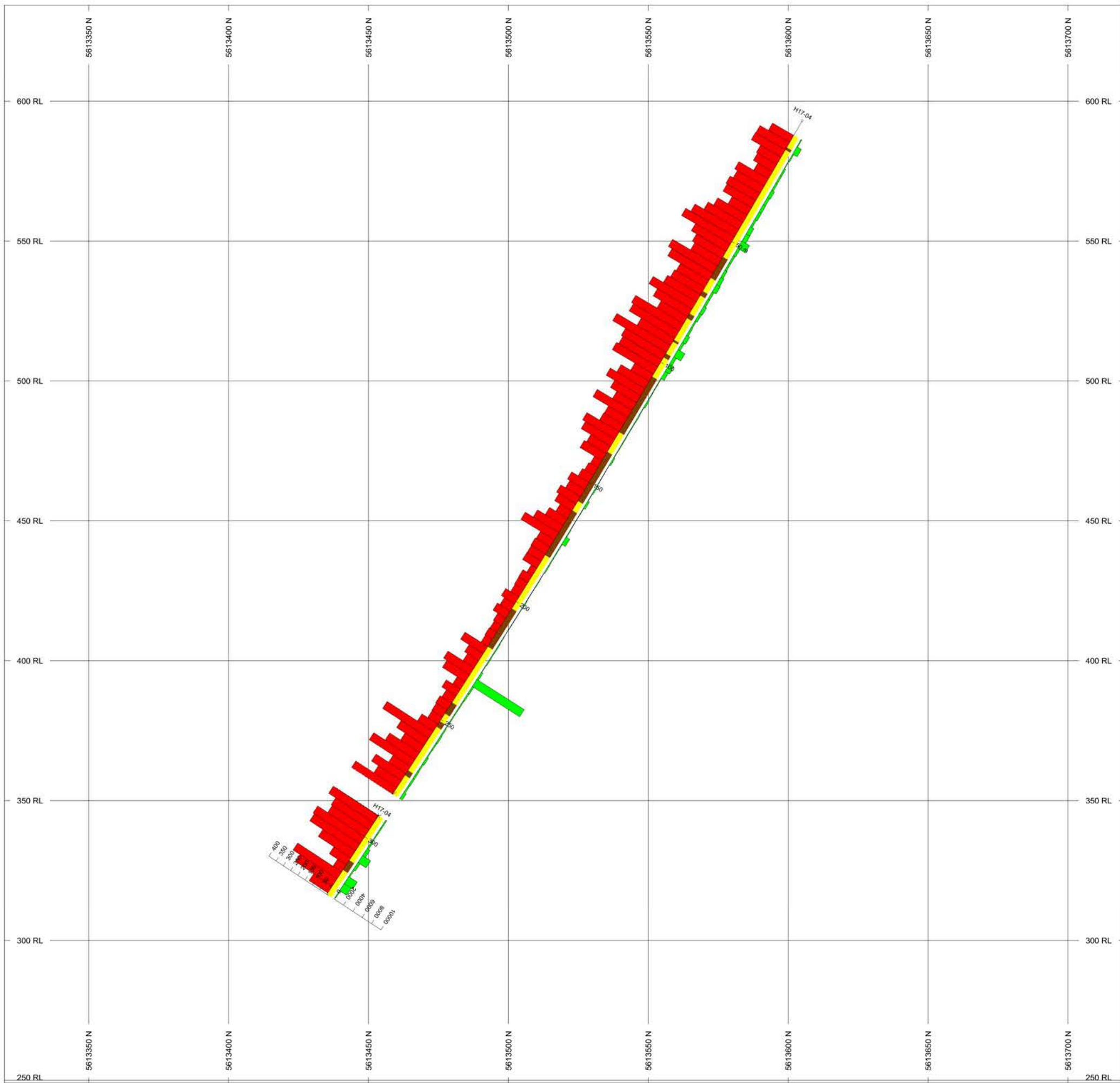
BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1	Red	porphyry	Till
	Pink	BRXX	Late Breccia
	Yellow	HTBX	Hydrothermal Breccia

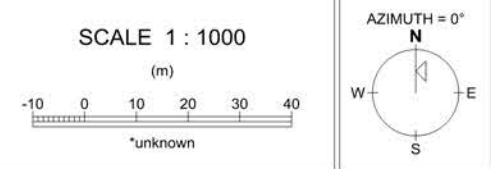
**SECTION SPECS:**  
 REF. PT. E, N 580900 m 5613700 m  
 EXTENTS 705 m 512.3 m  
 SECTION TOP, BOT 686.7 m 174.4 m  
 TOLERANCE +/- 10.32 m



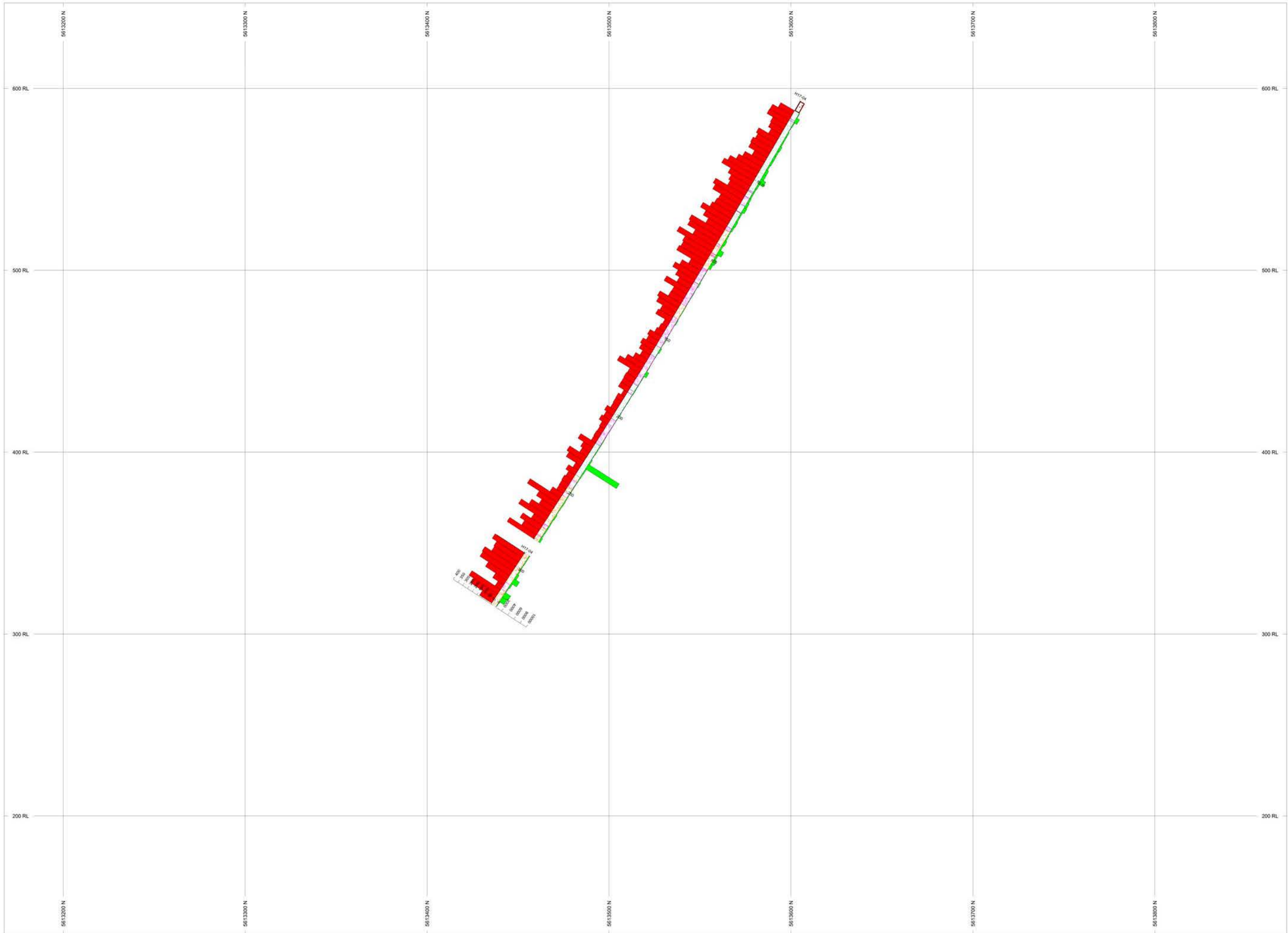


BAR GRAPHS	L/R	COL	
Au	L		Red
Cu	R		Green
ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1		SCP	Advanced Argillic alteration
		LEA	Silica Clay Zunyite (Leach)

**SECTION SPECS:**  
 REF. PT. E, N 580983 m 5613520 m  
 EXTENTS 400.2 m 385.3 m  
 SECTION TOP, BOT 634.3 m 249 m  
 TOLERANCE +/- 1.226 m



Northisle Copper and Gold Inc.  
 Hushamu  
 H17-04  
 Alteration

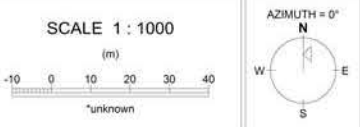


BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

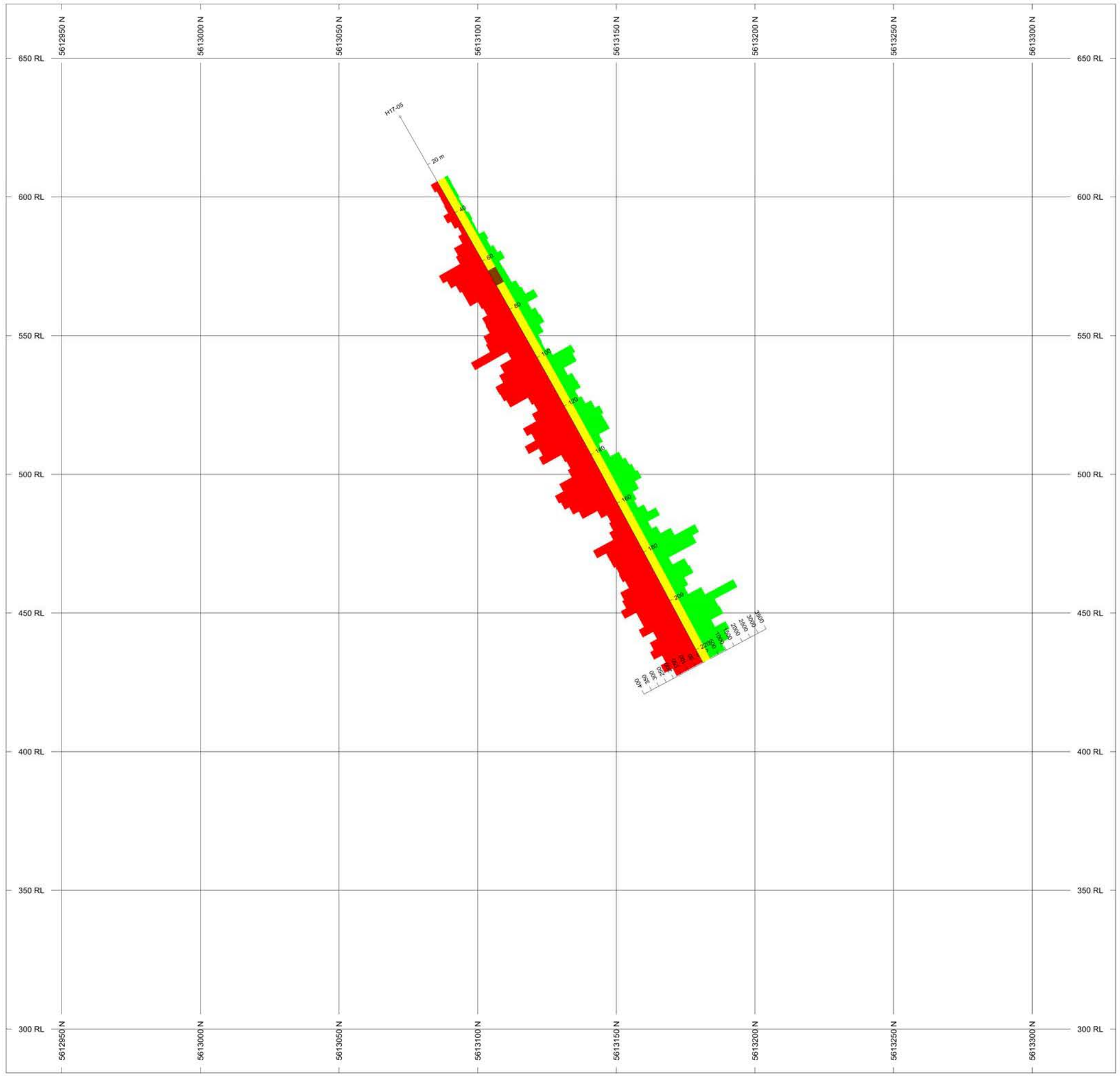
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1	Case	CASE	Till
	ANTF	ANTF	Tuffaceous andesite
	BRXX	BRXX	Late Breccia
	HTBX	HTBX	Hydrothermal Breccia
	BSLT	BSLT	Basalt

**SECTION SPECS:**  
 REF. PT. E, N 580983 m 5613520 m  
 EXTENTS 705 m 512.3 m  
 SECTION TOP, BOT 647 m 134.7 m  
 TOLERANCE +/- 1.226 m



Northisle Copper and Gold Inc.  
 Hushamu  
 H17-04  
 Lithology

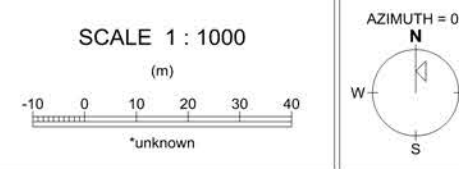


BAR GRAPHS	L/R	COL
Cu	R	Green
Au	L	Red

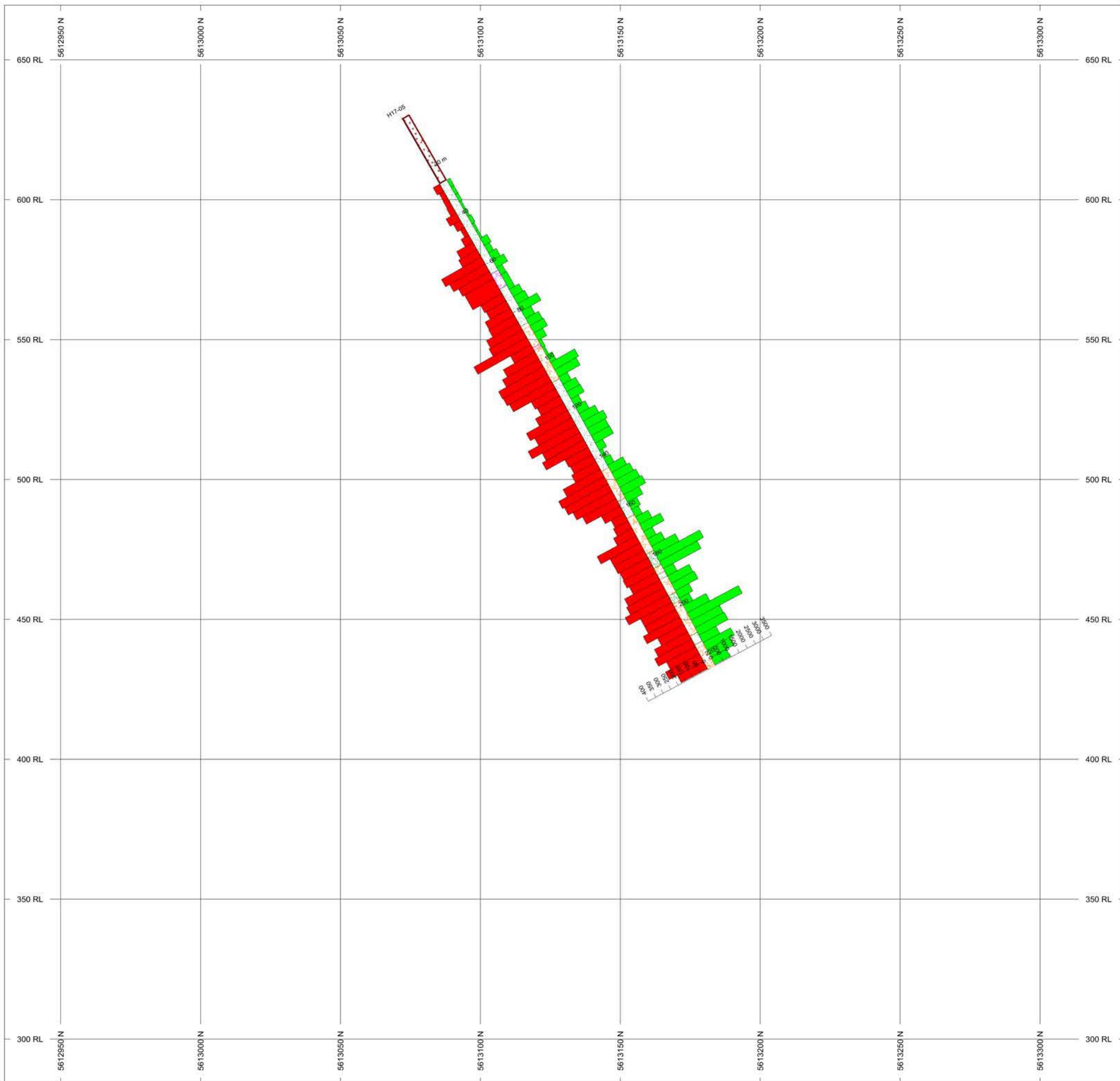
  

ROCK CODES	PAT	LABEL	DESCRIPTION
Alt1	SCP	Yellow	Advanced Argillic alteration
	LEA	Brown	Silica Clay Zunyite (Leach)

**SECTION SPECS:**  
 REF. PT. E, N 581129 m 5613130 m  
 EXTENTS 400.2 m 385.3 m  
 SECTION TOP, BOT 669.5 m 284.2 m  
 TOLERANCE +/- 3.628 m



Northisle Copper and Gold Inc  
 Hushamu  
 Alteration  
 H17-05

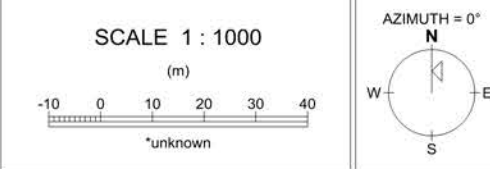


BAR GRAPHS	L/R	COL
Au	L	Red
Cu	R	Green

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1	[Pattern]	CASE	Till
	[Pattern]	ANTF	Tuffaceous andesite
	[Pattern]	ANFX	Feldspar phyric andesite (flow)
	[Pattern]	BRXX	Late Breccia
	[Pattern]	HTBX	Hydrothermal Breccia

**SECTION SPECS:**  
 REF. PT. E, N 581129 m 5613130 m  
 EXTENTS 400.2 m 385.3 m  
 SECTION TOP, BOT 669.5 m 284.2 m  
 TOLERANCE +/- 3.628 m



Northisle Copper and Gold Inc.  
 Hushamu  
 H17-05  
 Lithology