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**2018-2019 DIAMOND DRILLING REPORT  
SUGAR & WOLF ZONES  
DAYOHESSARAH LAKE AREA  
WHITE RIVER, ONTARIO**

**NTS 42C/ 10, 11, 14 and 15**

**Latitude 48°48' N, Longitude 85°10' W**

**Dates Work Performed  
August 26, 2018 – August 23, 2020**

**for**

**Harte Gold Corporation  
8 King Street East  
Suite 1700  
Toronto, Ontario  
M5C 1B5**

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## **Executive Summary**

Between August 26, 2018 and April 23, 2019 Harte Gold Corporation performed a forty-one hole, 22,282 meter diamond drill program at the Sugar and Wolf Zones. The Sugar and Wolf Zones are located on the Sugar Zone property (“the Property”) which is located in the Dayohessarah Lake area, north of White River, Ontario. Three drill rigs (Drill 19, 20 and 33) were supplied by Foraco International SA, plus two drill rigs (HC-150-17 and 19) from Chibougamau Diamond Drilling Ltd. to perform drilling for the drill program. The Foraco drill rigs were managed by John Kita, Chief Mine Geologist, while the Chibougamau drill rigs were managed by David Stevenson, Chief Exploration Geologist.

The intent of the drill program was to continue drill testing the on-strike extensions of the Sugar and Wolf Zones where previous drilling encountered gold-bearing zones of interest. Drilling in both areas succeeded in intersecting gold zones of economic interest.

A total of \$3,408,598 was spent on this drill program which included cost such as drilling, assay and salaries, etc. The average cost per meter was \$152.97.

The Property is located in the Dayohessarah Greenstone Belt (“DGB”). This greenstone belt is part of the larger, east trending Schreiber-White River Belt of the Wawa Subprovince of the Superior Craton. The DGB is situated between two larger greenstone belts; the Hemlo Greenstone Belt to the west and the Kabinakagami Greenstone Belt to the east. The DGB has an active history of exploration dating back to 1969 when Canex Aerial Exploration Ltd. drilled three holes on the Property. Exploration ramped up after the discovery of Hemlo, when Pezamerica Resources commenced geophysics and drilling.

In 1998, Harte Gold Corp. entered into an option agreement on most of the unpatented mining claims comprising the Sugar Zone Property, including the Sugar Zone. Harte subsequently entered into a Joint Venture agreement with Corona Gold Corporation.

### **1.0 Introduction**

The Sugar and Wolf Zones are two of several gold-bearing zones identified on Harte Gold’s Sugar Zone property. The property is located in the Dayohessarah Greenstone Belt (“DGB”). This greenstone belt is part of the larger, east trending Schreiber-White River Belt of the Wawa Subprovince of the Superior Craton.

This report will summarize and discuss the results of the diamond drill program conducted between November 26, 2018 and September 03, 2019 by Harte Gold Corp. on the Sugar Zone Property. The drill report was written from May 21 to June 03, 2020.

The drill holes were drilled on the Sugar Zone mining leases LEA-109602, 109593 and mining claim 531214. The work permit for this area was PR-15-10790 which expired February 10, 2019.

All UTM coordinates are in NAD 83, Zone 16 projection.

## 2.0 Property Location and Description

### 2.1 Location and Access

The Sugar Zone property is situated approximately 25 km northeast of the town of White River (Trans-Canada Highway No. 17) and 60 km east of the Hemlo gold camp. The property is approximately equidistant from Sault Ste. Marie to the south-east and Thunder Bay to the west (Figure 1). The overall property encompasses NTS zones 42C/ 10, 11, 14 and 15 and the gold mineralized occurrences are exposed at Latitude 48°48' north, Longitude 85°10' west. The property covers parts of the Odium, Strickland, Gourlay, Tedder, Hambleton, Cooper, Nameigos, Abraham and Bayfield Townships, and falls within the Sault Ste. Marie Mining Division.

The property can be accessed via a series of logging roads and drill trails extending north from the community of White River. Access is also available by way of float plane, based in White River via Dayohessarah Lake or Hambleton Lake, and by helicopter based in Wawa or Marathon.

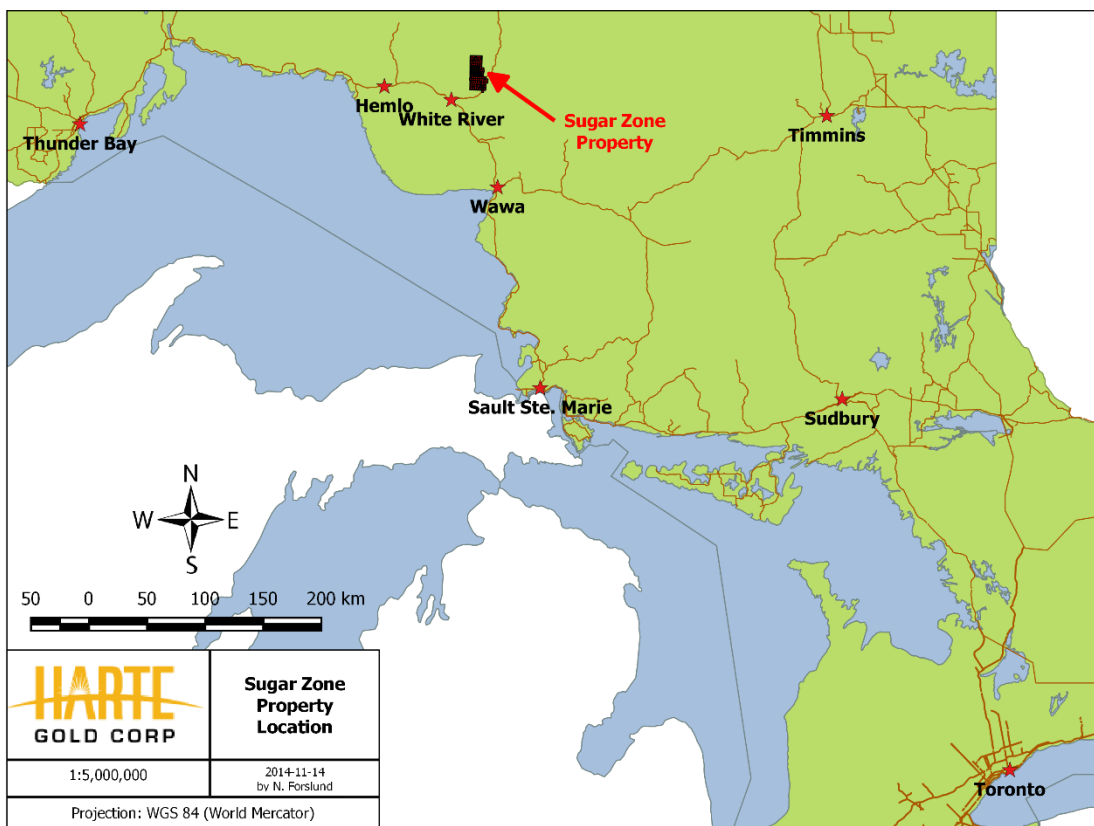


Figure 1 - Property Location

The western and southern portions of the Property are accessible via a series of logging roads controlled by White River Forest Products Limited. Road No. 100 extends north from the western end of White River. Road No. 200 intersects Road No. 100 approximately 20 km from Highway 17 and provides access to the western and southern portions of the property. Road No. 300 intersects Road No. 100 approximately 36 km from Highway 17 and provides access to the very

northern portion of the property. Road No. 305 intersects Road No. 300 approximately 6 km from Road No. 100 and provides access to northern and eastern parts of the property. Road access to within 400 m of the Sugar Zone is available via a small road heading south and southwest from Road No. 305 for 8.8 km. From there, access to the Sugar Zone is available via all-terrain or tracked vehicles in the summer, and snowmobiles, tracked vehicles and trucks in the winter. The distance from White River to the Sugar Zone is approximately 60 km by road.

Areas surrounding Dayohessarah, Hambleton, Strickland and Pike Lakes are designated by the Ontario Ministry of Natural Resources as 'Restricted Access'. Locked gates on Road No. 200 and Road No. 305 control vehicular access in order to prevent access to remote lodge operations on two lakes. Permits are required for road access to most of the Sugar Zone property for mineral exploration purposes.

## **2.2 Description of Mining Claims**

The Sugar Zone property consists of four mining leases comprising 1467.26 hectares, including 69 boundary cell claims, 43 single cell claims, 197 multi-cell claims. Harte Gold also has an option to earn a 100% interest in the Halverson Property subject to certain terms and conditions. The Halverson Property consist of 12 boundary cell claims and 4 single cell claims. (Appendix A). All claims of the Sugar Zone Property are held in the name of Harte Gold Corp., except for those of the Halverson Property which are held in the name of Lloyd Joseph Halverson and are subject to an option agreement. The Property boundaries are marked by claim lines but have not been surveyed (Figure 2).

There are two mining alienations which border parts of Harte's current claim block. The largest (W-LL-C1521) lies to the east of the current claim area and shortly borders claim 4260617 on the east, and Hwy 631 on the west. The second alienation (No. 2847) lies completely within Harte's current claim block, west of Dayohessarah Lake. Surface rights are held by the Crown and timber cutting rights are held by White River Forest Products Ltd.

In 1998, Harte Gold Corp. (Harte) entered into an option agreement on most of the unpatented mining claims comprising the Sugar Zone Property, including the Sugar Zone. Harte Subsequently entered into a Joint Venture agreement with Corona Gold Corp.

The original claims are subject to a 3.5% net smelter royalty ("NSR"). The Joint Venture participants, namely Corona (51%) and Harte (49%), have the option of acquiring 1.5% of the 3.5% NSR for \$1.5 million, in proportion to their respective interest and have, in addition, the right of first refusal on the remaining 2.0% NSR.

Harte and Corona entered into an Option Agreement (the "Corona Option") dated May 28, 2010, entitling Harte to acquire Corona's 51% interest in the Sugar Zone Joint Venture upon completion of certain conditions. Effective March 10, 2010, Harte became the Operator of the Sugar Zone Joint Venture for as long as the Corona Option remained in good standing. Harte completed all required conditions and as of May 23, 2012 acquired Corona's 51% interest to become the 100% owner and operator of all of the claims which were previously part of the Sugar Zone Joint Venture.

## **2.3 Physiography and Vegetation**

The climate is northern boreal, with short hot summers and cold, snowy winters. Some field operations, such as drilling, can be carried out year-round while other operations, such as

prospecting and mapping, can only be carried out during the late spring, summer and early autumn months.

The temperatures can range from -35°C in the winter to +30°C in the summer; though the mean temperatures are around -20°C to +20°C. Rainfall is about 727 mm annual average, with the wettest month being September (120 mm average). Snow is abundant, often reaching several metres with December and January having the heaviest snowfall (about 80 cm). Snow is on the ground by late October and the ice begins to thaw on the lakes by April.

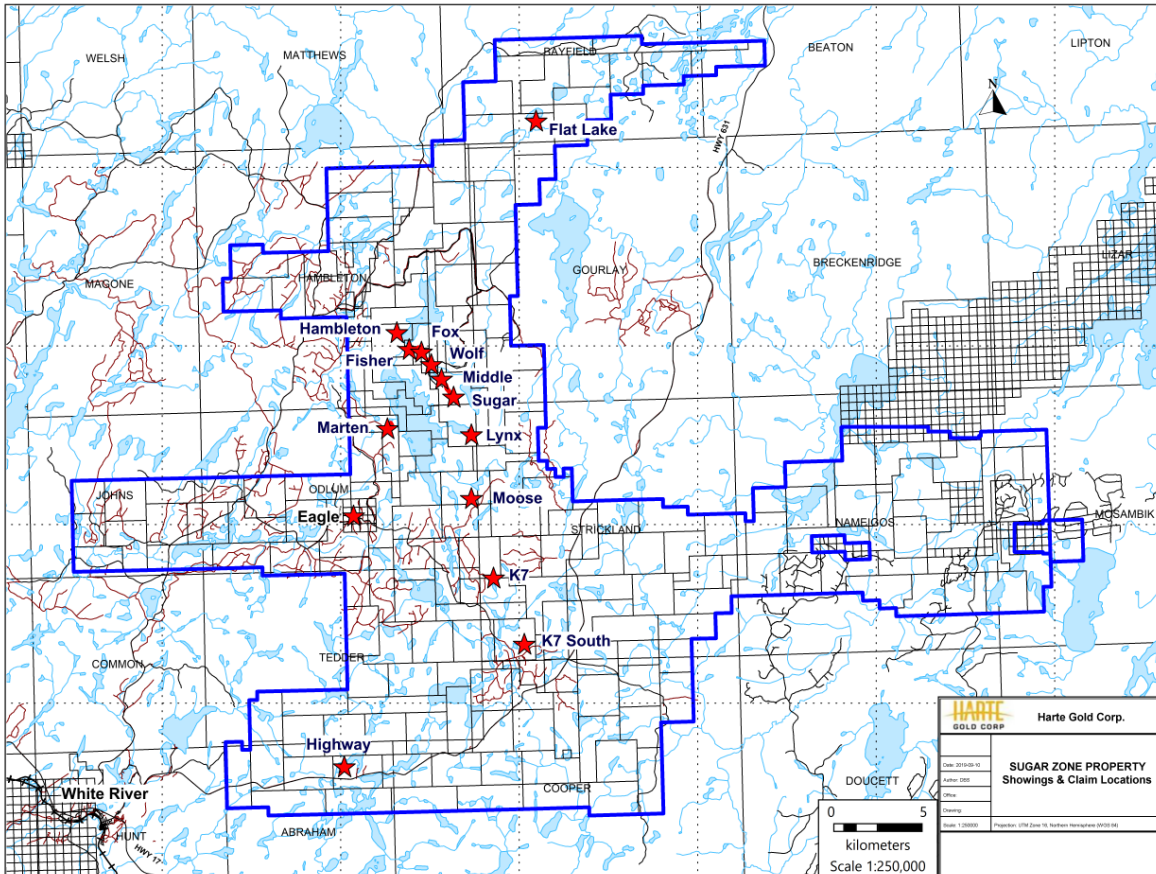


Figure 2 - Claim Position and Showings

The topography on the property varies from moderate to rugged, with lake levels generally at 390 m above sea level, and occasional hills up to 480 m elevation. The overburden is generally between 0 to 20 m deep on the Property, with occasional boulder terrain, and normally approximately 2 to 3 m overlying the Sugar Zone. Vegetation is boreal, with jack pine, fir, poplar and birch occupying dry uplands and cedar, tamarack and spruce growth on more poorly drained terrain.

### 3.0 Historical Work

Exploration for gold and base metals has been conducted on the Dayohessarah property since 1969. After over 10 years of very little work, exploration started to pick up on the property again



in 1983, after the discovery of the Hemlo Gold camp. A complete timeline of mineral exploration on the DGB is presented below.

**1969** Canex Aerial Exploration Ltd. drilled three diamond drill holes in the vicinity of the mafic/ultramafic intrusives and flows near the north end of Dayohessarah Lake. Results include an intersection of 0.326% Ni and 0.08% Cu over 5 ft. in metagabbroic rocks.

**1983-1986** Pezamerica Resources Limited conducted an exploration program which included an airborne Mag and EM survey that outlined thirty-one (31) geophysical anomalies in the area. Twenty-four (24) of these anomalies were investigated by Teck Exploration on behalf of Pezamerica. Teck Exploration drilled nine airborne geophysical targets based on coincidental soil gold anomaly trends. In all cases, the airborne anomalies were explained by pyrite/pyrrhotite rich horizons within felsic volcanics. Hole PZ-6 returned appreciable amounts of sphalerite mineralization (0.47% Zn over 2.8 feet). None of the assayed core returned significant gold values.

**1990** Most of the DGB is staked by a prospecting syndicate.

**1991** The Property is optioned from the prospectors by Hemlo Gold Mines Inc. Initial prospecting uncovered the gold-bearing Sugar Zone deposit. Based on bedrock exposure and trenching, the Sugar Zone was traced for 750 m, and a ground IP survey outlined the Sugar Zone structure extending for 1,500 meters.

**1993** Hemlo Gold conducted a preliminary diamond drill program to test the Sugar Zone for economic gold mineralization. A grid was cut with a 6-km baseline and tie-lines ranging in spacing between 100 m and 1,000 m. Six diamond drill holes were completed totaling 800 m. All drill holes intersected significant gold mineralization in the Sugar Zone. A small trenching program is initiated on the Sugar Zone.

**1994** Hemlo Gold proceeds with initial geological mapping, prospecting and a follow-up drill program. Fifteen diamond drill holes are completed on the Property, totaling 2,416 m. Eight of the drill holes intersected the Sugar Zone. An I.P. survey is completed over the southern portion of the Property, and a Mag survey is completed over the entire grid. After the exploration program, the Property was returned to the prospecting syndicate who initially staked the ground, due to legal reasons.

**1998-1999** Most of the Property is optioned from the prospector's syndicate. The mining claims were subject to a Joint Venture agreement between Corona Gold Corporation (51%) and Harte Gold Corp. (49%). Corona was the operator. The initial 313 claims are subject to a 3.5% net smelter royalty ("NSR"), and the Joint Venture participants have the option to acquire 1.5% of the 3.5% NSR for \$1.5 million, and have the right of first refusal on the remaining 2.0% NSR.

Corona carries out an extensive exploration program. The existing grid was rehabilitated and new grid lines established east of Dayohessarah Lake. In total, 96.1 km of grid lines with 100 m spacing oriented at 320° azimuth are cut over the Sugar Zone area. An oriented soil sampling program is carried out on the grid, as well as mapping and sampling. Prospecting was limited to the Sugar Zone and extensions of the Sugar Zone to the south and to the north. A surface power trenching program is conducted on parts of the Sugar Zone and six trenches were excavated, washed, channel sampled and mapped in detail. A detailed Mag-VLF and reconnaissance gradient I.P. survey is performed on the Property.

A diamond drilling program totaling 9,937 m of NQ core in 53 holes is completed, mostly into and around the Sugar Zone. The drill holes cover 3 km of strike length, and intersect the zone at approximately 50 m spacing at shallow depths. A secondary purpose of the program was to follow-up low grade mineralization encountered in previous drilling by Hemlo Gold and to test previously untested/poorly tested I.P. anomalies west of the Sugar Zone and east of Dayohessarah Lake.

Preliminary Mineral Resource estimates of the Sugar Zone mineralization in the 12000 N to 13100 N area were prepared, based on the drilling program noted above. Another estimate was made, using revised and refined criteria and polygonal methods, in the spring 1999, following additional data evaluation (Drost et Al, 1998).

**2003-2004** Corona conducts a diamond drilling program totaling 7,100 m in 26 holes. The drill program mostly intersects the Sugar Zone and is successful in its purpose of expanding the strike and dip extent of the zone, as well as increasing the level of confidence in the continuity of mineralization by in-fill drilling.

**2004** Corona conducts another diamond drilling program totaling 3,588 m in 11 holes. The program is successful in increasing the mineralization extent of the Sugar Zone, as well as increasing the defined Sugar Zone depth to a vertical depth of 300 m. A new Mineral Resource estimate was completed.

**2008** A helicopter airborne geophysical survey was flown over the Property by Fugro Airborne Surveys Corp., under contract from Corona. The survey used a DIGHEM multi-coil, multi-frequency electromagnetic system along with a high sensitivity cesium magnetometer. A total of 1,917 line-km was flown. It was recommended by Dave Hunt P.Geol. that compilation of historic exploration data on the remainder of the property be followed by a program of reconnaissance mapping and prospecting to evaluate the Fugro airborne conductor axes on the ground, as well as to identify additional target areas extending both north and south of existing Sugar Zone mineralization and elsewhere on the property.

**2009** During March, Corona undertook a drilling program totaling 2,020 m in 10 holes. The purpose of the program was to test airborne electromagnetic conductors, magnetic anomalies, induced polarization chargeability anomalies and geologically defined possible extensions to the north and the south of the known Sugar Zone mineralization.

During July to September, a prospecting, reconnaissance geological mapping and channel sampling program was undertaken on geophysical targets outlined by the Fugro airborne geophysical anomalies. Highlights included sampling of a float rock (Peacock Boulders) returning a value of 87.80 g/t Au, as well as grab samples from quartz veining east of the Sugar Zone returning values of 30.40 and 9.04 g/t Au.

**2010** Harte Gold Corp. initiated its first drilling program. During March, a diamond drill program totaling 2,097.31 m in 12 holes, two of which were aborted before reaching the Sugar Zone. The program was successful in locating a high-grade area of the Sugar Zone located near surface and directly under a series of surface trenches. The drill program was also successful in determining that the Sugar Zone has significant mineralization below 300 m depth.

Ground IP is completed over a grid totaling 20,475 meters. Chargeability from the survey outlines a potential zone north of the Peacock Boulder discovery of 2009. 5 Trenches totaling 1,850 square meters were completed over and around the newly discovered Wolf Zone.

A total of 5,387.94 m of diamond drilling totaling 33 drill holes was completed on the newly discovered Wolf Zone. Results outlined a small, high grade zone with a strike length up to 600 m and a depth up to 250 meters.

**2011** Between May and June 2011 two more grids totaling 60,800 meters were completed over the fold nose near the north end of the of the Sugar Zone Property, on the west side of Hambleton Lake. Follow up ground IP was completed on the grids by JVX Geophysical Surveys. A small 5,200 meter grid was also cut and ground IP completed on the west side of Dayohessarah Lake, in an attempt to outline a Gossan Zone.

A Bore Hole survey was completed In August 2011 on eleven deep drill holes in the Sugar Zone. The Bore Hole survey outlined several conductors in the area. An airborne VTEM survey was completed at the end of August by Geotech Ltd. The survey covered the entire property and outlined 5 large moderate to strong conductive areas of interest. The most exciting result of the survey was a potential copper-nickel ore body below the surface, under the komatiite volcanics at the northern end of Dayohessarah Lake.

There were two main drill programs in 2011. The first was on the Sugar Zone, between February 11 to April 13, and again between July 17 and November 24, 2011, and totaled 7,885.74 meters of diamond drilling in 27 drill holes. The drilling was designed to expand the resource estimate both at depth, and to upgrade inferred resource to indicated resource. The second drill program targeted IP anomalies on the Fold Nose grid. A total of 3,430.93 meters were drilled in 15 diamond drill holes. Most IP anomalies were explained by sedimentary layers, and no significant intercepts were observed.

**2012** In April 2012, Geotech Ltd. carried out a helicopter borne geophysical survey over the Sugar Zone Property. The program was completed as an extension of the airborne VTEM survey conducted in 2011 which totaled 302 line-km of data over the northern parts of Dayohessarah Lake and western parts of Hambleton Lake and the shore line. The 2012 program totaled 1,153 line-km of data essentially covering the rest of the Dayohessarah Greenstone Belt.

In an effort to understand the source of the Peacock boulders, thin sections of three Peacock boulder samples were sent to Pleason Geoscience for analysis. The boulders returned assay values of 87.30 g/t Au, 52.80 g/t Au and 37.20 g/t Au. It was noted that the mineralogy and microtextures of the samples were similar to gold-bearing zones at the Hemlo and Musselwhite gold camps.

Between October 30, 2012 and November 2, 2012 four mechanical trenches were made along the surface exposure of the Sugar Zone. The purpose of the trenches was to expose enough high-grade material from the Lower Zone of the Sugar Zone for a reasonably representative blasting program. The total area of the trenches is 1,799 square meters.

During the period January 21, 2012 to July 29, 2012 a total of 6,283.92 meters were drilled in 12 diamond drill holes targeting the Sugar Zone. The drilling was carried out by Major Drilling Group International Inc. The purpose of the diamond drilling program was to expand the current Mineral Resource Estimate of the Sugar Zone at vertical depths below 400 m, and to test the continuity,

grade and width of the zone at 1,000 m vertical depth. The program was successful in defining Au mineralization in both the Upper and Lower Zones with significant assay results ranging from 0.56 g/t Au to 162 g/t Au.

An additional 2 drill holes targeted an IP north-east of Dayohessarah Lake. These exploration holes totaled 375 meters, and did not return any significant gold values.

Two holes totaling 333 meters were drilled targeting an extension of the Wolf Zone. No significant assays were returned.

**2013** Exploration in the 2013 season included a short prospecting program, where 46 samples were taken and analyzed for Au using fire assay. Two samples returned Au values of 10.2g/t and 0.73 g/t.

Four holes were drilled on the Halverson Zone, totaling 1103.28m These holes targeted Cu-Ni mineralization discovered in 2011 by a VTEM survey.

An additional 17 diamond drill holes totaling 1356m were drilled to decrease the spacing between holes in a high-grade portion of the Sugar Zone Lower Zone (called Jewelry Box). Significant intervals from this program ran from 2.77 g/t Au to 28.5 g/t Au over widths from 0.35m to 8.27m.

Harte Gold continued moving forward with the permitting and optimization of the advance exploration 70,000 tonne bulk sample at the Sugar Zone. Confirmation drilling at the Jewelry Box Zone (JBZ) returned significant high-grade gold assays and enabled Harte Gold to re-design the bulk sample target areas in order to test this high-grade portion of the Sugar Zone deposit. The JBZ lies close to surface and can be developed quicker and more cost effectively.

Harte Gold also completed road construction to provide highway access to the property and survey work associated with taking certain of the Sugar Zone property mining claims to lease. Harte Gold is also in the process of negotiating contract mining and off-site milling agreements.

Harte Gold completed a regional exploration program and Induced Polarization (IP) survey with the objective of finding the source of the high-grade Peacock Boulders which returned gold values up to 87 g/t. Drill targets have been identified and are scheduled to be drilled during the summer of 2014.

## **2014**

Harte Gold continued to advance the Sugar Zone “Advanced Exploration and Bulk Sample Project” during 2014. Efforts focused on completing the permitting associated with the amended closure plan, completing the road to the portal site and overall optimization of the mining plan developed in the 2012 Preliminary Economic Assessment.

Additional confirmation drilling at the Jewelry Box Zone (JBZ), the target area for the bulk sample, returned significant high-grade gold assays providing additional confirmation to mining contractors developing bids for the project.

2014 was a busy year of exploration, Induced Polarization and magnetometer surveys were conducted over a majority of the core mining claims and generated numerous drill targets. Follow up ground proofing and drill programs identified the Wolf Zone as the source of the high-grade Peacock Boulders and lead to the discovery of the Contact Zone, where a sericite schist was

found to have Hemlo-style geochemistry and anomalous gold as well as a third mineralized zone known as the Footwall Zone and located 50 meters east of the Sugar Zone deposit.

During 2015 Harte Gold completed additional exploration drilling that extended the Sugar Zone deposit 300 meters south of its previously defined boundary.

Harte Gold completed additional construction work on the site access road linking the Sugar Zone deposit to Highway 631 and completed the lease application process for certain mining claims that comprise the Sugar Zone property. The leases cover the Sugar Zone deposit and immediately surrounding area and are a requirement for commercial production.

## **2015**

2015 was a pivotal year for Harte Gold as efforts to move the project ahead during a challenging mining market finally culminated in October with the first portal blast at the Sugar Zone. Since October the ramp was advanced to over 850 meters in length and begun shipping ore to Barrick Gold for custom milling from ore developed on the 375 level.

With production under our bulk sampling program well underway, the commercial permitting process has begun. This process is expected to take 12-18 months which may coincide well with completion of the bulk sample program. During the intervening period, the plan is to continue with underground development which would include the ramp, underground infrastructure including ventilation and setting up stopes to be ready for mining.

The commercial production target is 600 tonnes/day. Milling options are currently being studied and a tailings facility will form part of our permit application so that an on-site milling facility can eventually be built.

Harte gold initiated a significant geophysical program between the Sugar Zone and the Wolf Zone. The Contact Zone where Hemlo-style mineralization has been found in sericite schists up to 45 meter wide and the Gossan Zone located on the west side of Dayohessarah Lake will be a focus for future exploration.

## **2016**

2016 was a very busy year for Harte Gold as mining was in full swing with ore being delivered to Barrick Gold Corporation's Hemlo mill throughout the year.

Exploration efforts both near-mine and regionally are progressing at an aggressive pace with 6 drill rigs now working at the Sugar Zone and the newly discovered Middle Zone and the Wolf Zone. It is expected that the next resource update will include resources at the Middle Zone which could be incorporated into an updated mine plan and Technical Report.

## **2017**

At the Sugar Zone deposit four drill rigs are actively completing infill and step-out drilling to move resources to the Measured, Indicated and Inferred categories. Infill drilling at the Sugar Zone upper 500 meters is now complete and work on an updated resource statement is underway. Step-out drilling targeting resource extensions at a depth below 500 meters is currently underway to extend the down-dip extension to 1,000 meters targeting Inferred resources. Step-out drilling at the Sugar Zone has returned significant intersections to the north within a previously undrilled

area. This work has brought Sugar Zone mineralization to within 300 meters of the Middle Zone, further suggesting potential convergence of both zones

Drilling at the Middle Zone continues with three drill rigs active. Drilling has returned some excellent results including intersections of 13.02 g/t gold over 4.50 meters in hole WZ-17-79W and 13.68 g/t gold over 7.02 meters in hole SZ-17-86W. Hole WZ-17-92 confirms mineralization continues north of the Gabbro intrusion towards the Wolf Zone. One drill rig is being mobilized to test mineralization north of the Gabbro intrusion.

A property-wide MAG and HTEM survey has been completed and results interpreted. The MAG has been instrumental in outlining the geologic structures on the property and combined with the HTEM survey, has identified five new significant anomalies on the property. The strongest conductor is on the west side of the property and is hosted at the contact of a volcanic and sedimentary unit, now referred to as the "Eagle Zone".

Early drilling at the Wolf, Lynx and Fisher Zones has demonstrated on-strike continuity of mineralization. Further definition of these areas will be enhanced using down-hole geophysics to better define potential mineralized structures and refine drill targets.

IP geophysics and soil sampling completed over the summer at the Marten Zone have identified areas to be drilled. Historical grab samples have returned anomalous gold, lead and zinc within the target area.

Technica Group Inc. completed the 30,000 tonne Phase 1 Commercial Production program. Five development sills are now developed in this area and is ready to begin long-hole drilling and mining of the stopes in the late spring to match the commissioning of the mill. Technica is now completing the upgrades of the underground power and ventilation critical for the start of commercial production.

Civil works for the mill began in Q2 as well as site preparation of the tailings management facility. The outer wall footings of the mill are completed, erection of walls is underway to prepare for the mill building shell and foundation work is well under way. It is expected the mill building will be fully erected by year end. Most equipment has been ordered and has begun arriving at site.

## **2018**

A Mineral Resource Estimate dated February 15, 2018 contains an Indicated Mineral Resource Estimate of 2,607,000 tonnes grading 8.52 g/t for 714,200 ounces of contained gold and an Inferred Mineral Resource Estimate of 3,590,000 tonnes, grading 6.59 g/t for 760,800 ounces of contained gold, using a 3.0 g/t Au cut-off. The Company also completed a Preliminary Economic Assessment with an effective date of March 31, 2018, outlining 80,700 ounces of annual average gold production at an All-In Sustaining Cash Cost ("AISC") of US\$708/oz Au over an 11-year mine life.

All commercial production permits were issued in September. Process plant construction and transition to grid power were completed in September. First gold production was announced in mid-October. Gold doré bars are being produced through the gravity circuit and a high-grade concentrate is being produced through the flotation recovery circuit for offsite processing.

Official Mine Opening which was attended by the Premier of Ontario and Minister of Energy, Northern Development and Mines occurred October 24th, 2018. The Company bought down the royalty on the Sugar Zone property from 3.5% to 2.0% effective October 31, 2018.

Process plant commissioning was completed in early November. Since that time the Company has increased throughput to achieve the initial targeted rate of 575 tpd.

Sill development is on-going and long-hole stoping between the 140 and 155 levels off the Sugar Zone South ramp has begun. Results of the first production stope blast achieved expectations.

Underground development continues at the Sugar Zone North and South ramps. During September, the average advance rate of 8 meters per day was ahead of plan. The installation of critical underground infrastructure to support ventilation, power and pumping has been completed. In addition, the mine return air ventilation fan was successfully installed and the transition to grid power for most site power requirements substantially completed. Redpath is ramping up its underground mine personnel to achieve targeted ore sill development rates. Harte Gold's current permits allow for underground mining and mill processing rates of 550 tpd and 575 tpd respectively. Harte Gold will apply to increase both categories to 800 tpd in Q1 2019.

Near Mine Exploration infill drilling at the Sugar and Middle Zones for 2018 has concluded. Approximately 62,000 meters was drilled with a focus on the upgrade of Inferred Mineral Resources to the Indicated category. The drill program was successful and is expected to improve overall modelled grade of the Resources. Results will be factored into an updated NI 43-101 Mineral Resource Estimate targeted for early 2019. Step-out drilling underway will continue to mid-December. Approximately 30,000 meters has been drilled to-date, targeting extension of known mineralization at the Sugar, Middle and Wolf Zones, as well as discovery of new potential zones of mineralization like the Fox Zone. Information provided from the Company's downhole IP program completed in August has been successful identifying several drill targets, including a chargeability anomaly currently being drilled to test the convergence of the Middle and Wolf Zones. Downhole geophysics has been a highly successful tool used in the past; earlier work led to the deep Sugar Zone discovery at a depth of 1,000 meters. The Company has also started deep drilling at the Sugar Zone, approximately 1,500 meters below surface and 500 meters below the current extent of Inferred Mineral Resources, illustrated below. The intent of deep drilling is to test continuity of mineralization down dip and to potentially follow up with further downhole IP to develop deep drilling targets.

## **4.0 Geological Setting**

### **4.1 Regional Geology**

The DGB is situated between two larger greenstone belts; the Hemlo Greenstone Belt to the west and the Kabinakagami Greenstone Belt to the east. These greenstone belts are part of the larger, east trending Schreiber-White River Belt of the Wawa Subprovince of the Superior Craton (Figure 3). The Late Archean DGB trends northwest and forms a narrow, eastward concave crescent. The belt is approximately 36 km in length and varies in width from 1.5 to 5.5 km. Principal lithologies in the belt are moderately to highly deformed metamorphosed volcanics, volcanoclastics and sediments that have been enclosed and intruded by tonalitic to granodioritic quartz-porphyry plutons.

The greenstone belt is bordered to the east by the Strickland Pluton and to the west by the Black Pic Batholith. The Danny Lake Stock borders the south-western edge of the DGB. The Strickland Pluton is characterized by a granodioritic composition, quartz phenocrysts, fine grained titanite, and hematitic fractures. The Black Pic Batholith is similar to the Strickland Pluton, but locally more potassic. The Black Pic Batholith also contains interlayers of monzogranite. The Danny Lake Stock is characterized by hornblende porphyritic quartz monzonite to quartz monzodiorite (G. M. Stott, 1999).

The DGB has been metamorphosed to upper greenschist to amphibolite facies. The Strickland Pluton seems to have squeezed the greenstone belt and imposed upon it a thermal metamorphism. Most of the mafic volcanics are composed primarily of plagioclase and hornblende. Almandine garnets are widely observed in the clastic metasediments and locally, along with pyrope garnets, in the mafic volcanics (G.M. Stott, 1996a,b,c).

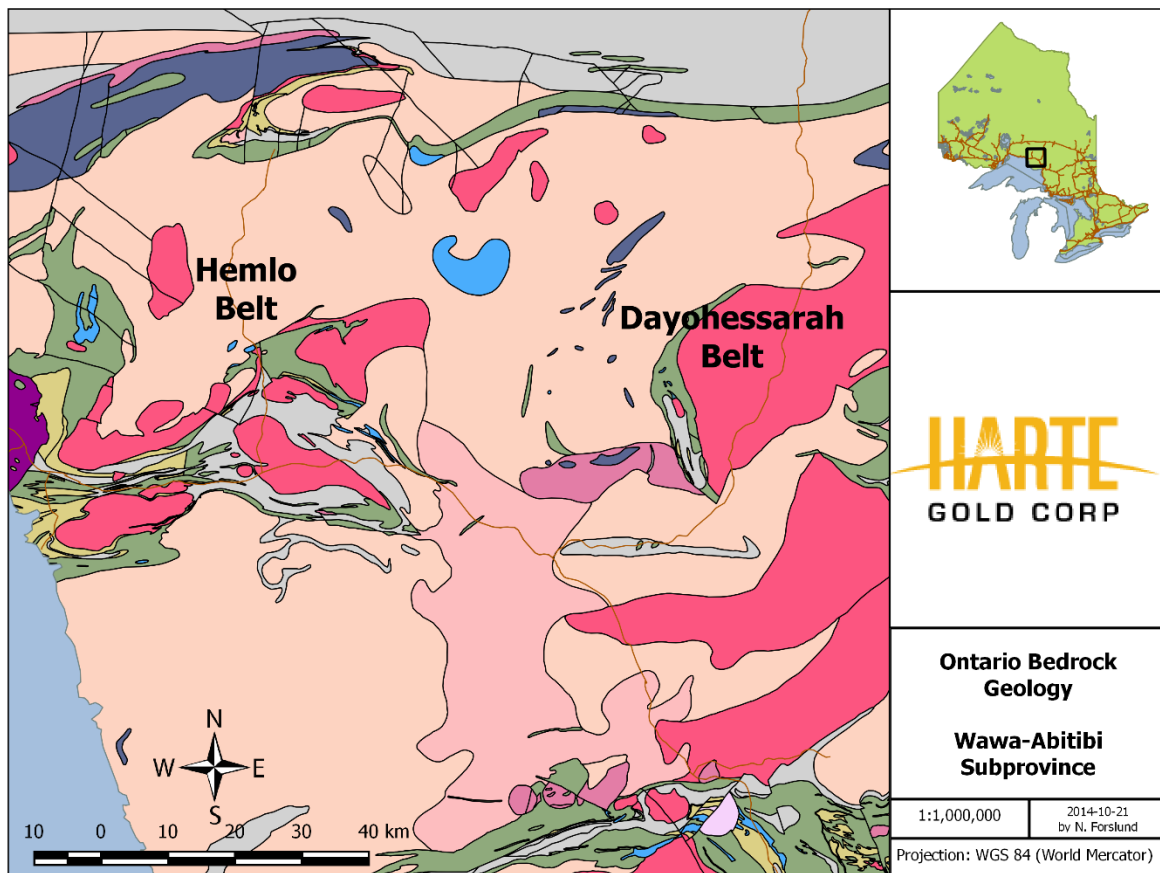


Figure 3 - Regional Geology

Alteration throughout the belt consists of diopside, albitization, weak magnesium biotization, weak carbonatization and moderate to strong silicification which accompanied the emplacement of the porphyry dykes/sills and quartz veining.



The belt has been strongly foliated, flattened and strained. Deformation seen in the supracrustal rocks has been interpreted to be related to the emplacement of the Strickland Pluton. Strongly developed metamorphic mineral lineations in the supracrustal rocks closely compare with the orientations of the quartz phenocryst lineations seen in the Strickland Pluton. This probably reflects a constant strain aureole imposed by the pluton upon the belt (G.M. Stott, 1996a,b,c). The strain fabric is best observed a few hundred meters from the Strickland Pluton in the Sugar Zone, which has been characterized as the most severely strained part of the belt. The Sugar Zone is defined by sets of parallel mineralized quartz veining, quartz flooding of strongly altered wall-rock, thin intermediate porphyry lenses and dykes/sills parallel to stratigraphy and foliation, and gold mineralization.

Foliations and numerous top indicators define a synclinal fold in the central portion of the belt. The synclinal fold has been strongly flattened and stands upright with the fold hinge open to the south and centered along Dayohessarah Lake.

#### **4.2 Property Geology**

Near Dayohessarah Lake, the belt is dominated by a basal sequence of massive to pillowed mafic volcanics, commonly with ellipsoidal, bleached alteration pods, overlain by intermediate tuff and lapilli tuff. The tuffaceous units rapidly grade upwards to a sedimentary sequence consisting of greywacke and conglomerates derived from volcanics, sediments and felsic intrusive sources (G. M. Stott, 1996a,b,c). Several thin, continuous cherty sulphide facies iron formations are found in the mafic volcanic sequence. Spinifex textured komatiitic flows stratigraphically underlie the main sedimentary sequence and can be traced around the north end of Dayohessarah Lake. Also, at the north end of Dayohessarah Lake, mafic and ultramafic sills and stocks underlie the komatiites (Figure 4).

Several fine to medium grained, intermediate feldspar porphyry dykes/sills have intruded and swarmed the belt. Swarming of the intermediate porphyry dykes is more intense east of Dayohessarah Lake. Stott has interpreted the porphyry sills and associated porphyry bodies to be related to the Strickland Pluton. A smaller granitic quartz porphyry body containing some sulphide mineralization is located northwest of Dayohessarah Lake. The porphyritic texture of the dykes/sills is often nearly, or completely, obliterated by the degree of foliation in the greenstone belt, or by the degree of shear in the Sugar Zone. These intermediate dykes/sills vary in abundance across the Property, but increase in regularity within, and around, the Sugar Zone. There is also a consistent, weak pervasive silicic alteration in the intermediate intrusives, as well as consistently trace amounts of very fine-grained disseminated pyrite.

The major linear structure recognized on the Property is the Sugar Deformation Zone ("SDZ"), which trends northwest-southeast for approximately 3.5 km and dips southwest between 65° and 75°. The SDZ appears to be spatially related to the Strickland Pluton and is a complex system with strain intensities varying from strongly deformed-pillow mafic volcanics to undeformed massive mafic flows to anastomosing linear areas. Stratigraphically-conformable porphyritic intermediate intrusions swarm through the SDZ. Both the mafic volcanics and the intermediate intrusives exhibit moderate linear fabrics along with hydrothermal alteration (i.e., silicification).

In general, the north-westerly striking, south-westerly dipping stratigraphy hosting the gold mineralized portions of the Sugar Zone can be subdivided into the following units:

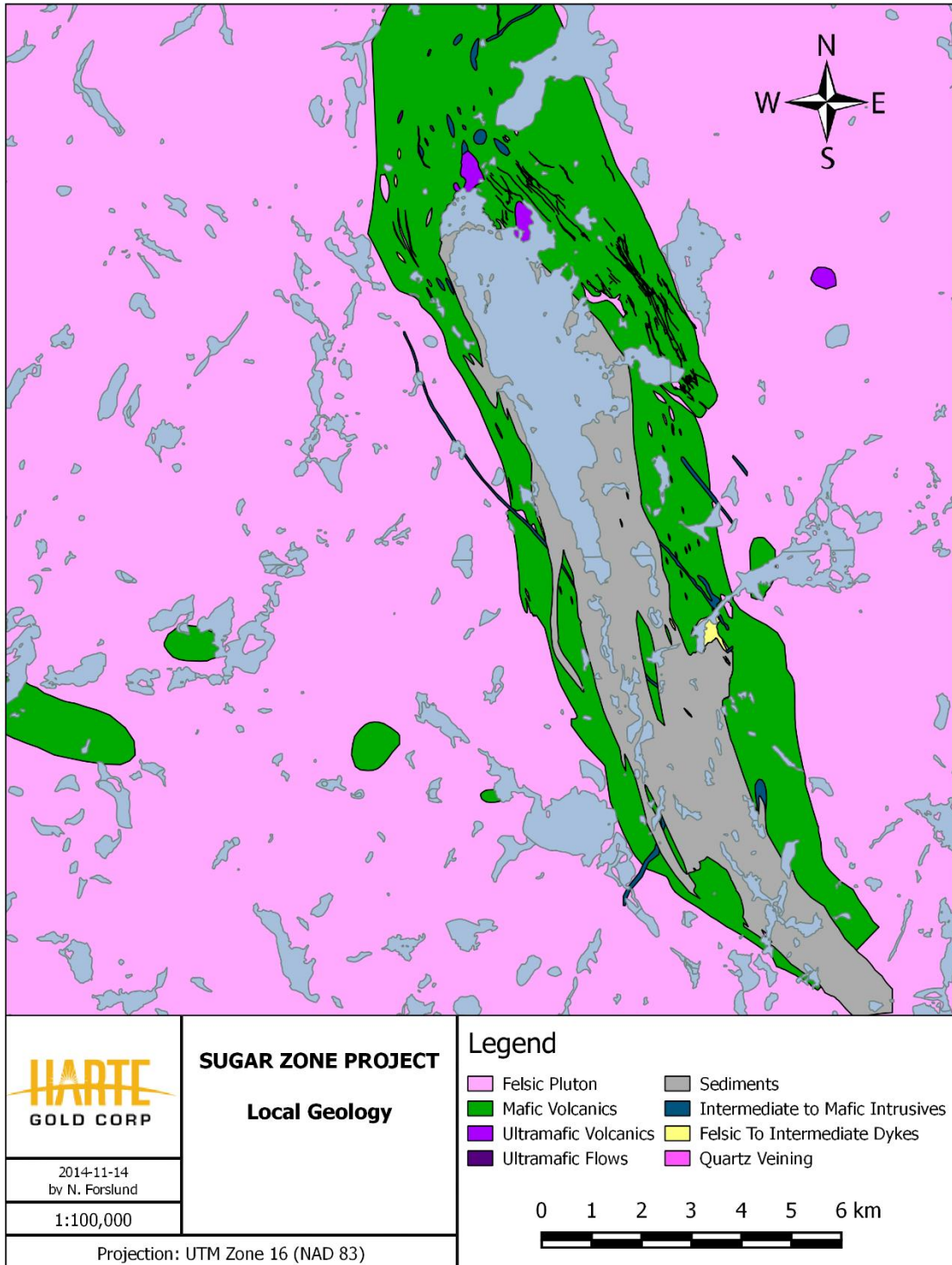


Figure 4 - Property Geology

- Hanging Wall Volcanics;
- Upper Zone (Sugar Zone mineralization);
- Interzone Volcanics;
- Lower Zone (Sugar Zone mineralization);
- Footwall Volcanics

The Hanging Wall, Interzone and Footwall volcanic horizons consist predominantly of massive and pillowed basalt flows generally striking northwest and dipping at an average angle of 64° to the southwest. Coarse to very coarse grained, locally gabbroic-textured phases form a significant component of the Hanging Wall mafic volcanic package. It is believed that these phases represent thick, slowly-cooled portions of the massive mafic flows, as they commonly grade into finer grained, more recognizable basaltic flows, and eventually even pillow flows. In much of the area which drilling on the Sugar Zone was carried out, a distinctive, very coarse grained mafic volcanic flow was observed consistently about 15 m stratigraphically above the Upper Zone. Other than this unit, specific mafic flows, as well as intermediate porphyry units, are nearly impossible to interpret/distinguish between holes.

The Upper and Lower zones range in thickness from 1.5 to 10 m, strike at 140° and dip between 65° and 75° with minor undulations.

The auriferous Wolf Zone lies in the northern extent of the SDZ, but drilling between the two zones indicates that the zones are complexly separate from each other. Like the Sugar Zone, the Wolf Zone is north-north-westerly striking and south-westerly dipping. Unlike the Sugar Zone, there is only one gold mineralized zone, and not two or more parallel zones.

A northerly-striking, sub-vertically dipping, dark grey-black, diabase dyke intrudes the older rock types in the greenstone belt, and crosscuts the SDZ. The diabase obliterates the SDZ when it is encountered. The diabase dyke is aphanitic around the edges and, where thick enough to do so, grades to a coarse-grained euhedral rock in the middle of the dyke. The dyke exhibits very coarse-grained greenish quartz-epidote phenocrysts up to 3 cm across throughout. The dyke is weakly pervasively magnetic. A very small amount of lateral movement of the zones has been interpreted locally on either side of the dyke, suggesting that very minor dyke-related faulting has occurred. There are at least two more diabase dykes on the property. They strike at 35 degrees across the northern portion of the belt. These dykes are up to 40 m across, and are similar in appearance and mineralogy to the dyke that cuts through the Sugar Zone.

Other than the diabase, the youngest intrusive rocks observed on the Property are white to pale grey, fine grained to medium grained and occasionally pegmatitic felsite dykes. The dykes generally consist of varying amounts of plagioclase, quartz and muscovite. These generally thin dykes strike northeast and where they intersect the SDZ, they completely wipe out the zone. These dykes are undeformed and clearly postdate the mineralization and deformation events.

## **5.0 Mineralization**

### **5.1 Sugar Zone**

The auriferous Upper and Lower zones of the Sugar Zone lie within the SDZ. They are defined as highly strained packages consisting of variously altered mafic volcanic flows, intermediate porphyritic intrusions and boudinaged auriferous quartz veins. The two zones range in true thickness from about 1.5 to 10 m, and are separated by 20 to 30 m of barren mafic volcanics. A high-grade section of the Lower zone between lines 13+000N and 12+900N has been the focus of a bulk sample study and is referred to as the Jewelry Box.

Each zone is made up of one or more porphyritic intrusions, flanked by altered basalt and hosting stratigraphically conformable quartz veins. Alteration within the mafic volcanic portions of the zones consists primarily of silicification (both pervasive and as quartz veining), diopside and biotization. The porphyry units of the zones exhibit biotite and silica alteration as well, but no diopside alteration.

The Upper and Lower zones appear geologically consistent both down dip and along strike. The Lower Zone has consistently larger widths, as well as mostly consistently higher grades of gold mineralization, however both the width and the gold grade within each zone seem to follow the same trends across the zone. That is to say, that where the Upper Zone exhibits larger widths and higher gold grades, the Lower Zone also exhibits larger widths and higher gold grades. The zones are observed on surface to pinch and swell over distances of 50 m or more.

Gold mineralization mostly occurs in quartz veins, stringers and quartz flooded zones predominantly associated with porphyry zones, porphyry contact zones, hydrothermally altered basalts and, rarely, weakly altered or unaltered basalt within the Upper and Lower zones.

Fine to coarse grained specks and blebs of visible gold are common in the Sugar Zone quartz veins, usually occurring within marginal, laminated or refractured portions of the veins. The visible gold itself is often observed to be concentrated within thin fractures, indicating some degree of remobilization. Quartz veins and floods also contain varying amounts of pyrrhotite, pyrite, chalcopyrite, galena, sphalerite, molybdenite and arsenopyrite. The presence of galena, sphalerite and/or arsenopyrite is a strong indicator of the presence of visible gold. Pyrite, chalcopyrite and, rarely, molybdenite form a minor component of total sulphides and do not appear to be directly related to the presence of gold mineralization.

Other mineralized zones have been observed between, above and below the Sugar Zone Upper and Lower zones, in diamond drilling. Most of these intercepts are believed to be quartz veining originating in either the Upper or Lower zone, that have been diverted from the sheared part of the zone, up to 30 m from the main bodies of mineralization. One of these zones is the historically discovered Zoe Zone, which has been recently renamed the Lynx Zone, which lies east of the southern end of the Sugar Zone.

### **5.2 Wolf Zone**

The auriferous Wolf Zone lies along strike of the Sugar Zone, and may represent the northern extension of the SDZ. It is defined as highly strained packages consisting of variously altered mafic volcanic flows and gabbro's. The zone ranges in true thickness from 0.5 to 8 m.

The zone is made up of highly sheared mafic volcanics, and a network of intrusive, intermediate quartz-feldspar porphyry dykes/sills. Alteration in the mafic volcanic and gabbro units consists mainly of silicification (both pervasive and quartz veining), diopside alteration and magnesium-rich brown biotite alteration. Alteration within the intermediate porphyry units consist of mostly silicification, with small amounts of magnesium-rich brown biotite, and no diopside. The zone is observed in trenches to pinch and swell over 30 m.

Gold mineralization mostly occurs in quartz veins, stringers and quartz flooded zones predominantly associated with porphyry zones, and hydrothermally altered basalts and gabbro's.

Fine grained specks of visible gold are occasionally observed in the Wolf Zone quartz veins. The visible gold itself is often observed to be concentrated within thin fractures, indicating some degree of remobilization. Quartz veins and floods also contain varying amounts of pyrrhotite, pyrite and occasional galena. The presence of galena is a strong indicator of the presence of visible gold. Pyrite and pyrrhotite form most of the total sulphides, but do not appear to be directly related to the presence of gold mineralization.

## **6.0 2018-2019 Diamond Drilling**

### **6.1 *Sample Collection, Preparation, Analyses and Security***

NQ drill core is placed in core boxes by drillers. All drill core was delivered to the core processing facility in White River, Ontario where it undergoes geotechnical and geological logging by the geotechnician and geologist. The following describes the core logging process:

- The core is oriented in the box with the saddle pointing downhole, and rock quality data (RQD) is collected from each 3m run.
- The geotechnician marks out 1.0m intervals with a blue China marker and prepares a box list stating the length of core in each box. Aluminum tags are made and stapled to the end of each box.
- Core is photographed dry and wet.
- The geologist logs the geology of each hole, paying close attention to lithologies, alteration, structures, veining and mineralization.
- Sample collection begins with the marking of sample intervals with a red China marker by the geologist. The sample is given a sample tag. Sample intervals range from 50cm to 1.5m, and are taken not to cross major lithology boundaries. Standards and blanks are alternately inserted every 10<sup>th</sup> sample for QAQC.
- The core is cut with a Vancor diamond core saw by the geotechnician, and placed back in the box. Half core samples are taken from the box and bagged individually. The technician always takes the back half of the core for shipping, while the front half stays in the box.
- The individually bagged samples are placed in rice bags and delivered to Actlabs in Thunder Bay, Ontario. Samples are delivered either in person by Harte Gold staff, or by Greyhound Bus.

- Core is stored in racks in a locked fenced in yard at the core processing facility in White River, Ontario.

## 6.2 Laboratory Methods

### Sample Preparation

Samples arrive at Actlabs at 217 Round Blvd, Thunder Bay, Ontario, where they are received and documented. Once the samples arrive in the laboratory, Actlabs will ensure that they are prepared properly.

As a routine practice with rock and core, the entire sample is crushed to a nominal minus 10 mesh (1.7 mm), mechanically split (riffle) to obtain a representative sample and then pulverized to at least 95% minus 150 mesh (106 microns).

All of Actlabs steel mills are now mild steel and do not induce Cr or Ni contamination. Quality of crushing and pulverization is routinely checked as part of their quality assurance program. All equipment is cleaned using quartz and air from a compressed air source. Blanks, sample replicates, duplicates, and internal reference materials (both aqueous and geochemical standards) are routinely used as part of Actlabs quality assurance program.

RX1	Crush (<7kg) up to 90% passing 2mm, riffle split (250g) and pulverize (mild steel) to 95% passing 105u. Cleaner sand included
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### 1A2 - (1A2-30 or 50) Au Fire Assay - AA

#### Fire Assay Fusion

A sample size of 5 to 50 grams can be used but the routine size is 30 g for rock pulps, soils or sediments (exploration samples). The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with Ag added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au.

#### AA Finish

The entire Ag dore bead is dissolved in aqua regia and the gold content is determined by AA (Atomic Absorption). AA is an instrumental method of determining element concentration by introducing an element in its atomic form, to a light beam of appropriate wavelength causing the atom to absorb light. The reduction in the intensity of the light beam directly correlates with the concentration of the elemental atomic species. On each tray of 42 samples there is two blanks, three sample duplicates and 2 certified reference materials, one high and one low (QC 7 out of 42 samples). We generally rerun all gold by fire assay gravimetric over 3,000 ppb to ensure accurate values

**Code 1A2 (Fire Assay-AA) Detection Limits (ppb)**

Element	Detection Limit	Upper Limit
Au	5	5,000

**1A3 - (1A3-30 or 50) - Au Fire Assay - Gravimetric**

**Fire Assay**

A sample size of 5 to 50 grams can be used but the routine size is 30 g for rock pulps, soils or sediments (exploration samples). The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with Ag added as a collector and the mixture is placed in a fire clay crucible. The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au.

Au is separated from the Ag in the doré bead by parting with nitric acid. The resulting gold flake is annealed using a torch. The gold flake remaining is weighed gravimetrically on a microbalance.

**Code 1A3 (Fire Assay-Gravimetric) Detection Limits (g/mT)**

Element	Detection Limit	Upper Limit
Au	0.03 (30 g) 0.02 (50 g)	10000

**1A4 and 1A4-1000 - Au Fire Assay-Metallic Screen**

**Metallic Screen**

A representative 500 g split (1,000 g for Code 1A4-1000) is sieved at 100 mesh (149 micron) with fire assays performed on the entire +100 mesh and 2 splits on the -100 mesh fraction. The total amount of sample and the +100 mesh and -100 mesh fraction is weighed for assay reconciliation. Measured amounts of cleaner sand are used between samples and saved to test for possible plating out of gold on the mill. Alternative sieving mesh sizes are available but the user is warned that the finer the grind the more likelihood of gold loss by plating out on the mill.

**Fire Assay**

A sample size of 5 to 50 grams can be used but the routine size is 30 g for rock pulps, soils or sediments (exploration samples). The sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with Ag added as a collector and the mixture is placed in a fire clay crucible.

The mixture is then preheated at 850°C, intermediate 950°C and finish 1060°C with the entire fusion process lasting 60 minutes. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is then placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au.

Au is separated from the Ag in the doré bead by parting with nitric acid. The gold (roasting) flake remaining is weighed gravimetrically on a microbalance. Two splits on the -150 micron fraction are weighed and analyzed by fire assay with a gravimetric finish. A final assay is calculated based on the weight of each separated fraction and obtained Au values.

**Code 1A4 (Fire Assay-Metallic Screen) Detection Limits (g/mT)**

Element	Detection Limit
Au	0.03

**Ultratrace 6 - "Near Total" Digestion - ICP and ICP/MS**

Ultratrace 6 combines the 4-acid digestion (HF, HClO<sub>4</sub>, HNO<sub>3</sub> and HCl) with analysis by ICP and ICP/MS. Resistate minerals are not digested.

**"Near Total" Digestion - ICP Portion**

A 0.25 g sample is digested with four acids beginning with hydrofluoric, followed by a mixture of nitric and perchloric acids, heated using precise programmer-controlled heating in several ramping and holding cycles which takes the samples to incipient dryness. After incipient dryness is attained, samples are brought back into solution using aqua regia.

With this digestion, certain phases may be only partially solubilized. These phases include zircon, monazite, sphene, gahnite, chromite, cassiterite, rutile and barite. Ag greater than 100 ppm and Pb greater than 5000 ppm should be assayed as high levels may not be solubilized. Only sulphide sulfur will be solubilized.

The samples are then analyzed using a Varian ICP. QC for the digestion is 14% for each batch, 5 method reagent blanks, 10 in-house controls, 10 samples duplicates, and 8 certified reference materials. An additional 13% QC is performed as part of the instrumental analysis to ensure quality in the areas of instrumental drift.

**"Near Total" Digestion – ICP/MS Portion**

Additional elements are determined by ICP/MS on the multi-acid digest solution above. The samples are diluted and analyzed on a Perkin Elmer Sciex ELAN 6000, 6100 or 9000 ICP/MS. One blank is run for every 40 samples. In-house control is run every 20 samples. Digested standards are run every 80 samples. After every 15 samples, a digestion duplicate is analyzed. Instrument is recalibrated every 80 samples.



Extraction of each element by 4-Acid Digestion is dependent on mineralogy. Sulphide sulphur and soluble sulphates are extracted.

**Code Ultratrace-6 Elements and Detection Limits (ppm)**

Element	Detection	Upper	Reported	Element	Detection	Upper	Reported
Ag	0.05	100	ICP&ICP/MS	Na	0.01%	3%	ICP
Al	0.01%	10%	ICP	Nb	0.1	500	ICP/MS
As	0.1	10,000	ICP/MS	Nd	0.1	10,000	ICP/MS
Ba	1	5,000	ICP/MS	Ni	0.5	5,000	ICP/MS
Be	0.1	1,000	ICP/MS	P	0.001%	10%	ICP
Bi	0.02	2,000	ICP/MS	Pb	0.5	5,000	ICP/MS
Ca	0.01%	50%	ICP	Pr	0.1	1,000	ICP/MS
Cd	0.1	1,000	ICP/MS	Rb	0.2	5,000	ICP/MS
Ce	0.1	10,000	ICP/MS	Re	0.001	100	ICP/MS
Co	0.1	500	ICP/MS	S+	0.01%	20%	ICP
Cr	1	5,000	ICP/MS	Sb	0.1	500	ICP/MS
Cs	0.05	100	ICP/MS	Sc	1	-	ICP
Cu	0.2	10,000	ICP/MS	Se	0.1	1,000	ICP/MS
Dy	0.1	5,000	ICP/MS	Sm	0.1	100	ICP/MS
Er	0.1	1,000	ICP/MS	Sn	1	200	ICP/MS
Eu	0.05	100	ICP/MS	Sr	0.2	1,000	ICP/MS
Fe	0.01%	50%	ICP	Ta	0.1	1,000	ICP/MS
Ga	0.1	500	ICP/MS	Tb	0.1	100	ICP/MS
Ge	0.1	500	ICP/MS	Te	0.1	500	ICP/MS
Gd	0.1	5,000	ICP/MS	Th	0.1	500	ICP/MS
Hf	0.1	500	ICP/MS	Ti	0.0005%	-	ICP
Hg	10 ppb	10,000	ICP/MS	Tl	0.05	500	ICP/MS
Ho	0.1	1,000	ICP/MS	Tm	0.1	1,000	ICP/MS
In	0.1	100	ICP/MS	U	0.1	10,000	ICP/MS
K	0.01%	5%	ICP	V	1	1,000	ICP/MS
La	0.1	10,000	ICP/MS	W	0.1	200	ICP/MS
Li	0.5	400	ICP/MS	Y	0.1	10,000	ICP/MS
Lu	0.1	100	ICP/MS	Yb	0.1	5,000	ICP/MS
Mg	0.01%	50%	ICP	Zn	0.2	10,000	ICP/MS
Mn	1	10,000	ICP	Zr	1	5,000	ICP/MS
Mo	0.1	10,000	ICP/MS				

### **6.3 2018-2019 Drilling**

Forty-one diamond drill holes totalling 22,282 meters were drilled into the Sugar and Wolf Zones to drill test the on-strike extensions of the Sugar and Wolf Zones where previous drilling encountered gold-bearing zones of interest. Drilling in both areas succeeded in intersecting gold zones of economic interest. .

A summary table of drill hole information is indicated in Table 1.

A geological legend, drill logs, cross sections and plans for all holes are presented in Appendix B to Appendix E, respectively.

### **6.4 Results**

A total of 1,482 core samples were collected for gold by fire assay AA, gravimetric or metallic method. Any sample following an AA finish with a value of over 3 g/t and 10 g/t gold were re-assayed by gravimetric finish and screen metallic assay, respectively. In addition, 97 samples were also analysed by the Ultratrace 6, 61 element “near total digestion” ICP, ICP/MS method.

All of the samples were shipped to Actlabs in Thunder Bay, Ontario.

A summary of assay result for each hole are summarized in Table 2.

Assay certificates from Actlabs can be found in Appendix F. Actlabs invoices are found in Appendix G. Foraco International SA and Chibougamau invoices are in Appendices H and I.

### **7.0 Conclusions and Recommendations**

Between August 26, 2018 and April 23, 2019 Harte Gold Corporation performed a forty-one hole, 22,282 meter diamond drill program at the Sugar and Wolf Zones. Zones of economic interest were intersected in both zones.

This drill report was written from August 10 to August 23, 2020.

### **8.0 Costs**

A total of \$3,408,598 was spent during the Sugar and Wolf Zone drill programs. Costs and cost distribution per claim are summarized in Tables 3 and 4. A summary of drilling cost per hole for Chibougamau Diamond Drilling and Foraco International are available in Tables 5 and 6. Table 7 provides a summary of analytical costs per hole while Table 8 provides a summary of total drilling days and total truck kilometer usage.

**Table 1 – Sugar & Wolf Zones - Drill Hole Summary Table**

# of Holes	Hole ID	Easting	Northing	Azimuth	Dip	Length (m)	Claim #
1	WZ-18-87W	644776.88	5408348.63	55.7	-72.3	600	LEA-109602
2	WZ-18-87W2	644776.88	5408348.63	55.7	-72.3	825	LEA-109602
3	WZ-18-179W5	644712.64	5408406.49	48.3	-78	1098	LEA-109602
4	WZ-18-181	644712.43	5408406.27	58.2	-69.6	900	LEA-109602
5	WZ-18-187	644712.82	5408405.77	54.7	-73.2	408	LEA-109602
6	WZ-18-187W	644712.82	5408405.77	54.7	-73.2	972	LEA-109602
7	WZ-18-188W	644669.26	5408502.46	58.8	-76.9	714	LEA-109602
8	WZ-18-188W3	644669.26	5408502.46	58.8	-76.9	795	LEA-109602
9	WZ-18-197W	645097.48	5407850.6	34.6	-82.5	963	LEA-109602
10	WZ-18-197W2	645097.48	5407850.6	34.6	-82.5	1148	LEA-109602
11	WZ-18-220	644912.73	5407892.73	52.9	-74.6	1302	LEA-109602
12	WZ-18-220W	644912.73	5407892.73	52.9	-74.6	1248	LEA-109602
13	WZ-18-221	644912.72	5407892.82	51.5	-70.4	1206	LEA-109602
14	WZ-18-221W	644912.72	5407892.82	51.5	-70.4	993	LEA-109602
15	WZ-18-221W2	644912.72	5407892.82	51.5	-70.4	990	LEA-109602
16	WZ-18-222	644908.46	5407952.24	49.6	-73.3	564	LEA-109602
17	WZ-18-222W	644908.46	5407952.24	49.6	-73.3	583.5	LEA-109602
18	WZ-18-222W2	644908.46	5407952.24	49.6	-73.3	1070	LEA-109602
19	WZ-18-222W3	644908.46	5407952.24	49.6	-73.3	375	LEA-109602
20	WZ-18-222W4	644908.46	5407952.24	49.6	-73.3	1007.5	LEA-109602
21	WZ-18-223	644954.9	5407839.96	48.1	-76.5	459	LEA-109602
22	WZ-18-223W	644954.9	5407839.96	48.1	-76.5	1272	LEA-109602
23	WZ-18-223W2	644954.9	5407839.96	48.1	-76.5	1176	LEA-109602
24	WZ-19-60	645056.5	5407990.7	53.5	-51.3	1230	LEA-109602
25	WZ-19-197W3	645097.48	5407850.6	34.6	-82.5	1066	LEA-109602
26	WZ-19-224	644831.45	5408058.04	50.6	-70.3	929	LEA-109602
27	WZ-19-227	643741.4	5409673.85	43	-74.6	465	531214
28	SZ-18-257	645527.94	5407130.2	46.5	-66.2	849	LEA-109602
29	SZ-18-257W	645527.94	5407130.2	46.5	-66.2	798	LEA-109602
30	SZ-18-257W2	645527.94	5407130.2	46.5	-66.2	741	LEA-109602
31	SZ-18-258	646065.13	5407262.01	39.7	-59	150	LEA-109602
32	SZ-18-258A	646065.13	5407262.01	39.7	-59	45	LEA-109602
33	SZ-18-259	646066.45	5407262.66	71	-46.9	135.24	LEA-109602
34	SZ-18-261	645588.47	5407053.2	42.8	-83.7	1602	LEA-109602
35	SZ-18-263	645705.64	5406615.12	40.6	-81.3	140	LEA-109593
						1188	LEA-109602
36	WZ-18-203	645103.74	5407747.12	64.8	-80.2	1272	LEA-109602
37	WZ-18-206	645464.5	5408214.2	53.7	-44	110	LEA-109602
38	WZ-18-207	645463.58	5408213.9	54.3	-68	147	LEA-109602
39	WZ-18-208	645445.98	5408222.89	25	-45.3	129	LEA-109602
40	WZ-18-209	645446.49	5408223.36	23.9	-60.4	144	LEA-109602
41	WZ-18-210	645446.59	5408222.95	15	-72	174	LEA-109602

**Table 2 – Sugar & Wolf Zones – Summary of Assay Results Per Hole**

# of Holes	Hole #	Zone	Au g/t	Width (m)	From (m)	To (m)
1	WZ-18-87W	Wolf	NSV			
2	WZ-18-87W2	Wolf	0.54	1.99	790.98	792.97
3	WZ-18-179W5	Middle	5.12	2.25	1045.00	1047.25
4	WZ-18-181	Wolf	2.15	2.18	832.82	835.00
5	WZ-18-187	Wolf	NSV			
6	WZ-18-187W	Wolf	1.99	2.00	913.02	915.20
7	WZ-18-188W	Wolf	NSV			
8	WZ-18-188W3	Wolf	NSV			
9	WZ-18-197W	Middle	NSV			
10	WZ-18-197W2	Middle	12.14	2.00	1099.00	1101.00
11	WZ-18-220	Middle	6.81	2.00	1041.90	1043.90
		Wolf	NSV			
12	WZ-18-220W	Middle	0.42	2.00	905.75	907.75
		FW	4.27	2.00	977.00	979.00
		FW2	4.12	2.48	1000.52	1003.00
13	WZ-18-221	Middle	7.39	2.06	927.10	929.16
14	WZ-18-221W	Middle	NSV			
		FW	1.09	2.00	926.00	928.00
		FW2	5.14	2.08	959.72	961.80
15	WZ-18-221W2	Middle	NSV			
		FW	10.27	1.58	911.42	913.00
		FW2	1.28	4.70	931.00	935.70
16	WZ-18-222	Middle	NSV			
17	WZ-18-222W	Middle	NSV			
18	WZ-18-222W2	Upper	0.67	1.47	1015.50	1016.97
19	WZ-18-222W3	Middle	NSV			
20	WZ-18-222W4	Middle HW	8.83	2.32	869.30	871.62
		Middle	12.98	3.90	884.00	887.90
21	WZ-18-223	Middle	NSV			
22	WZ-18-223W	Middle	0.09	2.00	1114.00	1116.00
23	WZ-18-223W2	Middle	1.02	1.95	992.00	993.95
24	WZ-19-60	Middle	NSV			
25	WZ-19-197W3	Middle	13.39	3.57	950.43	954.00
26	WZ-19-224	HW	2.47	1.00	485.00	486.00
		Middle	NSV			
27	WZ-19-227	Fisher	0.33	1.00	361.00	362.00
28	SZ-18-257	Upper	0.16	1.58	710.20	711.78
		Lower	0.02	2.10	752.16	754.26
29	SZ-18-257W	Upper	NSV			
		Lower	0.84	1.34	712.50	713.84
30	SZ-18-257W2	Upper	0.11	1.73	643.95	645.68
		Lower	7.54	1.75	672.00	673.75
31	SZ-18-258	Upper	0.51	1.22	98.92	100.14
		Lower	1.38	1.68	130.13	131.81
32	SZ-18-258A	Upper	NSV			
		Lower	NSV			
33	SZ-18-259	Upper	0.50	1.61	90.54	92.15
		Lower	10.02	1.99	128.43	130.42
34	SZ-18-261	Upper	0.00	0.54	1418.26	1418.80
		Lower	0.00	1.90	1494.80	1496.70
35	SZ-18-263	Upper	NSV			
		Lower	NSV			
36	WZ-18-203	Middle	0.46	3.46	1144.54	1148.00
37	WZ-18-206	Middle	1.22	3.00	86.70	89.70
38	WZ-18-207	Middle	16.44	2.52	109.53	112.05
39	WZ-18-208	Middle	NSV			
40	WZ-18-209	Middle	NSV			
41	WZ-18-210	Middle	NSV			

**Table 3 – Sugar & Wolf Zones - Summary of Costs**

Activity	Units		Cost per Unit		Total	%
Drilling (41 holes)	22,282	meters	@	\$136.23	per meter	\$3,035,577 89.1%
Planning/Supervision	239	man-days	@	\$692.28	per day	\$ 165,455 4.9%
Drill Geologist	239	man-days	@	\$285.56	per day	\$ 68,249 2.0%
Core Cutter	239	man-days	@	\$220.00	per day	\$ 52,580 1.5%
Assays	1482	samples	@	\$19.30	per sample	\$ 28,599 0.8%
Truck Km Charge	11,808	km	@	\$0.50	per km	\$ 5,904 0.2%
Room & Board - Supervisor	239	man-days	@	\$89.00	per day	\$ 21,271 0.6%
Room & Board - Geologist	239	man-days	@	\$89.00	per day	\$ 21,271 0.6%
Report Writing	14	man-days	@	\$692.28	per day	\$ 9,692 0.3%
<b>Total Drill Cost</b>						<b>\$3,408,598 100.0%</b>
					<b>Ave. \$/m</b>	<b>\$ 152.97</b>

**Table 4 – Sugar & Wolf Zones - Cost Per Claim**

Claim #	531214	LEA-109593	LEA-109602	Totals
<b>Meters/Claim</b>	<b>465</b>	<b>140</b>	<b>21,677</b>	<b>22,282</b>
<b>% of Total Meters</b>	<b>2.09%</b>	<b>0.63%</b>	<b>97.28%</b>	<b>100.00%</b>
<b>Activity</b>	<b>\$/Claim</b>	<b>\$/Claim</b>	<b>\$/Claim</b>	
Drill Cost	\$37,688	\$19,132	\$2,978,757	\$3,035,577
Planning/Supervision	\$3,453	\$1,040	\$160,963	\$165,455
Drill Geologist	\$1,424	\$429	\$66,396	\$68,249
Core Cutter	\$1,097	\$330	\$51,152	\$52,580
Assay Cost	\$0	\$1,690	\$26,909	\$28,599
Truck Km Charge	\$123	\$37	\$5,744	\$5,904
Room - Supervisor	\$444	\$134	\$20,693	\$21,271
Room - Geologist	\$444	\$134	\$20,693	\$21,271
Report Writing	\$202	\$61	\$9,429	\$9,692
<b>Total Cost/Claim</b>	<b>\$44,875</b>	<b>\$22,986</b>	<b>\$3,340,737</b>	<b>\$3,408,598</b>

**Table 5 – Sugar & Wolf Zones – Chibougamau DDH Program Cost Summary**

	<b>DDH &amp; Cost Item</b>	<b>Invoice Cost</b>	<b>Total Meters</b>	<b>\$/Meter</b>	<b>Invoice #</b>	<b>Claim #</b>	<b>m/Claim</b>	<b>Start Date</b>	<b>End Date</b>
1	<b>WZ-18-87W</b>								
	NW casing								
	NQ drilling	\$15,276.75							
	Reflex tests	\$800.00							
	Waterline								
	Material left in hole	\$6,045.00							
	Man/Machine hours	\$14,400.00							
	Handling cost	\$2,247.33							
	Excavator rental								
	Reflex rental								
	APS Rental	\$303.31							
	<b>Total Cost for hole</b>	<b>\$39,072.39</b>	205.45	\$190.18	24131, 24175	LEA-109602	205.45	30-Sep-18	06-Oct-18
2	<b>WZ-18-87W2</b>								
	NW casing								
	NQ drilling	\$21,306.75							
	Reflex tests	\$1,320.00							
	Waterline								
	Material left in hole	\$1,465.00							
	Man/Machine hours	\$12,435.00							
	Handling cost	\$1,288.50							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$37,815.25</b>	229.25	\$164.95	24176, 24177	LEA-109602	229.25	05-Oct-18	11-Oct-18
3	<b>WZ-18-179W5</b>								
	NW casing								
	NQ drilling	\$35,339.25							
	Reflex tests	\$1,340.00							
	Waterline								
	Material left in hole	\$14,650.00							
	Man/Machine hours	\$1,575.00							
	Handling cost	\$1,622.50							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$54,526.75</b>	304.5	\$179.07	24044, 24045	LEA-109602	304.5	26-Aug-18	01-Sep-18
4	<b>WZ-18-181</b>								
	NW casing	\$1,095.00							
	NQ drilling	\$69,075.00							
	Reflex tests	\$3,000.00							
	Waterline								
	Material left in hole	\$2,500.00							
	Man/Machine hours	\$16,590.00							
	Handling cost	\$2,727.50							
	Excavator rental	\$7,500.00							
	Reflex rental	\$2,650.00							
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$105,137.50</b>	900	\$116.82	24088, 24125 24126	LEA-109602	900	11-Sep-18	23-Sep-18
5	<b>WZ-18-187</b>								
	NW casing	\$375.00							
	NQ drilling	\$26,073.00							
	Reflex tests	\$1,100.00							
	Waterline								
	Material left in hole	\$3,690.00							
	Man/Machine hours	\$4,950.00							
	Handling cost	\$807.75							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$36,995.75</b>	408	\$90.68	24045, 24086	LEA-109602	408	01-Sep-18	03-Sep-18

6	<b>WZ-18-187W</b>								
	NW casing								
	NQ drilling	\$51,842.25							
	Refelx tests	\$2,320.00							
	Waterline								
	Material left in hole	\$2,275.00							
	Man/Machine hours	\$1,575.00							
	Handling cost	\$385.00							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$58,397.25</b>	568.5	\$102.72	24087, 24088	LEA-109602	568.5	03-Sep-18	12-Sep-18
7	<b>WZ-18-188W</b>								
	NW casing	\$375.00							
	NQ drilling	\$31,992.75							
	Refelx tests	\$1,600.00							
	Waterline								
	Material left in hole	\$2,475.00							
	Man/Machine hours	\$6,922.50							
	Handling cost	\$882.00							
	Excavator rental								
	Reflex rental	\$15.00							
	APS Rental	\$700.00							
	<b>Total Cost for hole</b>	<b>\$44,962.25</b>	182.59	\$246.25	24090, 24091	LEA-109602	182.59	04-Sep-18	08-Sep-18
8	<b>WZ-18-188W3</b>								
	NW casing								
	NQ drilling	\$18,231.75							
	Refelx tests	\$960.00							
	Waterline								
	Material left in hole	\$3,990.00							
	Man/Machine hours	\$15,075.00							
	Handling cost	\$956.00							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$39,212.75</b>	386.5	\$101.46	24128, 24129	LEA-109602	386.5	16-Sep-18	22-Sep-18
9	<b>WZ-18-197W</b>								
	NW casing								
	NQ drilling	\$44,148.00							
	Refelx tests	\$1,880.00							
	Waterline	\$1,560.00							
	Material left in hole	\$1,950.00							
	Man/Machine hours	\$9,450.00							
	Handling cost	\$838.75							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$59,826.75</b>	467.94	\$127.85	24375, 24376	LEA-109602	467.94	04-Dec-18	12-Dec-18
10	<b>WZ-18-197W2</b>								
	NW casing								
	NQ drilling	\$69,385.50							
	Refelx tests	\$2,840.00							
	Waterline	\$2,301.40							
	Material left in hole	\$6,755.00							
	Man/Machine hours	\$28,365.00							
	Handling cost	\$2,037.00							
	Excavator rental								
	Reflex rental	\$1,060.00							
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$112,743.90</b>	638	\$176.71	24376, 24377 24431, 24432	LEA-109602	638	11-Dec-18	20-Jan-19

11	<b>WZ-18-220</b>								
	NW casing	\$375.00							
	NQ drilling	\$124,200.00							
	Refelx tests	\$4,880.00							
	Waterline								
	Material left in hole	\$11,205.00							
	Man/Machine hours	\$5,400.00							
	Handling cost	\$1,316.75							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$147,376.75</b>	1302	\$113.19	24126, 24127 24172, 24173	LEA-109602	1302	23-Sep-18	09-Oct-18
12	<b>WZ-18-220W</b>								
	NW casing	\$720.00							
	NQ drilling	\$97,040.25							
	Refelx tests	\$3,920.00							
	Waterline								
	Material left in hole	\$9,375.00							
	Man/Machine hours	\$5,512.50							
	Handling cost	\$3,188.00							
	Excavator rental	\$7,500.00							
	Reflex rental	\$2,650.00							
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$129,905.75</b>	952.5	\$136.38	24173, 24174 24224, 24225	LEA-109602	952.5	10-Oct-18	26-Oct-18
13	<b>WZ-18-221</b>								
	NW casing	\$187.50							
	NQ drilling	\$108,787.50							
	Refelx tests	\$4,280.00							
	Waterline	\$1,090.00							
	Material left in hole	\$8,005.00							
	Man/Machine hours	\$3,825.00							
	Handling cost	\$744.00							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$126,919.00</b>	1206	\$105.24	24225, 24226 24278, 24279	LEA-109602	1206	24-Oct-18	06-Nov-18
14	<b>WZ-18-221W</b>								
	NW casing								
	NQ drilling	\$61,710.75							
	Refelx tests	\$2,720.00							
	Waterline	\$2,325.00							
	Material left in hole	\$9,234.40							
	Man/Machine hours	\$4,050.00							
	Handling cost	\$2,032.44							
	Excavator rental								
	Reflex rental	\$2,650.00							
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$84,722.59</b>	697	\$121.55	24279, 24280 24281	LEA-109602	697	07-Nov-18	16-Nov-18
15	<b>WZ-18-221W2</b>								
	NW casing	\$720.00							
	NQ drilling	\$56,646.75							
	Refelx tests	\$2,520.00							
	Waterline	\$2,085.00							
	Material left in hole	\$11,770.00							
	Man/Machine hours	\$6,930.00							
	Handling cost	\$1,942.00							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$82,613.75</b>	624	\$132.39	24334, 24335 24336	LEA-109602	624	16-Nov-18	25-Nov-18



16	<b>WZ-18-222</b>								
	NW casing	\$375.00							
	NQ drilling	\$37,671.00							
	Refelx tests	\$1,600.00							
	Waterline	\$1,880.00							
	Material left in hole	\$3,530.00							
	Man/Machine hours	\$4,162.50							
	Handling cost	\$769.25							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$49,987.75</b>	564	\$88.63	24284	LEA-109602	564	04-Nov-18	09-Nov-18
17	<b>WZ-18-222W</b>								
	NW casing								
	NQ drilling	\$1,836.00							
	Refelx tests	\$200.00							
	Waterline	\$80.00							
	Material left in hole	\$4,330.00							
	Man/Machine hours	\$10,012.50							
	Handling cost								
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$16,458.50</b>	22.8	\$721.86	24285	LEA-109602	22.8	09-Nov-18	10-Nov-18
18	<b>WZ-18-222W2</b>								
	NW casing								
	NQ drilling	\$52,912.50							
	Refelx tests	\$2,800.00							
	Waterline	\$1,730.00							
	Material left in hole	\$7,570.00							
	Man/Machine hours	\$31,837.50							
	Handling cost	\$4,830.50							
	Excavator rental								
	Reflex rental	\$2,650.00							
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$104,330.50</b>	519.5	\$200.83	24285, 24286 24338, 24339	LEA-109602	519.5	11-Nov-18	23-Nov-18
19	<b>WZ-18-222W3</b>								
	NW casing								
	NQ drilling	\$5,427.75							
	Refelx tests	\$400.00							
	Waterline	\$265.00							
	Material left in hole	\$3,320.00							
	Man/Machine hours	\$4,950.00							
	Handling cost	\$1,304.50							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$15,667.25</b>	79.85	\$196.21	24339, 24340	LEA-109602	79.85	23-Nov-18	25-Nov-18
20	<b>WZ-18-222W4</b>								
	NW casing	\$720.00							
	NQ drilling	\$60,716.25							
	Refelx tests	\$2,440.00							
	Waterline	\$2,241.67							
	Material left in hole	\$6,650.00							
	Man/Machine hours	\$6,840.00							
	Handling cost	\$987.75							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$80,595.67</b>	673.2	\$119.72	24340, 24374 24375	LEA-109602	673.2	25-Nov-18	04-Dec-18

21	<b>WZ-18-223</b>								
	NW casing	\$375.00							
	NQ drilling	\$29,638.50							
	Refelx tests	\$1,300.00							
	Waterline	\$1,713.60							
	Material left in hole	\$3,495.00							
	Man/Machine hours	\$3,450.00							
	Handling cost	\$694.50							
	Excavator rental								
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$40,666.60</b>	459	\$88.60	24336	LEA-109602	459	25-Nov-18	29-Nov-18
22	<b>WZ-18-223W</b>								
	NW casing								
	NQ drilling	\$90,030.75							
	Refelx tests	\$3,700.00							
	Waterline	\$3,052.00							
	Material left in hole	\$8,680.00							
	Man/Machine hours	\$29,700.00							
	Handling cost	\$1,449.00							
	Excavator rental	\$7,500.00							
	Reflex rental								
	APS Rental								
	<b>Total Cost for hole</b>	<b>\$144,111.75</b>	817.78	\$176.22	24337, 24371 24372	LEA-109602	817.78	28-Nov-18	14-Dec-18
23	<b>WZ-18-223W2</b>								
	NW casing	\$720.00							
	NQ drilling	\$77,105.25							
	Refelx tests	\$2,740.00							
	Waterline	\$2,503.20							
	Material left in hole	\$22,915.00							
	Man/Machine hours	\$6,896.50							
	Handling cost	\$5,420.27							
	Excavator rental	\$7,500.00							
	Reflex rental	\$1,652.68							
	APS Rental				24431				
	<b>Total Cost for hole</b>	<b>\$127,452.90</b>	670.5	\$190.09	24372, 24373 24405, 24406	LEA-109602	670.5	12-Dec-18	21-Jan-19
24	<b>WZ-19-60</b>								
	NW casing								
	NQ drilling	\$73,911.00							
	Refelx tests	\$2,760.00							
	Waterline	\$872.00							
	Material left in hole	\$4,270.00							
	Man/Machine hours	\$8,940.00							
	Handling cost	\$1,382.25							
	Excavator rental								
	Reflex rental	\$1,148.33							
	APS Rental				24787, 24802				
	<b>Total Cost for hole</b>	<b>\$93,283.58</b>	654	\$142.64	24785, 24786	LEA-109602	654	08-Apr-19	18-Apr-19
25	<b>WZ-19-197W3</b>								
	NW casing								
	NQ drilling	\$63,917.75							
	Refelx tests	\$2,620.00							
	Waterline	\$2,820.30							
	Material left in hole	\$4,380.00							
	Man/Machine hours	\$7,395.00							
	Handling cost	\$2,275.64							
	Excavator rental								
	Reflex rental	\$2,650.00							
	APS Rental	\$383.88			24434				
	<b>Total Cost for hole</b>	<b>\$86,442.57</b>	671.58	\$128.72	24432, 24433	LEA-109602	671.58	19-Apr-19	23-Apr-19

26	<b>WZ-19-224</b>																
	NW casing	\$375.00															
	NQ drilling	\$72,511.50															
	Reflex tests	\$3,140.00															
	Waterline	\$4,645.00															
	Material left in hole	\$9,430.00															
	Man/Machine hours	\$11,590.00															
	Handling cost	\$1,767.50															
	Excavator rental	\$7,500.00															
	Reflex rental	\$2,650.00															
	APS Rental								24531, 24532								
	<b>Total Cost for hole</b>	<b>\$113,609.00</b>	929	\$122.29	24472, 24473	LEA-109602	929	09-Feb-19	20-Feb-19								
27	<b>WZ-19-227</b>																
	NW casing	\$1,095.00															
	NQ drilling	\$33,297.50															
	Reflex tests	\$1,220.00															
	Waterline	\$1,116.00															
	Material left in hole	\$585.00															
	Man/Machine hours	\$112.50															
	Handling cost	\$261.75															
	Excavator rental																
	Reflex rental																
	APS Rental																
	<b>Total Cost for hole</b>	<b>\$37,687.75</b>	465	\$81.05	24803	531214	465	19-Apr-19	23-Apr-19								
	<b>Total Cost of 2019 Pgm</b>	<b>\$2,070,522.20</b>															
	<b>Total Meters of 2019 Pgm</b>		<b>15598.44</b>														
	<b>Average Cost/m</b>			<b>\$132.74</b>													

**Table 6 – Sugar & Wolf Zones – Foraco DDH Program Cost Summary**

	Invoice #1809398		Invoice #1809421		Invoice #		Invoice #		Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
28	<b>SZ-18-257</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$50,104.20	585	\$33,361.20	264													
	Survey Tool Rental	\$587.50		\$391.66														
	Equipment Charges	\$0.00		\$0.00														
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$50,691.70</b>	<b>585</b>	<b>\$33,752.86</b>	<b>264</b>				<b>\$84,444.56</b>	<b>849</b>	<b>\$99.46</b>	<b>LEA-109602</b>	<b>849</b>	<b>100%</b>	<b>\$84,444.56</b>	<b>09-Sep-19</b>	<b>21-Sep-18</b>	
29	<b>SZ-18-257W</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$59,795.00	361															
	Survey Tool Rental	\$391.67																
	Equipment Charges	\$0.00																
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$60,186.67</b>	<b>361</b>						<b>\$60,186.67</b>	<b>361</b>	<b>\$166.72</b>	<b>LEA-109602</b>	<b>361</b>	<b>100%</b>	<b>\$60,186.67</b>	<b>21-Sep-18</b>	<b>29-Sep-18</b>	
30	<b>SZ-18-257W2</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$17,387.00	29	\$45,234.20	439													
	Survey Tool Rental	\$391.67		\$587.50														
	Equipment Charges	\$0.00		\$870.00														
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$17,778.67</b>	<b>29</b>	<b>\$46,691.70</b>	<b>439</b>				<b>\$64,470.37</b>	<b>468</b>	<b>\$137.76</b>	<b>LEA-109602</b>	<b>468</b>	<b>100%</b>	<b>\$64,470.37</b>	<b>30-Sep-18</b>	<b>07-Oct-18</b>	
31	<b>SZ-18-258</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$14,193.00	150															
	Survey Tool Rental	\$195.83																
	Equipment Charges	\$145.00																
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$14,533.83</b>	<b>150</b>						<b>\$14,533.83</b>	<b>150</b>	<b>\$96.89</b>	<b>LEA-109602</b>	<b>150</b>	<b>100%</b>	<b>\$14,533.83</b>	<b>05-Oct-18</b>	<b>07-Oct-18</b>	
32	<b>SZ-18-258A</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$13,033.20	45															
	Survey Tool Rental	\$195.83																
	Equipment Charges	\$145.00																
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$13,374.03</b>	<b>45</b>						<b>\$13,374.03</b>	<b>45</b>	<b>\$297.20</b>	<b>LEA-109602</b>	<b>45</b>	<b>100%</b>	<b>\$13,374.03</b>	<b>04-Oct-18</b>	<b>05-Oct-18</b>	
33	<b>SZ-18-259</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$14,521.00	135															
	Survey Tool Rental	\$195.83																
	Equipment Charges	\$145.00																
	Core Boxes																	
	<b>Total Cost for hole</b>	<b>\$14,861.83</b>	<b>135</b>						<b>\$14,861.83</b>	<b>135</b>	<b>\$110.09</b>	<b>LEA-109602</b>	<b>135</b>	<b>100%</b>	<b>\$14,861.83</b>	<b>07-Oct-18</b>	<b>09-Oct-18</b>	
34	<b>SZ-18-261</b>	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date
	NQ drilling	\$65,158.20	666	\$95,793.00	438	\$82,455.00	267											
	Survey Tool Rental	\$587.50		\$1,175.00		\$1,175.00												
	Equipment Charges	\$870.00		\$0.00		\$2,900.00												
	Core Boxes			\$21,169.00														
	<b>Total Cost for hole</b>	<b>\$66,615.70</b>	<b>666</b>	<b>\$118,136.00</b>	<b>438</b>	<b>\$86,530.00</b>	<b>267</b>		<b>\$271,281.70</b>	<b>1371</b>	<b>\$197.87</b>	<b>LEA-109602</b>	<b>1371</b>	<b>100%</b>	<b>\$271,281.70</b>	<b>08-Oct-18</b>	<b>23-Nov-18</b>	

	Invoice #1811496		Invoice #1811522		Invoice #1812557		Invoice #												
35	SZ-18-263	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$79,792.50	882	\$94,976.50	425	\$4,363.50	21												
	Survey Tool Rental	\$587.50		\$1,175.00		\$587.50													
	Equipment Charges	\$0.00		\$0.00		\$0.00													
	Core Boxes																		
	<b>Total Cost for hole</b>	\$80,380.00	882	\$96,151.50	425	\$4,951.00	21			<b>\$181,482.50</b>	<b>1328</b>	<b>\$136.66</b>	LEA-109563	140	11%	<b>\$19,132.19</b>			
													LEA-109602	1188	89%	<b>\$162,350.31</b>			
														1328	100%	<b>\$181,482.50</b>	03-Nov-18	04-Dec-18	
36	WZ-18-203	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$137,929.00	1013	\$48,872.50	259														
	Survey Tool Rental	\$587.50		\$694.38															
	Equipment Charges	\$0.00																	
	Core Boxes																		
	<b>Total Cost for hole</b>	\$138,516.50	1013	\$49,566.88	259					<b>\$188,083.38</b>	<b>1272</b>	<b>\$147.86</b>	LEA-109602	1272	100%	<b>\$188,083.38</b>	01-Sep-18	23-Sep-18	
37	WZ-18-206	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$15,082.20	110																
	Survey Tool Rental	\$694.38																	
	Equipment Charges																		
	Core Boxes																		
	<b>Total Cost for hole</b>	\$15,776.58	110							<b>\$15,776.58</b>	<b>110</b>	<b>\$143.42</b>	LEA-109602	110	100%	<b>\$15,776.58</b>	24-Sep-18	28-Sep-18	
38	WZ-18-207	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$13,157.20	147																
	Survey Tool Rental	\$694.38																	
	Equipment Charges																		
	Core Boxes																		
	<b>Total Cost for hole</b>	\$13,851.58	147							<b>\$13,851.58</b>	<b>147</b>	<b>\$94.23</b>	LEA-109602	147	100%	<b>\$13,851.58</b>	27-Sep-18	29-Sep-18	
39	WZ-18-208	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$3,909.20	27	\$8,560.10	102														
	Survey Tool Rental	\$694.37		\$195.83															
	Equipment Charges	\$0.00		\$145.00															
	Core Boxes																		
	<b>Total Cost for hole</b>	\$4,603.57	27	\$8,900.93	102					<b>\$13,504.50</b>	<b>129</b>	<b>\$104.69</b>	LEA-109602	129	100%	<b>\$13,504.50</b>	30-Sep-18	02-Oct-18	
40	WZ-18-209	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$12,597.30	144																
	Survey Tool Rental	\$195.83																	
	Equipment Charges	\$145.00																	
	Core Boxes																		
	<b>Total Cost for hole</b>	\$12,938.13	144							<b>\$12,938.13</b>	<b>144</b>	<b>\$89.85</b>	LEA-109602	144	100%	<b>\$12,938.13</b>	01-Oct-18	04-Oct-18	
41	WZ-18-210	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Invoice Cost	Meters	Total Invoice Cost	Total Meters	\$/Meter	Claim #	m/Claim	%/claim	\$/claim	Start Date	End Date	
	NQ drilling	\$15,571.10	175																
	Survey Tool Rental	\$694.37																	
	Equipment Charges	\$0.00																	
	Core Boxes																		
	<b>Total Cost for hole</b>	\$16,265.47	175							<b>\$16,265.47</b>	<b>175</b>	<b>\$92.95</b>	LEA-109602	175	100%	<b>\$16,265.47</b>	29-Sep-18	30-Sep-18	
	<b>Total Cost of 2018 Pgm</b>									<b>\$965,055.13</b>									
	<b>Total Meters of 2018 Pgm</b>										<b>6684</b>								
	<b>Average Cost/m</b>											<b>\$144.38</b>							

**Table 7 – Sugar & Wolf Zones – Analytical Cost Summary**

BHID	COA NUMBER	SAMPLE_NUMBER	SAMPLE_NUMBER	SAMPLE_NUMBER		RX1-1-T (57/sample)	1A2 (58/sample)	1A3 (58/sample)	1A4 (\$40/sample)	50% Rush	100% Rush	125% Rush	Subtotal Cost	Claim #
1	WZ-18-87W	A18-14724	787117	787128	12	12	12						\$180.00	
	Total					12							\$180.00	LEA-109602
2	WZ-18-87W2	A18-15234	787129	787143	15	15	15						\$225.00	
	Total					15							\$225.00	LEA-109602
3	WZ-18-179W5	A18-12511	783077	783095	19	19	19						\$285.00	
		A18-12290	783096	783128	33	33	33	2			1		\$1,008.00	
	Total					52							\$1,293.00	LEA-109602
4	WZ-18-181	A18-13512	783163	783175	13	13	13						\$195.00	
		A18-14333	783176	783205	30	30	30						\$450.00	
	Total					43							\$645.00	LEA-109602
5	WZ-18-187	A18-12593	783129	783132	4	4	4						\$60.00	
	Total					4							\$60.00	LEA-109602
6	WZ-18-187W	A18-12593	783133	783135	3	3	3						\$45.00	
		A18-12949	783136	783162	27	27	27				1		\$895.50	
	Total					30							\$940.50	LEA-109602
7	WZ-18-188W	A18-12593	787061	787065	5	5	5						\$75.00	
	Total					5							\$75.00	LEA-109602
8	WZ-18-188W3	no assays				0							\$0.00	LEA-109602
9	WZ-18-197W	A18-19120	787285	787308	24	24	24						\$346.00	
		A18-19513	787309	787312	4	4	4						\$60.00	
	Total					28							\$406.00	LEA-109602
10	WZ-18-197W2	A18-19513	787313	787325	13	13	13						\$188.00	
		A19-01315	787326	787331	6	6	6						\$83.00	
		A19-01316	787332	787351	20	20	20	1	1				\$348.00	
	Total					39							\$619.00	LEA-109602
11	WZ-18-220	A18-14724	783206	783208	3	3	3						\$45.00	
		A18-14696	783209	783222	14	14	14	2	2	1			\$558.00	
		A18-15234	783223	783232	10	10	10						\$150.00	
	Total					27							\$753.00	LEA-109602
12	WZ-18-220W	A18-16397	783233	783314	82	78	82	4		1			\$1,851.00	
		A18-16716	783315	783316	2	2	2						\$30.00	
	Total					84							\$1,881.00	LEA-109602
13	WZ-18-221	A18-17065	783317	783371	55	52	55	3			1		\$1,656.00	
	Total					55							\$1,656.00	LEA-109602
14	WZ-18-221W	A18-18167	783372	783394	23	22	23						\$338.00	
		A18-18136	783395	783434	40	38	40	3		1			\$915.00	
	Total					63							\$1,253.00	LEA-109602
15	WZ-18-221W2	A18-18476	783435	783500	66	64	66	2	1				\$1,032.00	
	Total					68							\$1,032.00	LEA-109602
16	WZ-18-222	A18-17627	787203	787233	31	29	31						\$451.00	
	Total					31							\$451.00	LEA-109602
17	WZ-18-222W	no assays				0							\$0.00	LEA-109602
18	WZ-18-222W2	A18-18476	787234	787244	11	10	11						\$158.00	
	Total					11							\$158.00	LEA-109602
19	WZ-18-222W3	no assays				0							\$0.00	LEA-109602
20	WZ-18-222W4	A18-18825	787245	787256	12	11	12						\$173.00	
		A18-18823	787257	787284	28	28	28	3	2		1		\$1,034.00	
	Total					40							\$1,207.00	LEA-109602
21	WZ-18-223	no assays				0							\$0.00	LEA-109602
22	WZ-18-223W	A18-18825	783501	783508	8	8	8						\$120.00	
		A18-19120	783509	783512	4	4	4						\$60.00	
		A18-19490	783513	783545	33	32	33				1		\$976.00	
		A18-19513	783546	783550	5	4	5						\$68.00	
	Total					50							\$1,224.00	LEA-109602
23	WZ-18-223W2	A19-01316	783551	783592	42	39	42						\$609.00	
		A19-01316	785364	785366	3	3	4						\$53.00	
	Total					45							\$662.00	LEA-109602
24	WZ-19-60	A19-05885	784182	784191	10	10	10						\$150.00	
	Total					10							\$150.00	LEA-109602
25	WZ-19-197W3	A19-01673	787353	787380	28	27	28						\$413.00	
		A19-01671	787381	787401	21	20	21	5	3				\$488.00	
	Total					49							\$881.00	LEA-109602
26	WZ-19-224	A19-02758	787432	787450	19	37	39						\$571.00	
	Total					39							\$571.00	LEA-109602
27	WZ-19-227	A19-06170	784192	784306	115	110	115						\$1,690.00	
	Total					115							\$1,690.00	531214
28	SZ-18-257	A18-14198	596992	597000	9	166001	166031	31					\$586.00	
		A18-15001	166032	166038	7	7	7						\$105.00	
		A18-15237	166039	166061	23	23	22	23					\$338.00	
	Total					70							\$1,029.00	LEA-109602
29	SZ-18-257W	A18-15236	166062	166085	24	24	23	24					\$353.00	
		A18-15232	166086	166106	21	21	20	21					\$308.00	
		A18-14331	166107	166155	49	49	46	49			1		\$1,428.00	
		A18-15003	166156	166166	11	11	11	11					\$165.00	
		A18-15232	166167	166170	4	4	3	4					\$53.00	
		A18-15231	166171	166181	11	11	11	11					\$165.00	
		A18-15434	166182	166191	10	10	9	10					\$143.00	
	Total					130							\$2,615.00	LEA-109602

30	SZ-18-257W2	A18-15434	166192	166211	20						20	19	20					\$293.00			
		A18-15228	166212	166227	16						16	15	16					\$233.00			
		A18-15237	166228	166240	13						13	12	13					\$188.00			
		A18-15001	166241	166253	13						13	12	13	1	1	1		\$406.50			
		A18-15228	166254	166263	10						10	10	10					\$150.00			
	Total										72							\$1,270.50	LEA-109602		
31	SZ-18-258	A18-15228	160219	160222	4	160243	160250	8			12	11	12	1				\$181.00			
		A18-15434	160223	160242	20	160251	160255	5			25	24	25					\$368.00			
	Total										37							\$549.00	LEA-109602		
32	SZ-18-258A	no assays									0							\$0.00	LEA-109602		
33	SZ-18-259	A18-15488	160256	160263	8	160271	160305	35	160313	160317	5	48	47	48				\$713.00			
		A18-15228	160264	160270	7	160306	160312	7				14	13	14	2	2	1	\$730.50			
	Total										62							\$1,443.50	LEA-109602		
34	SZ-18-261	A18-17628	166264	166291	25						25	25	25					\$375.00			
		A18-19122	166292	166304	12	594773	594776	4			16	16	16					\$240.00			
	Total										41							\$615.00	LEA-109602		
35	SZ-18-263	no assays									0							\$0.00	LEA-109602 LEA-109563		
36	WZ-18-203	A18-12501	160061	160091	31						31	29	31					\$451.00			
		A18-13854	160093	160143	51						51	49	51					\$759.00			
	Total										82							\$1,210.00	LEA-109602		
37	WZ-18-206	A18-14197	160144	160162	19						19	18	19	1				\$556.00			
	Total										19							\$556.00	LEA-109602		
38	WZ-18-207	A18-14440	160163	160180	18						18	17	18	3	1	1		\$607.00			
	Total										18							\$607.00	LEA-109602		
39	WZ-18-208	A18-14693	160197	160205	9						9	9	9	1				\$270.00			
	Total										9							\$270.00	LEA-109602		
40	WZ-18-209	A18-15231	160206	160218	13						13	12	13					\$188.00			
	Total										13							\$188.00	LEA-109602		
41	WZ-18-210	A18-14440	160181	160196	16						16	15	16					\$233.00			
	Total										16							\$233.00	LEA-109602		
										Total Samples	1482							Total Cost	\$28,598.50		
												Ave. \$/sample	\$19.30								

**Table 8 – Total Drilling Days & Truck Kilometer Usage**

Chibougamau - Drill Dates and Chargeable Days*							
# of Holes	DDH #	Start Date	End Date	Total Days	Drill Contractor	Drill #	Chargeable Days*
1	WZ-18-87W	30-Sep-18	06-Oct-18	7	Chibougamau	HC 150-19	0
2	WZ-18-87W2	05-Oct-18	11-Oct-18	7	Chibougamau	HC 150-19	2
3	WZ-18-179W5	26-Aug-18	01-Sep-18	7	Chibougamau	HC 150-17	5
4	WZ-18-181	11-Sep-18	23-Sep-18	13	Chibougamau	HC 150-17	11
5	WZ-18-187	01-Sep-18	03-Sep-18	3	Chibougamau	HC 150-17	0
6	WZ-18-187W	03-Sep-18	12-Sep-18	10	Chibougamau	HC 150-17	7
7	WZ-18-188W	04-Sep-18	08-Sep-18	5	Chibougamau	HC 150-19	0
8	WZ-18-188W3	16-Sep-18	22-Sep-18	7	Chibougamau	HC 150-19	0
9	WZ-18-197W	04-Dec-18	12-Dec-18	9	Chibougamau	HC 150-19	0
10	WZ-18-197W2	11-Dec-18	20-Jan-19	10	Chibougamau	HC 150-19	5
11	WZ-18-220	23-Sep-18	09-Oct-18	17	Chibougamau	HC 150-17	16
12	WZ-18-220W	10-Oct-18	26-Oct-18	17	Chibougamau	HC 150-17	15
13	WZ-18-221	24-Oct-18	06-Nov-18	14	Chibougamau	HC 150-17	11
14	WZ-18-221W	07-Nov-18	16-Nov-18	10	Chibougamau	HC 150-17	7
15	WZ-18-221W2	16-Nov-18	25-Nov-18	10	Chibougamau	HC 150-17	2
16	WZ-18-222	04-Nov-18	09-Nov-18	6	Chibougamau	HC 150-19	3
17	WZ-18-222W	09-Nov-18	10-Nov-18	2	Chibougamau	HC 150-19	0
18	WZ-18-222W2	11-Nov-18	23-Nov-18	13	Chibougamau	HC 150-19	7
19	WZ-18-222W3	23-Nov-18	25-Nov-18	3	Chibougamau	HC 150-19	0
20	WZ-18-222W4	25-Nov-18	04-Dec-18	10	Chibougamau	HC 150-19	9
21	WZ-18-223	25-Nov-18	29-Nov-18	6	Chibougamau	HC 150-17	0
22	WZ-18-223W	28-Nov-18	14-Dec-18	17	Chibougamau	HC 150-17	10
23	WZ-18-223W2	12-Dec-18	21-Jan-19	11	Chibougamau	HC 150-17	1
24	WZ-19-60	08-Apr-19	18-Apr-19	11	Chibougamau	HC 150-19	11
25	WZ-19-197W3	21-Jan-19	31-Jan-19	5	Chibougamau	HC 150-19	10
26	WZ-19-224	09-Feb-19	20-Feb-19	12	Chibougamau	HC 150-19	12
27	WZ-19-227	19-Apr-19	23-Apr-19	5	Chibougamau	HC 150-19	5
						<b>Total</b>	<b>149</b>
Foraco - Drill Dates and Chargeable Days*							
# of Holes	DDH #	Start Date	End Date	Total Days	Drill Contractor	Drill #	Chargeable Days*
28	SZ-18-257	09-Sep-18	21-Sep-18	13	Foraco	20	0
29	SZ-18-257W	21-Sep-18	29-Sep-18	9	Foraco	20	6
30	SZ-18-257W2	30-Sep-18	07-Oct-18	9	Foraco	20	7
31	SZ-18-258	05-Oct-18	07-Oct-18	3	Foraco	33	0
32	SZ-18-258A	04-Oct-18	05-Oct-18	2	Foraco	33	0
33	SZ-18-259	07-Oct-18	09-Oct-18	3	Foraco	33	2
34	SZ-18-261	08-Oct-18	23-Nov-18	16	Foraco	20	45
35	SZ-18-263	03-Nov-18	04-Dec-18	32	Foraco	19	11
36	WZ-18-203	01-Sep-18	23-Sep-18	23	Foraco	33	18
37	WZ-18-206	24-Sep-18	28-Sep-18	5	Foraco	33	0
38	WZ-18-207	27-Sep-18	29-Sep-18	3	Foraco	33	0
39	WZ-18-208	30-Sep-18	02-Oct-18	3	Foraco	33	0
40	WZ-18-209	01-Oct-18	04-Oct-18	4	Foraco	33	0
41	WZ-18-210	29-Sep-18	30-Sep-18	2	Foraco	33	1
						<b>Total</b>	<b>90</b>
*Chargeable days are related to the salary and R&B cost for the Chief Exploration Geologist (supervising Chibougamau drilling) or Chief Mine Geologist (supervising Foraco drilling) including those same cost for the core logger and core cutter. Since multiple drills were used by Chibougamau and Foraco, which resulted in overlapping drilling dates, only one day was charged for the chief geologist, core logger and core cutter							
<b>Truck Km Charge</b>							
48 km from WR to Sugar Zone mine site; 96 km return trip							
41 holes x 3 round trips per hole x 96 km/trip = 11,808 km							

## 9.0 References

- Hunt, D.S., 2009. Report on the Summer 2009 exploration program on the Sugar Zone project. Internal report prepared for Corona Gold Corporation and Harte Gold Corp.
- Laarman, J.E., 2014. Report on the Summer 2014 Geologic Mapping. Internal report prepared for Harte Gold Corp.
- Middleton, R.S., Forslund, N.R., Laarman, J., 2015. 2014 Report on Diamond Drilling at the Sugar Zone Property, Dayohessarah Lake Area, White River, Ontario – Part 2. Internal Report for Harte Gold Corp., January 2015.
- Ramsay, J. G. 1980. The crack-seal mechanism of rock deformation. *Nature* 284, 135-139.
- Shegelski, R.J., 2014. Depositional history, structural geology and timing of gold mineralization of the Sugar Zone gold property, Dayohessarah Lake area, White River, Ontario. Internal Report for Harte Gold, September 2014, 21p.
- Stein, H.J, Markey, R.J. and Morgan, J.W., 2000. Robust Re-Os Molybdenite Ages for the Hemlo Au Deposit, Superior Province, Canada. *Journal of Conference Abstracts*, v.5, p955.
- Stott, G.M., 1996a. Precambrian Geology of Dayohessarah Lake Area (North half), Ontario Geological Survey, Preliminary map no. 3309.
- Stott, G.M., 1996b. Precambrian Geology of Dayohessarah Lake Area (Central area), Ontario Geological Survey, Preliminary map no. 3310.
- Stott, G.M., 1996c. Precambrian Geology of Dayohessarah Lake Area (South half), Ontario Geological Survey, Preliminary map no. 3311.



## 10.0 Statement of Qualifications

I, David B. Stevenson, of 2217 Lacewood Drive, Thunder Bay, Ontario, P7K 1C4 hereby certify that:

I am presently employed by Harte Gold Corporation as their Chief Exploration Geologist.

I am a graduate of the University of New Brunswick, B.Sc. (Hons. Geology), 1981 and a graduate of Queen's University, M.Sc. (Minex), 1998.

I have practiced my profession as a geologist for over 35 years in various provinces and territories across Canada as well as Norway.

I am a member in good standing of the Association Professional Geoscientists of Ontario.

I have personal knowledge of the work carried out on the property as described in this report,

I have no personal interest in the property.

Dated this 23<sup>rd</sup> day of Aug, 2020 at Thunder Bay, Ontario.



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David B. Stevenson, M.Sc., P.Geol.

## **Appendix A – Claims List**

**Schedule "A"**  
**Sugar Zone Mining Leases**

Claim #	Twp.	Issued	Anniversary	Area (Ha.)	Reserve	Lease #	Rights	PIN	Reg'd Plan
1069332	HAMBLETON	01-Jun-15	31-May-36	393.38	\$3,828	Lease	CLM514	MR+SR	31054-0003 31054-0004 31054-0005 31054-0006
1069333	HAMBLETON				\$7,320	Lease	CLM514	MR+SR	
1069343	HAMBLETON				\$3,989	Lease	CLM514	MR+SR	
1069344	HAMBLETON				\$851	Lease	CLM514	MR+SR, MRO	
1069345	HAMBLETON				\$3,729	Lease	CLM514	MR+SR, MRO	
1069346	HAMBLETON				\$3,621	Lease	CLM514	MR+SR	
1182993	HAMBLETON				\$1,519	Lease	CLM514	MR+SR	
1232640	GOURLAY				\$302	Lease	CLM514	MR+SR, MRO	
1235595	HAMBLETON				\$3,263	Lease	CLM514	MR+SR, MRO	
1069327	HAMBLETON				01-May-15	30-Apr-36	282.67	\$3,932	
1069328	HAMBLETON	\$6,981	Lease	CLM515				MR+SR	
1069329	HAMBLETON	\$28,415	Lease	CLM515				MR+SR	
1069330	HAMBLETON	\$6,199	Lease	CLM515				MR+SR	
1069331	HAMBLETON	\$7,819	Lease	CLM515				MR+SR	
1069334	HAMBLETON	\$5,851	Lease	CLM515				MR+SR	
1069335	HAMBLETON	\$5,914	Lease	CLM515				MR+SR	
1069336	HAMBLETON	\$32,451	Lease	CLM515				MR+SR	
1069337	HAMBLETON	\$7,427	Lease	CLM515				MR+SR, MRO	
1069338	HAMBLETON	\$1,426	Lease	CLM515				MR+SR, MRO	
1069339	HAMBLETON	\$4,461	Lease	CLM515				MR+SR, MRO	
1069340	HAMBLETON	\$6,587	Lease	CLM515				MR+SR	
1069341	HAMBLETON	\$39,482	Lease	CLM515				MR+SR	
1069342	HAMBLETON	\$120,283	Lease	CLM515				MR+SR	
1069347	HAMBLETON	\$343,207	Lease	CLM515				MR+SR	
1069348	HAMBLETON	\$8,049	Lease	CLM515				MR+SR, MRO	
1069349	HAMBLETON	\$3,569	Lease	CLM515				MR+SR, MRO	
1069350	HAMBLETON	\$7,532	Lease	CLM515				MR+SR, MRO	
1135498	HAMBLETON	\$930,312	Lease	CLM515				MR+SR	
1182994	HAMBLETON	\$1,458,826	Lease	CLM515				MR+SR	
4270162	HAMBLETON				Lease	CLM515	MR+SR		
937770	ODLUM	01-May-15	30-Apr-36	279.83	\$174	Lease	CLM516	MR+SR	31078-0001 Pts. 1-11, 1R-13038
1043803	ODLUM					Lease	CLM516	MR+SR, MRO	
1043811	ODLUM					Lease	CLM516	MR+SR, MRO	
1043812	ODLUM					Lease	CLM516	MR+SR, MRO	
1069356	ODLUM				\$600	Lease	CLM516	MR+SR	
1069357	ODLUM				\$600	Lease	CLM516	MR+SR, MRO	
1069358	ODLUM				\$600	Lease	CLM516	MR+SR, MRO	
1069363	ODLUM				\$382	Lease	CLM516	MR+SR, MRO	
1069364	ODLUM				\$306	Lease	CLM516	MR+SR, MRO	
1069365	ODLUM				\$200	Lease	CLM516	MR+SR, MRO	
1069372	ODLUM					Lease	CLM516	MRO	
1069373	ODLUM					Lease	CLM516	MR+SR, MRO	
1069374	ODLUM				\$102	Lease	CLM516	MR+SR, MRO	
1078250	ODLUM					Lease	CLM516	MR+SR, MRO	
1078251	ODLUM				\$617	Lease	CLM516	MR+SR, MRO	
1078252	ODLUM				\$1,388	Lease	CLM516	MR+SR, MRO	
1135499	HAMBLETON				\$741,876	Lease	CLM516	MR+SR	
1194337	HAMBLETON				\$1,719	Lease	CLM516	MR+SR	
1194340	ODLUM				\$306	Lease	CLM516	MR+SR, MRO	
937771	ODLUM				01-May-15	30-Apr-36	511.38	\$287	
937772	ODLUM	\$174	Lease	CLM517				MR+SR	
1043806	ODLUM		Lease	CLM517				MR+SR, MRO	
1043807	ODLUM		Lease	CLM517				MR+SR	
1043808	ODLUM	\$200	Lease	CLM517				MR+SR, MRO	
1043809	ODLUM	\$1	Lease	CLM517				MR+SR, MRO	
1043810	ODLUM		Lease	CLM517				MRO	
1069352	HAMBLETON	\$113,438	Lease	CLM517				MR+SR	
1069353	HAMBLETON	\$1,000	Lease	CLM517				MR+SR, MRO	
1069354	ODLUM	\$10,426	Lease	CLM517				MR+SR, MRO	
1069355	ODLUM	\$30,262	Lease	CLM517				MR+SR	
1069366	ODLUM	\$9,613	Lease	CLM517				MR+SR, MRO	
1069367	ODLUM	\$66,094	Lease	CLM517				MR+SR, MRO	
1069368	ODLUM	\$200	Lease	CLM517				MR+SR, MRO	
1069369	ODLUM	\$200	Lease	CLM517				MR+SR, MRO	
1069370	ODLUM	\$154	Lease	CLM517				MR+SR, MRO	
1069371	ODLUM		Lease	CLM517				MR+SR, MRO	
1140638	STRICKLAND	\$174	Lease	CLM517				MR+SR, MRO	
1140639	STRICKLAND	\$174	Lease	CLM517				MR+SR, MRO	
1140640	STRICKLAND	\$350	Lease	CLM517				MR+SR	
1140641	STRICKLAND		Lease	CLM517	MR+SR				
1140642	STRICKLAND		Lease	CLM517	MR+SR				
1140643	STRICKLAND	\$306	Lease	CLM517	MR+SR				
1140644	STRICKLAND		Lease	CLM517	MR+SR				
1140645	STRICKLAND		Lease	CLM517	MR+SR				
1140646	STRICKLAND		Lease	CLM517	MR+SR				
1140647	STRICKLAND	\$306	Lease	CLM517	MR+SR				
1140658	STRICKLAND	\$306	Lease	CLM517	MR+SR				
1140659	STRICKLAND	\$306	Lease	CLM517	MR+SR				
1140660	STRICKLAND	\$306	Lease	CLM517	MR+SR				
				1467.26					

**Schedule "B"**  
**Sugar Zone - Claims**

Township / Area	Tenure ID	Tenure Type	Anniversary Date	Work Required	Total Reserve
MOSAMBIK	125756	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	293144	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	153728	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	276267	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	226382	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	170250	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	336697	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	221060	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	274244	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	118071	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	117527	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
MOSAMBIK	273605	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
NAMEIGOS	219128	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	286341	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	322925	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	173870	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	117345	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	220366	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	208950	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	102955	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	227074	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	189153	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	170921	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	266283	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	155027	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	267591	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	170388	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	287639	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	125817	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	286384	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	189186	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	125769	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	274252	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	102956	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	102957	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	286342	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	286343	Boundary Cell Mining Claim	2020-01-08	\$200	\$0
NAMEIGOS	225048	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
NAMEIGOS	159665	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
NAMEIGOS	104062	Boundary Cell Mining Claim	2020-01-09	\$200	\$0
NAMEIGOS	344511	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	141005	Boundary Cell Mining Claim	2020-02-16	\$200	\$1,339
NAMEIGOS	281507	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	122945	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	238950	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	319552	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	282751	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	157827	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	134919	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	290157	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	151061	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	133689	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	186239	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	302908	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	186333	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	150356	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
NAMEIGOS	186240	Boundary Cell Mining Claim	2020-02-16	\$200	\$0
ODLUM	205218	Boundary Cell Mining Claim	2019-06-20	\$200	\$0
ODLUM	236538	Boundary Cell Mining Claim	2019-06-20	\$200	\$0
ODLUM	323310	Boundary Cell Mining Claim	2019-06-20	\$200	\$0
ODLUM	113014	Boundary Cell Mining Claim	2019-06-20	\$200	\$0
ODLUM	308490	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	199956	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	137166	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	156716	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	112652	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	142645	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	155301	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ODLUM	168606	Boundary Cell Mining Claim	2019-12-23	\$200	\$0
ABRAHAM	531086	Multi-cell Mining Claim	2020-01-18	\$9,600	\$0
ABRAHAM	531081	Multi-cell Mining Claim	2020-02-22	\$10,000	\$0
ABRAHAM	531082	Multi-cell Mining Claim	2020-02-22	\$9,600	\$0
ABRAHAM	531083	Multi-cell Mining Claim	2020-02-22	\$9,600	\$2,428
ABRAHAM,COOPER	531087	Multi-cell Mining Claim	2020-01-18	\$9,600	\$0
ABRAHAM,COOPER	531084	Multi-cell Mining Claim	2020-03-10	\$9,600	\$0
ABRAHAM,COOPER,TEDDER	531096	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
ABRAHAM,TEDDER	531094	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
ABRAHAM,TEDDER	531095	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0

ABRAHAM, TEDDER	531048	Multi-cell Mining Claim	2020-02-22	\$9,000	\$0
ABRAHAM, TEDDER	531080	Multi-cell Mining Claim	2020-02-22	\$9,600	\$0
BAYFIELD	531235	Multi-cell Mining Claim	2019-12-22	\$8,000	\$74
BAYFIELD	531236	Multi-cell Mining Claim	2019-12-22	\$8,000	\$0
BAYFIELD	531237	Multi-cell Mining Claim	2019-12-22	\$8,000	\$0
BAYFIELD	531238	Multi-cell Mining Claim	2019-12-22	\$9,200	\$0
BAYFIELD	531239	Multi-cell Mining Claim	2019-12-22	\$1,600	\$0
BAYFIELD, GOURLAY	531233	Multi-cell Mining Claim	2019-12-22	\$10,000	\$0
BAYFIELD, GOURLAY	531234	Multi-cell Mining Claim	2019-12-22	\$8,000	\$0
BAYFIELD, GOURLAY, HAMBLET	531240	Multi-cell Mining Claim	2019-12-22	\$9,600	\$0
BAYFIELD, HAMBLETON, MATTHEW	531242	Multi-cell Mining Claim	2019-12-17	\$8,000	\$0
COOPER	531139	Multi-cell Mining Claim	2020-01-09	\$9,200	\$0
COOPER	531112	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
COOPER	531163	Multi-cell Mining Claim	2020-01-09	\$6,000	\$0
COOPER	531115	Multi-cell Mining Claim	2020-01-10	\$9,200	\$0
COOPER	531116	Multi-cell Mining Claim	2020-01-10	\$9,600	\$0
COOPER	531117	Multi-cell Mining Claim	2020-01-10	\$10,000	\$2,829
COOPER	531118	Multi-cell Mining Claim	2020-01-10	\$10,000	\$0
COOPER	531085	Multi-cell Mining Claim	2020-03-10	\$9,600	\$0
COOPER	531088	Multi-cell Mining Claim	2020-03-10	\$9,600	\$0
COOPER	531089	Multi-cell Mining Claim	2020-03-10	\$8,000	\$0
COOPER	531090	Multi-cell Mining Claim	2020-03-10	\$9,600	\$2,410
COOPER	531091	Multi-cell Mining Claim	2020-03-10	\$9,600	\$0
COOPER	531092	Multi-cell Mining Claim	2020-03-10	\$9,600	\$8
COOPER	531093	Multi-cell Mining Claim	2020-03-10	\$10,000	\$0
COOPER	531113	Multi-cell Mining Claim	2020-03-10	\$10,000	\$0
COOPER	531114	Multi-cell Mining Claim	2020-03-10	\$10,000	\$2,309
COOPER, STRICKLAND	531166	Multi-cell Mining Claim	2020-01-09	\$800	\$0
COOPER, STRICKLAND	531119	Multi-cell Mining Claim	2020-01-10	\$8,000	\$0
COOPER, STRICKLAND	531120	Multi-cell Mining Claim	2020-01-10	\$6,000	\$0
COOPER, STRICKLAND	531121	Multi-cell Mining Claim	2020-01-10	\$6,400	\$0
COOPER, STRICKLAND	531164	Multi-cell Mining Claim	2020-01-10	\$7,200	\$0
COOPER, STRICKLAND	531165	Multi-cell Mining Claim	2020-04-21	\$5,200	\$0
COOPER, STRICKLAND, TEDDER	531152	Multi-cell Mining Claim	2020-01-09	\$6,800	\$0
COOPER, TEDDER	531151	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
COOPER, TEDDER	531111	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
COOPER, TEDDER	531097	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
COOPER, TEDDER	531100	Multi-cell Mining Claim	2020-01-09	\$9,600	\$0
GOURLAY	531220	Multi-cell Mining Claim	2019-12-03	\$9,600	\$2,964
GOURLAY	531225	Multi-cell Mining Claim	2019-12-03	\$9,600	\$891
GOURLAY	531229	Multi-cell Mining Claim	2019-12-03	\$10,000	\$4,154
GOURLAY	531231	Multi-cell Mining Claim	2019-12-03	\$10,000	\$7,260
GOURLAY	531232	Multi-cell Mining Claim	2019-12-22	\$9,600	\$0
GOURLAY, HAMBLETON	531219	Multi-cell Mining Claim	2019-11-20	\$9,200	\$2,615
GOURLAY, HAMBLETON	531224	Multi-cell Mining Claim	2019-12-03	\$9,600	\$1,774
GOURLAY, HAMBLETON	531226	Multi-cell Mining Claim	2019-12-03	\$10,000	\$2,337
GOURLAY, HAMBLETON	531230	Multi-cell Mining Claim	2019-12-03	\$8,800	\$4,898
GOURLAY, HAMBLETON	531243	Multi-cell Mining Claim	2019-12-03	\$10,000	\$2,913
GOURLAY, HAMBLETON	531241	Multi-cell Mining Claim	2019-12-17	\$9,600	\$6,343
GOURLAY, HAMBLETON, STRICKLAND	531222	Multi-cell Mining Claim	2019-12-03	\$6,200	\$0
GOURLAY, STRICKLAND	531221	Multi-cell Mining Claim	2019-12-03	\$10,000	\$0
HAMBLETON	531254	Multi-cell Mining Claim	2019-06-13	\$9,600	\$6,152
HAMBLETON	531255	Multi-cell Mining Claim	2019-06-13	\$10,000	\$6,288
HAMBLETON	531256	Multi-cell Mining Claim	2019-06-13	\$10,000	\$8,118
HAMBLETON	531258	Multi-cell Mining Claim	2019-06-13	\$4,800	\$3,900
HAMBLETON	531269	Multi-cell Mining Claim	2019-06-13	\$1,200	\$0
HAMBLETON	531214	Multi-cell Mining Claim	2019-07-20	\$2,400	\$243,686
HAMBLETON	531228	Multi-cell Mining Claim	2019-12-03	\$6,000	\$1,879
HAMBLETON	531264	Multi-cell Mining Claim	2019-12-17	\$9,600	\$850
HAMBLETON	531244	Multi-cell Mining Claim	2019-12-17	\$10,000	\$0
HAMBLETON	531245	Multi-cell Mining Claim	2019-12-17	\$9,600	\$0
HAMBLETON	531246	Multi-cell Mining Claim	2019-12-17	\$9,600	\$0
HAMBLETON	531247	Multi-cell Mining Claim	2019-12-17	\$9,600	\$0
HAMBLETON	531210	Multi-cell Mining Claim	2019-12-23	\$6,800	\$4,399
HAMBLETON	531249	Multi-cell Mining Claim	2019-12-23	\$1,200	\$0
HAMBLETON	531257	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
HAMBLETON	531268	Multi-cell Mining Claim	2019-12-23	\$4,000	\$0
HAMBLETON	531212	Multi-cell Mining Claim	2019-12-31	\$7,200	\$58,751
HAMBLETON	531215	Multi-cell Mining Claim	2019-12-31	\$3,600	\$213,133
HAMBLETON	531216	Multi-cell Mining Claim	2019-12-31	\$1,000	\$546,949
HAMBLETON	531217	Multi-cell Mining Claim	2019-12-31	\$2,200	\$471,385
HAMBLETON	531218	Multi-cell Mining Claim	2019-12-31	\$1,800	\$110,673
HAMBLETON	531227	Multi-cell Mining Claim	2020-04-21	\$5,600	\$1,553
HAMBLETON	531248	Multi-cell Mining Claim	2020-04-21	\$10,000	\$0
HAMBLETON	531265	Multi-cell Mining Claim	2020-04-21	\$10,000	\$0
HAMBLETON	531266	Multi-cell Mining Claim	2020-04-21	\$5,600	\$0
HAMBLETON	531267	Multi-cell Mining Claim	2020-04-21	\$5,600	\$0
HAMBLETON	531211	Multi-cell Mining Claim	2021-12-23	\$3,200	\$2,381
HAMBLETON	531259	Multi-cell Mining Claim	2022-12-23	\$1,200	\$851

HAMBLETON,ODLUM	531209	Multi-cell Mining Claim	2019-12-23	\$2,400	\$3,007
HAMBLETON,ODLUM	531208	Multi-cell Mining Claim	2019-12-31	\$5,200	\$578
HAMBLETON,ODLUM	531206	Multi-cell Mining Claim	2020-04-26	\$8,200	\$419,784
JOHNS	530313	Multi-cell Mining Claim	2019-06-20	\$6,400	\$4,084
JOHNS	530314	Multi-cell Mining Claim	2019-06-20	\$6,400	\$3,989
JOHNS	530315	Multi-cell Mining Claim	2019-06-20	\$7,200	\$8,147
JOHNS	530316	Multi-cell Mining Claim	2019-06-20	\$10,000	\$7,432
JOHNS	530317	Multi-cell Mining Claim	2019-06-20	\$7,200	\$1,858
JOHNS	531017	Multi-cell Mining Claim	2019-06-20	\$9,600	\$10,643
JOHNS	531018	Multi-cell Mining Claim	2019-06-20	\$10,000	\$1,750
JOHNS,ODLUM	530318	Multi-cell Mining Claim	2019-06-20	\$7,200	\$3,955
JOHNS,ODLUM	531019	Multi-cell Mining Claim	2019-06-20	\$9,600	\$3,654
JOHNS,ODLUM	531020	Multi-cell Mining Claim	2019-06-20	\$10,000	\$1,750
MOSAMBIK	531287	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
MOSAMBIK	531348	Multi-cell Mining Claim	2020-01-09	\$8,800	\$0
MOSAMBIK	532869	Multi-cell Mining Claim	2020-04-10	\$8,000	\$0
MOSAMBIK,NAMEIGOS	531286	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
MOSAMBIK,NAMEIGOS	531288	Multi-cell Mining Claim	2020-01-09	\$8,400	\$0
MOSAMBIK,NAMEIGOS	531347	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
MOSAMBIK,NAMEIGOS	531349	Multi-cell Mining Claim	2020-01-09	\$6,400	\$0
MOSAMBIK,NAMEIGOS	531350	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
NAMEIGOS	531340	Multi-cell Mining Claim	2019-06-13	\$6,800	\$6,473
NAMEIGOS	531335	Multi-cell Mining Claim	2019-06-13	\$10,000	\$2,377
NAMEIGOS	531342	Multi-cell Mining Claim	2019-06-13	\$8,000	\$4,097
NAMEIGOS	531343	Multi-cell Mining Claim	2019-06-13	\$8,000	\$5,623
NAMEIGOS	531344	Multi-cell Mining Claim	2019-06-13	\$7,200	\$8,195
NAMEIGOS	531283	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
NAMEIGOS	531284	Multi-cell Mining Claim	2020-01-09	\$9,200	\$0
NAMEIGOS	531285	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
NAMEIGOS	531351	Multi-cell Mining Claim	2020-01-09	\$9,600	\$0
NAMEIGOS	531352	Multi-cell Mining Claim	2020-01-09	\$10,000	\$0
NAMEIGOS	531332	Multi-cell Mining Claim	2020-02-16	\$9,600	\$0
NAMEIGOS	531333	Multi-cell Mining Claim	2020-02-16	\$4,800	\$0
NAMEIGOS	531334	Multi-cell Mining Claim	2020-02-16	\$10,000	\$0
NAMEIGOS	531336	Multi-cell Mining Claim	2020-02-16	\$9,200	\$0
NAMEIGOS	531337	Multi-cell Mining Claim	2020-02-16	\$9,200	\$0
NAMEIGOS	531338	Multi-cell Mining Claim	2020-02-16	\$9,600	\$0
NAMEIGOS	531341	Multi-cell Mining Claim	2020-02-16	\$800	\$0
NAMEIGOS	531345	Multi-cell Mining Claim	2020-02-16	\$800	\$0
NAMEIGOS	531346	Multi-cell Mining Claim	2020-02-16	\$1,600	\$2,096
NAMEIGOS	531331	Multi-cell Mining Claim	2020-04-11	\$7,600	\$0
NAMEIGOS	531281	Multi-cell Mining Claim	2020-04-11	\$10,000	\$0
NAMEIGOS	531282	Multi-cell Mining Claim	2020-04-11	\$9,600	\$0
NAMEIGOS	531289	Multi-cell Mining Claim	2020-04-11	\$5,600	\$0
NAMEIGOS,STRICKLAND	531276	Multi-cell Mining Claim	2020-02-22	\$10,000	\$0
NAMEIGOS,STRICKLAND	531279	Multi-cell Mining Claim	2020-02-22	\$4,000	\$0
NAMEIGOS,STRICKLAND	531280	Multi-cell Mining Claim	2020-04-11	\$9,600	\$0
ODLUM	531016	Multi-cell Mining Claim	2019-06-20	\$10,000	\$2,167
ODLUM	531021	Multi-cell Mining Claim	2019-06-20	\$10,000	\$7,963
ODLUM	531024	Multi-cell Mining Claim	2019-06-20	\$10,000	\$6,270
ODLUM	531025	Multi-cell Mining Claim	2019-06-20	\$9,600	\$4,018
ODLUM	531207	Multi-cell Mining Claim	2019-07-02	\$1,600	\$38,911
ODLUM	531201	Multi-cell Mining Claim	2019-10-29	\$2,000	\$1,713
ODLUM	531026	Multi-cell Mining Claim	2019-12-23	\$10,000	\$151
ODLUM	531182	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
ODLUM	531199	Multi-cell Mining Claim	2019-12-23	\$800	\$0
ODLUM	531200	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
ODLUM	531202	Multi-cell Mining Claim	2019-12-23	\$9,200	\$416
ODLUM	531203	Multi-cell Mining Claim	2019-12-31	\$7,000	\$1,479
ODLUM	531204	Multi-cell Mining Claim	2019-12-31	\$3,800	\$0
ODLUM	531205	Multi-cell Mining Claim	2020-03-27	\$4,800	\$66,972
ODLUM	531183	Multi-cell Mining Claim	2020-04-21	\$9,600	\$0
ODLUM	531198	Multi-cell Mining Claim	2020-04-21	\$7,600	\$0
ODLUM,STRICKLAND	531270	Multi-cell Mining Claim	2019-12-03	\$5,000	\$4,323
ODLUM,STRICKLAND	531184	Multi-cell Mining Claim	2020-04-21	\$9,600	\$0
ODLUM,STRICKLAND	531197	Multi-cell Mining Claim	2020-04-21	\$9,600	\$0
ODLUM,STRICKLAND,TEDDER	531175	Multi-cell Mining Claim	2020-04-21	\$10,000	\$0
ODLUM,TEDDER	531022	Multi-cell Mining Claim	2019-06-20	\$8,800	\$8,157
ODLUM,TEDDER	531023	Multi-cell Mining Claim	2019-06-20	\$9,600	\$5,911
ODLUM,TEDDER	531027	Multi-cell Mining Claim	2019-12-23	\$9,600	\$0
ODLUM,TEDDER	531154	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
ODLUM,TEDDER	531173	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
ODLUM,TEDDER	531174	Multi-cell Mining Claim	2019-12-23	\$9,600	\$0
STRICKLAND	531162	Multi-cell Mining Claim	2019-11-16	\$9,600	\$0
STRICKLAND	531168	Multi-cell Mining Claim	2019-11-16	\$10,000	\$0
STRICKLAND	531177	Multi-cell Mining Claim	2019-11-16	\$9,600	\$0
STRICKLAND	531178	Multi-cell Mining Claim	2019-11-16	\$10,000	\$0
STRICKLAND	531180	Multi-cell Mining Claim	2019-11-16	\$9,200	\$0
STRICKLAND	531271	Multi-cell Mining Claim	2019-11-16	\$8,000	\$0

STRICKLAND	531273	Multi-cell Mining Claim	2019-11-16	\$10,000	\$0
STRICKLAND	531274	Multi-cell Mining Claim	2019-11-16	\$10,000	\$0
STRICKLAND	531275	Multi-cell Mining Claim	2019-11-16	\$8,400	\$0
STRICKLAND	531278	Multi-cell Mining Claim	2019-11-16	\$800	\$0
STRICKLAND	531195	Multi-cell Mining Claim	2019-12-03	\$8,800	\$3,651
STRICKLAND	531167	Multi-cell Mining Claim	2019-12-03	\$8,400	\$6,945
STRICKLAND	531170	Multi-cell Mining Claim	2019-12-03	\$9,200	\$1,763
STRICKLAND	531176	Multi-cell Mining Claim	2019-12-03	\$10,000	\$4,122
STRICKLAND	531179	Multi-cell Mining Claim	2019-12-03	\$8,400	\$0
STRICKLAND	531181	Multi-cell Mining Claim	2019-12-03	\$9,600	\$0
STRICKLAND	531185	Multi-cell Mining Claim	2019-12-03	\$9,600	\$5,886
STRICKLAND	531196	Multi-cell Mining Claim	2019-12-03	\$8,800	\$0
STRICKLAND	531223	Multi-cell Mining Claim	2019-12-03	\$7,400	\$3,197
STRICKLAND	531272	Multi-cell Mining Claim	2019-12-03	\$1,200	\$0
STRICKLAND	531160	Multi-cell Mining Claim	2020-02-22	\$8,400	\$0
STRICKLAND	531161	Multi-cell Mining Claim	2020-02-22	\$8,400	\$0
STRICKLAND	531277	Multi-cell Mining Claim	2020-02-22	\$7,200	\$0
STRICKLAND	531157	Multi-cell Mining Claim	2020-04-21	\$10,000	\$0
STRICKLAND,TEDDER	531156	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
STRICKLAND,TEDDER	531169	Multi-cell Mining Claim	2020-04-21	\$8,800	\$200
STRICKLAND,TEDDER	531171	Multi-cell Mining Claim	2020-04-21	\$8,800	\$0
TEDDER	531031	Multi-cell Mining Claim	2019-12-23	\$9,600	\$0
TEDDER	531153	Multi-cell Mining Claim	2019-12-23	\$8,800	\$0
TEDDER	531155	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
TEDDER	531172	Multi-cell Mining Claim	2019-12-23	\$10,000	\$0
TEDDER	531079	Multi-cell Mining Claim	2020-01-09	\$9,200	\$0
TEDDER	531046	Multi-cell Mining Claim	2020-01-09	\$8,800	\$346
TEDDER	531047	Multi-cell Mining Claim	2020-01-09	\$9,600	\$0
TEDDER	531098	Multi-cell Mining Claim	2020-01-09	\$9,600	\$0
TEDDER	531099	Multi-cell Mining Claim	2020-01-09	\$9,600	\$0
COOPER	531126	Single Cell Mining Claim	2020-01-09	\$400	\$0
MOSAMBIK	273604	Single Cell Mining Claim	2020-01-09	\$400	\$0
MOSAMBIK	188477	Single Cell Mining Claim	2020-01-09	\$400	\$0
MOSAMBIK,NAMEIGOS	265657	Single Cell Mining Claim	2020-01-09	\$400	\$0
MOSAMBIK,NAMEIGOS	344618	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	335993	Single Cell Mining Claim	2020-01-08	\$400	\$0
NAMEIGOS	208958	Single Cell Mining Claim	2020-01-08	\$400	\$0
NAMEIGOS	220373	Single Cell Mining Claim	2020-01-08	\$400	\$0
NAMEIGOS	102261	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	127131	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	229063	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	154316	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	103256	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	118285	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	219164	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	276303	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	125852	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	170953	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	286410	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	189211	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531316	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531309	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	118287	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531304	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	170954	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531290	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531291	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531292	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531293	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531294	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531295	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531296	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531297	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531298	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531299	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531300	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531301	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531302	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531305	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531306	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	531317	Single Cell Mining Claim	2020-01-09	\$400	\$0
NAMEIGOS	514033	Single Cell Mining Claim	2020-04-11	\$400	\$0
NAMEIGOS	514035	Single Cell Mining Claim	2020-04-11	\$400	\$0
STRICKLAND	110507	Single Cell Mining Claim	2019-12-03	\$200	\$0

**Schedule "C"**  
**Halverson Property**

Legacy Claim Id	Township / Area	Tenure ID	Tenure Type	Anniversary Date	Work Required	Total Reserve
4281896	ODLUM	136581	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	334503	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	255919	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	237877	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	220822	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	220821	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	209284	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	209282	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	201257	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	171296	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	142560	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	136582	Boundary Cell Mining Claim	2021-02-06	\$200	\$0
4281896	ODLUM	324599	Single Cell Mining Claim	2021-02-06	\$400	\$0
4281896	ODLUM	255918	Single Cell Mining Claim	2021-02-06	\$400	\$0
4281896	ODLUM	255917	Single Cell Mining Claim	2021-02-06	\$400	\$223
4281896	ODLUM	209283	Single Cell Mining Claim	2021-02-06	\$400	\$0



## **Appendix B – Sugar & Wolf Zones – Geological Legend**

## GEOLOGICAL LEGEND

### Mafic Intrusives

- 7A-Diabase
- 7B-Diorite
- 7C-Lamprophyre
- 6A-Diorite
- 6B-Gabbro
- 6C-Amphibillite
- 6D-Peridotite
- 6G-Pyroxenite
- 6E-Intermediate Dyke
- 6F-Mafic Dyke

### Felsic Intrusives

- 5A-Granite
- 5B-Granodiorite
- 5D-Syenite
- 4A-Quartz Porphyry
- 4B-Feldspar Porphyry
- 4C-Quartz-Feldspar Porphyry
- 4D-Felsite
- 4E-Pegmatite
- 4F-Felsic Dyke
- 4ALT-Altered Feldspar Porphyry

### Sediments

- 3A-Greywacke
- 3ALT-Altered Iron Formation w/sulphides
- 3B-Argillite
- 3D-Iron Formation
- 3E-Ferruginous Chert
- 3F-Chert
- 3G-Sulfide Facies Iron Formation
- 3H-Reworked Tuffs
- 3I-Arenite
- 3S-Siltstone

### Intermediate Volcanics

- 2E-Intermediate Tuff

### Felsic Volcanics

- 2A-Felsic Massive Flows
- 2B-Felsic Tuff
- 2S-Sericite Schist

### Mafic Volcanics

- 1A-Massive Mafic Flows
- 1B-Pillowed Mafic Flows
- 1C-Agglomerate
- 1D-Variolitic Flows
- 1E-Amygdaloidal/Vesicular Flows
- 1F-Flow-top Breccia
- 1G-Amphibolitic Flows
- 1H-Mafic Tuff
- 1I-Volcaniclastic
- 1ALT-Altered Mafic Volcanic
- 1N-Hydrothermally Altered Basalt

### Early Mafic Intrusive

- 1Z-Gabbroic with gradational contacts


### Ultramafic Volcanics

- UM-Ultramafic
- 1U-Ultramafic Flows
- 1UT-Ultramafic Talc/Chlorite Altered

### Assay Color Legend

- |  |  |   |
|--|--|---|
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> OVB-Overburden       | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> UZ-Upper Zone                    | <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> 0 - 0.5   |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> CAS-Casing           | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> MZ-Middle Zone                   | <span style="display: inline-block; width: 15px; height: 15px; background-color: blue; margin-right: 5px;"></span> 0.6 - 1    |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> BX-Breccia           | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> LZ-Lower Zone                    | <span style="display: inline-block; width: 15px; height: 15px; background-color: cyan; margin-right: 5px;"></span> 1.1 - 3    |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> FLT-Fault            | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QCV-Quartz-Carbonate Vein        | <span style="display: inline-block; width: 15px; height: 15px; background-color: green; margin-right: 5px;"></span> 3.1 - 5   |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> Frac-Z-Fracture Zone | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QTCSW-Quartz-Carbonate Stockwork | <span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; margin-right: 5px;"></span> 5.1 - 8  |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> FZ-Fault Zone        | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QTSW-Quartz Stockwork            | <span style="display: inline-block; width: 15px; height: 15px; background-color: orange; margin-right: 5px;"></span> 8.1 - 12 |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> SH-Shear             | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QV-Quartz Vein                   | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> 12.1 - 659  |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: black; margin-right: 5px;"></span> SZ-Shear Zone        | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QZ-Quartz Zone                   |   |
|  | <span style="display: inline-block; width: 15px; height: 15px; background-color: red; margin-right: 5px;"></span> QZ-STR-Quartz Stringer           |   |

**Appendix C – Sugar & Wolf Zones – 2018-2019 Drill Logs**

		Hole Number:	SZ-18-257				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					9-Sep-2018	21-Sep-2018	
<u>Planned Coordinates</u>		Azimuth:	45	Drill Contractor:	Foraco Canada Ltd		
Easting	645531.76						
Northing	5407136.72	Dip:	-66	Dates Logged:	Start Date:	End Date:	
Elevation(m)	413.5				9-Sep-2018	21-Sep-2018	
<u>Final Pick up</u>		Depth(m):	849.00	Logger 1:	Karen Barlow		
Easting				Logger 2:	Sarah Davis		
Northing		Core Size:	NQ	Logger 3:	Shane Moran		
Elevation(m)				Assay Lab:	Actlabs		
Casing		Dip Tests					
Purpose of Hole	Delineate UZ ~705 + LZ ~ 742	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	UZ_710.2-718.63 4ALT+1ALT; LZ_737.35-739.17 poss. Or LZ_743.19-743.47; obliterated by 7A?@ 743.42-746.65; Shear 746.65-752.16 w 4B interstitial; 4Alt @752.16-754.26, 799.38-801.62, 812.51-813, 815.35-815.65	0.0	46.5	-66.2		planned	52.6
		24.0	46.5	-66.2	5694	at 21.6 6m	54.1
		54.0	45.4	-65.3	5650	6m stabiliz	53
		84.0	45.7	-65.0	5654	at 84 6m s	53.3
		114.0	46.8	-63.4	5653	6m standa	54.4
		134.0	48.5	-61.1	5642		56.1
		165.0	47.3	-61.1	5714		54.9
		214.0	48.5	-59.3	5638	at 214 6m	56.1
Comments	Rod count off at 291m, blocks fixed between 285 and 291; error location at collar. Start of hole was set at 0.33 but was corrected to 3.33m. All information on log is corrected. NOTE: Photos and core boxes from Box 1 to 66 (0.33m to 291m) have not been corrected. S.Davis logged ~100m-582m.	243.0	49.5	-58.0	5630		57.1
		273.0	50.9	-57.4	5632	at 273m 6m	58.5
		300.0	51.2	-57.1	5646	6m stabiliz	58.8
		330.0	51.6	-56.7	5644		59.2
		360.0	52.3	-56.1	5743	hi mag az 4	56.1
		390.0	53.1	-55.5	5603		61.1
		420.0	53.5	-54.5	5616	bit change	61.1
		450.0	54.3	-54.0	5628		61.9
		480.0	53.3	-53.4	5632		60.9
		510.0	54.1	-52.9	5644		61.7
Azimuth corrected to 7.6 degrees west declination		540.0	54.2	-52.5	5627		61.8
		570.0	54.2	-52.2	5639		61.8
		600.0	54.3	-51.2	5625		61.9
		630.0	54.3	-50.8	5649		61.9
		660.0	55.1	-49.9	5629		62.7
		690.0	54.7	-49.6	5628		62.3
		720.0	58.1	-49.0	5718		65.7
		750.0	55.6	-47.5	5632		63.2
		780.0	56.3	-47.3	5612		63.9
		810.0	59.4	-46.3	5681		67
840.0	57.7	-45.1	5630		65.3		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-257	3.33	34.95	31.62	1A	Massive Flows	Med green; FG-MG; varying degrees of grain size predominately at start of hole and towards margin of LC (12?); mod fol'n; wk-mod shearing; wk-mod banded/stringer crb; wk banded bi; mod pervasive chl; trce patchy ep; trce-wk ser banding; trce albite banding; mn qtz stringer up to 2cm; trce PoPy (<1%); From 27.46 to 27.65m is QV both contacts sharp UC at 50°ca LC at 45°ca barren
SZ-18-257	34.95	43.57	8.62	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (12?) prodominately at UC from transition of 1A; mod fol'n; wk-mod crb interstitial/stringers; zone up to 5cm of str bi clusters; mn qtz stringers <1cm; mn 4E intrusion; trce PoPy (<1%)
SZ-18-257	43.57	45.42	1.85	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/45% mod corroded MG mod-str elongated fspar phenos parallel to fol'n; mod-str fol'n; mod interstitial bi; mod sil; trce-wk albite stringer; barren
SZ-18-257	45.42	46.61	1.19	4E	Pegmatite	Whitish/smokey/beigish grey; MG-CG; mod CG qtz; wk chl micro-fractures; str pelitic/speckled albite; trce garnet speckles; mod interstitial muscovite; mn qtz stringer up to 2cm; trce PoPy (<1%)
SZ-18-257	46.61	51.31	4.70	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (12?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B intrusions; trce PoPy (<1%)
SZ-18-257	51.31	53.23	1.92	1A	Massive Flows	Med green; FG; mod fol'n; wk-mod banded/stringer crb; wk-mod banded bi; mod pervasive chl; trce ep banding; trce ser banding; trce albite stringers; mn qtz stringer <1cm; trce PoPy (<1%)
SZ-18-257	53.23	107.60	54.37	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (12?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B and 4B intrusions; trce PoPy (<1%); str sheared sections
SZ-18-257	107.60	110.40	2.80	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; strongly potassic altered felsite dyke minor; some minor 1A
SZ-18-257	110.40	117.70	7.30	1A	Massive Flows	Medium-dark green/grey; FG; str fol/shearing; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257	117.70	144.25	26.55	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257	144.25	146.15	1.90	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257	146.15	153.75	7.60	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257	153.75	156.20	2.45	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257	156.20	160.55	4.35	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257	160.55	161.65	1.10	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257	161.65	167.82	6.17	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; lower 3m is strongly fol w/ str interstitial bi; some minor 1A
SZ-18-257	167.82	175.18	7.36	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; gradational FG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; zones of hair-thin fracturing; barren
SZ-18-257	175.18	175.83	0.65	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; 30% PO/PY
SZ-18-257	175.83	182.04	6.21	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching; mod chl alt'd selvages; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B and 6E units
SZ-18-257	182.04	185.16	3.12	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257	185.16	186.20	1.04	4E	Pegmatite	White/grey/green/yellowish; FG-CG; str thready bi/chl fracture-fill; mod qtz veinlets throughout; mod-str disseminated musc; barren
SZ-18-257	186.20	193.26	7.06	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257	193.26	209.49	16.23	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching w/ trace potassic alt'n; mod chl alt'd selvages; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B units


SZ-18-257	209.49	211.38	1.89	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257	211.38	212.35	0.97	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; <5% banded and blebby PO
SZ-18-257	212.35	217.00	4.65	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; barren
SZ-18-257	217.00	218.67	1.67	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257	218.67	223.57	4.90	6B	Gabbro	Medium-dark green/grey; MG; mod fol; weak interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257	223.57	256.53	32.96	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; few minor 4B less than 30cm (5%); minor 6E and QV; barren
SZ-18-257	256.53	268.38	11.85	1A	Massive Flows	Green/grey/brown/purple; FG; str fol/shear; str bi banding; mod chl; barren
SZ-18-257	268.38	283.42	15.04	6B	Gabbro	Dark bluish green/grey; MG-CG; weak-mod fol w/ lcl shearing; trace interstitial bi; trace stringer crb; very trace speckled sulphides
SZ-18-257	283.42	293.85	10.43	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257	293.85	297.86	4.01	1Z	Gabbroic with gradational contacts	Medium-light green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257	297.86	328.50	30.64	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257	328.50	334.70	6.20	1Z	Gabbroic with gradational contacts	Medium-light green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257	334.70	344.05	9.35	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257	344.05	347.42	3.37	6A	Diorite	Dark green/grey/purple; MG; mod sil; strong speckled albite; albite banding on contacts; possibly 4B; barren
SZ-18-257	347.42	351.37	3.95	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257	351.37	354.48	3.11	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 35% CG mod corroded weakly elongated fsp phenos; mod interstitial bi; mod sil; barren
SZ-18-257	354.48	359.98	5.50	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257	359.98	361.75	1.77	6B	Gabbro	Dark green; MG; mod fol; lcl strong brecciation with potassic in-fill; trace sulphides
SZ-18-257	361.75	367.30	5.55	1UT	Ultramafic Talc/Chlorite Altered	Medium-light blue/grey; FG; soft; mod fol; str mag; barren
SZ-18-257	367.30	368.72	1.42	3D	Iron Formation	Strongly banded cherty layers; weak boudinage; str ser/sil/crb/chl/bi; patchy zones; str PO
SZ-18-257	368.72	372.20	3.48	1A	Massive Flows	Medium green/grey; FG-MG; str fol; mod banded/interstitial chl; weak-mod disseminated bi; mod wispy bleaching
SZ-18-257	372.20	377.15	4.95	1UT	Ultramafic Talc/Chlorite Altered	Medium-light blue/grey; FG; soft; mod fol; str mag; barren
SZ-18-257	377.15	377.82	0.67	3D	Iron Formation	Strongly banded cherty layers; str boudinage and brecciation w/ strong massive PO interstitial and swirled; str ser/sil/crb/chl/bi; patchy zones; str PO
SZ-18-257	377.82	390.25	12.43	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257	390.25	392.72	2.47	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 20% str corroded and elongated fsp phenos; mod interstitial bi; mod sil; weak-mod banded/wispy ser; barren
SZ-18-257	392.72	399.00	6.28	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257	399.00	432.60	33.60	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; FG-MG; mod interstitial bi; mod pervasive chl; trace stringer crb and albite; trace banded qtz; barren
SZ-18-257	432.60	437.75	5.15	1B	Pillowed Flows	Medium green/grey; FG; mod fol/shear; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; weak banded bi
SZ-18-257	437.75	439.40	1.65	4B	Feldspar Porphyry	Medium grey/purple; FG gmass w/ FG-MG 3% fsp phenos; mod interstitial bi; weak sil; barren
SZ-18-257	439.40	483.95	44.55	1B	Pillowed Flows	Medium green/grey; FG; mod-str fol/shear; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257	483.95	485.45	1.50	4B	Feldspar Porphyry	Medium grey/purple; FG gmass w/ FG-MG 3% fsp phenos; mod interstitial bi; str sil; barren
SZ-18-257	485.45	494.20	8.75	1A	Massive Flows	Medium green/grey; FG; mod fol/shear; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt'n; weak banded bi
SZ-18-257	494.20	502.20	8.00	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod bleached banding; mod interstitial bi; weak-mod banded chl alt'd selvages; trace qtz veins; barren
SZ-18-257	502.20	549.78	47.58	1Z	Gabbroic with gradational contacts	Dark-medium green/grey; FG-CG; mod fol; mod chl; minor 6E and QV; 5% wispy and banded qtz veins; weak bleaching; mod lcl banded bi; trace sulphides

SZ-18-257	549.78	550.48	0.70	4B	Feldspar Porphyry	Dark purple/grey; FG; str sil; mod fol; mod banded labite; very trace remnant corroded and elongated fsp phenos; almost 4ALT; very trace sulphides
SZ-18-257	550.48	577.35	26.87	1Z	Gabbroic with gradational contacts	Dark-medium green/grey; FG-MG; mod fol; mod chl; minor 6E and brecciated fault zone w/ mod brecciated and silicified sections; 2% wispy and banded qtz veins; weak lcl bleaching; mod lcl banded bi; trace sulphides
SZ-18-257	577.35	637.06	59.71	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; trace crb stringers; minor 4B altered; 4B fg-mg phenos in fg matrix 50°ca sharp cts; 601.64-603.15 open and closed fracturing w ca infill 0-90° frac w infill + 50°ca open; qtz vnlt 604.50-604.64 40°ca + 604.98-605.5 40°ca + 608.81-608.88 40°ca + qtz vn 629.12-621.23 40°ca; lct 45°ca
SZ-18-257	637.06	639.33	2.27	4B	Feldspar Porphyry	Dark purple/grey; FG-mg; str sil; mod fol; mod banded albite; very trace remnant corroded and elongated fsp phenos; 1B 638.23-638.31 50°ca; tr sulphides; lct 50°ca
SZ-18-257	639.33	674.74	35.41	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; trace crb stringers; lct 40°ca
SZ-18-257	674.74	675.00	0.26	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod-stg to 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 40°ca
SZ-18-257	675.00	677.34	2.34	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; trace crb stringers; lct 40°ca
SZ-18-257	677.34	678.30	0.96	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 50°ca
SZ-18-257	678.30	682.00	3.70	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt; weak banded bio; lct 50°ca
SZ-18-257	682.00	682.66	0.66	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 50°ca
SZ-18-257	682.66	690.78	8.12	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt; weak banded bio; ca frac infill- mod stg closed and minor open microfracs 15+50+60°ca; lct 50°ca
SZ-18-257	690.78	692.15	1.37	FZ	Fault Zone	Zone starts w disk of core 90°ca 690.78-691.08; unit unaltered 691.08-691.30; flt 691.3-692.15 w 30°ca ct and stg closed and minor open in a stg brxn unit w blk mylonite infill; lct sharp 30°ca
SZ-18-257	692.15	694.30	2.15	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt; weak banded bio; ca frac infill- mod stg closed and minor open microfracs 15+50+60°ca; lct 50°ca
SZ-18-257	694.30	696.58	2.28	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; tr crb stringers; minor frac and infill; lct 50°ca
SZ-18-257	696.58	697.62	1.04	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; bleaching w tr PO; minor potassic alt; weak banded bio; ca frac infill wk mod; lct 50°ca
SZ-18-257	697.62	701.06	3.44	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str; minor frac and infill; lct 50°ca
SZ-18-257	701.06	702.00	0.94	4ALT	Altered Feldspar Porphyry	uct 50°ca; 4B uct and lct Dark purple/grey; FG-mg; str sil; mod fol 50°ca; mod banded albite; mod stg phenos; 4alt 701.12-701.80 laminated w silicification qtz flooding towards lct 701.70-701.80; po py fg diss 3-5%; 50°ca lct
SZ-18-257	702.00	703.00	1.00	1A	Massive Flows	stg brkn up unit with 58% of unit brkn; Medium green/grey; FG; mod fol 50°ca; bleaching w tr PO; minor potassic alt; weak banded bio; ca frac infill wk mod; lct 50°ca
SZ-18-257	703.00	703.28	0.28	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 50°ca
SZ-18-257	703.28	704.37	1.09	1A	Massive Flows	stg brkn up unit with 58% of unit brkn; Medium green/grey; FG; mod fol 50°ca; bleaching w tr PO; minor potassic alt; weak banded bio; ca frac infill wk mod; minor 1B towards lct; lct 50°ca
SZ-18-257	704.37	705.10	0.73	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; 1B 704.75-704.87 50°ca; QV 704.87- 705.10 50°ca; lct 50°ca
SZ-18-257	705.10	710.20	5.10	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str; minor frac and infill; lct 50°ca
SZ-18-257	710.20	711.78	1.58	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 710.73-711 5-8% py po stg qtz flooding; 1-3%fg diss sulphides outside of this intersection; lct 50°ca
SZ-18-257	711.78	717.33	5.55	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str; mod-stg minor frac and infill 713-715; lct 50°ca
SZ-18-257	717.33	717.95	0.62	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 3-5%fg diss po py; lct 50°ca
SZ-18-257	717.95	718.63	0.68	1ALT	Altered Mafic Volcanic	Dark grey/black/brn/green; FG; mod stg banding w chl bio ep alt w mod stg silicification 3-5%; mod-stg fol ~50°ca; ; speckled gt; tr cb str; mod-stg minor frac and infill ; lct 50°ca

SZ-18-257	718.63	737.35	18.72	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str; wk mod frac and infill; qtz vnl 719.81-719.88 40°ca clr; 6E uct 30°+lct 40°ca 725.85-726.20; 6E 736.12-736.66 40°ca cts; qtz/ca str w chl 50+20 mil 1B 40mil; lct50 °ca
SZ-18-257	737.35	739.12	1.77	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 3-7%fg diss po py; qtz str 737.70-737.77 50°ca w diss py po fg; 737.66-737.82 alt 1B 50°ca; ab and qtz towards lct; uct 50°+lct 50°ca xcutting fabric lct 50°ca
SZ-18-257	739.12	743.19	4.07	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str; wk mod frac and infill; qtz/ca str 1-10 mil; lct40 °ca
SZ-18-257	743.19	743.42	0.23	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; uct 40°ca lct 20°ca
SZ-18-257	743.42	746.65	3.23	7A	Diabase	dk brn blk unit massive w stg magnetism yellow small-large rounded xtals spotty in matrix; 745.30-746.65 unit brkn up; lct 10°ca irreg w gouge
SZ-18-257	746.65	747.18	0.53	SH	Shear	10°ca lineation w stg chl mylonite blk in brkn closed and open volcanic matrix; lct 10°ca
SZ-18-257	747.18	749.10	1.92	4B	Feldspar Porphyry	Medium purple/grey; fg-mg mass str corroded and elongated fsp phenos; mod interstitial bi; mod sil; weak-mod banded/wispy ser; barren; stg open fracs and closed;
SZ-18-257	749.10	752.16	3.06	SH	Shear	uct 10°ca w fg unit stg chl mylonite blk and ca in brkn closed and open volcanic matrix; lct 25°ca sharp perpendicular to fabric
SZ-18-257	752.16	754.26	2.10	4ALT	Altered Feldspar Porphyry	1B uct 25°ca and lct 50°ca 752.16-752.48; Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; 1B 753.27-753.46 50°ca; 1B 753.68-753.75 50°ca; lct 50°ca
SZ-18-257	754.26	789.67	35.41	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str 1-20mil width; wk mod frac and infill; 4E 773.85-774.68 perthite w flesh coloured aplitic albite qtz small blk oxides byl sm and m mica; 4E str 10mil xcutting fabric 20°ca 773.85-774; 4E 40°ca 774.30-774.68 xcutting fabric; lct50 °ca
SZ-18-257	789.67	795.47	5.80	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt; weak banded bio; ca frac infill- wk-mod closed; lct 50°ca
SZ-18-257	795.47	799.38	3.91	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str 1-20mil width; wk mod frac and infill; lct40°ca
SZ-18-257	799.38	801.62	2.24	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; 1B 801-801.62 50°ca; lct 50°ca
SZ-18-257	801.62	812.51	10.89	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ trace blebby PO; very trace patchy potassic alt; weak banded bio; ca frac infill- wk; 4B 40°ca sharp cts 805.08-805.32 fg matrix w small to med phenos; qtz ca 805.49-805.68 50°ca frac infill; qtz vn 806.76-806.88 50°ca w chl infill; lct 50°ca
SZ-18-257	812.51	813.00	0.49	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 50°ca
SZ-18-257	813.00	815.35	2.35	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ tr py po; very trace patchy potassic alt; weak banded bio; ca frac infill- wk; lct 40°ca
SZ-18-257	815.35	815.65	0.30	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 40°ca
SZ-18-257	815.65	817.36	1.71	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ tr py po; very trace patchy potassic alt; weak banded bio; ca frac infill- wk; lct 50°ca
SZ-18-257	817.36	819.50	2.14	4B	Feldspar Porphyry	Dark purple/grey; FG-mg; str sil; mod fol; mod banded albite; fg-mg rounded fsp phenos; lct 50°ca
SZ-18-257	819.50	824.29	4.79	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str 1-20mil width; wk mod frac and infill; lct45°ca
SZ-18-257	824.29	827.95	3.66	4B	Feldspar Porphyry	Dark purple/grey; FG-mg; str sil; 50°ca mod fol; mod banded albite; fg mg rounded phenos; lct 40°ca
SZ-18-257	827.95	831.10	3.15	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ tr py po; very trace patchy potassic alt; weak banded bio; ca frac infill- wk; 1B 827.95-828.66 40°ca; lct 50°ca
SZ-18-257	831.10	837.85	6.75	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str 1-10mil width; wk mod frac and infill; lct50°ca
SZ-18-257	837.85	838.85	1.00	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 40°ca
SZ-18-257	838.85	846.85	8.00	1B	Pillowed Flows	Dark grey/black/green; FG; mod fol ~50°ca; mod chl alt'd selvages and bio alt; speckled gt; tr cb str 1-30mil width; wk mod frac and infill; lct50°ca
SZ-18-257	846.85	849.00	2.15	1A	Massive Flows	Medium green/grey; FG; mod fol 50°ca; str banded bleaching w/ tr py po; very trace patchy potassic alt; weak banded bio; ca frac infill- wk; qtz vnl 846.85-846.95 60°ca; qtz ca 847.32-847.40 60°ca
SZ-18-257	849 EOH					



BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	174.18	175.18	1.00	596992	0.022	22		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	175.18	175.83	0.65	596993	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	175.83	176.83	1.00	596994	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	176.83	177.83	1.00	596995	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	376.15	377.15	1.00	596996	0.009	9		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	377.15	377.82	0.67	596997	0.015	15		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	377.82	378.82	1.00	596998	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	673.74	674.74	1.00	596999	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Blank				597000	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	674.74	675.00	0.26	166001	0.016	16		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	675.00	675.50	0.50	166002	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	675.50	676.34	0.84	166003	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	676.34	677.34	1.00	166004	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	677.34	678.30	0.96	166005	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	678.30	679.30	1.00	166006	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	681.00	682.00	1.00	166007	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	682.00	682.66	0.66	166008	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	682.66	683.66	1.00	166009	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	OREAS 216				166010	6.46	6460		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	700.06	701.06	1.00	166011	0.007	7		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	701.06	702.00	0.94	166012	0.005	5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	702.00	703.00	1.00	166013	0.007	7		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	703.00	703.28	0.28	166014	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	703.28	704.37	1.09	166015	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	704.37	705.10	0.73	166016	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	705.10	706.10	1.00	166017	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	709.20	710.20	1.00	166018	0.017	17		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	710.20	711.00	0.80	166019	0.058	58		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Blank				166020	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	711.00	711.78	0.78	166021	0.26	260		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	711.78	712.78	1.00	166022	0.014	14		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	712.78	713.78	1.00	166023	0.019	19		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	713.78	714.78	1.00	166024	0.017	17		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	714.78	715.50	0.72	166025	0.015	15		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	715.50	716.33	0.83	166026	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	716.33	717.33	1.00	166027	0.009	9		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	717.33	717.95	0.62	166028	0.175	175		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	717.95	718.63	0.68	166029	0.051	51		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	OREAS 210				166030	5.28	5280		
SZ-18-257	Sugar Zone	Actlabs	A18-14198	01-Oct-18	23-Oct-18	Assay	718.63	719.63	1.00	166031	0.013	13		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	736.35	737.35	1.00	166032	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	737.35	738.35	1.00	166033	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	738.35	739.12	0.77	166034	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	739.12	740.12	1.00	166035	0.008	8		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	742.19	743.19	1.00	166036	0.015	15		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	743.19	743.42	0.23	166037	0.028	28		
SZ-18-257	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	743.42	744.42	1.00	166038	0.007	7		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	751.16	752.16	1.00	166039	0.018	18		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Blank				166040	0.007	7		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	752.16	752.48	0.32	166041	0.021	21		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	752.48	753.46	0.98	166042	0.015	15		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	753.46	754.26	0.80	166043	0.017	17		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	754.26	755.26	1.00	166044	0.009	9		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	798.38	799.38	1.00	166045	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	799.38	800.00	0.62	166046	0.005	5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	800.00	800.90	0.90	166047	0.008	8		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	800.90	801.62	0.72	166048	0.007	7		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	801.62	802.62	1.00	166049	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	OREAS 215				166050	3.3	3300		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	811.51	812.51	1.00	166051	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	812.51	813.00	0.49	166052	0.017	17		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	813.00	814.00	1.00	166053	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	814.00	815.00	1.00	166054	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	815.00	815.35	0.35	166055	0.005	5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	815.35	815.65	0.30	166056	0.005	5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	815.65	816.65	1.00	166057	0.006	6		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	836.85	837.83	0.98	166058	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	837.83	838.85	1.02	166059	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Blank				166060	0.0025	< 5		
SZ-18-257	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	838.85	839.85	1.00	166061	0.005	5		

		Hole Number:	SZ-18-257W				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					21-Sep-2018	29-Sep-2018	
<u>Planned Coordinates</u>		Azimuth:	45	Drill Contractor:	Foraco Canada Ltd		
Easting	645531.76						
Northing	5407136.72	Dip:	-60	Dates Logged:	Start Date:	End Date:	
Elevation(m)	413.5				23-Sep-2018	29-Sep-2018	
<u>Final Pick up</u>		Depth(m):	798.00	Logger 1:	Shane Moran		
Easting				Logger 2:	Sarah Davis		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)							
Casing				Assay Lab:	Actlabs		
Purpose of Hole	SZ-18-257W1 wedge off 257 starting@ 436.7 Delineate UZ ~705 + LZ ~ 742 -4	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Upper Zone: 1ALT: 669.83-670.5: Moderate banded bleaching and mottled alteration; 5-10% semi-massive and blebby pyrrhotite and pyrite 4ALT: 673.94-674.84: trace feldspar	0.0	45.0	-66.0		planned	52.6
		24.0	46.5	-66.2	5694	6m std; 18	54.1
		54.0	45.4	-65.3	5650	6m stabiliz	53
		84.0	45.7	-65.0	5654	6m stabiliz	53.3
		114.0	46.8	-63.4	5653	6m standa	54.4
		134.0	48.5	-61.1	5642		56.1
		165.0	47.3	-61.1	5714		54.9
		214.0	48.5	-59.3	5638	6m standa	56.1
		243.0	49.5	-58.0	5630		57.1
		Comments	Rod count off at 291m, blocks fixed between 285 and 291; error location at collar. Start of hole was set at 0.33 but was corrected to 3.33m. All information on log is corrected. NOTE: Photos and core boxes from Box 1 to 66 (0.33m to 291m) have not been corrected. S.Davis logged ~100m-wedge at	273.0	50.9	-57.4	5632
300.0	51.2			-57.1	5646	6m stabiliz	58.8
330.0	51.6			-56.7	5644		59.2
360.0	48.5			-56.1	5743	Flashing	56.1
390.0	53.1			-55.5			
420.0	53.5			-54.5	5616	Wedge at 4	61.1
459.0	53.6			-50.5	5627	3m standa	61.2
474.0	55.0			-49.6	5627	3m standa	62.6
489.0	55.2			-47.8	5620	3m standa	62.8
504.0	53.7			-46.8	5701	3m standa	61.3
Azimuth corrected to 7.6 degrees west declination		519.0	53.7	-46.1	5637	3m standa	61.3
		534.0	53.6	-45.6	5621	3m standa	61.2
		549.0	54.8	-45.1	5624	3m standa	62.4
		567.0	62.1	-44.3	5626		69.7
		582.0	55.1	-43.6	5645		62.7
		597.0	57.8	-42.8	5621	at 600m 6	65.4
		627.0	57.4	-41.5	5614		65
		657.0	58.7	-39.5	5620		66.3
		687.0	58.7	-38.4	5579	az 63.9	66.2
		717.0	58.5	-36.5	5622	Bad Az 240	66.1
747.0	58.4	-35.7	5647	6m standa	66		
777.0	59.4	-34.8	5614		67		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-257W	0.00	3.33	3.33	CAS	Casing	
SZ-18-257W	3.33	34.95	31.62	1A	Massive Flows	Med green; FG-MG; varying degrees of grain size predominately at start of hole and towards margin of LC (1Z?); mod fol'n; wk-mod shearing; wk-mod banded/stringer crb; wk banded bi; mod pervasive chl; trce patchy ep; trce-wk ser banding; trce albite banding; mn qtz stringer up to 2cm; trce PoPy (<1%); From 27.46 to 27.65m is QV both contacts sharp UC at 50°ca LC at 45°ca barren
SZ-18-257W	34.95	43.57	8.62	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?) prodominately at UC from transition of 1A; mod fol'n; wk-mod crb interstitial/stringers; zone up to 5cm of str bi clusters; mn qtz stringers <1cm; mn 4E intrusion; trce PoPy (<1%)
SZ-18-257W	43.57	45.42	1.85	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/45% mod corroded MG mod-str elongated fspar phenos parallel to fol'n; mod-str fol'n; mod interstitial bi; mod sil; trce-wk albite stringer; barren
SZ-18-257W	45.42	46.61	1.19	4E	Pegmatite	Whitish/smokey/beigish grey; MG-CG; mod CG qtz; wk chl micro-fractures; str pelitic/speckled albite; trce garnet speckles; mod interstitial muscovite; mn qtz stringer up to 2cm; trce PoPy (<1%)
SZ-18-257W	46.61	51.31	4.70	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B intrusions; trce PoPy (<1%)
SZ-18-257W	51.31	53.23	1.92	1A	Massive Flows	Med green; FG; mod fol'n; wk-mod banded/stringer crb; wk-mod banded bi; mod pervasive chl; trce ep banding; trce ser banding; trce albite stringers; mn qtz stringer <1cm; trce PoPy (<1%)
SZ-18-257W	53.23	107.60	54.37	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B and 4B intrusions; trce PoPy (<1%); str sheared sections
SZ-18-257W	107.60	110.40	2.80	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; strongly potassic altered felsite dyke minor; some minor 1A
SZ-18-257W	110.40	117.70	7.30	1A	Massive Flows	Medium-dark green/grey; FG; str fol/shearing; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W	117.70	144.25	26.55	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W	144.25	146.15	1.90	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W	146.15	153.75	7.60	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W	153.75	156.20	2.45	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W	156.20	160.55	4.35	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W	160.55	161.65	1.10	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W	161.65	167.82	6.17	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; lower 3m is strongly fol w/ str interstitial bi; some minor 1A
SZ-18-257W	167.82	175.18	7.36	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; gradational FG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; zones of hair-thin fracturing; barren
SZ-18-257W	175.18	175.83	0.65	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; 30% PO/PY
SZ-18-257W	175.83	182.04	6.21	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching; mod chl alt'd selvages; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B and 6E units
SZ-18-257W	182.04	185.16	3.12	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257W	185.16	186.20	1.04	4E	Pegmatite	White/grey/green/yellowish; FG-CG; str thready bi/chl fracture-fill; mod qtz veinlets throughout; mod-str disseminated musc; barren
SZ-18-257W	186.20	193.26	7.06	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257W	193.26	209.49	16.23	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching w/ trace potassic alt'n; mod chl alt'd selvages; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B units

SZ-18-257W	209.49	211.38	1.89	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257W	211.38	212.35	0.97	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; <5% banded and blebby PO
SZ-18-257W	212.35	217.00	4.65	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; barren
SZ-18-257W	217.00	218.67	1.67	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257W	218.67	223.57	4.90	6B	Gabbro	Medium-dark green/grey; MG; mod fol; weak interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W	223.57	256.53	32.96	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; few minor 4B less than 30cm (5%); minor 6E and QV; barren
SZ-18-257W	256.53	268.38	11.85	1A	Massive Flows	Green/grey/brown/purple; FG; str fol/shear; str bi banding; mod chl; barren
SZ-18-257W	268.38	283.42	15.04	6B	Gabbro	Dark bluish green/grey; MG-CG; weak-mod fol w/ lcl shearing; trace interstitial bi; trace stringer crb; very trace speckled sulphides
SZ-18-257W	283.42	293.85	10.43	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257W	293.85	297.86	4.01	1Z	Gabbroic with gradational contacts	Medium-light green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257W	297.86	328.50	30.64	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257W	328.50	334.70	6.20	1Z	Gabbroic with gradational contacts	Medium-light green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257W	334.70	344.05	9.35	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W	344.05	347.42	3.37	6A	Diorite	Dark green/grey/purple; MG; mod sil; strong speckled albite; albite banding on contacts; possibly 4B; barren
SZ-18-257W	347.42	351.37	3.95	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W	351.37	354.48	3.11	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 35% CG mod corroded weakly elongated fsp phenos; mod interstitial bi; mod sil; barren
SZ-18-257W	354.48	359.98	5.50	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257W	359.98	361.75	1.77	6B	Gabbro	Dark green; MG; mod fol; lcl strong brecciation with potassic in-fill; trace sulphides
SZ-18-257W	361.75	367.30	5.55	1UT	Ultramafic Talc/Chlorite Altered	Medium-light blue/grey; FG; soft; mod fol; str mag; barren
SZ-18-257W	367.30	368.72	1.42	3D	Iron Formation	Strongly banded cherty layers; weak boudinage; str ser/sil/crb/chl/bi; patchy zones; str PO
SZ-18-257W	368.72	372.20	3.48	1A	Massive Flows	Medium green/grey; FG-MG; str fol; mod banded/interstitial chl; weak-mod disseminated bi; mod wispy bleaching
SZ-18-257W	372.20	377.15	4.95	1UT	Ultramafic Talc/Chlorite Altered	Medium-light blue/grey; FG; soft; mod fol; str mag; barren
SZ-18-257W	377.15	377.82	0.67	3D	Iron Formation	Strongly banded cherty layers; str boudinage and brecciation w/ strong massive PO interstitial and swirled; str ser/sil/crb/chl/bi; patchy zones; str PO
SZ-18-257W	377.82	390.25	12.43	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257W	390.25	392.72	2.47	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 20% str corroded and elongated fsp phenos; mod interstitial bi; mod sil; weak-mod banded/wispy ser; barren
SZ-18-257W	392.72	399.00	6.28	1B	Pillowed Flows	Medium green/grey; FG; str fol/shear; str banded chl alt'd selvages; str banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257W	399.00	432.60	33.60	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; FG-MG; mod interstitial bi; mod pervasive chl; trace stringer crb and albite; trace banded qtz; barren
SZ-18-257W	432.60	436.70	4.10	1B	Pillowed Flows	<WEDGE at 436.7m> Medium green/grey; FG; mod fol/shear; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; weak banded bi
SZ-18-257W	436.70	437.18	0.48	4B	Feldspar Porphyry	Medium grey/purple; FG gmass w/ FG-MG 3% fsp phenos; mod interstitial bi; weak sil; barren
SZ-18-257W	437.18	442.24	5.06	1B	Pillowed Flows	Medium green/grey; FG; mod-str fol/shear; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; str banded bi
SZ-18-257W	442.24	442.59	0.35	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod-stg to 50°C; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 50°C
SZ-18-257W	442.59	475.00	32.41	1B	Pillowed Flows	Medium green/grey; FG; mod foln 45-50°C; mod banded chl alt'd selvages; minor qtz ca str<1% 1-10mil width; mod banded bleaching w/ trace po py; trace patchy potassic alt; banded bio w speckled gt; ep alt; lct50°C
SZ-18-257W	475.00	480.00	5.00	1Z	Gabbroic with gradational contacts	Dark-medium green/grey; FG-MG; mod fol; mod chl; 6E 452.03-452.25 40°C; qtz vn w chl bio alt 476.50-476.64 30°C; 6E 475.78-475.98 50°C and QV; weak bleaching; leucogabbro slightly magnetic w bio alt; trace sulphides lct 50°C

SZ-18-257W	480.00	480.84	0.84	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod-stg to 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; uct 45°ca+lct 50°ca
SZ-18-257W	480.84	488.90	8.06	1Z	Gabbroic with gradational contacts	Dark-medium green/grey; FG-MG; mod fol; mod chl; 6E 483-483.65 50°ca; more of a 1A 483.65-485; 485.62-485.72 6E 50°ca; bleaching 485.84-485.96 50°ca; weak bleaching; leucogabbro slightly magnetic w bio alt; trace sulphides lct 50°ca
SZ-18-257W	488.90	492.06	3.16	1B	Pillowed Flows	stg silicified w banding and stg bio ep chl alt 5-8%+ po py 488.90-489.20 -489.20-489.66 stg banding w gt and biotite Schistose lct 50°ca; 489.66-492.06 Unit Medium green/grey; FG; mod foln 45-50°ca; mod banded chl alt'd selvages; minor qtz ca str<1% 1-10mil width; mod banded bleaching w/ trace po py; trace patchy potassic alt; banded bio w speckled gt; ep alt; lct50°ca
SZ-18-257W	492.06	525.85	33.79	1A	Massive Flows	Medium green/grey; FG-MG; mod stg foln 50°a; wk mod banded/interstitial chl; weak-mod disseminated bio; mod wispy bleaching; 6E 496.82-497.24 45°ca w qtz stg lct 497.24-497.26 45°ca; (1ALT) multi hued brn grn white stg banded bio chl alt w 10%+ silic 7-10% sulphides py po fg diss in unit 500.40-500.65 sharp cts 50°ca; 4B 501.60-502.15 50°ca cts fg phenos mod stg shr w 10-20% mafic inclusions; mg-cg gabbroic 503-509.9; LCT 40°ca
SZ-18-257W	525.85	527.00	1.15	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; 1A 526-526.25 40°ca; lct 40°ca
SZ-18-257W	527.00	538.65	11.65	1A	Massive Flows	Medium green/grey; FG-MG; mod foln 50°a; wk mod banded/interstitial chl; weak-mod disseminated bio; mod wispy bleaching; <1%qtz ca str 1-10mil wide 40-50°ca; LCT 50°ca
SZ-18-257W	538.65	539.57	0.92	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol 40°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 40°ca
SZ-18-257W	539.57	565.52	25.95	1A	Massive Flows	Medium green/grey; FG-MG; mod foln 50°a; wk mod banded/interstitial chl; weak-mod disseminated bio; mod wispy bleaching; <1-2%qtz ca str 1-30mil wide 40-50°ca; @uct 539.57-539.88 banded bio chl qtz/ca str; qtz ca str w 30mil movement w visible displacement 558.76-589.88 10mil wide; LCT diffuse 50°ca
SZ-18-257W	565.52	566.94	1.42	1B	Pillowed Flows	Medium green/grey; FG; mod foln 60°ca; mod banded chl alt'd selvages; minor qtz ca str<1% 1-10mil width; mod banded bleaching w/ trace po py; trace patchy potassic alt; banded bio w speckled gt; ep alt; ; lct60°ca
SZ-18-257W	566.94	567.40	0.46	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str sil; ser alt mod fol 60°ca; mod banded albite; stg laminated appearance; remnant corroded and elongated fsp phenos; 1-3%fg diss sulphides; lct 60°ca
SZ-18-257W	567.40	583.94	16.54	1B	Pillowed Flows	Medium green/grey; FG; mod foln 60°ca; mod banded chl alt'd selvages; minor qtz ca str<1% 1-30mil width shallow and vertical; mod banded bleaching w/ trace po py; trace patchy potassic alt; banded bio w speckled gt; ep alt; 6E 571.57-571.77 60°ca; 4B 578.69-579.65 w 40% 1B 50°ca; lct60°ca
SZ-18-257W	583.94	588.73	4.79	1A	Massive Flows	Medium green/grey; FG-MG; mod foln 60°ca; wk mod banded/interstitial chl; weak-mod disseminated bio; mod wispy bleaching; <1%qtz ca str 1-3mil wide 60°ca; lct diffuse 60°ca
SZ-18-257W	588.73	594.65	5.92	1B	Pillowed Flows	Medium green/grey; FG; mod foln 60°ca; mod banded chl alt'd selvages; minor qtz ca str<1% 1-3mil width; mod banded bleaching w/ trace po py; trace patchy potassic alt; banded bio w speckled gt; ep alt; 5B 591.74-592 10°ca 30-40mil wide meandering; qtz vnl 592.15-592.24 50°ca; 5B 592.82-593 10°ca 30-40mil wide meandering; lct60°ca
SZ-18-257W	594.65	599.70	5.05	1A	Massive Flows	Medium green/grey; FG-MG; mod foln 60°ca; wk mod banded/interstitial chl; weak-mod disseminated bio; mod wispy bleaching; <1%qtz ca str 1-3mil wide 60°ca; minor 5B frac controlled 597.13-597.20+597.32-597.45; lct diffuse °ca
SZ-18-257W	599.70	606.24	6.54	5B	Granodiorite	White/grey; FG-CG; weak to no fol; 5-10% clustered and dyklet smokey qtz; trace CG garnets; mod wispy amph/chl; speckled bi; barren
SZ-18-257W	606.24	618.50	12.26	1B	Pillowed Flows	Medium-dark grey/green; FG; weak-mod fol; weak-mod banded chl alt'd selvages; mod crb/Qtz veinlets; trace garnet speckling; mod bleached banding; barren
SZ-18-257W	618.50	619.00	0.50	4B	Feldspar Porphyry	Medium purple/grey; FG w/ MG mod corroded weakly elongated fsp phenos; mod interstitial bi/chl; mod interstitial/banded albite; barren
SZ-18-257W	619.00	619.36	0.36	1ALT	Altered Mafic Volcanic	Strong banded brown/beige/white/green/purple; FG; str fol; str bi/chl/crb/ser; mod speckled garnets; trace stringer PO
SZ-18-257W	619.36	620.12	0.76	4B	Feldspar Porphyry	Medium purple/grey; FG w/ MG mod corroded weakly elongated fsp phenos; mod interstitial bi/chl; mod interstitial/banded albite; barren
SZ-18-257W	620.12	621.35	1.23	1ALT	Altered Mafic Volcanic	Weak banded green/white/brown; mod chl selvages; mod-str banded qtz/crb; trace sulphides
SZ-18-257W	621.35	626.87	5.52	5B	Granodiorite	White/grey; FG-CG; weak to no fol; 5-10% clustered and dyklet smokey qtz; trace CG garnets; mod wispy amph/chl; speckled bi; barren
SZ-18-257W	626.87	641.18	14.31	1B	Pillowed Flows	Medium-dark grey/green; FG; weak-mod fol; weak-mod banded chl alt'd selvages; mod crb/Qtz veinlets; trace garnet speckling; mod bleached banding; barren
SZ-18-257W	641.18	642.40	1.22	QV	Quartz Vein	Massive white-clearish/smokey bull qtz; mod-str rafted chl/bi; mod speckled/clustered albite; very trace blebby PO; barren

SZ-18-257W	642.40	645.46	3.06	1B	Pillowed Flows	Medium-dark grey/green; FG; weak-mod fol; weak-mod banded chl alt'd selvages; mod crb/qtz veinlets; trace garnet speckling; mod bleached banding; barren
SZ-18-257W	645.46	649.53	4.07	5B	Granodiorite	White/grey; FG-CG; weak to no fol; 5-10% clustered and dyklet smokey qtz; trace CG garnets; mod wispy amph/chl; speckled bi; barren
SZ-18-257W	649.53	651.65	2.12	1B	Pillowed Flows	Medium-dark grey/green; FG; weak-mod fol; weak-mod banded chl alt'd selvages; mod crb/qtz veinlets; trace garnet speckling; mod bleached banding; barren
SZ-18-257W	651.65	652.19	0.54	4ALT	Altered Feldspar Porphyry	Medium purple; mod beige bleached ser flooding; str sil; mod fol; weak interstitial msc/bi; barren
SZ-18-257W	652.19	655.35	3.16	1A	Massive Flows	Medium-dark grey; FG; mod fol; mod interstitial bi; mod chl; weak bleached banding; trace qtz stringers; barren
SZ-18-257W	655.35	655.83	0.48	4ALT	Altered Feldspar Porphyry	Medium purple w/ strong hairline fractures w/ str ser fill and haloing; % qtz veinlets w/ trace PO; mod-str sil
SZ-18-257W	655.83	658.64	2.81	1A	Massive Flows	Medium-dark grey; FG; mod fol; mod interstitial bi; mod chl; weak bleached banding; trace qtz stringers; 2% stringer PO/PY
SZ-18-257W	658.64	661.46	2.82	1B	Pillowed Flows	Medium-dark grey/green; FG; weak-mod fol; weak-mod banded chl alt'd selvages; mod crb/qtz veinlets; trace garnet speckling; mod bleached banding; barren
SZ-18-257W	661.46	664.67	3.21	1A	Massive Flows	Medium-dark grey; FG; mod fol; mod interstitial bi; mod chl; weak bleached banding; trace qtz stringers; barren
SZ-18-257W	664.67	669.83	5.16	6B	Gabbro	Dark green/grey; MG; weak fol; mod chl; weak banded bleaching and stringer crb; weak stringer bi; barren
SZ-18-257W	669.83	670.50	0.67	1ALT	Altered Mafic Volcanic	Dark green grey/beige/light grey/brown; FG; mod banded bleached alt'n; mod crb/bi banding; 5-10% semi-massive and blebby PO/PY lcl
SZ-18-257W	670.50	673.94	3.44	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	673.94	674.84	0.90	4ALT	Altered Feldspar Porphyry	Dark purple and mottled beige; very trace fsp phenos over-printed and str silicified; str sil; mod mottled ser; mod speckled chl/amph; trace banded alb; barren
SZ-18-257W	674.84	676.48	1.64	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	676.48	676.78	0.30	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod sil; mod banded ser; barren
SZ-18-257W	676.78	678.87	2.09	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	678.87	679.22	0.35	QV	Quartz Vein	Massive granular white to weakly smokey qtz; bull qtz; trace rafted amph needles and crb and chl; 2% lcl blebby PY
SZ-18-257W	679.22	681.25	2.03	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	681.25	682.40	1.15	4ALT	Altered Feldspar Porphyry	Medium purple/grey and trace hairline fracture ser fill-beige; FG; mod fol; mod ser banding; str sil; 12cm 1ALT and 8cm qv at 681.88-682.08 w/ 4% disseminated PO; barren
SZ-18-257W	682.40	684.80	2.40	1A	Massive Flows	Dark grey/green; FG; mod fol; mod banded qtz/crb/bleached ser; barren
SZ-18-257W	684.80	687.34	2.54	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	687.34	687.98	0.64	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod sil; mod banded ser; mod speckled and banded albite; barren
SZ-18-257W	687.98	688.86	0.88	1ALT	Altered Mafic Volcanic	Dark green grey/beige/light grey/brown/white; FG; mod banded bleached alt'n; mod crb/bi banding; >5% stringer/disseminated PO
SZ-18-257W	688.86	699.80	10.94	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	699.80	704.78	4.98	5B	Granodiorite	White/yellowish w/ 30% black/grey speckling and wisps; amph/chl/bi; very irregular contacts and mottled altered 1A segments; several zones almost pegmatitic w/ CG smokey qtz; banded stringer bi; trace disseminated sulphides
SZ-18-257W	704.78	706.42	1.64	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; str banded mottled albite/bi/ser alt'n; 2% qtz veining; str sil; trace to no sulphides
SZ-18-257W	706.42	710.75	4.33	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	710.75	711.10	0.35	1ALT	Altered Mafic Volcanic	Dark green/grey and beige; FG; mod fol; trace mottled alt'n and trace sulphides
SZ-18-257W	711.10	714.34	3.24	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG-MG; very strongly overprinted and corroded fsp phenos >20%; 10% qtz veins w/ >2% PO; 10cm pegmatite barren; diabase dyke minor; mod-str fol; str sil; mod banded ser bleaching
SZ-18-257W	714.34	715.10	0.76	1ALT	Altered Mafic Volcanic	Dark green/grey and beige; FG; mod fol; trace mottled alt'n and trace sulphides
SZ-18-257W	715.10	717.89	2.79	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG-MG; very strongly overprinted and corroded fsp phenos >20%; mod interstitial bi; barren
SZ-18-257W	717.89	737.77	19.88	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	737.77	738.00	0.23	1ALT	Altered Mafic Volcanic	Medium-dark green/grey and light grey; FG; mod mottled alteration; mod crb; mod chl; mod banded bi and crb; mod sil; barren
SZ-18-257W	738.00	747.13	9.13	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	747.13	748.44	1.31	6B	Gabbro	Medium green/grey; MG; mod chl; weak interstitial bi; barren

SZ-18-257W	748.44	752.64	4.20	1A	Massive Flows	Medium green/grey; FG; mod chl; weak interstitial bi; weak interstitial and stringer crb; trace clustered qtz; barren
SZ-18-257W	752.64	756.25	3.61	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	756.25	757.22	0.97	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG-MG; very strongly overprinted and corroded fsp phenos >10%; mod interstitial bi; str sil; mod banded ser; barren
SZ-18-257W	757.22	758.30	1.08	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	758.30	759.35	1.05	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG-MG; very strongly overprinted and corroded fsp phenos >10%; mod interstitial bi; str sil; mod banded ser; barren
SZ-18-257W	759.35	768.80	9.45	1A	Massive Flows	Medium green/grey; FG; mod chl; weak interstitial bi; weak interstitial and stringer crb; trace clustered qtz; barren
SZ-18-257W	768.80	769.10	0.30	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG-MG; very strongly overprinted and corroded fsp phenos >10%; mod interstitial bi; str sil; mod banded ser; barren
SZ-18-257W	769.10	770.06	0.96	1A	Massive Flows	Medium green/grey; FG; mod chl; weak interstitial bi; weak interstitial and stringer crb; trace clustered qtz; barren
SZ-18-257W	770.06	772.07	2.01	6A	Diorite	Possible 1A; strongly overprinted fsp phenos ~ 1-2mm; str sil; dark green/purple; mod fol; barren
SZ-18-257W	772.07	773.86	1.79	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	773.86	775.48	1.62	4ALT	Altered Feldspar Porphyry	Medium purple/grey; mod-str speckled chl/amph/alb; str stringer chl rims; str irregular qtz dyklets; mod albite banding; trace speckled PO/PY
SZ-18-257W	775.48	779.20	3.72	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W	779.20	784.65	5.45	6B	Gabbro	Medium green/grey; MG; mod chl; weak interstitial bi; barren
SZ-18-257W	784.65	798.00	13.35	1B	Pillowed Flows	Dark green/grey; FG; mod bleached stringers and banding; mod crb stringers; mod chl alt'd selvages; trace to no stringer PO
SZ-18-257W						EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	441.24	442.24	1.00	166062	0.017	17		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	442.24	442.54	0.30	166063	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	442.54	443.54	1.00	166064	0.008	8		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	479.00	480.00	1.00	166065	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	480.00	480.84	0.84	166066	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	480.84	481.84	1.00	166067	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	487.90	488.90	1.00	166068	0.02	20		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	488.90	489.20	0.30	166069	0.012	12		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	OREAS 216				166070	6.5	6500		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	489.20	490.20	1.00	166071	0.01	10		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	499.40	500.40	1.00	166072	0.03	30		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	500.40	500.65	0.25	166073	1.37	1370		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	500.65	501.60	0.95	166074	0.026	26		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	524.85	525.85	1.00	166075	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	525.85	526.25	0.40	166076	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	526.25	527.00	0.75	166077	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	527.00	528.00	1.00	166078	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	537.65	538.65	1.00	166079	0.005	5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Blank				166080	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	538.65	539.57	0.92	166081	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	539.57	540.57	1.00	166082	0.009	9		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	565.94	566.94	1.00	166083	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	566.94	567.40	0.46	166084	0.006	6		
SZ-18-257W	Sugar Zone	Actlabs	A18-15236	16-Oct-18	30-Oct-18	Assay	567.40	568.40	1.00	166085	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	617.50	618.50	1.00	166086	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	618.50	619.00	0.50	166087	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	619.00	619.36	0.36	166088	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	619.36	620.12	0.76	166089	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	OREAS 210				166090	5.42	5420		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	620.12	620.75	0.63	166091	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	620.75	621.35	0.60	166092	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	621.35	622.35	1.00	166093	0.047	47		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	640.18	641.18	1.00	166094	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	641.18	641.65	0.47	166095	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	641.65	642.40	0.75	166096	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	642.40	643.40	1.00	166097	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	650.65	651.65	1.00	166098	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	651.65	652.19	0.54	166099	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Blank				166100	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	652.19	653.00	0.81	166101	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	653.00	654.00	1.00	166102	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	654.00	654.73	0.73	166103	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	654.73	655.25	0.52	166104	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	655.25	655.83	0.58	166105	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	655.83	656.83	1.00	166106	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	668.83	669.83	1.00	166107	#VALUE!	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	669.83	670.50	0.67	166108	0.01	10		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	670.50	671.50	1.00	166109	0.008	8		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	OREAS 216				166110	6.48	6480		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	671.50	672.00	0.50	166111	0.006	6		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	672.00	672.94	0.94	166112	0.005	5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	672.94	673.94	1.00	166113	0.006	6		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	673.94	674.84	0.90	166114	0.005	5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	674.84	675.75	0.91	166115	0.007	7		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	675.75	676.48	0.73	166116	0.01	10		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	676.48	676.78	0.30	166117	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	676.78	677.83	1.05	166118	0.005	5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	677.83	678.87	1.04	166119	0.006	6		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Blank				166120	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	678.87	679.22	0.35	166121	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	679.22	680.06	0.84	166122	0.006	6		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	680.06	680.88	0.82	166123	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	680.88	681.25	0.37	166124	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	681.25	681.88	0.63	166125	0.053	53		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	681.88	682.40	0.52	166126	0.298	298		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	682.40	683.40	1.00	166127	0.022	22		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	683.40	684.40	1.00	166128	0.022	22		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	684.40	684.80	0.40	166129	0.026	26		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	OREAS 215				166130	3.42	3420		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	684.80	685.76	0.96	166131	0.01	10		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	685.76	686.34	0.58	166132	0.01	10		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	686.34	687.34	1.00	166133	0.061	61		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	687.34	687.98	0.64	166134	0.007	7		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	687.98	688.86	0.88	166135	0.017	17		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	688.86	689.86	1.00	166136	0.008	8		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	699.00	699.80	0.80	166137	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	699.80	700.80	1.00	166138	0.005	5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	700.80	701.80	1.00	166139	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Blank				166140	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	701.80	702.80	1.00	166141	0.0025	< 5		
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	702.80	703.68	0.88	166142	0.007	7		



SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	703.68	704.40	0.72	166143	0.005	5	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	704.40	704.78	0.38	166144	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	704.78	705.58	0.80	166145	0.012	12	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	705.58	706.42	0.84	166146	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	706.42	707.00	0.58	166147	0.009	9	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	707.00	708.00	1.00	166148	0.011	11	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	708.00	709.00	1.00	166149	0.033	33	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	OREAS 210				166150	5.5	5500	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	709.00	710.00	1.00	166151	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	710.00	710.75	0.75	166152	0.01	10	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	710.75	711.10	0.35	166153	0.016	16	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	711.10	711.77	0.67	166154	1	1000	
SZ-18-257W	Sugar Zone	Actlabs	A18-14331	03-Oct-18	05-Oct-18	Assay	711.77	712.50	0.73	166155	0.034	34	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	712.50	712.96	0.46	166156	1.49	1490	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	712.96	713.26	0.30	166157	0.006	6	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	713.26	713.84	0.58	166158	0.75	750	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	713.84	714.34	0.50	166159	0.151	151	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Blank				166160	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	714.34	715.10	0.76	166161	0.312	312	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	715.10	715.93	0.83	166162	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	715.93	716.55	0.62	166163	0.008	8	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	716.55	717.50	0.95	166164	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	717.50	717.89	0.39	166165	0.009	9	
SZ-18-257W	Sugar Zone	Actlabs	A18-15003	15-Oct-18	19-Oct-18	Assay	717.89	718.89	1.00	166166	0.028	28	
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	736.77	737.77	1.00	166167	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	737.77	738.40	0.63	166168	0.01	10	
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	Assay	738.40	739.40	1.00	166169	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15232	16-Oct-18	30-Oct-18	OREAS 215				166170	3.5	3500	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	755.25	756.25	1.00	166171	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	756.25	757.22	0.97	166172	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	757.22	757.70	0.48	166173	0.006	6	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	757.70	758.30	0.60	166174	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	758.30	758.95	0.65	166175	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	758.95	759.35	0.40	166176	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	759.35	760.00	0.65	166177	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	760.00	761.00	1.00	166178	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	767.80	768.80	1.00	166179	0.005	5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Blank				166180	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	768.80	769.10	0.30	166181	0.006	6	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	769.10	770.06	0.96	166182	0.01	10	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	770.06	771.00	0.94	166183	0.005	5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	771.00	772.00	1.00	166184	0.005	5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	772.00	773.00	1.00	166185	0.006	6	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	773.00	773.86	0.86	166186	0.01	10	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	773.86	774.37	0.51	166187	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	774.37	775.00	0.63	166188	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	775.00	775.48	0.48	166189	0.0025	< 5	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	OREAS 216				166190	6.51	6510	
SZ-18-257W	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	775.48	776.48	1.00	166191	0.006	6	



<b>Hole Number:</b>	<b>SZ-18-257W2</b>
<b>Drill Rig:</b>	Drill 20
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					30-Sep-2018	7-Oct-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	45	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	645531.76					
<b>Northing</b>	5407136.72	<b>Dip:</b>	-66	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	413.5				2-Oct-2018	7-Oct-2018
<u>Final Pick up</u>		<b>Depth(m):</b>	741.00	<b>Logger 1:</b>	Sarah Davis	
<b>Easting</b>						
<b>Northing</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Elevation(m)</b>						
<b>Casing</b>		<b>Cemented</b>		<b>Logger 3:</b>		
				<b>Assay Lab:</b>	Actlabs	

Purpose of Hole	Cemented	Dip Tests							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Sugar Zone Indicated to inf drilling		0.0	46.5	-66.2		Planned			
		24.0	46.5	-66.2	5694		54.1		
<b>Results</b> Upper Zone 643.95651.091ALT/4ALT Wedge at 275m Lower Zone 670.46673.171/4ALT 673.17673.75QV2 specks VG; 7%		54.0	45.4	-65.3	5650		53		
		84.0	45.7	-65.0	5654		53.3		
		114.0	46.8	-63.4	5653		54.4		
		134.0	48.5	-61.1	5642		56.1		
		165.0	47.3	-61.1	5714		54.9		
		214.0	48.5	-59.3	5638		56.1		
		243.0	49.5	-58.0	5630		57.1		
		<b>Comments</b> Rod count off at 291m, blocks fixed between 285 and 291; error location at collar. Start of hole was set at 0.33 but was corrected to 3.33m. All information on log is corrected. NOTE: Photos and core boxes from Box 1 to 66 of pilot hole (0.33m to 291m) have not been corrected. S.Davis logged ~100m-EOH		273.0	50.9	-57.4	5632	wedge at	58.5
				290.0	51.7	-50.2	5639	3m standa	59.3
				302.0	52.5	-44.9	5638	at 302 6m	60.1
333.0	53.7			-43.6	5633		61.3		
363.0	59.4			-42.8	5612	6m stabiliz	67		
393.0	57.5			-42.1	5595	changed bi	65.1		
423.0	57.3			-41.8	5611	Taken fron	64.9		
426.0	57.1			-41.5	5610	6m stabiliz	64.7		
453.0	56.9			-41.0	5605	change bit	64.5		
483.0	56.2			-40.0	5626		63.8		
<b>Azimuth corrected to 7.6 degrees west declination</b>		513.0	56.6	-39.3	5613	6m stabiliz	64.2		
		543.0	57.1	-38.7	5605	changed bi	64.7		
		573.0	56.6	-37.1	5626	6m stabiliz	64.2		
		603.0	57.3	-36.4	5613	6m stabiliz	64.9		
		633.0	57.8	-35.7	5589	6m stabiliz	65.4		
		663.0	57.4	-34.9	5628	changed bi	65		
		693.0	59.0	-34.0	5672	6m stabiliz	66.6		
		723.0	57.4	-33.3	5631	6m stabiliz	65		
		741.0	57.8	-32.9	5613	6m stabiliz	65.4		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-257W2	0.00	3.33	3.33	CAS	Casing	
SZ-18-257W2	3.33	34.95	31.62	1A	Massive Flows	Med green; FG-MG; varying degrees of grain size predominately at start of hole and towards margin of LC (1Z?); mod fol'n; wk-mod shearing; wk-mod banded/stringer crb; wk banded bi; mod pervasive chl; trce patchy ep; trce-wk ser banding; trce albite banding; mn qtz stringer up to 2cm; trce PoPy (<1%); From 27.46 to 27.65m is QV both contacts sharp UC at 50°ca LC at 45°ca barren
SZ-18-257W2	34.95	43.57	8.62	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?) prodominately at UC from transition of 1A; mod fol'n; wk-mod crb interstitial/stringers; zone up to 5cm of str bi clusters; mn qtz stringers <1cm; mn 4E intrusion; trce PoPy (<1%)
SZ-18-257W2	43.57	45.42	1.85	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/45% mod corroded MG mod-str elongated fspar phenos parallel to fol'n; mod-str fol'n; mod interstitial bi; mod sil; trce-wk albite stringer; barren
SZ-18-257W2	45.42	46.61	1.19	4E	Pegmatite	Whitish/smokey/beigish grey; MG-CG; mod CG qtz; wk chl micro-fractures; str pelitic/speckled albite; trce garnet speckles; mod interstitial muscovite; mn qtz stringer up to 2cm; trce PoPy (<1%)
SZ-18-257W2	46.61	51.31	4.70	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B intrusions; trce PoPy (<1%)
SZ-18-257W2	51.31	53.23	1.92	1A	Massive Flows	Med green; FG; mod fol'n; wk-mod banded/stringer crb; wk-mod banded bi; mod pervasive chl; trce ep banding; trce ser banding; trce albite stringers; mn qtz stringer <1cm; trce PoPy (<1%)
SZ-18-257W2	53.23	107.60	54.37	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grains size in some sections (1Z?); mod fol'n; wk-mod crb interstitial/stringers; mn qtz stringers up to 5cm (barren); mn 5B and 4B intrusions; trce PoPy (<1%); str sheared sections
SZ-18-257W2	107.60	110.40	2.80	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; strongly potassic altered felsite dyke minor; some minor 1A
SZ-18-257W2	110.40	117.70	7.30	1A	Massive Flows	Medium-dark green/grey; FG; str fol/shearing; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W2	117.70	144.25	26.55	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W2	144.25	146.15	1.90	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W2	146.15	153.75	7.60	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W2	153.75	156.20	2.45	1A	Massive Flows	Medium-dark green/grey; FG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W2	156.20	160.55	4.35	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; some minor 1A
SZ-18-257W2	160.55	161.65	1.10	6B	Gabbro	Medium-dark green/grey; MG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W2	161.65	167.82	6.17	4B	Feldspar Porphyry	Medium-dark purple w/ zoned flooding of potassic alteration; several generations of borderline dioritic material to feldspar porphyries; some areas w/ 50% phenos; ~25% has very strongly corroded and elongated sheared phenos w/ str fol; mostly weak to no fol throughout; lower 3m is strongly fol w/ str interstitial bi; some minor 1A
SZ-18-257W2	167.82	175.18	7.36	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; gradational FG-CG; mod fol; str interstitial bi and pervasive chl; mod crb stringers; zones of hair-thin fracturing; barren
SZ-18-257W2	175.18	175.83	0.65	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; 30% PO/PY
SZ-18-257W2	175.83	182.04	6.21	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching; mod chl alt'd selvedges; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B and 6E units
SZ-18-257W2	182.04	185.16	3.12	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257W2	185.16	186.20	1.04	4E	Pegmatite	White/grey/green/yellowish; FG-CG; str thready bi/chl fracture-fill; mod qtz veinlets throughout; mod-str disseminated musc; barren
SZ-18-257W2	186.20	193.26	7.06	4B	Feldspar Porphyry	Medium purple/grey w/ mod beige/green ser-alt'd fractures throughout; FG gmass w/ 5% strongly corroded remnant fsp phenos; mod banded albite; mod speckled chl/amph/bi; barren
SZ-18-257W2	193.26	209.49	16.23	1B	Pillowed Flows	Medium/light and dark greens; strongly banded bleaching w/ trace potassic alt'n; mod chl alt'd selvedges; mod banded ser; sections of wispy mixing and weak boudinage; weak-mod banded crb; mod zones of bi; minor 4B units

SZ-18-257W2	209.49	211.38	1.89	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257W2	211.38	212.35	0.97	3D	Iron Formation	Banded cherty layers; dark purple/light purple/brown/cream/green; VFG-FG; <5% banded and blebby PO
SZ-18-257W2	212.35	217.00	4.65	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; barren
SZ-18-257W2	217.00	218.67	1.67	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ 10% strongly corroded remnant fsp phenos; trace stringer ser alt'd fractures; mod speckled chl/amph/bi; mod sil; barren
SZ-18-257W2	218.67	223.57	4.90	6B	Gabbro	Medium-dark green/grey; MG; mod fol; weak interstitial bi and pervasive chl; mod crb stringers; barren
SZ-18-257W2	223.57	256.53	32.96	1B	Pillowed Flows	Medium/light and dark greens; weakly banded bleaching; mod chl alt'd selvages; mod banded ser; weak-mod banded crb; mod zones of bi; few minor 4B less than 30cm (5%); minor 6E and QV; barren
SZ-18-257W2	256.53	268.38	11.85	1A	Massive Flows	Green/grey/brown/purple; FG; str fol/shear; str bi banding; mod chl; barren
SZ-18-257W2	268.38	282.76	14.38	6B	Gabbro	Dark bluish green/grey; FG-MG; weak-mod fol w/ lcl shearing; trace interstitial bi; trace stringer crb; very trace speckled sulphides
SZ-18-257W2	282.76	291.60	8.84	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257W2	291.60	295.50	3.90	1Z	Gabbroic with gradational contacts	Medium green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257W2	295.50	322.76	27.26	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n; minor 4B
SZ-18-257W2	322.76	327.05	4.29	1Z	Gabbroic with gradational contacts	Medium green/grey; FG-MG; weak fol; weak interstitial bi; weak-mod chl; mod bleached flooding; barren
SZ-18-257W2	327.05	334.30	7.25	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; trace banded crb; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W2	334.30	337.52	3.22	6A	Diorite	Dark green/grey/purple; MG; mod sil; strong speckled and banded albite; albite banding on contacts; possibly 4B; 20cm 1B sections; barren
SZ-18-257W2	337.52	340.20	2.68	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W2	340.20	343.17	2.97	4B	Feldspar Porphyry	Medium purple/grey; FG groundmass w. CG mod corroded and elongated fsp phenos; mod interstitial bi; mod sil; weak-mod banded ser; barren
SZ-18-257W2	343.17	348.22	5.05	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W2	348.22	350.64	2.42	1A	Massive Flows	Medium green; FG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; barren
SZ-18-257W2	350.64	354.85	4.21	1UT	Ultramafic Talc/Chlorite Altered	Light blue-grey and green-grey; str mag; FG; weak-mod fol; mod crb; mod banded bi; patchy 3D w/ strong mag; barren; lcl fault gouge at 353.85-353.9
SZ-18-257W2	354.85	357.90	3.05	1A	Massive Flows	Medium green; FG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; barren
SZ-18-257W2	357.90	360.77	2.87	1UT	Ultramafic Talc/Chlorite Altered	Light blue-grey and green-grey; str mag; FG; weak-mod fol; mod crb; mod banded bi; patchy 3D w/ strong mag; barren
SZ-18-257W2	360.77	361.20	0.43	FZ	Fault Zone	In 1UT; str faulting and talc clays; str mag; FG; str fol; str fault gouge; barren
SZ-18-257W2	361.20	363.80	2.60	1A	Massive Flows	Medium green; FG; weak fol; mod-str pervasive chl; trace patchy crb; barren
SZ-18-257W2	363.80	364.20	0.40	3D	Iron Formation	Banded cherty layers w/ 20% massive PO and blebby PY; 2-5% SPH
SZ-18-257W2	364.20	367.47	3.27	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W2	367.47	371.62	4.15	5B	Granodiorite	White/grey; FG-CG; some aplitic fsp; wispy and speckled amph needles and chl and bi; patchy albite; trace patchy qtz; barren
SZ-18-257W2	371.62	372.60	0.98	6A	Diorite	Dark green/grey/purple; MG; mod sil; strong speckled and banded albite; albite banding on contacts; possibly 4B; barren
SZ-18-257W2	372.60	377.58	4.98	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; mod banded bleaching w/ trace blebby PO; trace patchy potassic alt'n
SZ-18-257W2	377.58	402.58	25.00	1Z	Gabbroic with gradational contacts	Medium green; FG-MG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; zone of mod shearing; barren
SZ-18-257W2	402.58	404.70	2.12	4B	Feldspar Porphyry	Medium purple/grey; mod banded/fracture-halo ser; str sil; trace <2% fsp phenos; trace qtz veins; barren
SZ-18-257W2	404.70	406.00	1.30	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	406.00	407.62	1.62	5B	Granodiorite	White/grey; FG-MG; 25% needly amph and bi; patchy serl patchy albite and qtz veinlets; barren
SZ-18-257W2	407.62	445.40	37.78	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod-str banded chl alt'd selvages; mod-str banded crb; mod banded bleaching (actinolite and ser) w/ trace blebby/stringer PO; mod banded and patchy diopside and epidote; mod banded ser; mod banded bi; str silicified alt'n packages
SZ-18-257W2	445.40	460.75	15.35	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	460.75	466.69	5.94	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zone of mod banded bleaching (actinolite and ser) w/ trace blebby/stringer PO; mod banded ser; mod banded bi; str silicified alt'd packages

SZ-18-257W2	466.69	469.20	2.51	5B	Granodiorite	White/grey; FG-CG; 25% needly amph and bi; patchy ser; patchy albite and qtz veinlets; trace disseminated PO blebs and very trace disseminated PY blebs throughout
SZ-18-257W2	469.20	471.87	2.67	1Z	Gabbroic with gradational contacts	Medium green; FG-MG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; zones of mod shearing; barren
SZ-18-257W2	471.87	477.00	5.13	5B	Granodiorite	White/grey; FG-CG; 25% needly amph and bi; patchy ser; patchy albite and qtz veinlets; trace disseminated PO blebs and very trace disseminated PY blebs throughout
SZ-18-257W2	477.00	484.32	7.32	1Z	Gabbroic with gradational contacts	Medium green; FG-MG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; zones of mod shearing; barren
SZ-18-257W2	484.32	486.54	2.22	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	486.54	487.95	1.41	3C	Conglomerate	Medium green/grey; FG; mod fol; mod banded chl/crb/ser/bi; 5cm elongated clasts strongly chloritized; possibly a zone of small elongated pillows?
SZ-18-257W2	487.95	490.70	2.75	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	490.70	501.88	11.18	1Z	Gabbroic with gradational contacts	Medium green; FG-MG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; zones of mod shearing; barren
SZ-18-257W2	501.88	506.40	4.52	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	506.40	509.34	2.94	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zone of mod banded bleaching (actinolite and ser) w/ trace blebby/stringer PO; mod banded ser; mod banded bi; str silicified alt'd packages
SZ-18-257W2	509.34	522.80	13.46	1Z	Gabbroic with gradational contacts	Medium green; FG-MG; weak fol; mod-str pervasive chl; trace patchy crb; mottled bleached patchy alt'n; zones of mod shearing; barren
SZ-18-257W2	522.80	524.65	1.85	4ALT	Altered Feldspar Porphyry	Medium-light purple beige grey; VFG to FG; moderate remnant fsp phenos; very strong brecciation w/ str sericite fracture-fill and haloing; very strong silicification; barren
SZ-18-257W2	524.65	532.30	7.65	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	532.30	543.50	11.20	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zone of mod banded bleaching +/- garnets (actinolite and ser) w/ trace blebby/stringer PO; mod banded ser; mod banded bi; mod speckled garnets
SZ-18-257W2	543.50	544.82	1.32	5B	Granodiorite	White/grey; FG-CG; 25% needly amph and bi; patchy ser; patchy albite and qtz veinlets; irregular contacts; trace disseminated PO blebs and very trace disseminated PY blebs throughout
SZ-18-257W2	544.82	586.50	41.68	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zone of mod banded bleaching +/- garnets (actinolite and ser) w/ trace blebby/stringer PO; mod banded ser; mod banded bi; mod speckled garnets
SZ-18-257W2	586.50	592.40	5.90	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	592.40	603.03	10.63	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zone of mod banded bleaching +/- garnets (actinolite and ser) w/ trace blebby/stringer PO; mod banded ser; mod banded bi; mod speckled garnets
SZ-18-257W2	603.03	605.19	2.16	QV	Quartz Vein	Several segments of massive white bull qtz w/ 35% host 1B between; see veins tab for specific intervals
SZ-18-257W2	605.19	616.16	10.97	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	616.16	616.55	0.39	4ALT	Altered Feldspar Porphyry	Medium-light purple grey; VFG to FG; weak remnant fsp phenos; strong silicification; barren
SZ-18-257W2	616.55	627.90	11.35	1A	Massive Flows	Dark grey; FG; weak fol; weak pervasive chl; trace crb/chl stringers; barren
SZ-18-257W2	627.90	634.47	6.57	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	634.47	635.90	1.43	4B	Feldspar Porphyry	Medium purple grey; FG w/ 20% MG mod corroded and elongated fsp phenos; mod banded albite; mod sil; 30% minor 1B units; barren
SZ-18-257W2	635.90	643.95	8.05	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	643.95	644.33	0.38	1ALT	Altered Mafic Volcanic	Strong mottled alt'n banding; grey/brown/green/white/purple; FG; str banding; str bi/crb/chl; speckled PO/stringer SPH
SZ-18-257W2	644.33	645.68	1.35	4ALT	Altered Feldspar Porphyry	Medium-light purple grey; VFG to FG; weak remnant fsp phenos; strong silicification; barren
SZ-18-257W2	645.68	646.00	0.32	1ALT	Altered Mafic Volcanic	Strong mottled alt'n banding; grey/brown/green/white/purple; FG; str banding; str bi/crb/chl; speckled PO/stringer SPH; 50% 1B unit
SZ-18-257W2	646.00	649.16	3.16	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	649.16	650.13	0.97	7A	Diabase	Dark grey; FG w/ 1-2cm epidote clusters; str mag; barren
SZ-18-257W2	650.13	650.60	0.47	1ALT	Altered Mafic Volcanic	Strong mottled alt'n banding; grey/brown/green/white/purple; FG; str banding; str bi/crb/chl; speckled PO/stringer SPH
SZ-18-257W2	650.60	651.09	0.49	4ALT	Altered Feldspar Porphyry	Medium-light purple grey; VFG to FG; weak remnant fsp phenos; strong silicification; barren
SZ-18-257W2	651.09	651.81	0.72	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren

SZ-18-257W2	651.81	652.19	0.38	1ALT	Altered Mafic Volcanic	Strong mottled alt'n banding; grey/brown/green/white/purple; FG; str banding; str bi/crb/chl; barren
SZ-18-257W2	652.19	665.50	13.31	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; w/ ~30cm qtz vein at 662m; barren
SZ-18-257W2	665.50	666.64	1.14	4B	Feldspar Porphyry	Dark purple; FG w/ MG 5% strongly corroded and overprinted and elongated fsp phenos; mod sil; mod banded albite; 4% banded qtz veins; barren
SZ-18-257W2	666.64	670.46	3.82	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	670.46	670.82	0.36	4ALT	Altered Feldspar Porphyry	Medium-dark purple; FG; w/ disseminated msc; trace FG remnant phenos; str sil; mod albite banding; trace qtz veins; barren
SZ-18-257W2	670.82	671.32	0.50	1ALT	Altered Mafic Volcanic	Dark grey and light green/grey; FG; mod mottled alt'n; mod banded ser/bi/crb/chl; str banded qtz vein pinkish smokey w/ 7% sulphides
SZ-18-257W2	671.32	673.17	1.85	4ALT	Altered Feldspar Porphyry	Medium purple; FG; w/ disseminated msc; <5% FG-MG remnant phenos; str sil; mod albite banding; 2% qtz veins; disseminated stringers of PY 0.5%
SZ-18-257W2	673.17	673.75	0.58	QV	Quartz Vein	2 specks VG; Whitish grey smokey qtz; granular; weak crack-seal texture; 7% sulphides PO/SPH/GA/PY; w/ 22cm 1ALT at lower contact
SZ-18-257W2	673.75	676.06	2.31	4B	Feldspar Porphyry	Medium purple/grey; FG w/ MG 30% mod corroded and elongated fsp phenos; weak ser flooding; mod sil; barren
SZ-18-257W2	676.06	677.10	1.04	4ALT	Altered Feldspar Porphyry	Medium purple; FG; w/ disseminated msc; str sil; trace albite banding; 2% qtz veins; barren
SZ-18-257W2	677.10	678.00	0.90	5B	Granodiorite	White w/ black specks and needles; amph/bi; weak flooded ser; mod sil; trace speckled msc; trace speckled PY
SZ-18-257W2	678.00	679.50	1.50		Lost Core	Core was lost in barrel and ground out; appears to be dominantly 5B and 1B from the pebbles that were retrieved; it is not expected that any significant zone was lost in this interval
SZ-18-257W2	679.50	680.60	1.10	5B	Granodiorite	White w/ black specks and needles; amph/bi; weak flooded ser; mod sil; trace speckled msc; trace speckled PY
SZ-18-257W2	680.60	688.40	7.80	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	688.40	690.15	1.75	5B	Granodiorite	White w/ black specks and needles; amph/bi; very strong speckled fsp eyes up to 25%; weak flooded ser; mod sil; trace speckled msc; irregular contacts w/ very str bi halos; barren
SZ-18-257W2	690.15	712.38	22.23	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	712.38	712.96	0.58	1ALT	Altered Mafic Volcanic	Dark grey and light green/grey; FG; weak mottled alt'n; mod banded ser/bi/crb/chl; str banded qtz vein pinkish smokey w/ 7% sulphides
SZ-18-257W2	712.96	714.22	1.26	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren
SZ-18-257W2	714.22	715.22	1.00	4ALT	Altered Feldspar Porphyry	Medium purple/grey; FG; str fol; trace very remnant very elongated fsp phenos; mod banded albite; mod sil; barren
SZ-18-257W2	715.22	716.34	1.12	1A	Massive Flows	Medium-dark grey/green; FG; weak fol; weak chl; trace albite/qtz veinlets; barren
SZ-18-257W2	716.34	716.85	0.51	4ALT	Altered Feldspar Porphyry	Medium purple/grey; FG; str fol; trace very remnant very elongated fsp phenos; mod banded albite; mod sil; barren
SZ-18-257W2	716.85	723.22	6.37	1A	Massive Flows	Medium-dark grey/green; FG; weak fol; weak chl; trace albite/qtz veinlets; barren
SZ-18-257W2	723.22	741.00	17.78	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded chl alt'd selvages; mod banded crb; zones of mod banded bleaching +/- garnets (actinolite and ser); mod banded ser; mod banded bi; mod speckled garnets; barren

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	362.80	363.80	1.00	166192	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	363.80	364.20	0.40	166193	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	364.20	365.20	1.00	166194	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	521.80	522.80	1.00	166195	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	522.80	523.80	1.00	166196	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	523.80	524.65	0.85	166197	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	524.65	525.65	1.00	166198	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	602.03	603.03	1.00	166199	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Blank				166200	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	603.03	603.85	0.82	166201	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	603.85	604.73	0.88	166202	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	604.73	605.19	0.46	166203	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	605.19	606.19	1.00	166204	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	615.16	616.16	1.00	166205	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	616.16	616.55	0.39	166206	0.005	5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	616.55	617.55	1.00	166207	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	628.20	629.20	1.00	166208	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	629.20	629.90	0.70	166209	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	OREAS 215				166210	3.43	3430		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	629.90	630.90	1.00	166211	0.006	6		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	642.95	643.95	1.00	166212	0.005	5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	643.95	644.33	0.38	166213	0.313	313		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	644.33	645.03	0.70	166214	0.1	100		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	645.03	645.68	0.65	166215	0.014	14		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	645.68	646.00	0.32	166216	0.053	53		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	646.00	647.00	1.00	166217	0.012	12		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	647.00	648.00	1.00	166218	0.01	10		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	648.00	648.50	0.50	166219	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Blank				166220	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	648.50	649.16	0.66	166221	0.01	10		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	649.16	650.13	0.97	166222	0.006	6		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	650.13	650.60	0.47	166223	0.008	8		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	650.60	651.09	0.49	166224	0.021	21		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	651.09	651.81	0.72	166225	0.035	35		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	651.81	652.19	0.38	166226	0.018	18		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	652.19	653.19	1.00	166227	0.013	13		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	661.00	662.00	1.00	166228	0.01	10		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	662.00	662.31	0.31	166229	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	OREAS 210				166230	5.25	5250		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	662.31	663.00	0.69	166231	0.007	7		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	663.00	664.00	1.00	166232	0.006	6		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	664.00	665.00	1.00	166233	0.008	8		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	665.00	665.50	0.50	166234	0.012	12		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	665.50	666.00	0.50	166235	0.008	8		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	666.00	666.64	0.64	166236	0.005	5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	666.64	667.64	1.00	166237	0.012	12		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	667.64	668.64	1.00	166238	0.021	21		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Assay	668.64	669.64	1.00	166239	0.024	24		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15237	16-Oct-18	31-Oct-18	Blank				166240	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	669.64	670.46	0.82	166241	0.059	59		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	670.46	670.82	0.36	166242	0.01	10		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	670.82	671.32	0.50	166243	0.08	80		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	671.32	672.00	0.68	166244	0.201	201		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	672.00	672.43	0.43	166245	0.481	481		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	672.43	673.17	0.74	166246	0.853	853		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	673.17	673.75	0.58	166247	21.3	> 10000	26.3	21.3
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	673.75	674.70	0.95	166248	0.044	44		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	674.70	675.40	0.70	166249	0.031	31		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	OREAS 216				166250	6.52	6520		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	675.40	676.06	0.66	166251	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	676.06	677.10	1.04	166252	0.793	793		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15001	15-Oct-18	19-Oct-18	Assay	677.10	678.00	0.90	166253	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	711.38	712.38	1.00	166254	0.005	5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	712.38	712.96	0.58	166255	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	712.96	713.55	0.59	166256	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	713.55	714.22	0.67	166257	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	714.22	715.22	1.00	166258	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	715.22	715.96	0.74	166259	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Blank				166260	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	715.96	716.34	0.38	166261	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	716.34	716.85	0.51	166262	0.0025	< 5		
SZ-18-257W2	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	716.85	717.85	1.00	166263	0.0025	< 5		



<b>Hole Number:</b>	<b>SZ-18-258</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					5-Oct-2018	7-Oct-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	40	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646067.54					
<b>Northing</b>	5407266.37	<b>Dip:</b>	-60	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	456.87				6-Oct-2018	7-Oct-2018
<u>Final Pick up</u>		<b>Depth(m):</b>	150.00	<b>Logger 1:</b>	Sarah Davis	
<b>Easting</b>						
<b>Northing</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Elevation(m)</b>						
<b>Casing</b>		<b>Cemented</b>		<b>Logger 3:</b>		
					<b>Assay Lab:</b>	Actlabs

Purpose of Hole	Sugar Zone Inf to Ind drilling	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
<b>Results</b>	Upper Zone 98.92-100.14 ALT Trace banded quartz and albite; trace blebby PO	0.0	39.7	-59.0		Planned	47.6
		18.0	39.7	-59.0	5659	6m standa	47.3
		33.0	38.5	-58.8	5619	6m standa	46.1
		60.0	40.5	-58.4	5626	6m standa	48.1
		90.0	39.1	-58.2	5609		46.7
		120.0	42.0	-56.1	5611		49.6
<b>Comments</b>	Lower Zone 130.13-130.50 ALT Weak quartz	150.0	43.4	-55.4	5630	6m standa	51
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>			-7.6				
			-7.6				
			-7.6				



BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-258	0.00	5.60	5.60	CAS	Casing	
SZ-18-258	5.60	45.94	40.34	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; w/ minor 6E and 4B units; barren
SZ-18-258	45.94	47.95	2.01	1A	Massive Flows	Dark green/grey; FG; mod interstitial bleaching; trace banded crb; barren
SZ-18-258	47.95	61.87	13.92	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	61.87	64.12	2.25	4B	Feldspar Porphyry	Medium purple/grey; FG; str fol; trace remnant <2% fsp phenos strongly corroded and elongated; mod banded albite; weak ser-haloed hairline fractures; mod sil; trace sulphides
SZ-18-258	64.12	67.00	2.88	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	67.00	71.25	4.25	1A	Massive Flows	Dark green/grey; FG; mod interstitial bleaching; trace banded crb; barren
SZ-18-258	71.25	75.64	4.39	6B	Gabbro	Dark grey-black; MG-CG; str needly amph; trace banded wispy bleached crb/ser; barren
SZ-18-258	75.64	88.60	12.96	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	88.60	89.82	1.22	6A	Diorite	Medium beige/pink/grey/black/green; strongly mottled; str sil; str fol; strongly overprinted; parent material very likely a diorite/granodiorite; barren
SZ-18-258	89.82	98.92	9.10	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	98.92	100.14	1.22	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG; mod fol; mod-str sil; mod speckled msc; trace banded qtz and albite; trace blebby PO
SZ-18-258	100.14	102.57	2.43	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	102.57	103.06	0.49	FZ	Fault Zone	Fragmental; in 1B; w/ chl and crb fill along open fractures; barren; weak healed brecciation
SZ-18-258	103.06	109.85	6.79	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	109.85	110.40	0.55	4ALT	Altered Feldspar Porphyry	Medium grey/brown/purple; FG-MG; weak sil; mod ser; mod banded albite; mod interstitial bi; barren
SZ-18-258	110.40	119.07	8.67	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren; w/ longitudinally crosscutting 4D unit
SZ-18-258	119.07	121.20	2.13	4ALT	Altered Feldspar Porphyry	Medium-dark purple/grey; FG; mod fol; mod-str sil; mod speckled msc; trace banded qtz and albite; lower metre is broken up by drill but shows a segment of pink pegmatite; at lower contact; ser flooding is str; barren
SZ-18-258	121.20	124.46	3.26	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	124.46	125.47	1.01	4ALT	Altered Feldspar Porphyry	Medium grey/brown/purple; FG-MG; weak sil; mod ser; mod banded albite; mod interstitial bi; barren
SZ-18-258	125.47	126.50	1.03	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	126.50	127.20	0.70	4ALT	Altered Feldspar Porphyry	Medium grey/brown/purple; FG-MG; weak sil; mod ser; mod banded albite; mod interstitial bi; barren
SZ-18-258	127.20	130.13	2.93	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	130.13	130.50	0.37	1ALT	Altered Mafic Volcanic	Dark and light green/brown/beige/purple; FG; mod mottled alt'n; mod bi; mod act; weak qtz banding; trace sulphides
SZ-18-258	130.50	130.81	0.31	QV	Quartz Vein	Massive smokey granular qtz; trace PO and SPH; trace GN and PY; weak bi
SZ-18-258	130.81	132.90	2.09	4ALT	Altered Feldspar Porphyry	2 specks VG; Medium grey/brown/purple; FG-MG; weak sil; mod ser; mod banded albite; mod interstitial bi; grades into 20% strongly corroded fsp phenos; 20cm 1ALT zone w/ 10cm qtz vein in center w/ <8% sulphides; barren
SZ-18-258	132.90	133.20	0.30	1ALT	Altered Mafic Volcanic	Dark and light green/brown/beige/purple; FG; mod mottled alt'n; mod bi; mod act; weak qtz banding; trace sulphides
SZ-18-258	133.20	133.80	0.60	4B	Feldspar Porphyry	Medium grey/brown/purple; FG-MG 20% mod corroded fsp phenos; weak sil; mod ser; mod banded albite; mod interstitial bi; barren
SZ-18-258	133.80	135.46	1.66	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren
SZ-18-258	135.46	136.15	0.69	4B	Feldspar Porphyry	Medium grey/brown/purple; FG-MG 20% mod corroded fsp phenos; weak sil; mod ser; mod banded albite; mod interstitial bi; barren
SZ-18-258	136.15	150.00	13.85	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod banded chl alt'd selvages; weak speckled garnets; mod banded crb; mod banded bi; barren

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	97.92	98.92	1.00	160219	0.014	14		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Blank				160220	0.0025	< 5		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	98.92	99.40	0.48	160221	0.287	287		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	99.40	100.14	0.74	160222	0.648	648		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	100.14	101.14	1.00	160223	0.015	15		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	101.14	102.14	1.00	160224	0.01	10		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	102.14	103.06	0.92	160225	0.01	10		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	108.85	109.85	1.00	160226	0.008	8		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	109.85	110.40	0.55	160227	0.022	22		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	110.40	111.40	1.00	160228	0.007	7		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	118.07	119.07	1.00	160229	0.01	10		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	OREAS 210				160230	5.29	5290		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	119.07	120.14	1.07	160231	0.007	7		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	120.14	121.20	1.06	160232	0.024	24		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	121.20	122.20	1.00	160233	0.025	25		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	122.20	123.20	1.00	160234	0.028	28		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	123.20	124.00	0.80	160235	0.021	21		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	124.00	124.46	0.46	160236	0.022	22		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	124.46	125.47	1.01	160237	0.005	5		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	125.47	126.50	1.03	160238	0.013	13		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	126.50	127.20	0.70	160239	0.008	8		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Blank				160240	0.0025	< 5		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	127.20	128.20	1.00	160241	0.013	13		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	128.20	129.13	0.93	160242	0.018	18		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	129.13	130.13	1.00	160243	0.023	23		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	130.13	130.50	0.37	160244	0.435	435		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	130.50	130.81	0.31	160245	6.85	7480	6.85	
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	130.81	131.81	1.00	160246	0.04	40		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	131.81	132.40	0.59	160247	0.017	17		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	132.40	132.90	0.50	160248	0.438	438		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	132.90	133.20	0.30	160249	0.15	150		
SZ-18-258	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	OREAS 215				160250	3.33	3330		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	133.20	133.80	0.60	160251	0.081	81		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	133.80	134.67	0.87	160252	0.118	118		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	134.67	135.46	0.79	160253	0.0025	< 5		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	135.46	136.15	0.69	160254	0.005	5		
SZ-18-258	Sugar Zone	Actlabs	A18-15434	18-Oct-18	12-Nov-18	Assay	136.15	137.15	1.00	160255	0.007	7		



<b>Hole Number:</b>	<b>SZ-18-258A</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					4-Oct-2018	5-Oct-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	40	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646067.54	<b>Dip:</b>	-60	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407266.37			5-Oct-2018	5-Oct-2018	
<b>Elevation(m)</b>	456.87					
<u>Final Pick up</u>		<b>Depth(m):</b>	45.00	<b>Logger 1:</b>	Sarah Davis	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>		<b>Dip Tests</b>						
<b>Purpose of Hole</b>		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>	
		0.0	40.0	-60.0		Planned	47.6	
<b>Results</b>	ABANDONED	18.0	39.7	-59.0	5659	6m stabiliz	47.3	
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
<b>Comments</b>	Hole was abandoned due to broken ground at and near surface			-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
				-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>				-7.6				
				-7.6				
				-7.6				







<b>Hole Number:</b>	<b>SZ-18-259</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					7-Oct-2018	9-Oct-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	70	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	646067.54	<b>Dip:</b>	-46	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407266.37				8-Oct-2018	9-Oct-2018
<b>Elevation(m)</b>	456.87					
<u>Final Pick up</u>		<b>Depth(m):</b>	135.24	<b>Logger 1:</b>	Sarah Davis	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>	Cemented
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<b>Purpose of Hole</b>	Fill in Drilling Sugar Zone Near Surface	<b>Dip Tests</b>					
		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	Upper Zone	0.0	71.0	-46.9		Planned	
	90.5491.231.12ALTT	17.0	71.0	-46.9	5680		78.6
	91.2393.114ALTT	48.0	72.6	-46.3	5631	6m standa	80.2
	91.2393.114ALTT	73.6	73.6	-45.3	5621	2 tests	81.2
	93.1193.931.12ALTT	108.0	73.0	-44.7	5625	6m standa	80.6
	93.1193.931.12ALTT	135.0	73.7	-44.3	5586	6m standa	81.3
<b>Comments</b>	Top of hole is strongly fragmental with lots of broken ground.		-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>			-7.6				
			-7.6				
			-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-259	0.00	6.25	6.25	CAS	Casing	
SZ-18-259	6.25	16.50	10.25	1B	Pillowed Flows	Medium grey/green; strongly fragmental and broken ground; very low RQD; str bi; several grano/granite cobbles near surface; mod garnet speckling; barren
SZ-18-259	16.50	21.75	5.25	FZ	Fault Zone	Strongly fragmental with several open fractures w/ str chl and talc and slicken lines; some fractures have crb coatings; some core shows strong healed brecciation; 2% lcl euhedral PY in open fractures
SZ-18-259	21.75	52.53	30.78	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	52.53	56.00	3.47	1A	Massive Flows	Medium green/grey; FG; weak-mod fol; weak chl; weak stringer crb; barren
SZ-18-259	56.00	56.70	0.70	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	56.70	58.90	2.20	1A	Massive Flows	Medium green/grey; FG; weak-mod fol; weak chl; weak stringer crb; barren
SZ-18-259	58.90	59.63	0.73	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	59.63	64.30	4.67	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	64.30	67.80	3.50	6B	Gabbro	Medium green/grey; FG-MG; weak-mod fol; weak chl; weak stringer crb; barren
SZ-18-259	67.80	80.00	12.20	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	80.00	82.47	2.47	FZ	Fault Zone	Strongly bleached 1B zone w/ mod-str sericitized brecciation; some open fractures; pegmatitic dyklet <25cm at 81m; strong bleaching throughout; mod bi; mod act; mod ser; banded albite; barren
SZ-18-259	82.47	90.54	8.07	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	90.54	91.23	0.69	1ALT	Altered Mafic Volcanic	Dark green/grey ad light green/grey; FG; mod fol; mod mottled; trace to no speckled PO; mod banded bi/ser/chl/crb
SZ-18-259	91.23	93.11	1.88	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	93.11	93.93	0.82	1ALT	Altered Mafic Volcanic	Dark green/grey ad light green/grey; FG; mod fol; mod mottled; trace to no speckled PO; mod banded bi/ser/chl/crb
SZ-18-259	93.93	99.33	5.40	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	99.33	99.87	0.54	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	99.87	102.40	2.53	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	102.40	102.70	0.30	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	102.70	108.26	5.56	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	108.26	110.65	2.39	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	110.65	113.13	2.48	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	113.13	113.83	0.70	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	113.83	115.76	1.93	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	115.76	116.27	0.51	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	116.27	121.30	5.03	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	121.30	122.20	0.90	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	122.20	123.00	0.80	1ALT	Altered Mafic Volcanic	Dark green/grey ad light green/grey; FG; mod fol; mod mottled; trace to no speckled PO; mod banded bi/ser/chl/crb

SZ-18-259	123.00	127.48	4.48	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren
SZ-18-259	127.48	128.43	0.95	4B	Feldspar Porphyry	Medium-light purple and beige; FG w/ 10% strongly corroded fsp phenos; mod fol; mod hairline fractures w/ haloed ser; str sil w/ 2% qtz veins; trace sulphides
SZ-18-259	128.43	129.57	1.14	4ALT	Altered Feldspar Porphyry	Medium-light purple and beige; FG; mod fol; mod hairline fractures w/ haloed ser; str sil; barren
SZ-18-259	129.57	130.77	1.20	QV	Quartz Vein	Flooded weakly smokey qtz; mod thready crack seal w/ crb and albite fracture-fill; trace stringer epi; mod banded bi; 3% disseminated PY; 3% blebby SPH; 2% blebby PO and 2% stringer and blebby GAL; suspected gold but no VG
SZ-18-259	130.77	135.24	4.47	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded/wispy bleached ser/act; mod banded crb/qtz; mod lcl speckled garnets; mod banded bi; mod banded chl alt'd selvages; barren



BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	55.00	56.00	1.00	160256	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	56.00	56.60	0.60	160257	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	56.60	57.00	0.40	160258	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	57.00	57.90	0.90	160259	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Blank				160260	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	57.90	58.90	1.00	160261	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	58.90	59.63	0.73	160262	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	59.63	60.63	1.00	160263	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	89.54	90.54	1.00	160264	0.011	11		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	90.54	91.23	0.69	160265	0.59	590		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	91.23	92.15	0.92	160266	0.436	436		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	92.15	93.11	0.96	160267	0.122	122		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	93.11	93.93	0.82	160268	0.05	50		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	93.93	94.93	1.00	160269	0.01	10		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	OREAS 210				160270	5.36	5360		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	98.33	99.33	1.00	160271	0.006	6		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	99.33	99.87	0.54	160272	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	99.87	100.87	1.00	160273	0.009	9		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	100.87	101.87	1.00	160274	0.006	6		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	101.87	102.40	0.53	160275	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	102.40	102.70	0.30	160276	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	102.70	103.70	1.00	160277	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	103.70	104.70	1.00	160278	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	104.70	105.70	1.00	160279	0.005	5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Blank				160280	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	105.70	106.70	1.00	160281	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	106.70	107.70	1.00	160282	0.008	8		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	107.70	108.26	0.56	160283	0.008	8		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	108.26	109.01	0.75	160284	0.01	10		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	109.01	110.00	0.99	160285	0.005	5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	110.00	110.65	0.65	160286	0.007	7		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	110.65	111.32	0.67	160287	0.008	8		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	111.32	112.13	0.81	160288	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	112.13	113.13	1.00	160289	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	OREAS 216				160290	6.42	6420		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	113.13	113.83	0.70	160291	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	113.83	114.83	1.00	160292	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	114.83	115.76	0.93	160293	0.009	9		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	115.76	116.27	0.51	160294	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	116.27	117.27	1.00	160295	0.006	6		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	120.30	121.30	1.00	160296	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	121.30	122.20	0.90	160297	0.026	26		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	122.20	123.00	0.80	160298	0.028	28		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	123.00	124.00	1.00	160299	0.01	10		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Blank				160300	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	124.00	125.00	1.00	160301	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	125.00	126.00	1.00	160302	0.005	5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	126.00	127.00	1.00	160303	0.005	5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	127.00	127.48	0.48	160304	0.0025	< 5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	127.48	128.43	0.95	160305	0.247	247		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	128.43	129.22	0.79	160306	1.72	1720		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	129.22	129.57	0.35	160307	0.091	91		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	129.57	130.00	0.43	160308	31.5	> 10000	23.1	31.5
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	130.00	130.42	0.42	160309	11.9	> 10000	13.5	11.9
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	OREAS 215				160310	3.4	3400		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Assay	130.42	130.77	0.35	160311	1.05	1050		
SZ-18-259	Sugar Zone	Actlabs	A18-15228	16-Oct-18	22-Oct-18	Blank				160312	0.022	22		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	130.77	131.77	1.00	160313	0.061	61		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	131.77	132.77	1.00	160314	0.011	11		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	132.77	133.60	0.83	160315	0.007	7		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	133.60	134.60	1.00	160316	0.005	5		
SZ-18-259	Sugar Zone	Actlabs	A18-15488	19-Oct-18	20-Nov-18	Assay	134.60	135.24	0.64	160317	0.0025	< 5		

		Hole Number:	SZ-18-261				
		Drill Rig:	Drill 20				
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					8-Oct-2018	23-Nov-2018	
Planned Coordinates		Azimuth:	40	Drill Contractor:	Foraco Canada Ltd		
Easting	645589.4						
Northing	5407055.2	Dip:	-83	Dates Logged:	Start Date:	End Date:	
Elevation(m)	413.04				9-Oct-2018	23-Nov-2018	
Final Pick up		Depth(m):	1602.00	Logger 1:	Sarah Davis		
Easting				Logger 2:	Karen Barlow		
Northing				Logger 3:	Shane Moran		
Elevation(m)		Core Size:	NQ	Assay Lab:	Actlabs		
Casing							
Purpose of Hole	Deep extension of Sugar Zone North Chute	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results		0.0	40.0	-83.0		Planned	47.6
		21.0	42.8	-83.7	5645	6m stabiliz	50.4
		51.0	39.2	-83.4	5638	6m stabiliz	46.8
		81.0	38.4	-82.5	5630	6m stabiliz	46
		111.0	39.3	-82.1	5626	from repo	46.9
		141.0	40.5	-82.4	5628	changed b	48.1
		171.0	41.5	-82.0	5633	6m stabiliz	49.1
		201.0	46.0	-81.9	5659	6m stabiliz	53.6
		231.0	45.5	-81.7	5627	6m stabiliz	53.1
		Comments	S.Davis logged from top of hole to 729m. K.Barlow logged from 729m to ?. S.Moran logged to end of hole.	261.0	46.5	-81.6	5636
291.0	48.0			-81.2	5625	6m stabiliz	55.6
321.0	45.9			-81.7	5623	6m stabiliz	53.5
351.0	46.3			-81.5	5619	6m stabiliz	53.9
381.0	48.3			-81.9	5628	cnanged b	55.9
411.0	51.9			-81.4	5622	6m stabiliz	59.5
441.0	51.4			-81.1	5626	at 434 swit	59
471.0	51.0			-80.5	5627	6m standa	58.6
501.0	53.9			-80.7	5691	6m standa	61.5
531.0	52.4			-79.9	5623		60
Azimuth corrected to 7.6 degrees west declination		561.0	51.4	-79.5	5631		59
		591.0	56.7	-78.8	5627		64.3
		621.0	57.9	-78.8	5631		65.5
		651.0	59.3	-78.7	5644	at 651 6m	66.9
		681.0	61.2	-78.1	5654		68.8
		711.0	60.8	-77.2	5633	6m standa	68.4
		741.0	64.0	-76.8	5641	753m bit c	71.6
		771.0	64.9	-75.4	5660	786 bit cha	72.5
		801.0	66.3	-74.6	5656	6m standa	73.9
		831.0	65.2	-74.5	5700	hi mag az	77.9
		861.0	64.1	-73.9	5727		
		899.0	66.3	-73.2	5639	6m standa	73.9
		939.0	73.6	-72.3	5679	6m standa	81.2
		969.0	71.3	-71.1	5673	6m standa	78.9
		999.0	69.7	-69.9	5618	6m standa	77.3
		1029.0	69.4	-69.0	5639	6m standa	77
		1059.0	68.4	-68.7	5633	6m standa	76
		1089.0	69.7	-68.7	5618	6m standa	77.3
		1119.0	69.7	-68.2	5616		77.3
		1149.0	70.2	-66.5	5640		77.8
		1179.0	68.0	-62.3	5662		77
		1209.0	69.4	-61.8	5630		77
		1239.0	69.1	-61.0	5587	at 1239 6m	76.7
		1269.0	69.0	-59.9	5586	6m stabiliz	76.6
		1299.0	67.7	-59.8	5586		75.3
		1329.0	71.3	-59.7	5628	6m stabiliz	78.9
		1359.0	70.9	-59.6	5606	6m stabali	78.5
		1389.0	69.0	-59.7	5603	6m stabali	76.6
		1419.0	69.4	-59.9	5610	6m stabali	77
		1449.0	68.9	-59.5	5605	6m hex C.f	76.5
		1479.0	68.5	-59.0	5626	1461m cha	76.1
		1509.0	69.7	-59.2	5606	6m hex C.f	77.3
		1539.0	68.8	-59.2	5614	1515m cha	76.4
		1569.0	70.1	-58.9	5627		77.7
		1599.0	69.6	-58.8	5637		77.2

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-261	0.00	3.74	3.74	CAS	Casing	
SZ-18-261	3.74	17.62	13.88	1A	Massive Flows	Medium-dark grey/green; FG-MG; str fol; mod patchy chl; mod patchy/wispy ser bleaching; fragmental cobbles at top of hole; zone of strong shear w/ str bi and likely 6E unit?; barren
SZ-18-261	17.62	23.25	5.63	5B	Granodiorite	White w/ <5% mafic speckling; trace needly amph/bi; trace-3% qtz veins; lcl 8mm corroded garnets; barren
SZ-18-261	23.25	69.50	46.25	6B	Gabbro	Medium-dark grey/green; MG-CG; str fol; str interstitial crb/bleaching; mod-str lcl interstitial bi; mod needly amph; mod-str chl; zone of strong shear; patchy bleaching w/ trace blebby PY; minor 4B and 6A; zone of strong bleaching possibly a 6E bleached intrusive
SZ-18-261	69.50	71.78	2.28	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ MG 5% weakly corroded fsp phenos; weak to mod fol; top half has very strongly overprinted phenos and stronger fol; mod interstitial bi; str sil; barren
SZ-18-261	71.78	76.75	4.97	5H	Shear	Dark green and brown; FG; very str fol and shear; str bi banding; mod chl; 2% qtz veins; 3% bleached banding; barren
SZ-18-261	76.75	86.50	9.75	6B	Gabbro	Medium-dark green; MG; mod fol; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	86.50	87.90	1.40	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ MG 25% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; barren
SZ-18-261	87.90	103.40	15.50	6B	Gabbro	Medium-dark green; MG; mod fol; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	103.40	111.45	8.05	5H	Shear	Medium-dark green and medium beige; MG-CG; str fol and str shear; str crenulation; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren; <20cm light beige to white pegmatites w/ str FG msc
SZ-18-261	111.45	125.70	14.25	6B	Gabbro	Medium-dark green; MG; mod fol; very strong sheared; mod interstitial bi; weak speckled leucoxene; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	125.70	133.33	7.63	6B	Gabbro	Medium-dark green; MG; mod fol; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	133.33	138.00	4.67	5H	Shear	Medium-dark green and medium beige; MG-CG; str fol and str shear; str crenulation; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	138.00	139.47	1.47	4E	Pegmatite	Salmon pink to whitish w/ black specks; FG-CG; aplitic fsp w/ str potassic alt'n; str pressure fracture alt'n and silicification; fracture-controlled trm; barren; minor 6B
SZ-18-261	139.47	140.55	1.08	4E	Pegmatite	Mushy patchy light medium and dark greens with white/beige/pinkish and blues; str patchy epidote; str ser; str sil; str diopside; str chl; mushy albite matrix; patchy talc; barren
SZ-18-261	140.55	144.40	3.85	4E	Pegmatite	Salmon pink to whitish w/ black specks w/ sections of dark orangy red and wispy grey/green; FG-CG; aplitic fsp w/ str potassic alt'n; str pressure fracture alt'n and silicification; fracture-controlled trm; mod lcl fsp eyes; patchy blebby PO/PY; minor shear/4B; 143 to end is more likely a granodiorite w/ patches of pegmatite within
SZ-18-261	144.40	146.10	1.70	1A	Massive Flows	Green and brown; FG; mod fol; str bi banding; mod chl; weak cloudy bleaching; barren; minor 4B/4E
SZ-18-261	146.10	163.36	17.26	6B	Gabbro	Medium-dark green; MG; mod fol; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	163.36	167.50	4.14	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ MG 25% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; barren
SZ-18-261	167.50	168.54	1.04	6B	Gabbro	Medium-dark green; MG; mod fol; mod interstitial bi; weak speckled leucoxene; str lcl shearing; <3% feldspar dyklets; weak lcl patchy banded bleaching; barren
SZ-18-261	168.54	182.00	13.46	4B	Feldspar Porphyry	Medium purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; barren
SZ-18-261	182.00	183.37	1.37	6B	Gabbro	Medium-dark green; MG-CG; mod-str fol; mod-str interstitial bi; str lcl shearing; weak lcl patchy banded bleaching; barren
SZ-18-261	183.37	185.80	2.43	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren
SZ-18-261	185.80	187.39	1.59	6B	Gabbro	Medium-dark green; MG-CG; mod-str fol; mod-str crenulation; mod-str interstitial bi; str lcl shearing; weak lcl patchy banded bleaching; barren
SZ-18-261	187.39	214.90	27.51	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren
SZ-18-261	214.90	226.25	11.35	6B	Gabbro	Medium-dark green; MG-CG; mod-str fol; mod-str interstitial bi; str lcl shearing; mod-str crenulation; weak lcl patchy banded bleaching; barren

SZ-18-261	226.25	227.63	1.38	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren
SZ-18-261	227.63	230.33	2.70	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	230.33	234.78	4.45	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren
SZ-18-261	234.78	241.00	6.22	6B	Gabbro	Medium-dark green; MG-CG; mod-str fol; mod-str interstitial bi; str lcl shearing; mod-str crenulation; weak lcl patchy banded bleaching; barren
SZ-18-261	241.00	245.02	4.02	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	245.02	255.63	10.61	4B	Feldspar Porphyry	Multiple generations; Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren; 30% of zones have trace to 5% fsp phenos FG and str interstitial bi
SZ-18-261	255.63	257.30	1.67	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren; half pegmatite minor
SZ-18-261	257.30	260.53	3.23	4B	Feldspar Porphyry	Multiple generations; Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren; 30% of zones have trace to 5% fsp phenos FG and str interstitial bi
SZ-18-261	260.53	261.65	1.12	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	261.65	263.75	2.10	4B	Feldspar Porphyry	Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren
SZ-18-261	263.75	266.78	3.03	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	266.78	277.60	10.82	4B	Feldspar Porphyry	Multiple generations; Medium-dark purple/grey; FG gmass w/ MG 25-40% weakly corroded fsp phenos; weak to mod fol; mod interstitial bi; mod sil; mod lcl stringer/fracture-halo ser; lcl zones of potassic alt'n; barren; 30% of zones have trace to 5% fsp phenos FG and str interstitial bi
SZ-18-261	277.60	283.95	6.35	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	283.95	285.35	1.40	4B	Feldspar Porphyry	Medium-dark green; MG-CG; str fol; mod-str interstitial bi; str lcl shearing; weak lcl patchy banded bleaching; barren
SZ-18-261	285.35	290.59	5.24	1B	Pillowed Flows	Dark green w/ 30% light green and beige bleached wispy banding; FG; str fol; str chl alt'd selvages; str act/ser/crb/epi banding; weak-mod banded bi; trace banded qtz; barren
SZ-18-261	290.59	291.61	1.02	4B	Feldspar Porphyry	Medium-dark green; MG-CG; str fol; mod-str interstitial bi; str lcl shearing; weak lcl patchy banded bleaching; barren
SZ-18-261	291.61	327.54	35.93	1A	Massive Flows	Dark grey/greenish blue; FG-MG; weak fol; possibly diabase but no mag and no epi; trace banded albite and qtz; barren
SZ-18-261	327.54	329.75	2.21	1U	Ultramafic Flows	Medium bluish grey to green; FG; str fol; non-mag; str chl and talc; very soft; mod crb stringers throughout; barren
SZ-18-261	329.75	331.00	1.25	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	331.00	337.65	6.65	1U	Ultramafic Flows	Medium green; FG; str fol; non-mag; str chl and mod talc; very soft; speckled bi throughout; barren
SZ-18-261	337.65	338.97	1.32	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	338.97	350.58	11.61	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 10cm dyklets 4E/5B; 10% wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren
SZ-18-261	350.58	351.77	1.19	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	351.77	363.75	11.98	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 10cm dyklets 4E/5B; 10% wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren
SZ-18-261	363.75	365.25	1.50	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	365.25	369.60	4.35	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 10cm dyklets 4E/5B; 10% wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren

SZ-18-261	369.60	370.87	1.27	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	370.87	375.00	4.13	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 10cm dyklets 4E/5B; 10% wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren
SZ-18-261	375.00	377.13	2.13	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	377.13	390.00	12.87	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 20% wispy/patchy bleaching (diopside/epi/ser/act/crb/chl and possible apatite); weak-mod chl alt'd selvages; barren
SZ-18-261	390.00	393.00	3.00	5B	Granodiorite	White w/ <5% mafic speckling and wisps; trace needly amph/bi; 2-3% qtz veins; mod fsp eyes; 1% blebby PO/PY
SZ-18-261	393.00	395.86	2.86	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 20% wispy/patchy bleaching (diopside/epi/ser/act/crb/chl and possible apatite); weak-mod chl alt'd selvages; barren
SZ-18-261	395.86	397.53	1.67	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren
SZ-18-261	397.53	441.80	44.27	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; minor 4B units; 20% wispy/patchy bleaching (diopside/epi/ser/act/crb/chl and possible apatite); weak-mod chl alt'd selvages; barren
SZ-18-261	441.80	445.00	3.20	4B	Feldspar Porphyry	Medium-dark purple; FG gmass w/ FG-MG weakly corroded and elongated fsp phenos 20%; mod-str sil; weak-mod interstitial bi and speckled msc; mod wispy banded albite/qtz; barren
SZ-18-261	445.00	468.50	23.50	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod patchy bi; weak wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren
SZ-18-261	468.50	469.75	1.25	4B	Feldspar Porphyry	Medium-dark purple; FG gmass w/ FG-MG weakly corroded and elongated fsp phenos 20%; mod-str sil; weak-mod interstitial bi and speckled msc; mod wispy banded albite/qtz; barren
SZ-18-261	469.75	493.93	24.18	1A	Massive Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod bande crb and ser veinlets and wisps; lcl speckling of sulphides
SZ-18-261	493.93	498.46	4.53	6B	Gabbro	Dark green/grey; MG-CG; gradational contacts due to shearing; mod interstitial bi; weak; fol; weak chl; barren
SZ-18-261	498.46	500.06	1.60	1A	Massive Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod bande crb and ser veinlets and wisps; lcl speckling of sulphides
SZ-18-261	500.06	510.00	9.94	6B	Gabbro	Dark green/grey; MG-CG; gradational contacts due to shearing; mod interstitial bi; weak; fol; weak chl; barren
SZ-18-261	510.00	550.77	40.77	1Z	Gabbroic with gradational contacts	Dark green/grey; FG-CG; gradational contacts; mod interstitial bi; mod-str fol and mod lcl shearing; weak chl; barren
SZ-18-261	550.77	552.75	1.98	6E	Intermediate Dyke	Dark purplish greenish grey; FG; mod fol; mod interstitial bi; mod sil; str faulting at upper contact w/ mod fault gouge (30cm); barren
SZ-18-261	552.75	553.80	1.05	3D	Iron Formation	Mod banded cherty layers; purple/brown/green/grey; FG; str bedding weak folding; 2-5% stringer PY/PO
SZ-18-261	553.80	555.00	1.20	6E	Intermediate Dyke	Dark purplish greenish grey; FG; mod fol; mod interstitial bi; mod sil; barren
SZ-18-261	555.00	558.15	3.15	1B	Pillowed Flows	Medium green/grey; FG; mod fol w/ str sheared zones; mod-str patchy bi; weak wispy/patchy bleaching (ser/act/crb/chl); weak-mod chl alt'd selvages; barren
SZ-18-261	558.15	589.45	31.30	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren
SZ-18-261	589.45	603.35	13.90	6B	Gabbro	Dark-medium grey/green; MG; mod fol; mod lcl wispy bleaching; weak-mod chl; barren
SZ-18-261	603.35	612.15	8.80	1Z	Gabbroic with gradational contacts	Dark-medium grey/green; FG-MG; mod fol; mod lcl wispy bleaching; weak-mod chl; barren
SZ-18-261	612.15	624.60	12.45	6B	Gabbro	Medium grey/green; CG; mod fol; mod lcl wispy bleaching; weak-mod chl; barren
SZ-18-261	624.60	627.30	2.70	4E	Pegmatite	White and yellow w/ 5% wispy and speckled black/grey; FG-MG; str msc; very str yellowish ser or yellowish cloudy qtz?; lcl 1cm strongly corroded garnets; irregular contacts; wispy chl/tlc; barren
SZ-18-261	627.30	638.94	11.64	6B	Gabbro	Medium grey/green; CG; mod fol; mod lcl wispy bleaching; weak-mod chl; barren
SZ-18-261	638.94	643.15	4.21	1A	Massive Flows	Dark grey/green; FG-MG; str fol and shear; trace stringer/banded/wispy albite and bleaching; str banded bi; mod chl; barren
SZ-18-261	643.15	651.30	8.15	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren
SZ-18-261	651.30	656.15	4.85	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren
SZ-18-261	656.15	658.28	2.13	FZ	Fault Zone	In 1A and 5B; irregular undulating faulting longitudinal to core axis; str crb coating; weak chl some talc; weak fault gouge
SZ-18-261	658.28	678.00	19.72	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled PO
SZ-18-261	678.00	679.17	1.17	5B	Granodiorite	White grey; FG-MG; weakly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trace speckled garnets; barren

SZ-18-261	679.17	680.85	1.68	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled PO
SZ-18-261	680.85	683.17	2.32	5B	Granodiorite	White grey; FG-MG; weakly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trace speckled garnets; barren
SZ-18-261	683.17	714.00	30.83	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled PO
SZ-18-261	714.00	716.90	2.90	4B	Feldspar Porphyry	Medium purple/grey; FG w/ MG-CG fsp phenos mod corroded and elongated; mod interstitial bi; mod fol; mod sil; barren
SZ-18-261	716.90	730.60	13.70	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled PO
SZ-18-261	730.60	749.68	19.08	1A	Massive Flows	Med greenish grey; FG-MG; with varying degrees of grain (1Z?); mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk albite-ser banding/wispy w/wk-mod garnet clusters/speckles; mn qtz stringers <1cm; trce PoPy(<1%)
SZ-18-261	749.68	751.17	1.49	5B	Granodiorite	Whitish grey; FG-MG; wkly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trce-wk speckled garnets; mn qtz stringer up to 2cm; trce PoPy (<1%)
SZ-18-261	751.17	785.07	33.90	1A	Massive Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod-str crb banding/micro-fractures; mod chl; wk-mod ep banding; wk albite banding w/trce potassic fspar (microcline?); wk banded/wispy ser-act-crb bleaching; mn qtz stringers up to 4cm; trce PoPy (<1%)
SZ-18-261	785.07	786.80	1.73	4E	Pegmatite	Very light pinkish to whitish grey; FG-CG; aplitic fsp w/mod potassic alt'n; str pressure fracture alt'n and silicification; str muscovite booklets; barren
SZ-18-261	786.80	795.50	8.70	1A	Massive Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod bi banding; mod-str crb banding/micro-fracture; mod chl; mod ep banding; mod banded/wispy ser-act-crb bleaching w/wk-mod garnet clusters/speckled; mn qtz stringers up to 2cm; trce PoPy (<1%)
SZ-18-261	795.50	799.85	4.35	5B	Granodiorite	Whitish grey w/20% black specks; FG-CG; wk fol'n; wk garnet speckles; trce crb stringer; mn qtz stringer up to 2cm; barren
SZ-18-261	799.85	803.50	3.65	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod-str bi banding; mod-str crb banding/micro fracture; mod chl; mn qtz stringers up to 2cm; mn 5B intrusions; trce PoPy (<1%)
SZ-18-261	803.50	821.25	17.75	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grain size w/surges of 1A; mod fol'n; mod chl; wk-mod crb banded/stringer; mn qtz stringer up to 3cm; mn 5B intrusion; trce PoPy(<1%)
SZ-18-261	821.25	832.00	10.75	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod bi banding; mod-str crb banding/micro-fracture; mod chl; mod ep banding; mn qtz stringers up to 2cm; From 828.32 to 828.56m is QV w/shallow sharp contacts UC at 20°ca LC at 15°ca; trce PoPy (<1%)
SZ-18-261	832.00	834.15	2.15	4B	Feldspar Porphyry	Light to med purple; FG groundmass w/ 35% MG-CG mod corroded/mod elongated fsp phenos parallel to fol'n; mod fol'n; mod sil; mod interstitial/lathes bi; wk chl; wk albite banding; barren
SZ-18-261	834.15	835.70	1.55	4E	Pegmatite	Light to med pinkish/beigish/smokey grey; CG; str fspar w/cm scale smokey qtz crystals; str speckled/clustered garnets; str muscovite books; mod-str potassic alt'n; barren
SZ-18-261	835.70	844.51	8.81	1A	Massive Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod-str bi banding; mod-str crb banding/micro-fracture; mod chl; mod ep banding; mn qtz stringers up to 5cm; mod banded/wispy ser-act-diop bleaching; trce PoPy (<1%)
SZ-18-261	844.51	847.00	2.49	4B	Feldspar Porphyry	Med purplish grey; FG w/ 40% MG-CG str corroded/wkly elongated fsp phenos parallel to fol'n; wk-mod fol; mod-str interstitial bi; wk albite banding; trce chl; mn qtz stringer up to 2cm; trce PoPy (<1%)
SZ-18-261	847.00	853.59	6.59	1A	Massive Flows	Light to med greenish grey; FG; increasing grain size towards LC; mod fol'n; different generations/alt'n of 1A; mod-str interstitial/wispy chl; trce PoPy(<1%)
SZ-18-261	853.59	858.00	4.41	6B	Gabbro	Med greenish grey; FG-MG; mod fol'n; mod shearing; wk crb stringers; wk ep banding; barren
SZ-18-261	858.00	861.43	3.43	4B	Feldspar Porphyry	Med purplish grey; FG w/25% MG-CG mod corroded/wkly elongated fsp phenos parallel to fol'n; wk fol'n; mod interstitial bi; wk-mod sil; wk crb stringer; barren
SZ-18-261	861.43	863.64	2.21	4E	Pegmatite	Light to med pinkish/beigish/smokey grey; CG; str fspar w/cm scale smokey qtz crystals; trce-wk speckled garnets; str muscovite books; mod-str potassic alt'n; barren
SZ-18-261	863.64	866.77	3.13	6B	Gabbro	Med greenish grey; MG-CG; wk-mod fol'n; mod shearing; wk crb stringers; mn 5B intrusion up to 4cm; barren
SZ-18-261	866.77	871.38	4.61	1A	Massive Flows	Med greenish grey; FG-MG; varying degrees of grains size in some sections (1Z?); mod fol'n; wk-mod crb stringers; wk ep banding; mn qtz stringers <1cm; trce PoPy(<1%); lct 30°ca diffuse; grading into a stg closed frac zone w infill;
SZ-18-261	871.38	878.00	6.62	1A	Massive Flows	Massive flow matrix; foln 10°ca; ***874.65-875.06 Simple pegmatite unaltered red colouration w uct 60 °ca + lct 35°ca; FRACTURE Zone preceding the fault w stg closed filled frac1-2 mil w ca chl infill 0-90°ca

SZ-18-261	878.00	882.10	4.10	FZ	Fault Zone	Flat lying fault ~10°ca w stg gouge visible chl ca infill open and closed; Rock brkn up w visible alteration brxn; Sand seam @ 881.33-.75 fg material fragments in matrix producing water (reported by drillers); 881.75-882.10 unit brkn up; lct 10°ca diffuse in 1A matrix w stg frags
SZ-18-261	882.10	885.30	3.20	1U	Ultramafic Flows	pale green; chl alt talc alt; magn starts 875.10 Massive flow matrix; foln 10°ca; weaker FRACTURE Zone preceding the fault w stg closed filled frags1-2 mil w ca chl infill 0-90°ca
SZ-18-261	885.30	895.80	10.50	1UT	Ultramafic Talc/Chlorite Altered	Pale/brown/drab green; FG; mod stg talc alt; Magnetic unit w 30°ca; talc chl bio alt
SZ-18-261	895.80	913.20	17.40	6B	Gabbro	Med greenish grey; FG-MG; mod fol'n; mod shearing; wk crb stringers; alt cts chl bio fg mg stg foln 20°ca; 900.80 mg-cg unit 30°ca foln wk; 5B 50°ca 902.80-902.92; 5B 907.56-907.84 60°ca; 4E 909-909.18 60°ca; lct 60°ca
SZ-18-261	913.20	914.70	1.50	1U	Ultramafic Flows	pale green; chl alt talc alt; lct 35°ca mfg-mg grn minor ca frac fill magnetic
SZ-18-261	914.70	917.50	2.80	1UT	Ultramafic Talc/Chlorite Altered	Pale/brown/drab green; FG; mod stg talc alt; mod stg foln 10°ca magnetic; lct 20°ca
SZ-18-261	917.50	918.60	1.10	1U	Ultramafic Flows	pale green; chl alt talc alt foln 20°ca; magnetic; lct 10°ca
SZ-18-261	918.60	920.68	2.08	4B	Feldspar Porphyry	Med purplish grey; FG w/25% MG-CG mod corroded/wkly elongated fsp phenos parallel to fol'n; wk foln 20°ca; mod interstitial bi; wk-mod sil; wk crb stringer; barren; uct 10°ca +lct 20°ca; foln 20°ca
SZ-18-261	920.68	922.24	1.56	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; fg-mg w stg chl bio alt foln wk mod 25°ca; 921.30-921.43 frac zone w irregular infill ca 1-5 mil; 5B 921.43-921.54 30°ca; stg chl bio alt 25°ca foln cts same 921.54-921.84; lct 25°ca
SZ-18-261	922.24	925.24	3.00	3D	Iron Formation	Strong banded cherty layers; purple/beige/brown/blue/green; VFG to amorphous; mod pervasive disseminated msc; stg silic w gt bio schist 10% silic5-8% po py semi massive and diss in matrix 925.35-925.42 50°ca qtz ca vnl 15% po in matrix
SZ-18-261	925.24	935.00	9.76	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren; 10°ca foln; 5B 929.94-930.43 uct 20°ca+lct 30°ca; 933.30-933.40 semi massive po 40% frac fill;
SZ-18-261	935.00	936.00	1.00	3D	Iron Formation	Strong banded cherty layers; purple/beige/brown/blue/green; VFG to amorphous; mod pervasive disseminated msc; cts 10°ca 5-8% po silic 10%chl bio alt banded foln mod stg 10°ca
SZ-18-261	936.00	939.68	3.68	1A	Massive Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod-str bi banding; mod-str crb banding/micro-fracture; mod chl; mod ep banding; mn qtz stringers up to 5cm; mod banded/wispy ser-act-diop bleaching; trce PoPy (<1%); mod stg foln 10°ca magnetic; lct 10°ca
SZ-18-261	939.68	940.16	0.48	3D	Iron Formation	Strong banded cherty layers; purple/beige/brown/blue/green; VFG to amorphous; mod pervasive disseminated msc; cts 10°ca 5-8% po silic 10%chl bio alt banded foln mod stg 10°ca
SZ-18-261	940.16	942.00	1.84	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; 10°ca foln; lct 10°ca.
SZ-18-261	942.00	943.38	1.38	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren; fg-mg phenos; qtz vnl 942.60-942.70 50°ca; lct 10°ca
SZ-18-261	943.38	946.24	2.86	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren; 10°ca foln; lct 10°ca
SZ-18-261	946.24	948.62	2.38	5B	Granodiorite	White grey; FG-MG; weakly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trace speckled garnets; barren; massive uct 10°ca+lct 25°ca; xcutting fabric
SZ-18-261	948.62	957.82	9.20	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py foln mod 15°ca; lct 15°ca
SZ-18-261	957.82	961.64	3.82	5B	Granodiorite	White grey; FG-MG; weakly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trace speckled garnets; barren; massive unit wh blue w fg blk oxides; 1A 0-5°ca 959.60-960.33 in 5B; uct 15°ca+ lct 50°ca
SZ-18-261	961.64	965.26	3.62	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren w chl bio ep ser alt w qtz ca w tr po py foln wk-mod 15°ca; stg bio alt at lct w 5B; lct 15°ca
SZ-18-261	965.26	971.92	6.66	4B	Feldspar Porphyry	Medium-light purple/grey; FG w/ MG str corroded and elongated fsp phenos; mod-str interstitial bi; mod albite banding; mod bi and chl haloing; weak sil; barren; fg-mg phenos 15°ca foln; 5B xcutting fabric 967.33-967.52 25°ca; 5B 969.02-969.32 25°ca; 5B 970.37-971.92 25°ca; uct 15°ca+lct 10°ca
SZ-18-261	971.92	1032.43	60.51	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi; weak chl; barren w chl bio ep ser alt w qtz ca w tr po py; foln mod 15°ca; 5B xcutting fabric 981.95-982.28 15°ca; 4B 995.20-995.76 15°ca w 5B xcutting 4B 995.45-995.55 80°ca; 5B 997.85-998.52 15°ca; 995.20-998.62 minor 5B 10-50mil wide 80-15-40°ca; 4E 1009.36-1009.78 15°ca qtz ca vnl 20-30mil wide 20°ca; 4E 1024.44-1024.65 40°ca
SZ-18-261	1032.43	1051.06	18.63	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled PO; bio chl ep ser alt w str 1-5mil qtz ca; 15°ca foln wk-mod; 1041.1-1041.43; lct 15°ca

SZ-18-261	1051.06	1054.81	3.75	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py; fg mg phenos 15°ca foln; 1B 1054.45-1054.81 15°ca
SZ-18-261	1054.81	1056.88	2.07	4ALT	Altered Feldspar Porphyry	Dark purple/grey; fg-mg; mod-str fol'n; str perv alb+qtz; wk-mod str carb+ser; mod speck bi; py po 1-3%; 20°ca foln; 20°ca lct
SZ-18-261	1056.88	1105.80	48.92	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace 15°ca mod foln chl ep ser colouration; alt w qtz ca frac fill tr po py diss 10°ca @ 1058-1058.33+1057.30-1057.63+ 1077.22-1077.60+1089.70-1089.20; <1% qtz ca infill 1-10mil; bio alt; 4E 1086.28-1086.82 40°ca xcut fabric; 5B xcut 20°ca 1091.94-1092.22; 5B 1093.61-1093.83 40°ca; 4E 40°ca 1094.01-1094.11; @ 1101.10 more ep alt; lct 20°ca
SZ-18-261	1105.80	1106.95	1.15	6E	Intermediate Dyke	dk fg brn colouration; uct 20°ca lct 50°ca
SZ-18-261	1106.95	1110.18	3.23	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; 15°ca mod foln chl ep ser colouration; alt w qtz ca frac fill 15°ca <1% qtz ca infill 1-10mil; bio alt; 5B 1107.32-1107.45 35°ca xcut fabric; 5B xcut 50°ca 1107.64-1108.06; 5B 1110.18-1110.81 20°ca; lct 40°ca
SZ-18-261	1110.18	1112.63	2.45	4ALT	Altered Feldspar Porphyry	Dark purple/grey; fg-mg; mod-str fol'n; str perv alb+qtz; wk-mod str carb+ser; mod speck bio w wk stg shr 15°ca w minor 5b along the parallel to cts <5%; py po <1-3% lct 15°ca
SZ-18-261	1112.63	1120.68	8.05	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po w str 1-5mil qtz ca; 15°ca foln wk-mod; 5B 1112.63-1113.20 uct 15°ca+lct 25°ca; 5B 1114-1114.52 25°ca; lct 15°ca
SZ-18-261	1120.68	1121.84	1.16	5B	Granodiorite	White grey; FG-MG; weakly banded; mod speckled amph/bi; mod banded stringer qtz and wispy chl; trace speckled garnets; barren; massive unit wh blue w fg blk oxides; uct 15°ca+ lct 10°ca
SZ-18-261	1121.84	1123.00	1.16	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po 15°ca.foln; lct 15°ca
SZ-18-261	1123.00	1124.16	1.16	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py; 15°ca foln; lct 15°ca
SZ-18-261	1124.16	1125.56	1.40	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; 15°ca foln; lct 15°ca
SZ-18-261	1125.56	1126.64	1.08	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py; qtz vn 1126.40-1126.64 40°ca; 15°ca foln; lct 50°ca
SZ-18-261	1126.64	1130.25	3.61	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po ; 15°ca foln; lct 20°ca alt halo along the lct
SZ-18-261	1130.25	1136.38	6.13	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py; 20°ca foln; mg un stg ep alt w open fracs on shallow dips jts 15-20-30°ca; @1136.58 1138.46 unit fg mg w bio alt minor ca infill; lct 20°ca
SZ-18-261	1136.38	1146.98	10.60	1D	Variolitic Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi;
SZ-18-261	1146.98	1157.85	10.87	1A	Massive Flows	Dark grey/green; FG-MG; mod fol; trace stringer/banded/wispy albite and
SZ-18-261	1157.85	1164.04	6.19	6B	Gabbro	Med greenish grey; MG-CG; wk-mod fol'n; mod shearing; wk crb stringers(1161-1164 mislatch core barrel); 30°ca foln; 5B xcut fabric 30°ca lct 25°ca; minor qtz ca str 5-20mil 25°ca; 5B 1168.80-1169.25 10°ca
SZ-18-261	1164.04	1172.48	8.44	1A	Massive Flows	Dark grey/green; FG-MG; mod fol 25°ca; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py; lct 30°ca
SZ-18-261	1172.48	1179.48	7.00	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po ; 20°ca foln; lct 50°ca
SZ-18-261	1179.48	1185.00	5.52	4E	Pegmatite	Pegmatite more of a mixed zone w na-spar albite k-spar microcline li oxides phosphate qtz smokey blk oxides ta sn or fe mn fg diss muscovite mica; unit is mottled and brxn not zoned; uct 50°ca+lct 80°ca
SZ-18-261	1185.00	1186.26	1.26	1A	Massive Flows	Dark grey/green; FG-MG; trace stringer/banded/wispy albite and bleaching; weak-mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py 20°ca foln; lct 30°ca
SZ-18-261	1186.26	1193.97	7.71	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po ; 20°ca foln; lct 20°ca alt halo along the lct
SZ-18-261	1193.97	1194.92	0.95	4ALT	Altered Feldspar Porphyry	Dark purple/grey; FG; mod fol; str sil; laminated fg 20°ca foln silicified; mod banded qtz/albite; weak-mod banded ser; trace speckled garnets lcl; speckled epi; silicified; 1-3%py po diss fg; lct 20°ca
SZ-18-261	1194.92	1200.48	5.56	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; 20°ca foln; core brkn up 1195.40-1197; lct 20°ca alt halo along the lct



SZ-18-261	1200.48	1203.54	3.06	1A	Massive Flows	Dark grey/green; FG-MG; trace stringer/banded/wispy albite and bleaching; weak mod interstitial bi w chl bio ep ser alt w qtz ca w tr po py 20°ca foln; lct 20°ca
SZ-18-261	1203.54	1211.40	7.86	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; 20°ca foln; lct 20°ca
SZ-18-261	1211.40	1212.90	1.50	6E	Intermediate Dyke	Medium purple grey; FG-MG; mod albite speckling; mod speckled amph; mod sil; mod fol; barren
SZ-18-261	1212.90	1221.28	43.65	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; w/ 3% irregular dyklet 5B
SZ-18-261	1221.17	1229.50	8.33	LC	Lost Core	
SZ-18-261	1229.50	1256.55	27.05	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; w/ 3% irregular dyklet 5B
SZ-18-261	1256.55	1258.92	2.37	5B	Granodiorite	White Grey; FG-MG; mod speckled amph needles and interstitial bi; weak sil; mod fol; barren
SZ-18-261	1258.92	1298.90	39.98	1B	Pillowed Flows	Medium green/grey; FG; str fol w/ mod-str sheared zones; mod-str banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace speckled py po; w/ 3% irregular dyklet 5B
SZ-18-261	1298.90	1300.75	1.85	5B	Granodiorite	Irregular wispy dyklet 5B w/ very irregular contacts and weak horsetailing; 40% 5B in 60% 1B unit; 4% qtz veins; mod speckled amph; barren
SZ-18-261	1300.75	1314.62	13.87	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren
SZ-18-261	1314.62	1344.05	29.43	7A	Diabase	Medium-dark grey; FG-MG; no fol; 2% 1-2cm epi speckling; mod-str mag; barren
SZ-18-261	1344.05	1346.30	2.25	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren
SZ-18-261	1346.30	1347.70	1.40	4E	Pegmatite	White pink grey; FG-CG; fsp/qtz/str chl and amph; str/needle chl and trm; mod sil; mod potassic alt'n; stringer speckled red oxides and garnets; barren
SZ-18-261	1347.70	1358.63	10.93	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren
SZ-18-261	1358.63	1360.05	1.42	5B	Granodiorite	Light grey/off white; FG-MG; massive; weak biotite and garnet alteration weak pottasic alteration along upper contact over 10 cm; no veining; very rare pyrite; minor 15cm wide mafic band
SZ-18-261	1360.05	1378.31	18.26	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren; minor 1A 1366.4-1367.29
SZ-18-261	1378.31	1380.77	2.46	4B	Feldspar Porphyry	medium grey/purple; FG-CG; strong fol; porphyritic; strong biotite and moderate alb silica and chl alteration; 1 2cm thick discontinuous qtz carb vein; vfg diss po py 1-2%
SZ-18-261	1380.77	1393.21	12.44	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren; minor 5B 1389.81-1390.05M
SZ-18-261	1393.21	1399.52	6.31	1A	Massive Flows	Dark grey-black; FG; mod fol 35 TCA; str pervasive bi; wk carb stringers parallel to foliation; barren
SZ-18-261	1399.52	1403.34	3.82	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren; 10 cm 5B dikelette
SZ-18-261	1403.34	1404.71	1.37	4E	Pegmatite	White pink grey; FG-CG; fsp/qtz/str musc and wk bio; wk potassic alt'n barren
SZ-18-261	1404.71	1432.20	27.49	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren; Minor 5B from 1411.76 1412.26 Minor 4B 1418.26-1418.8
SZ-18-261	1432.20	1436.75	4.55	1A	Massive Flows	Dark green/grey; fg-mg: mod-str fol 30TCA defined by strong biotite alteration; may be more intermediate with increased feldspar lesser mafics; wk qtz carb fracturing; no sulphides
SZ-18-261	1436.75	1437.91	1.16	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; barren
SZ-18-261	1437.91	1439.83	1.92	1A	Massive Flows	Dark green/grey; fg-mg: mod-str fol 30TCA defined by strong biotite alteration; almost porphyritic in places becoming coarser grained; may be more intermediate with increased feldspar lesser mafics; wk qtz carb fracturing; no sulphides
SZ-18-261	1439.83	1440.88	1.05	4E	Pegmatite	White pink grey; FG-CG; fsp/qtz/str musc and wk bio chl; mod potassic alt'n patchy; barren
SZ-18-261	1440.88	1443.58	2.70	1A	Massive Flows	Dark green/grey; fg-mg:wk-mod fol 25TCA defined by strong biotite alteration; may be more intermediate with increased feldspar lesser mafics; wk qtz carb fracturing; no sulphides
SZ-18-261	1443.58	1444.97	1.39	4E	Pegmatite	White pink grey; FG-CG; fsp/qtz/str musc and wk bio chl gnt; mod potassic alt'n patchy; barren
SZ-18-261	1444.97	1451.59	6.62	1A	Massive Flows	Dark green/grey; fg-mg: mod fol 20TCA defined by strong biotite alteration; may be more intermediate with increased feldspar lesser mafics; wk qtz carb fracturing; no sulphides
SZ-18-261	1451.59	1452.03	0.44	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvages; trace grt in car patches; barren

SZ-18-261	1452.03	1462.19	10.16	1A	Massive Flows	Dark green/grey; fg-mg: mod-str fol 30TCA defined by strong biotite alteration; wk qtz carb fracturing and qtz carb veinlets; no sulphides
SZ-18-261	1462.19	1463.79	1.60	5B	Granodiorite	Light grey/off white;FG-MG; weak-mod fol; massive; barren
SZ-18-261	1463.79	1492.85	29.06	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvedges; has 25cm 4E with weak k-spar; trace grt in car patches; trace bands PO. Last meter before next unit has stronger alteration especially bleaching; banding is stronger; transitional period to the next unit
SZ-18-261	1492.85	1498.59	5.74	4ALT	Altered Feldspar Porphyry	Medium light green/purple/white; FG; weak fol; str (40%) stringer/patchy ser/chl; 10% qtz vein; mod sil; 3% alb bands; barren
SZ-18-261	1498.59	1528.03	29.44	1A	Massive Flows	Dark green/grey; fg; mod fol; mod bi/chl alteration; 5% disseminated PO making much of the unit magnetic; trace grt; weak car banding; contains 1 minor 4E; barren qtz vein 1515.01-1515.51
SZ-18-261	1528.03	1529.45	1.42	4E	Pegmatite	White pink grey; FG-CG; no fol; fsp/qtz/str musc and wk bio chl; mod potassic alt'n patchy; trace disseminated sye; barren
SZ-18-261	1529.45	1532.81	3.36	1B	Pillowed Flows	Medium green/grey; FG; mod fol; weak-mod banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvedges; barren
SZ-18-261	1532.81	1534.48	1.67	4B	Feldspar Porphyry	medium grey/purple; FG-MG; mod fol; porphyritic; mod bi/alb banding; mod sil; 10% phenos; barren
SZ-18-261	1534.48	1602.00	67.52	1B	Pillowed Flows	Medium green/grey; FG; mod fol; weak banded bi; mod-str wispy/patchy bleaching (ser/act/crb/chl); mod chl alt'd selvedges; barren

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	921.24	922.24	1	166264	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	922.24	923.24	1	166265	0.01	10		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	923.24	924.24	1	166266	0.017	17		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	924.24	925.24	1	166267	0.023	23		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	925.24	926.24	1	166268	0.005	5		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	934	935	1	166269	0.005	5		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	935	936	1	166271	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	936	937	1	166272	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	938.68	939.68	1	166273	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	939.68	940.16	0.48	166274	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	940.16	941.16	1	166275	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1053.81	1054.81	1	166276	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1054.81	1055.85	1.04	166277	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1055.85	1056.88	1.03	166278	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1056.88	1057.88	1	166279	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1109.18	1110.18	1	166281	0.005	5		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1110.18	1110.81	0.63	166282	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1110.81	1111.81	1	166283	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1111.81	1112.63	0.82	166284	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1112.63	1113.2	0.57	166285	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1113.2	1114	0.8	166286	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1192.37	1193.37	1	166287	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1193.37	1194	0.63	166288	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1194	1194.92	0.92	166289	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-17628			Assay	1194.92	1195.92	1	166291	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1378.33	1379.13	0.8	166292	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1379.13	1379.77	0.64	166293	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1418.26	1418.8	0.54	166294	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1492.86	1493.8	0.94	166295	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1493.8	1494.8	1	166296	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1494.8	1495.8	1	166297	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1495.8	1496.7	0.9	166298	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1496.7	1497.66	0.96	166299	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1497.66	1498.64	0.98	166301	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1498.64	1499.6	0.96	166302	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1514.01	1515.01	1	594773	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1515.01	1515.51	0.5	166303	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1515.51	1516.51	1	594774	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1536.28	1537.23	0.95	594775	0.006	6		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1537.23	1538.14	0.91	166304	0.003	<5.000		
SZ-18-261	Sugar Zone	Actlabs	A18-19122			Assay	1538.14	1539.14	1	594776	0.003	<5.000		



Hole Number:

SZ-18-263

Drill Rig:

Drill 19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					3-Nov-2018	4-Dec-2018	
Planned Coordinates		Azimuth:	40	Drill Contractor:	Foraco Canada Ltd		
Easting	645707.1						
Northing	5406619.9 <th rowspan="2">Dip:</th> <th rowspan="2">-81</th> <th rowspan="2">Dates Logged:</th> <th>Start Date:</th> <th>End Date:</th>	Dip:	-81	Dates Logged:	Start Date:	End Date:	
Elevation(m)	415.3 <th>4-Nov-2018</th> <th>5-Dec-2018</th>				4-Nov-2018	5-Dec-2018	
Final Pick up		Depth(m):	1328.00	Logger 1:	Sarah Davis		
Easting							
Northing		Core Size:	NQ	Logger 2:			
Elevation(m)							
Casing				Logger 3:			
				Assay Lab:	Actlabs		
Purpose of Hole		Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	40.0	-81.0		Planned	47.6
		30.0	40.6	-81.3	5651	6m stabiliz	48.2
		63.0	39.9	-81.1	5638	6m stabiliz	47.5
		96.0	42.5	-81.1	5650	6m stabiliz	50.1
		123.0	37.9	-81.1	5669	6m stabiliz	45.5
		153.0	46.1	-81.2	5641	6m stabiliz	53.7
		186.0	43.1	-81.2	5593	Taken fron	50.7
		216.0	44.2	-81.0	2576	Taken fron	51.8
		234.0	45.4	-81.6	5587	6m stabiliz	53
		267.0	44.4	-81.3	5585	6m standa	52
		300.0	46.9	-81.1	5602	6m standa	54.5
		330.0	47.5	-81.6	5605	6m standa	55.1
		360.0	47.2	-80.9	5594	6m standa	54.8
		393.0	49.7	-81.1	5609	6m standa	57.3
		423.0	48.6	-81.0	5619	6m standa	56.2
		453.0	47.3	-79.6	5602	6m standa	54.9
		483.0	49.7	-78.9	5592	6m standa	57.3
		513.0	49.4	-78.8	5600	6m standa	57
		546.0	48.8	-78.5	5585	6m standa	56.4
		576.0	51.2	-78.3	5603	6m standa	58.8
		609.0	52.4	-78.6	5600	6m standa	60
		639.0	54.6	-79.0	5614	6m standa	62.2
		669.0	55.5	-79.4	5600	6m standa	63.1
		699.0	55.5	-78.8	5600	6m standa	63.1
		729.0	58.4	-79.2	5593	6m standa	66
		759.0	59.8	-79.0	5601	6m standa	67.4
		789.0	60.6	-79.0	5600	6m standa	68.2
		819.0	61.5	-79.4	5614	6m standa	69.1
		849.0	60.1	-78.8	5594	6m standa	67.7
		879.0	64.1	-79.0	5603	6m standa	71.7
		909.0	63.1	-78.4	5608	6m standa	70.7
		939.0	61.9	-77.6	5613	6m standa	69.5
		969.0	64.4	-77.3	5597	6m standa	72
		999.0	62.9	-76.9	5597	6m standa	70.5
		1029.0	66.4	-77.1	5625	6m standa	74
		1059.0	68.4	-77.0	5596	20ft standa	76
		1098.0	70.2	-76.9	5603	20ft standa	77.8
		1128.0	72.4	-77.3	5607	6m standa	80
		1158.0	73.3	-77.0	5605	6m standa	80.9
		1193.0	71.3	-75.0	5629	3m standa	78.9
		1208.0	75.3	-74.7	5620	3m standa	82.9
		1223.0	75.3	-74.8	5611	3m standa	82.9
		1238.0	77.5	-74.6	5631	3m standa	85.1
		1253.0	75.9	-74.1	5677	3m standa	83.5
		1271.0	80.1	-73.7	5619	3m standa	87.7
		1301.0	78.6	-71.8	5672	3m standa	86.2

Azimuth corrected to 7.6 degrees west declination

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
SZ-18-263	0.00	10.70	10.70	CAS	Casing	
SZ-18-263	10.70	23.56	12.86	6A	Diorite	Grey/white/pink/green; MG-CG; weak to no fol; 2% syenite banding; chl/fuchsite fracture fill; irregular sharp contacts; barren
SZ-18-263	23.56	29.22	5.66	1B	Pillowed Flows	Medium-dark grey; FG; str fol; mod banded bi; 2-5% 6A and 5B minors/dycklets; fractures w/ ankerite fill; barren
SZ-18-263	29.22	31.28	2.06	5B	Granodiorite	Medium pinkish orange; FG-MG; str potassic to syenitic flooding; contacts are wispy banding that looks like 3D or migmatitic?; trace speckled amph and bi; trace fracture-fill chl and talc
SZ-18-263	31.28	48.42	17.14	6A	Diorite	Grey/white/pink/green; MG-CG; weak to no fol; upp section is darker w/ weak potassic alt'n; syenite minor at 37.88m w/ strong syenitic flooding and potassic alt'n in deeper 6A; 8% syenite banding; chl/fuchsite fracture fill; str fracturing w/ some moderate intermittent fault gouge between 38 to 48m
SZ-18-263	48.42	54.76	6.34	1A	Massive Flows	Medium dark grey; FG-MG; mod banded/interstitial bi; trace stringer qtz; w/ minor 4E
SZ-18-263	54.76	59.43	4.67	6A	Diorite	Grey/white/pink/green; MG-CG; weak to no fol; 8% syenite banding; chl/fuchsite fracture fill; str fracturing; 2% qtz veins; barren; minor pegmatite
SZ-18-263	59.43	63.58	4.15	1A	Massive Flows	Horsetailed mixing w/ 5B stringers and wisps; near migmatitic; theadry/ribboned w/ lcl str diopside-fuchsite-actinolite alteration patch; mod speckled msc; barren
SZ-18-263	63.58	66.70	3.12	6A	Diorite	Grey/white; MG-CG; weak to no fol; 2% syenite banding; 2% qtz veins; barren; minor 5B
SZ-18-263	66.70	70.85	4.15	1A	Massive Flows	Dark grey and brown; FG-MG; str fol; str interstitial bi; wispy folded foliation in areas; irregular contacts to dycklet 5B and 4E; lcl VERY str bi banding; barren
SZ-18-263	70.85	75.88	5.03	5B	Granodiorite	Granodiorite w/ 4B minors; FG-MG; weak fol; mod potassic alt'n; mod fsp eyes; mod speckled amph and bi; barren
SZ-18-263	75.88	77.72	1.84	1A	Massive Flows	Medium-dark green/grey; very str fol; FG; minor 6A at upper; banded tuffs within; str chl; barren
SZ-18-263	77.72	84.96	7.24	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; minor 4Es
SZ-18-263	84.96	91.93	6.97	1A	Massive Flows	Medium-dark green/grey; very str fol; FG; minor 6A at upper; banded tuffs within; str patchy banded bi/act/chl/crb alt'n; barren
SZ-18-263	91.93	96.55	4.62	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; trace sulphides
SZ-18-263	96.55	98.09	1.54	4B	Feldspar Porphyry	Dark purple/grey; FG gmass w/ CG mod corroded fsp phenos up to 30%; mod interstitial bi; weak fol; mod sil; minor 4E; barren
SZ-18-263	98.09	99.17	1.08	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; trace sulphides
SZ-18-263	99.17	106.60	7.43	6A	Diorite	Grey/white/ trace pink; MG-CG; weak to no fol; 2% syenite banding; 2% qtz veins and pegmatites; barren
SZ-18-263	106.60	108.43	1.83	4E	Pegmatite	White grey pink; FG-MG; weak fol; 5% mafic speckling; mod sil; mod fsp eyes; patchy and flooded; barren
SZ-18-263	108.43	117.93	9.50	6A	Diorite	Grey/white/ trace pink; MG-CG; weak to no fol; 2% syenite banding; 2% qtz veins and pegmatites; barren
SZ-18-263	117.93	120.75	2.82	7A	Diabase	Medium grey; FG; mod mag; barren
SZ-18-263	120.75	157.70	36.95	6A	Diorite	Grey/white/ trace pink; MG-CG; weak to no fol; 2% syenite banding; 2% qtz veins and pegmatites plus minor pegmatites and 5B; barren
SZ-18-263	157.70	158.92	1.22	5B	Granodiorite	Medium grey/white; FG-MG; mod fol; str sil to smokey look; mod speckled maficls barren
SZ-18-263	158.92	164.93	6.01	1H	Mafic Tuff	Medium grey/purple; FG; str fol; mod disseminated msc and bi; banded 6A dycklets; mod sil; barren
SZ-18-263	164.93	169.10	4.17	6A	Diorite	Grey/white/ trace pink; MG-CG; weak to no fol; trace patchy qtz; barren
SZ-18-263	169.10	173.75	4.65	1Z	Gabbroic with gradational contacts	Dark grey and green; FG-MG; minor patchy pegmatites str disseminated PY; wispy stringers crb/Qtz/Alb/bi/ser; patchy potassic speckling; str bi; speckled albite
SZ-18-263	173.75	176.13	2.38	FZ	Fault Zone	In 1Z w/ str fuchsite alt'n stringers; mod potassic alt'n stringers; str chl and talc stringers causing faulting; faults are open and soapy-gouge; disseminated PY
SZ-18-263	176.13	182.35	6.22	1Z	Gabbroic with gradational contacts	Dark grey and green; FG-MG; minor patchy pegmatites str disseminated PY; wispy stringers crb/Qtz/Alb/bi/ser; patchy potassic speckling; str bi; speckled albite
SZ-18-263	182.35	186.25	3.90	6A	Diorite	Grey/white/ pink; MG-CG; weak to no fol; trace patchy qtz; str lcl patchy potassic alt'n and flooding; banded pinkish pegmatitic dycklets; barren
SZ-18-263	186.25	190.68	4.43	4B	Feldspar Porphyry	Dark grey/purple; FG w MG weakly corroded fsp phenos w/ mod angular edges; pegmatitic dycklets and veins; 6A is intermixing up to 15%; discrete fault w/ str light green chl/talc fault coating at 189.5m
SZ-18-263	190.68	242.27	51.59	6A	Diorite	Grey/white/ pink/light green; MG-CG; weak to no fol; str lcl patchy potassic alt'n and flooding; 3% banded pinkish pegmatitic dycklets; zones of very str red (potassic/syenite) flooding w/ str green interstitial fuchsite and diopside and epidote; trace disseminated PY throughout but most concentrated around qtz and pegmatitic veins; minor 5B/4E up to 8%
SZ-18-263	242.27	243.70	1.43	4E	Pegmatite	Dark orangy red; FG-VCG; str stringer epi and fuchsite; 10% smokey qtz clusters; str k-spar; possibly mostly syenitic; trace speckled micas

SZ-18-263	243.70	282.50	38.80	6A	Diorite	Grey/white/ pink/light green; MG-CG; weak to no fol; str lcl patchy potassic alt'n and flooding; 3% banded pinkish pegmatitic dyklets; zones of very str red (potassic/syenite) flooding w/ str green interstitial fuchsite and diopside and epidote; trace disseminated PY throughout but most concentrated around qtz and pegmatitic veins
SZ-18-263	282.50	285.72	3.22	1B	Pillowed Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod banded/str qtz/crb; trace chl alt'd selvedges; barren
SZ-18-263	285.72	289.75	4.03	4B	Feldspar Porphyry	Medium purple grey and light beige/brown; FG w/ MG 20% str corroded fsp phenos; swtr flooded ser; mod pervasive sil; weak-mod interstitial bi; barren
SZ-18-263	289.75	295.85	6.10	1B	Pillowed Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod banded/str qtz/crb; trace chl alt'd selvedges; barren
SZ-18-263	295.85	302.13	6.28	4B	Feldspar Porphyry	Medium purple grey and light beige/brown; FG w/ FG-MG 5% str corroded fsp phenos; mod pervasive sil; weak-mod interstitial bi; barren
SZ-18-263	302.13	305.85	3.72	1B	Pillowed Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod banded/str qtz/crb; trace chl alt'd selvedges; barren
SZ-18-263	305.85	307.41	1.56	5B	Granodiorite	White grey; FG-CG; patchy albite and qtz; almost pegmatitic in areas; clustered qtz/bi CG crystals; str disseminated msc; trace blebby PY
SZ-18-263	307.41	309.25	1.84	5H	Shear	Medium to dark and light green grey/brown; FG; str fol;/shear and brittle fracture; str bi and msc; str act and potassic alt'n; barren
SZ-18-263	309.25	312.75	3.50	4B	Feldspar Porphyry	Medium purple grey and light beige/brown; FG w/ FG-MG 20% str corroded fsp phenos; mod pervasive sil; weak-mod interstitial bi; barren
SZ-18-263	312.75	315.20	2.45	1B	Pillowed Flows	Medium-dark grey; FG; mod fol; mod banded bi; mod banded/str qtz/crb; trace chl alt'd selvedges; barren
SZ-18-263	315.20	316.85	1.65	6E	Intermediate Dyke	Medium-light purple grey; FG; str fol; mod sil; mod disseminated msc; barren
SZ-18-263	316.85	319.00	2.15	4B	Feldspar Porphyry	Medium purple grey and light beige/brown; FG w/ FG-MG 20% str corroded fsp phenos; mod pervasive sil; weak-mod interstitial bi; barren
SZ-18-263	319.00	328.85	9.85	1Z	Gabbroic with gradational contacts	Medium-dark grey; FG-CG; mod fol; mod interstitial bi; mod banded/str qtz/crb; trace chl; barren
SZ-18-263	328.85	330.00	1.15	5B	Granodiorite	White and grey; MG; weak fol; mod sil; nmod speckled disseminated amph/bi; barren
SZ-18-263	330.00	357.50	27.50	1Z	Gabbroic with gradational contacts	Dark green/grey; FG-MG; mod chl; weak interstitial bil trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	357.50	358.63	1.13	6E	Intermediate Dyke	Medium-dark purple grey; FG; str fol; mod sil; mod disseminated msc; barren
SZ-18-263	358.63	387.45	28.82	1A	Massive Flows	Dark green/grey; FG; mod chl; weak interstitial bi; trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	387.45	388.70	1.25	5B	Granodiorite	White and grey; MG; weak fol; mod sil; nmod speckled disseminated amph/bi; barren
SZ-18-263	388.70	392.28	3.58	1A	Massive Flows	Dark green/grey; FG; mod chl; weak interstitial bi; trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	392.28	396.85	4.57	6A	Diorite	White and grey/black; MG; str interstitial bi and amph; str fsp and qtz speckling; very irregular contacts; approx/ 70% of unit intermixed with 1A; str bi halos; <4% qtz clusters and veinlets; barren
SZ-18-263	396.85	407.25	10.40	1A	Massive Flows	Dark green/grey; FG; mod chl; weak interstitial bi; trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	407.25	409.83	2.58	5B	Granodiorite	White and grey; MG; weak fol; mod sil; mod speckled disseminated amph/bi; <4% qtz clusters; barren
SZ-18-263	409.83	413.55	3.72	4B	Feldspar Porphyry	Medium purple/grey gmass; FG w/ 25% MG mod corroded and elongated fsp phenos; str interstitial bi; mod sil; strongly intermixed upper contact w/ 5B; 5% 5B dyklets throughout; mod fol; barren
SZ-18-263	413.55	425.40	11.85	1A	Massive Flows	Dark green/grey; FG; mod chl; weak interstitial bi; trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	425.40	429.90	4.50	1B	Pillowed Flows	Medium green/purple/grey; FG; str fol; str bi banding; mod ser bleached banding; mod wispy crb/sil alt'n banding; trace chl alt'd selvedges; barren
SZ-18-263	429.90	439.95	10.05	1A	Massive Flows	Dark green/grey; FG; mod chl; weak interstitial bi; trace wispy stringer crb/qtz/albite; str lcl banded and halo bi; barren
SZ-18-263	439.95	443.40	3.45	4B	Feldspar Porphyry	Medium-dark purple grey; FG gmass w/ MG strongly corroded 25% fsp phenos; mod interstitial bi; mod sil; mod fol; barren
SZ-18-263	443.40	447.70	4.30	1B	Pillowed Flows	Medium green/purple/grey; FG; str fol; str bi banding; mod ser bleached banding; mod wispy crb/sil alt'n banding; trace chl alt'd selvedges; str banded silicification; 1% wispy PO stringers
SZ-18-263	447.70	452.10	4.40	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; barren
SZ-18-263	452.10	456.20	4.10	1B	Pillowed Flows	Medium green/purple/grey; FG; str fol; str bi banding; mod ser bleached banding; mod wispy crb/sil alt'n banding; trace chl alt'd selvedges; weak lcl banded silicification; barren
SZ-18-263	456.20	464.05	7.85	1Z	Gabbroic with gradational contacts	Medium-dark green/grey; FG-MG; mod fol; mod interstitial bi; mod ser bleached banding; mod wispy crb/sil alt'n patches; barren
SZ-18-263	464.05	465.70	1.65	4B	Feldspar Porphyry	Medium-dark purple/brown/grey; FG gmass w/ MG strongly corroded 25% fsp phenos; str interstitial bi; weak sil; mod fol; barren
SZ-18-263	465.70	467.45	1.75	1A	Massive Flows	Medium-dark green/grey; FG-MG; mod chl; mod banded bi; mod wispy stringer albite/qtz veinlets; barren
SZ-18-263	467.45	468.80	1.35	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; barren

SZ-18-263	468.80	471.40	2.60	4B	Feldspar Porphyry	Medium-dark purple/brown/grey; FG gmass w/ MG strongly corroded 25% fsp phenos; mod interstitial bi; weak sil; mod fol; barren
SZ-18-263	471.40	475.82	4.42	1H	Mafic Tuff	Light purple grey; FG; str fol; str banding; zones of shearing w/ str interstitial bi; str disseminated msc; str sil; barren
SZ-18-263	475.82	489.00	13.18	1A	Massive Flows	Dark grey greenish; FG-MG; weak chl; mod fol; mod to str stringer wispy albite/qtz veinlets; 5% irregular 5B dykelets <5cm width; minor 5B and 4B; barren
SZ-18-263	489.00	492.20	3.20	6B	Gabbro	Medium green; MG; str chl; mod interstitial speckled bi; weak to no fol; barren
SZ-18-263	492.20	518.85	26.65	1A	Massive Flows	Dark grey greenish; FG-MG; weak chl; mod fol; mod to str stringer wispy albite/qtz veinlets; minor 5B and 4B; barren
SZ-18-263	518.85	521.95	3.10	4B	Feldspar Porphyry	Medium purple grey; FG w/ 20% corroded and weakly elongated fsp phenos; mod interstitial bi; mod sil; barren
SZ-18-263	521.95	547.98	26.03	1A	Massive Flows	Dark grey greenish; FG; weak-mod wispy chl; mod-str fol; zones of patchy swirled ser bleaching; zones of 100% bi alt'n patches; str banded bi; mod banded ser bleaching; lcl PO up to 5%; mod crb veins; lcl stronger chl alt'n flooding w/ pygmatic stringer ser alt'n; lcl patchy str ser/crb/act/chl patchy alt'n
SZ-18-263	547.98	549.50	1.52	4B	Feldspar Porphyry	Medium purple grey; FG w/ 20% corroded and weakly elongated fsp phenos; mod interstitial bi; mod sil; barren
SZ-18-263	549.50	568.95	19.45	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod-str banded/wispy ser bleaching w/ crb and act; 5-10% stringer and dyklet 5B and crb; mod chl; barren
SZ-18-263	568.95	570.55	1.60	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; barren
SZ-18-263	570.55	590.25	19.70	4B	Feldspar Porphyry	Medium purple grey; FG w/ 20% corroded and weakly elongated fsp phenos; mod interstitial bi; mod sil; long sections w/ <50% 1B contact from 574 to 581m; barren
SZ-18-263	590.25	592.42	2.17	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; w/ minor 4E; barren
SZ-18-263	592.42	596.60	4.18	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod-str banded/wispy ser bleaching w/ crb and act; mod chl; barren
SZ-18-263	596.60	600.60	4.00	6A	Diorite	Green/grey/white/brown; MG; speckled albite at ~15% up to 90% in some zones; mod speckled amph and bi; mod chl; barren
SZ-18-263	600.60	617.40	16.80	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod-str banded/wispy ser bleaching w/ crb and act; mod chl; barren
SZ-18-263	617.40	623.70	6.30	4B	Feldspar Porphyry	Medium purple grey beige; FG gmass w/ 5-10% strongly corroded and elongated fsp phenos; mod sil; str flooded ser bleaching; mod interstitial bi; ser flooding is stronger in center of body; barren
SZ-18-263	623.70	636.38	12.68	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod-str banded/wispy ser bleaching w/ crb and act; mod chl; barren
SZ-18-263	636.38	639.23	2.85	5B	Granodiorite	White grey; FG-MG; mod speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; str pervasive silicification w/ very strong sil flooded banding in areas; barren; w/ 10cm pegmatite at lower contact
SZ-18-263	639.23	642.93	3.70	1A	Massive Flows	Dark green grey; FG-MG; mod chl; mod fol; mod interstitial bi; trace stringer wispy albite/qtz veinlets; barren
SZ-18-263	642.93	656.80	13.87	1B	Pillowed Flows	Medium green/grey; FG; mod fol; mod chl alt'd selvages; mod-str banded/wispy and patchy ser bleaching w/ crb and act; mod chl; mod to str lcl patchy potassic alt'n; barren
SZ-18-263	656.80	659.19	2.39	1A	Massive Flows	Dark green grey; FG-MG; mod chl; mod fol; mod interstitial bi; trace stringer wispy albite/qtz veinlets; barren
SZ-18-263	659.19	661.94	2.75	6B	Gabbro	Medium green; MG; mod chl; mod interstitial speckled bi; weak to no fol; 5% wispy crb bands; barren
SZ-18-263	661.94	667.09	5.15	1B	Pillowed Flows	Medium green/grey; FG; mod fol; weak chl alt'd selvages; mod-str banded/wispy and patchy ser bleaching w/ crb and act; mod chl; mod to str lcl patchy potassic alt'n; barren
SZ-18-263	667.09	669.58	2.49	1A	Massive Flows	Dark green grey; FG-MG; mod chl; weak-mod fol; mod interstitial bi; trace stringer wispy albite/qtz veinlets; 2cm tabular dyklet of lamprophyre? W/ mod mag; barren
SZ-18-263	669.58	680.97	11.39	1B	Pillowed Flows	Medium green/grey; FG; mod fol; weak chl alt'd selvages; mod-str banded/wispy and patchy ser bleaching w/ crb and act; mod chl; mod to str lcl patchy potassic alt'n; barren
SZ-18-263	680.97	684.43	3.46	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; weak lcl pervasive silicification; lcl massive and blebby PO and PY associated wth qtz veins; 1m of undulating contact w/ <40% 1A w/ strong chl and str bi speckled halos
SZ-18-263	684.43	697.18	12.75	1A	Massive Flows	Dark green grey; FG-MG; mod chl; weak-mod fol; mod interstitial bi; trace stringer wispy albite/qtz veinlets; barren
SZ-18-263	697.18	699.45	2.27	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; weak lcl pervasive silicification; w/ trace corroded garnets; barren
SZ-18-263	699.45	710.89	11.44	1A	Massive Flows	Dark green grey; FG-MG; mod chl; weak-mod fol; mod interstitial bi; trace stringer wispy albite/qtz veinlets; barren

SZ-18-263	710.89	735.30	24.41	1B	Pillowed Flows	Medium green/grey; FG; mod fol; weak chl alt'd selvages; str banded/wispy and patchy ser bleaching w/ crb and act; mod chl; mod to str lcl patchy potassic alt'n; barren
SZ-18-263	735.30	737.90	2.60	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; weak lcl pervasive silicification; w/ trace corroded garnets; barren
SZ-18-263	737.90	740.18	2.28	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	740.18	753.05	12.87	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod chl alt'd selvages; mod patchy speckled bi; mod patchy banded ser bleaching; barren
SZ-18-263	753.05	756.40	3.35	6A	Diorite	Medium grey purple and green; mod fol; FG-MG; speckled chl/amph speckling in mod sil alt'n; mod speckled interstitial bi; trace speckled albite; barren
SZ-18-263	756.40	758.60	2.20	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod chl alt'd selvages; mod patchy speckled bi; mod patchy banded ser bleaching; barren
SZ-18-263	758.60	763.67	5.07	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	763.67	766.80	3.13	5B	Granodiorite	White grey and pink; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; weak lcl pervasive silicification; mod wispy stringer reddish oxides and potassic alt'n; w/ mod corroded garnets; barren
SZ-18-263	766.80	772.94	6.14	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	772.94	777.50	4.56	6A	Diorite	Medium grey purple and green; mod fol; FG-MG; speckled chl/amph speckling in mod sil alt'n; mod speckled interstitial bi; trace speckled albite; barren
SZ-18-263	777.50	779.80	2.30	5B	Granodiorite	White grey; FG-MG; weak speckled fsp eyes; mod speckled amph and bi; lcl patchy CG albite and qtz; weak lcl pervasive silicification; w/ trace corroded garnets; barren
SZ-18-263	779.80	784.04	4.24	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	784.04	786.90	2.86	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod chl alt'd selvages; mod patchy speckled bi; mod patchy banded ser bleaching; barren
SZ-18-263	786.90	787.95	1.05	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	787.95	792.00	4.05	6A	Diorite	Medium grey purple and green; mod fol; FG-MG; speckled chl/amph speckling in mod sil alt'n; mod speckled interstitial bi; trace speckled albite; barren
SZ-18-263	792.00	798.30	6.30	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	798.30	802.00	3.70	1B	Pillowed Flows	Medium grey/green; FG; mod fol; mod chl alt'd selvages; mod patchy speckled bi; mod patchy banded ser bleaching; barren
SZ-18-263	802.00	807.00	5.00	1A	Massive Flows	Medium green; FG; weak fol; mod chl; trace stringer qtz crb; barren
SZ-18-263	807.00	813.85	6.85	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; barren
SZ-18-263	813.85	815.82	1.97	4B	Feldspar Porphyry	Medium-dark purple grey; FG gmass w/ FG strongly corroded 5% fsp phenos; mod interstitial bi; mod speckled amph; mod sil; mod fol; barren
SZ-18-263	815.82	857.14	41.32	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; 5% k-spar rich 4E banding up to 15cm; 1% 1A banding; barren
SZ-18-263	857.14	858.49	1.35	1A	Massive Flows	Medium green; FG; weak fol; mod chl; trace stringer qtz crb; barren
SZ-18-263	858.49	871.15	12.66	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; weak interstitial bi; mod sil; 2% k-spar rich 4E banding up to 3cm; 1% 1A banding; barren
SZ-18-263	871.15	875.59	4.44	1A	Massive Flows	Medium green; FG; weak fol; mod chl; 3x k-spar/syenite rich pegmatite dyklets < 3cm; barren. Extremely long contact with 4B; starts at 871.15 slowly goes up to 50% of the core around 873.48 (the halfway point); then back down until 875.59 where the core becomes entirely 4B
SZ-18-263	875.59	880.36	4.77	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; mod sil; barren. Very heavy alteration from minor pegmatite units for the section before the pegmatite; altered to a grey/green with k-spar rich phenos; 25% phenos; other properties identical to non-altered version. Contains 2 minors of 4E that differ in composition
SZ-18-263	880.36	884.68	4.32	1A	Massive Flows	Medium green; FG; weak fol; mod chl; 1x k-spar/syenite rich pegmatite dyklet < 3cm; 1x 6cm patch of ser bleached area containing CG white 4E and speckled PY
SZ-18-263	884.68	887.17	2.49	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; mod sil; contains 1x 3cm thick dyke of stringer fuchsite/blebby k-spar 4E
SZ-18-263	887.17	889.52	2.35	1B	Pillowed Flows	Medium green; FG; mod fol; mod chl; weak ser/bi/car banding and bleaching; barren
SZ-18-263	889.52	893.23	3.71	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; 5% 4E dyklets that alter the phenos of the surrounding 4B to k-spar
SZ-18-263	893.23	901.55	8.32	1B	Pillowed Flows	Medium green; FG; mod fol; mod chl; weak ser/bi/car banding and bleaching; contains <20% band of 4B that is present for 60% of unit with weak bi alteration around it; contains 18cm dyklet of 4E with speckled PY found at the end of unit\



SZ-18-263	901.55	903.44	1.89	5B	Granodiorite	White/grey/pink/red; FG-MG; weak fol; weak speckled fsp eyes; mod speckled amph and bi; brecciated/stringer fuchsite in first 25cm of unit surrounding very flooded syenite; syenite flooding extends to most of the unit giving it a pink/red colour; barren
SZ-18-263	903.44	905.74	2.30	1A	Massive Flows	Medium green; FG; weak fol; mod chl; contains <25% band of 4B that is present for 40% of unit with mod bi alteration around it; ser/car bleaching in patches barren
SZ-18-263	905.74	933.45	27.71	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; contins 2x 4F minors: one of which has very horstailed contact; contains 4E minors: one of which has very horstailed contact with PY in the contact; two small 5B units very irregular contacts; phenos around 4E minor units altered to k-spar along with patchy strong kspar
SZ-18-263	933.45	939.52	6.07	1A	Massive Flows	Dark grey-green/black; fg; moderate chlorite biotite weak amphibole and banded epidote; contains minor 4E and discontinuous bands and blobs of low angle intersected 4B, most diklette size one larger between 934.68-935.38. Final section of core over 57cm is feldspar porphyry with bands of pegmatite
SZ-18-263	939.52	943.32	3.80	4E	Pegmatite	Pink/White/Grey; FG-CG pegmatite; moderate patchy kspar alteration; mainly coarse feldspar and quartz with lesser biotite chlorite patches; band/diklets of minor feldspar porphyry and volcanics
SZ-18-263	943.32	946.27	2.95	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% MG-CG mod corroded fsp phenos; massive; mod sil; weak interstitial bi; contins 5B minor dikelet; weak kspar alteratio only seem along lower contact
SZ-18-263	946.27	948.80	2.53	1A	Massive Flows	Dark grey-green/black; fg; moderate chlorite biotite weak amphibole and banded epidote; contains minor 4E and discontinuous bands and blobs of low angle intersected 4B, most diklette size one larger between 934.68-935.38. Final section of core over 57cm is feldspar porphyry with bands of pegmatite
SZ-18-263	948.80	961.77	12.97	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; contins 2 minor 4E and 1 5B between 953.39-953.74m, 955.39-955.67 and 957.16-957.40m. A minor 1A unit also seen between 950.3 and 951
SZ-18-263	961.77	962.97	1.20	5B	Granodiorite	White/grey/pink/red; FG-MG; weak fol; weak speckled fsp eyes; mod speckled amph and bi; 20% k-spar rich 4E dyklets/patches; barren
SZ-18-263	962.97	967.96	4.99	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% MG-CG mod corroded fsp phenos; massive; mod sil; weak interstitial bi; 10% k-spar rich 4E dyklets/patches that alter phenos to k-spar in for about 1m above each >5cm dyklet/patch; some 4E dyklets contain mod syenite stringers; barren
SZ-18-263	967.96	969.91	1.95	1A	Massive Flows	Medium green; FG; weak fol; mod chl; str ser/car bleaching in patches; the first 1m of unit is split down the core: 50% 4B; trace PY in one 5cm ser bleached patch; small qtz veinlets <3cm run through it
SZ-18-263	969.91	972.49	2.58	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; barren
SZ-18-263	972.49	975.44	2.95	1A	Massive Flows	Medium green; FG; weak fol; mod chl; weak ser/car bleaching in patches; the first and last 1m of unit is split down the core due to long contact: 50% 4B; barren
SZ-18-263	975.44	999.41	23.97	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% MG-CG mod corroded fsp phenos; weak fol; mod sil; contains 2 small patches of 1A that don't go through the core; 1 minor of very elongated 1B (due to angle of core); 1 minor of very k-spar rich 4E; barren
SZ-18-263	999.41	1000.90	1.49	5B	Granodiorite	White/grey/pink/red; FG-CG; weak fol; weak speckled fsp eyes; mod speckled amph and bi; 20% k-spar rich 4E with diffuse contacts; weak pervasive k-spar; barren
SZ-18-263	1000.90	1010.05	9.15	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak k-spar phenos in 1m areas; contins small dyke of k-spar & syenite rich 4E; barren
SZ-18-263	1010.05	1018.32	8.27	4D	Felsite	Medium White/Pink/green/bit of grey; FG-MG; no fol; 30% stringer-almost stockwork bi/ser throughout entire unit; heavily broken by both drill and natural fractures throughout; trace pervasive sye; str pervasive k-spar; barren
SZ-18-263	1018.32	1023.00	4.68	1A	Massive Flows	Medium green; FG; weak fol; mod chl; weak ser/car bleaching in patches ~10cm due to angle of contact; weak stringer sye ; barren
SZ-18-263	1023.00	1029.00	6.00	4B	Feldspar Porphyry	Medium purple/grey/red; FG gmass w/ 15% MG-CG mod corroded fsp phenos; weak fol; mod sil; 2-3 15cm patches of syenite/k-spar rich felsite; phenos close to these patches are k-spar; 10% 5-15cm 1A; barren
SZ-18-263	1029.00	1031.89	2.89	4D	Felsite	Medium White/Pink/grey; MG-CG; no fol; trace pervasive sye; weak pervasive k-spar; speckled msc/amph; barren
SZ-18-263	1031.89	1038.00	6.11	1A	Massive Flows	Medium green; FG; mod fol; str pervasive chl/bi; 45% 4B minors; weak band car; barren
SZ-18-263	1038.00	1063.03	25.03	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 25% (- 15% closer to the end) MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; contains some small <10cm dyklets of 5B; barren
SZ-18-263	1063.03	1064.08	1.05	4E	Pegmatite	White/Smokey Grey/Pink; MG-CG; no fol; mod pervasive k-spar; weak patchy CG smokey qtz/ser/chl; barren
SZ-18-263	1064.08	1066.37	2.29	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; contains minor 4E/5B; barren

SZ-18-263	1066.37	1074.68	8.31	4E	Pegmatite	White/Smokey Grey/Pink; MG-CG; no fol; mod pervasive k-spar; weak-mod patchy CG smokey qtz/ser/chl/msc; contains minor 4B; barren
SZ-18-263	1074.68	1107.14	32.46	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; 1 minor 4E; 2 minor 5B; contains 2m dyklet of 4E that reach up to 60% of the core thickness but never exceed that; barren
SZ-18-263	1107.14	1109.23	2.09	4E	Pegmatite	Coarse grained pink/white/grey massive granitic pegmatite. Fg biotite and coarse muscovite; minor garnet; pink aplitic sections. Trace pyrite cubes
SZ-18-263	1109.23	1139.60	30.37	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 35% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; 1 minor 5F(?); minor diklets of pegmatite throughout
SZ-18-263	1139.60	1141.53	1.93	1B	Pillowed Flows	Green-black weakly pillowed mafic volcanics. Pervasive weak amphibole chlorite and biotite alteration along with patchy weak carbonate and very weak epidote along pillow margins. Some are weakly vuggy. Weak foliation near parallel to core axis. Minor white/grey to pink pegmatite dike from 1139.92-1140.48m and 3cm diklet shortly downcore from this. Rare sulphides; fine grained disseminate Po concentrated along pillow margins.
SZ-18-263	1141.53	1155.23	13.70	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 35% MG-CG fsp phenos; weak fol; mod sil; weak interstitial bi; 2 minor 4E and minor 4cm sections of pillowed mafics that run along core axis ~10 TCA.
SZ-18-263	1155.23	1163.21	7.98	1B	Pillowed Flows	Green-black weakly pillowed mafic volcanics. Pervasive weak amphibole chlorite and biotite alteration along with patchy weak carbonate and very weak epidote along pillow margins. Some are weakly vuggy. Weak foliation near parallel to core axis. Minor white/grey to pink pegmatite dike from 1139.92-1140.48m and 3cm diklet shortly downcore from this. Rare sulphides; fine grained disseminate Po concentrated along pillow margins.
SZ-18-263	1163.21	1224.94	61.73	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; 1 minor each of 4F & 4E; 15% minor diklets of 4E/5B throughout
SZ-18-263	1224.94	1226.09	1.15	5B	Granodiorite	White/grey/pink; FG-CG; no fol; weak speckled fsp eyes; mod speckled amph and bi; 25% pegmatite; barren
SZ-18-263	1226.09	1241.10	15.01	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; 1 minor each of 5B; 5% minor diklets of 4E/5B throughout; some dyklets contain PY/PO/CPY (total about 1%)
SZ-18-263	1241.10	1243.68	2.58	5B	Granodiorite	white/grey; FG-MG; no fol; weak speckled fsp eyes; mod speckled amph and bi; very horsetailed contact/ contains 4B minor; 1% PY/PO
SZ-18-263	1243.68	1250.90	7.22	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; 1 minor each of 4E; 5% minor diklets of 4E/5B throughout; barren
SZ-18-263	1250.90	1251.00	0.10	FZ	Fault Zone	Occurred in small syenite dyke; very str chl clays and fault gauge; strongly fragmental; brecciated; strong fluid conduit
SZ-18-263	1251.00	1277.55	26.55	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; barren
SZ-18-263	1277.55	1279.45	1.90	4F	Felsic Dyke	White black pinkish; MG; str sil; possibly 5B or granitic; mod fol; mod interstitial bi; barren
SZ-18-263	1279.45	1289.36	9.91	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; barren
SZ-18-263	1289.36	1290.62	1.26	4E	Pegmatite	Pink/white/Grey; FG-CG pegmatite; moderate patchy kspar alteration; mainly coarse feldspar and quartz with lesser biotite chlorite patches; barren
SZ-18-263	1290.62	1294.78	4.16	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; barren
SZ-18-263	1294.78	1296.10	1.32	4E	Pegmatite	Pink/white/Grey; FG-CG pegmatite; moderate patchy kspar alteration; mainly coarse feldspar and quartz with lesser biotite chlorite patches; barren
SZ-18-263	1296.10	1300.00	3.90	4B	Feldspar Porphyry	Medium purple grey; FG gmass w/ 20% MG-CG mod corroded fsp phenos; weak fol; mod sil; weak interstitial bi; barren
SZ-18-263	1300.00	1328.00	28.00	1A	Massive Flows	50/50 4B and 1A; Medium green/grey; FG; mod fol; str bleached banding/wisps; dyklet 4B 1cm minimum in places; horsetailed; patchy white pegmatite; barren





Hole Number:

WZ-18-87W

Drill Rig:

Drill 19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Sept-30-2018	4-Oct-2018	
<u>Planned Coordinates</u>		Azimuth:	55	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644776.88						
Northing	5408348.68	Dip:	-72.3	Dates Logged:	Start Date:	End Date:	
Elevation(m)	408.46				Sept-30-2018	6-Oct-2018	
<u>Final Pick up</u>		Depth(m):	600.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:	Jordan Keir-Sage		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)							
Casing				Assay Lab:	Actlabs		
Purpose of Hole	Infill drilling of the Wolf Zone	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Hole needed to be wedge at EOH	0.0	55.7	-72.3	56474		63.3
		30.0	55.7	-72.3	56474		63.3
		60.0	53.3	-72.1	56259		60.9
		90.0	54.9	-71.7	56318		62.5
		120.0	51.3	-71.0	56383		58.9
		150.0	52.7	-69.9	56720		60.3
		270.0	49.2	-67.7	56361		56.8
		300.0	47.8	-67.6	56343		55.4
Comments		330.0	49.1	-67.8	56256		56.7
		360.0	47.6	-67.2	56118		55.2
		390.0	47.6	-67.0	56197		55.2
		414.0	59.4	-63.6	54313	Wedge sta	67
		441.0	50.4	-62.3	56077		58
		469.5	52.5	-61.8	56931		60.1
		519.0	52.7	-60.2	56121		60.3
		487.5	53.4	-60.7	55887		61
		544.5	53.4	-59.5	56015		61
		589.5	56.6	-58.9	56400		64.2
Azimuth corrected to 7.6 degrees west declination		574.5	55.0	-62.6	56152		62.6
		615.0	58.4	-56.3	55425		66
		621.0	57.1	-55.9	56341		64.7
		627.0	57.3	-55.2	56279		64.9
		646.0	46.6	-65.5	56321		54.2
		673.0	56.6	-64.2	56723		64.2
		694.5	57.5	-65.1	56297		65.1
		721.0	58.3	-52.9	56371		65.9

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-87W	0	394.55	394.55			Previously drilled in WZ-17-87
WZ-18-87W	394.55	403.62	9.07	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas. Gabbroic texture in areas. Occasional pillow selvage formation.
WZ-18-87W	403.62	405.9	2.28	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Frequent light green alteration haloes surrounding healed fractures.
WZ-18-87W	405.9	414.17	8.27	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Approx. 3-4% sulphides from 411.5 to 414.17m; py and po. Silica flooding and slight banded texture associated with the sulphides at 411.5 to 412.2; potentially an iron formation.
WZ-18-87W	414.17	416.22	2.05	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Frequent light green alteration haloes surrounding healed fractures. Minor amounts of disseminated py (<1%)
WZ-18-87W	416.22	446.64	30.42	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Minor amounts of disseminated biotite. Minor amounts of finer grained feldspar surrounding mafics. Gabbroic texture in areas. minor blebby pyrite
WZ-18-87W	446.64	448.26	1.62	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated
WZ-18-87W	448.26	452.24	3.98	1A	Massive Flows	Dark green to grey, fine to medium grained Massive mafic flows. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. Minor blebby pyrite. Unit has spotty magnetics
WZ-18-87W	452.24	455.46	3.22	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated
WZ-18-87W	455.46	489.77	34.31	1A	Massive Flows	Dark green to grey, fine to medium grained Massive mafic flows. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. Disseminated garnets Minor blebby pyrite. Some coarse grained gabbroic texture
WZ-18-87W	489.77	495.68	5.91	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated
WZ-18-87W	495.68	517.55	21.87	1A	Massive Flows	Dark green to grey, fine to medium grained Massive mafic flows. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. Minor blebby pyrite. Some coarse grained gabbroic texture
WZ-18-87W	517.55	521.65	4.1	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated
WZ-18-87W	521.65	525	3.35	6B	Gabbro	Dark green to grey, fine to coarse grained Gabbro. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. Minor blebby pyrite.
WZ-18-87W	525	544.77	19.77	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated. Spotty magnetite, resulting in magnetic spots
WZ-18-87W	544.77	549.96	5.19	6B	Gabbro	Dark green to grey, fine to coarse grained Gabbro. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. <1% qtz carb stringers
WZ-18-87W	549.96	558.19	8.23	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated. Spotty magnetite, resulting in magnetic spots
WZ-18-87W	558.19	576.34	18.15	6B	Gabbro	Dark green to grey, fine to coarse grained Gabbro. United is moderately foliated with chlorite, biotite and possibly magnetite grains stretched along with the foliation. <1% qtz carb stringers
WZ-18-87W	576.34	590.48	14.14	1B	Pillowed Flows	Green grey, fine grained pillowed mafics. Pervasive chlorite with very weak epidote/chlorite patches in the pillowed selvages. Some patchy/netty biotite

WZ-18-87W	590.48	600	9.52	4B	Feldspar Porphyry	Purplish, grey fine to medium grained feldspar porphyry, moderately foliated. Unit has a purplish hue, however there is some pervasive bleaching throughout unit. Phenos are stretched and elongated. Spotty magnetite, resulting in magnetic spots
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BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	410	411	1	787117	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	411	411.5	0.5	787118	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	411.5	412.3	0.8	787119	17			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Blank			0	787120	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	412.3	413	0.7	787121	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	413	414.17	1.17	787122	8			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	414.17	415	0.83	787123	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	415	415.64	0.64	787124	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	450	451	1	787125	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	454	455	1	787126	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	464	465	1	787127	< 5			
WZ-18-87W	Wolf Zone	Actlabs	A18-14724			Assay	488.77	489.77	1	787128	11			



Hole Number:	WZ-18-87W2
Drill Rig:	
Claim Number:	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					5-Oct-2018	10-Oct-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	55	<b>Drill Contractor:</b>	Forages Chibougamau Ltée	
<b>Easting</b>	644776.88					
<b>Northing</b>	5408348.68	<b>Dip:</b>	-72.3	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	408.46				7-Oct-2018	11-Oct-2018
<u>Final Pick up</u>		<b>Depth(m):</b>	825.00	<b>Logger 1:</b>	Jordan Keir-Sage	
<b>Easting</b>					<b>Logger 2:</b>	
<b>Northing</b>		<b>Core Size:</b>	NQ	<b>Logger 3:</b>		
<b>Elevation(m)</b>					<b>Assay Lab:</b>	Actlabs

<b>Casing</b>	
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Purpose of Hole	Further exploration of the wolf zone	Dip Tests							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Results	Zone intersected in between 790.43m - 795.53m.	0.0	55.7	-72.3	56474		63.3		
		30.0	55.7	-72.3	56474		63.3		
		60.0	53.3	-72.1	56259		60.9		
		90.0	54.9	-71.7	56318		62.5		
		120.0	51.3	-71.0	56383		58.9		
		150.0	52.7	-69.9	56720		60.3		
		270.0	49.2	-67.7	56361		56.8		
		300.0	47.8	-67.6	56343		55.4		
Comments		330.0	49.1	-67.8	56256		56.7		
		360.0	47.6	-67.2	56118		55.2		
		390.0	47.6	-67.0	56197		55.2		
		414.0	59.4	-63.6	54313	Wedge sta	67		
		441.0	50.4	-62.3	56077		58		
		469.5	52.5	-61.8	56931		60.1		
		519.0	52.7	-60.2	56121		60.3		
		487.5	53.4	-60.7	55887		61		
		Azimuth corrected to 7.6 degrees west declination		544.5	53.4	-59.5	56015		61
				589.5	56.6	-58.9	56400		64.2
				574.5	55.0	-62.6	56152		62.6
				615.0	58.4	-56.3	55425	Wedge sta	66
621.0	57.1			-55.9	56341		64.7		
627.0	57.3			-55.2	56279		64.9		
646.0	46.6			-65.5	56321		54.2		
673.0	56.6			-64.2	56723		64.2		
694.5	57.5			-65.1	56297		65.1		
721.0	58.3			-52.9	56371		65.9		
741.0	58.4	-51.6	56219		66.0				
759.0	58.1	-50.6	56486		65.7				
781.5	57.9	-49.8	56451		65.5				
825.0	58.9	-49.0	56363		66.5				



BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-87W2	595.75	607.03	11.28	4B	Feldspar Porphyry	***Previous hole wedged at 600m*** Purplish grey, fine to medium grained feldspar porphyry. Phenos are mm in size, slight elongation and corrosion. Unit appears to be bleached pervasively
WZ-18-87W2	607.03	615.26	8.23	1A	Massive Flows	dark green to grey, fine to medium grained moderate foliated massive mafic flows. Qtz carb stringers are 1% of unit. Chlorite is pervasive, with interstitial biotite
WZ-18-87W2	615.26	675.29	60.03	1B	Pillowed Flows	Grey green, fine grained , moderately foliated pillowed mafic flows. Pervasive chlorite, with qtz carb stringers. Selvedges are have some epidote alteration and with bands of garnets.
WZ-18-87W2	675.29	702.12	26.83	1A	Massive Flows	dark green to grey, moderate foliated massive mafic flows. Qtz carb stringers are 1% of unit. Chlorite is pervasive, with interstitial biotite
WZ-18-87W2	702.12	718.17	16.05	1B	Pillowed Flows	Grey green, fine grained , moderately foliated pillowed mafic flows. Pervasive chlorite, with qtz carb stringers. Selvedges are have some epidote alteration and with bands of garnets. Lower contact has sericite alteration
WZ-18-87W2	718.17	759.6	41.43	1A	Massive Flows	dark green to grey, moderate foliated massive mafic flows. Qtz carb stringers are 1% of unit. Chlorite is pervasive, with interstitial biotite. Minor unit of banded alteration between 735.84-736.46, 2% sulfides in unit
WZ-18-87W2	759.6	766.97	7.37	5B	Granodiorite	Pinkish white grey, fine to coarse granodiorite. No foliation. Unit is pervasively kspar altered
WZ-18-87W2	766.97	771.88	4.91	1A	Massive Flows	dark green to grey, moderate foliated massive mafic flows. Qtz carb stringers are 1% of unit. Chlorite is pervasive, with interstitial biotite. Minor unit of banded alteration between 735.84-736.46, 2% sulfides in unit
WZ-18-87W2	771.88	775.35	3.47	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Phenos are mm in size, slight elongation and corrosion. Unit has rims of bleaching
WZ-18-87W2	775.35	790.43	15.08	1B	Pillowed Flows	Grey green, fine grained , moderately foliated pillowed mafic flows. Pervasive chlorite, with qtz carb stringers. Selvedges are have some epidote alteration and with bands of garnets. Lower contact has sericite alteration
WZ-18-87W2	790.43	790.98	0.55	1ALT	Altered Mafic Volcanic	Greenish grey with brown bands, altered mafic flows. Unit is sheared producing bands of biotite chlorite and carbonates. 1% of unit is sulfides pyrite. Unit is strongly silicified and has moderate fracture sericite
WZ-18-87W2	790.98	793.27	2.29	4ALT	Altered Feldspar Porphyry	Purplish grey altered feldspar porphyry, grain size is hard to determine as unit is over printed with silicification. Shearing is slightly visible through silicification. There is a kspar alteration which is not normally not associated with this alteration package
WZ-18-87W2	793.27	795.53	2.26	1ALT	Altered Mafic Volcanic	Greenish grey with brown bands, altered mafic flows. Unit is sheared producing bands of biotite chlorite and carbonates. 1% of unit is sulfides pyrite. Unit is strongly silicified and has moderate fracture sericite with it being very strong in parts giving a healed fracture appearance
WZ-18-87W2	795.53	819.32	23.79	1A	Massive Flows	dark green to grey, moderate foliated massive mafic flows. Qtz carb stringers are 1% of unit. Chlorite is pervasive, with interstitial biotite. Minor unit of banded alteration between 735.84-736.46, 2% sulfides in unit
WZ-18-87W2	819.32	825	5.68	5B	Granodiorite	white grey, fine to coarse granodiorite. No foliation.

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	710	711	1	787129	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	OREAS 216			0	787130	6.2	6200		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	735.84	736.48	0.64	787131	0.026	26		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	788.43	789.43	1	787132	0.005	5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	789.43	790.43	1	787133	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	790.43	790.98	0.55	787134	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	790.98	791.98	1	787135	1.01	1010		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	791.98	792.97	0.99	787136	0.059	59		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	792.97	793.27	0.3	787137	0.054	54		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	793.27	794.27	1	787138	0.013	13		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	794.27	795	0.73	787139	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Blank			0	787140	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	795	795.53	0.53	787141	0.005	5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	795.53	796.53	1	787142	0.0025	< 5		
WZ-18-87W2	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	796.53	797.53	1	787143	0.0025	< 5		



Hole Number:

WZ-18-179W5

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Aug-26-2018	Sep-01-2018	
<u>Planned Coordinates</u>		Azimuth:	53	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644713						
Northing	5408407	Dip:	-78	Dates Logged:	Start Date:	End Date:	
Elevation(m)	408				Aug-27-2018	Sep-01-2018	
<u>Final Pick up</u>		Depth(m):	1098.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Exploration of the Wolf Zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		18.0	48.3	-78.0	56917		55.9
		48.0	51.0	-77.8	56217		58.6
Results	Zone intersected at 1031; alternates between 1ALT, 4ALT and 1B until 1050. Sulphides in this zone range from <1% to 4%. 6 small specs of vg and an almost 1 mm wide spec at 1045.15. Another small spec at 1045.6m.	78.0	52.2	-77.6	56087		59.8
		108.0	51.6	-77.0	56128		59.2
		138.0	51.3	-76.7	56142		58.9
		168.0	50.6	-76.3	56040		58.2
		198.0	52.3	-76.2	55950		59.9
		231.0	50.7	-75.4	55773		58.3
		261.0	52.1	-75.1	55177		59.7
Comments		291.0	79.1	-74.9	54140		86.7
		321.0	50.6	-75.0	56737		58.2
		351.0	48.8	-74.4	56578		56.4
		381.0	52.1	-74.1	56117		59.7
		414.0	52.4	-70.5	56230		60
		444.0	53.4	-69.4	56026		61
		474.0	53.2	-68.4	55784		60.8
		504.0	53.8	-68.1	55804		61.4
		534.0	54.2	-67.8	55753		61.8
		564.0	54.4	-67.6	55725		62
Azimuth corrected to 7.6 degrees west declination		594.0	55.2	-67.2	55972		62.8
		624.0	56.2	-66.9	56222		63.8
		654.0	56.8	-66.7	56471		64.4
		684.0	59.1	-66.5	56252		66.7
		714.0	56.5	-65.9	55743		64.1
		744.0	56.0	-65.3	56078		63.6
		774.0	56.3	-65.1	56004		63.9
		813.0	58.8	-62.8	56182		66.4
		846.0	61.2	-62.0	56860		68.8
		873.0	61.3	-61.8	56014		68.9
		903.0	60.9	-61.6	56369		68.5
		933.0	61.4	-60.9	55971		69
		963.0	60.4	-59.9	56179		68
		993.0	60.3	-56.7	56110		67.9
		1023.0	59.0	-55.1	55693		66.6
		1053.0	61.0	-54.5	55696		68.6
		1083.0	59.6	-54.2	56070		67.2

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-179W5	0	793.5	793.5			Previously Drilled
WZ-18-179W5	793.5	811	17.5	1A	Massive Flows	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained; majority of the unit is massive in texture some sections have a gabbroic texture.
WZ-18-179W5	811	813.7	2.7	4B	Feldspar Porphyry	fg to mg, Dark purplish-grey to grey. Weak to moderate foliation defined by moderate disseminated biotite in a felsic ground mass. ~10-15% Subhadra feldspar phenocrysts, millimetric in size, moderately stretched and lineated. Light green alteration halos surrounding healed fractures.
WZ-18-179W5	813.7	845.8	32.1	1A	Massive Flows	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained; majority of the unit is massive in texture some sections have a gabbroic texture. High degree of fracturing from 822.3 to 822.6 (20+), 830.3 to 830.7 (20+).
WZ-18-179W5	845.8	863.2	17.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Minor brecciated texture from 849 to 850 as a result of healed fractures; increased chlorite alteration in this interval.
WZ-18-179W5	863.2	878.75	15.55	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with a massive texture. Calcite and quartz stringers, wisps sporadically throughout. Moderate foliation. Minor to moderate amounts of fg light grey plagioclase interstitially. Occasional pillow selvage formations.
WZ-18-179W5	878.75	957.09	78.34	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Increased biotite alteration from 878.75 to 879.3 produce a banded texture; quartz stringers associated with this interval as well as up to 2% sulphides (borderline 1ALT). Series of quartz stringers at 887.95 to 888.05 associated with po stringers.
WZ-18-179W5	957.09	959.7	2.61	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thinly banded biotite alteration. Up to 2% sulphides; py and po; approx. 1% on average in this interval. Frequent millimetric garnet disseminated throughout.
WZ-18-179W5	959.7	1031.1	71.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Narrow sections of grandiorite occasionally; 1015.5 to 1015.78, 1016.22 to 1016.5m. Increased biotite banding from 990 to 991 associated with some garnet, quartz stringers and <1% po stringers. Increased biotite banding from 997.85 to 998 associated with some garnet, quartz stringers and 2% po stringers.
WZ-18-179W5	1031.1	1032.3	1.2	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of biotite alteration creating thin brown banding. Approximately 1% disseminated sulphides throughout. Sulphide content associated with silicification which includes quartz veinlets, wisps and stringers.
WZ-18-179W5	1032.3	1035.8	3.5	4ALT	Altered Feldspar Porphyry	fg grey unit with a strong purple hue; moderate to heavy silicification. Fg felsic ground mass with occasional highly strained and elongated millimetric feldspar phenocrysts. Light green alteration halos surround healed fractures. Millimetric sericite/muscovite flakes disseminated throughout. <1% disseminated sulphides composed of py, po and trace cpy. Sulphide concentration increases in the bottom 30 cm of the unit, up to 4% in this section.
WZ-18-179W5	1035.8	1036.5	0.7	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of biotite alteration creating thin brown banding. <1% disseminated sulphides throughout. Sulphide content associated with silicification which includes quartz veinlets, wisps and stringers. Alteration decreases with depth.
WZ-18-179W5	1036.5	1043.95	7.45	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Silica flooding/veinlet from 1039.18 to 1039.26 that contains up to 5 % py disseminated throughout.
WZ-18-179W5	1043.95	1044.44	0.49	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of biotite alteration creating thin brown banding. <1% disseminated sulphides throughout. Sulphide content associated with silicification which includes Smokey quartz veinlets, wisps and stringers.

WZ-18-179W5	1044.44	1047.25	2.81	4ALT	Altered Feldspar Porphyry	fg grey unit with a strong purple hue; moderate to heavy silicification. Fg felsic ground mass with occasional highly strained and elongated millimetric feldspar phenocrysts. Light green alteration halos surround healed fractures. 2-4% blebby sulphides (po and py) overall; minor cpy. Frequent Smokey quartz veinlets intermittently throughout; 6 small specks of gold and a large piece of vg (almost 1mm across) at 1145.15. Another small spec of vg at 1145.6.
WZ-18-179W5	1047.25	1050	2.75	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of biotite alteration creating thin brown banding. 1-2% blebby sulphides composed predominately of py and po. Sulphide content associated with silicification which includes quartz veinlets, wisps and stringers intermittently throughout. Alteration intensity decreases with depth. po and py stringers at 1049.5m.
WZ-18-179W5	1050	1064.63	14.63	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Minor disseminated sulphides (<1%).
WZ-18-179W5	1064.63	1067.65	3.02	4B	Feldspar Porphyry	fg to mg, dark purplish-grey to grey. Weak to moderate foliation defined by moderate disseminated biotite in a felsic ground mass. ~10-15% Subhadra feldspar phenocrysts, millimetric in size, moderately stretched and lineated. Light green alteration halos surrounding healed fractures.
WZ-18-179W5	1067.65	1070.05	2.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation.
WZ-18-179W5	1070.05	1071.81	1.76	4B	Feldspar Porphyry	fg to mg, dark purplish-grey to grey. Weak to moderate foliation defined by moderate disseminated biotite in a felsic ground mass. ~10-15% Subhadra feldspar phenocrysts, millimetric in size, moderately stretched and lineated. Light green alteration halos surrounding healed fractures.
WZ-18-179W5	1071.81	1084.3	12.49	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation.
WZ-18-179W5	1084.3	1086.2	1.9	4B	Feldspar Porphyry	fg to mg, dark purplish-grey to grey. Weak to moderate foliation defined by moderate disseminated biotite in a felsic ground mass. ~10-15% Subhadra feldspar phenocrysts, millimetric in size, moderately stretched and lineated. Light green alteration halos surrounding healed fractures.
WZ-18-179W5	1086.2	1088	1.8	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation.
WZ-18-179W5	1088	1098	10	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture.
WZ-18-179W5	1098	1098	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	877.75	878.75	1	783077	0.065	65		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	878.75	879.5	0.75	783078	0.008	8		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	879.5	880.5	1	783079	0.007	7		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Blank			0	783080	0.005	5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	887	887.67	0.67	783081	0.005	5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	887.67	888.5	0.83	783082	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	888.5	889	0.5	783083	0.005	5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	956	957.09	1.09	783084	0.008	8		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	957.09	958	0.91	783085	0.031	31		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	958	959	1	783086	0.006	6		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	959	959.7	0.7	783087	0.029	29		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	959.7	960.5	0.8	783088	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	989	990	1	783089	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	OREAS 210			0	783090	5.34	5340		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	990	991	1	783091	0.015	15		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	991	992	1	783092	0.008	8		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	997	997.85	0.85	783093	0.078	78		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	997.85	998.42	0.57	783094	0.015	15		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12511	06-Sep-18	28-Sep-18	Assay	998.42	999.5	1.08	783095	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1028	1029	1	783096	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1029	1030	1	783097	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1030	1031.1	1.1	783098	0.012	12		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1031.1	1031.5	0.4	783099	0.566	566		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Blank			0	783100	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1031.5	1032.3	0.8	783101	0.159	159		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1032.3	1033	0.7	783102	0.342	342		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1033	1034	1	783103	0.07	70		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1034	1035	1	783104	0.047	47		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1035	1035.8	0.8	783105	0.741	741		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1035.8	1036.5	0.7	783106	0.054	54		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1036.5	1037	0.5	783107	0.011	11		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1037	1038	1	783108	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1038	1039	1	783109	0.005	5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	OREAS 215			0	783110	3.56	3560		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1039	1040	1	783111	0.022	22		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1040	1041	1	783112	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1041	1042	1	783113	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1042	1043	1	783114	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1043	1043.95	0.95	783115	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1043.95	1044.4	0.45	783116	0.03	30		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1044.4	1045	0.6	783117	0.519	519		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1045	1046	1	783118	6.95	6790	6.95	
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1046	1046.5	0.5	783119	5.71	5100	5.71	
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Blank			0	783120	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1046.5	1047.25	0.75	783121	2.3	2300		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1047.25	1048	0.75	783122	0.148	148		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1048	1048.48	0.48	783123	0.032	32		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1048.48	1049	0.52	783124	0.0025	< 5		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1049	1050	1	783125	0.022	22		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1050	1051	1	783126	0.007	7		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1051	1052	1	783127	0.01	10		
WZ-18-179W5	Wolf Zone	Actlabs	A18-12290	04-Sep-18	07-Sep-18	Assay	1052	1053	1	783128	0.0025	< 5		



		<b>Hole Number:</b>		<b>WZ-18-181</b>									
		<b>Drill Rig:</b>		HC-150-17									
		<b>Claim Number:</b>											
<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>		<b>Start Date:</b>		<b>End Date:</b>					
Surface						11-Sep-2018		22-Sep-2018					
<u>Planned Coordinates</u>		<b>Azimuth:</b>	58		<b>Drill Contractor:</b>		Forages Chibougamau Ltée						
<b>Easting</b>	644713												
<b>Northing</b>	5408407	<b>Dip:</b>	-70		<b>Dates Logged:</b>		<b>Start Date:</b>		<b>End Date:</b>				
<b>Elevation(m)</b>							12-Sep-2018		23-Sep-2018				
<u>Final Pick up</u>		<b>Depth(m):</b>	900.00		<b>Logger 1:</b>		Geoff Podrucky						
<b>Easting</b>													
<b>Northing</b>		<b>Core Size:</b>	NQ		<b>Logger 2:</b>								
<b>Elevation(m)</b>													
<b>Casing</b>				<b>Logger 3:</b>		Actlabs							
				<b>Dip Tests</b>									
<b>Purpose of Hole</b>		Exploration of the Wolf Zone.		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>				
				21.0	58.2	-69.6	56485		65.8				
<b>Results</b>		832.82-843.49m: Sheared and altered feldspar porphyry and mafic flow with minor quartz flooding and up to 3-4% pyrite/pyrrhotite.		51.0	59.1	-69.7	56082		66.7				
				81.0	58.5	-69.4	56242		66.1				
				111.0	60.1	-69.5	56667		67.7				
				141.0	59.8	-68.9	56336		67.4				
				171.0	59.1	-68.8	56233		66.7				
				201.0	58.6	-68.4	55638		66.2				
				231.0	60.1	-67.7	55378		67.7				
				264.0	52.1	-67.2	56962		59.7				
				<b>Comments</b>				294.0	58.5	-67.0	56245		66.1
								324.0	57.4	-66.9	56451		65
354.0	57.5	-66.7	56204						65.1				
384.0	57.6	-66.1	56218						65.2				
414.0	58.6	-64.9	55910						66.2				
444.0	59.8	-64.5	55828						67.4				
474.0	58.9	-64.0	55755						66.5				
<b>Azimuth corrected to 7.6 degrees west declination</b>								504.0	65.0	-63.7	56669		72.6
								534.0	62.6	-63.6	55329		70.2
								564.0	61.5	-61.8	55644		69.1
				594.0	62.6	-60.0	55888		70.2				
				624.0	63.8	-59.8	55811		71.4				
				654.0	64.7	-59.8	55902		72.3				
				699.0	69.8	-58.5	57817		77.4				
				735.0	66.7	-54.5	56111		74.3				
				762.0	67.0	-53.7	56116		74.6				
				783.0	66.3	-53.4	56106		73.9				
813.0	65.7	-53.0	56146		73.3								
843.0	66.4	-52.6	56094		74								
894.0	67.6	-52.0	56183		75.2								

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-181	0	6	6	CAS	Casing	
WZ-18-181	6	12.16	6.16	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 deg TCA) defined by banded alteration. Weak to moderate banded to patchy chlorite-sericite-biotite alteration. 3-4% mm-cm scale quartz-carb stringers, mostly parallel to fabric. 2-3% minor cm-scale feldspar porphyry dykes observed. Trace blebby pyrite throughout unit. Weak to moderate mm-scale fractures, filled with carbonate, cutting core at various angles (5-60 deg TCA). Sharp lower contact.
WZ-18-181	12.16	13.28	1.12	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (35 deg TCA) defined by moderate disseminated biotite. 30% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and lineated. Sharp lower contact.
WZ-18-181	13.28	16.22	2.94	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 deg TCA) defined by banded alteration. Weak to moderate banded to patchy chlorite-sericite-biotite alteration. 3-4% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Weak to moderate mm-scale fractures, filled with carbonate, cutting core at various angles (5-60 deg TCA). Sharp lower contact.
WZ-18-181	16.22	20.84	4.62	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (35 deg TCA) defined by moderate disseminated biotite. 25-30% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and lineated. Sharp lower contact.
WZ-18-181	20.84	23.96	3.12	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 deg TCA) defined by banded alteration. Weak to moderate patchy chlorite-sericite-biotite alteration. 3-4% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Weak to moderate mm-scale fractures, filled with carbonate, cutting core at various angles (5-60 deg TCA). Sharp lower contact.
WZ-18-181	23.96	31.03	7.07	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (35 deg TCA) defined by moderate disseminated biotite. 25-30% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and lineated. Locally weakly broken core. Sharp lower contact.
WZ-18-181	31.03	76.5	45.47	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 deg TCA) defined by banded alteration. Weak to moderate patchy chlorite-sericite-biotite alteration. 2% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local 1-2 mm wide off-set fractures, filled with carbonate, cutting core at various angles (5-60 deg TCA). Gradational lower contact.
WZ-18-181	76.5	108.34	31.84	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Weak foliation (40 deg TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and patchy to fracture-controlled sericite alteration. 2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Trace blebby pyrite/pyrrhotite throughout unit. Gradational lower contact.
WZ-18-181	108.34	150.21	41.87	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Locally gabbroic texture observed. Moderate foliation (40 deg TCA) defined by banded alteration. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local 1-2 mm wide off-set fractures, filled with carbonate, cutting core at various angles (10-70 deg TCA). Gradational lower contact.
WZ-18-181	150.21	159.67	9.46	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak foliation (40 deg TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 2% minor cm-scale feldspar porphyry dykes, parallel to fabric observed. Trace blebby pyrite throughout unit. Gradational lower contact.
WZ-18-181	159.67	171.59	11.92	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Locally gabbroic texture observed. Moderate foliation (40 deg TCA) defined by banded alteration. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 1-2% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local 1-2 mm wide off-set fractures, filled with carbonate, cutting core at various angles (10-70 deg TCA). Minor fault with gouge from 169.00-169.10m. Sharp lower contact.
WZ-18-181	171.59	173.75	2.16	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to medium-grained feldspar porphyry. Moderate foliation (45 deg TCA) defined by moderate disseminated biotite. Weak to moderate patchy to fracture-controlled sericitization. 15-20% subhedral feldspar phenocrysts, up to 3-4 mm wide, moderately stretched and lineated. Locally weakly broken core. 10-15% cm-scale intervals of minor mafic flow. Sharp lower contact.



WZ-18-181	173.75	218.37	44.62	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Locally gabbroic texture observed. Locally weakly magnetic. Moderately to strongly magnetic from 213-218.37m. Weak to moderate foliation (40 deg TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and patchy to fracture-controlled sericite-chlorite alteration. 3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 2% disseminated and blebby pyrrhotite from 173.75-175.5m. 3-4% blebby pyrrhotite from 190-191m. 5-10% intervals of pillowed mafic flow with patchy garnet alteration and gradational contacts. 1-2% cm-scale minor ultramafics observed. Gradational lower contact.
WZ-18-181	218.37	231.16	12.79	1UT	Ultramafic Talc/Chlorite Altered	Grey, fine-grained ultramafics. Moderately to strongly magnetic. Moderate to strong pervasive talc alteration and weak to moderate pervasive chlorite alteration. 2% mm-scale quartz-cars stringers cutting core at various angles. Core locally is weakly to strongly broken. Difficult to distinguish contacts, gradational contacts?
WZ-18-181	231.16	236.17	5.01	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak foliation (40 deg TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite alteration. 1-2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 5% minor cm-scale iron formations observed. Minor iron formation on lower contact.
WZ-18-181	236.17	238.24	2.07	6E	Intermediate Dyke	Dark grey with some light-grey, fine- to medium-grained intermediate dyke. Moderate foliation (45 deg TCA) defined by needly amphibole in matrix. Moderate needly amphibole throughout unit. Sharp lower contact.
WZ-18-181	238.24	252.62	14.38	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Locally grading into coarse-grained with gabbroic texture. Weak to moderate foliation (45 deg TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite and weak patchy chlorite alteration. 2-3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 5% minor cm-scale iron formations observed. Local 1-2 mm wide off-set fractures, filled with carbonate, cutting core at various angles. Weakly broken core from 249-252.62m. Sharp lower contact.
WZ-18-181	252.62	256.81	4.19	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to medium-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite. Moderate patchy to fracture-controlled sericitization. 15-20% subhedral feldspar phenocrysts, up to 2 mm wide, moderately stretched and lineated. Locally weakly broken core. Sharp lower contact.
WZ-18-181	256.81	258.76	1.95	1UT	Ultramafic Talc/Chlorite Altered	Grey, fine-grained ultramafics. Moderately to strongly magnetic. Moderate to strong pervasive talc alteration and weak to moderate pervasive chlorite alteration. 2% mm-scale quartz-cars stringers cutting core at various angles. Sharp lower contact.
WZ-18-181	258.76	271.06	12.3	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak to moderate foliation (45 deg TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite and weak patchy chlorite alteration. 3-5% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 25% minor cm-scale iron formations observed with 3-5% disseminated and blebby pyrrhotite from 269-271.06m. Local 1-2 mm wide off-set fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	271.06	296.43	25.37	7A	Diabase	Dark grey, fine- to coarse-grained glomerophytic diabase. Moderately magnetic. 5-10% plagioclase glomerophytes, up to 2cm wide, weakly epidote altered. Sharp lower contact.
WZ-18-181	296.43	297.81	1.38	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak to moderate foliation (45 deg TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite and weak patchy chlorite alteration. 1-2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	297.81	300.03	2.22	4B	Feldspar Porphyry	Light purplish-grey to light greenish-grey, fine- to medium-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite. Moderate patchy to fracture-controlled sericitization and epidote alteration. 10-15% subhedral feldspar phenocrysts, up to 1-2 mm wide, moderately stretched and lineated. Sharp lower contact.
WZ-18-181	300.03	335.14	35.11	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (40 deg TCA) defined by banded alteration. Moderate patchy to banded chlorite-sericite-biotite alteration. 3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Moderate patchy epidote alteration with 1-2% blebby pyrite from 300.03-302m. Local 1-2 mm wide off-set fractures, filled with carbonate and sericite, cutting core at various angles (5-80 deg TCA). 1-2% minor cm-scale intermediate dykes observed. 1% minor cm-scale feldspar porphyry dykes observed. Sharp lower contact.

WZ-18-181	335.14	338.26	3.12	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite. 25% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and linedated. Sharp lower contact.
WZ-18-181	338.26	346.19	7.93	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (45 deg TCA) defined by banded alteration. Moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Sharp lower contact.
WZ-18-181	346.19	347.19	1	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (45 deg TCA) defined by moderate disseminated biotite. 25% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and linedated. Sharp lower contact.
WZ-18-181	347.19	364.96	17.77	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (45 deg TCA) defined by banded alteration. Moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Gradational lower contact.
WZ-18-181	364.96	408.33	43.37	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak foliation (45 deg TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite and weak patchy chlorite-sericite alteration. 3-5% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. 1 mm wide pyrite stringer cutting core at 80 deg TCA at 372.25m. 1-2% minor cm-scale feldspar porphyry dykes observed. Minor feldspar porphyry on sharp lower contact.
WZ-18-181	408.33	418.95	10.62	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (50 deg TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 5-10% mm-cm scale quartz-carb stringers, mostly parallel to fabric. 1-2% minor cm-scale intermediate dykes observed. Sharp lower contact.
WZ-18-181	418.95	427.61	8.66	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. Weak fracture-controlled epidote alteration. 35% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and linedated. Sharp lower contact.
WZ-18-181	427.61	438.44	10.83	4B	Feldspar Porphyry	Dark purplish-grey to light greyish-grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (40 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. Moderate patchy to fracture-controlled sericite alteration. Moderate patchy to fracture-controlled epidote alteration from 427.61-434m. 15% subhedral feldspar phenocrysts, up to 1-2 mm wide, moderately stretched and linedated. Sharp lower contact.
WZ-18-181	438.44	445.85	7.41	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak foliation (50 deg TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite and weak patchy chlorite-sericite alteration. 3-5% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	445.85	447.06	1.21	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. 25% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched and linedated. Sharp lower contact.
WZ-18-181	447.06	463.18	16.12	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Moderate foliation (50 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite and weak patchy chlorite-sericite alteration. 1-2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Gradational lower contact.
WZ-18-181	463.18	466.68	3.5	1ALT	Altered Mafic Volcanic	Dark grey to greenish-grey to brownish-grey, fine-grained pillowed mafic flow. Moderately sheared. Moderate foliation (45 deg TCA) defined by banded alteration and quartz-carb stringers. Moderate to strong patchy biotite-chlorite alteration. 5% disseminated and blebby pyrite (anhedral grains, up to 1mm wide, resembles pyrrhotite but is not magnetic), up to 15% concentrated in 28 cm-wide quartz vein. Gradational lower contact.
WZ-18-181	466.68	470.24	3.56	1ALT	Altered Mafic Volcanic	Dark grey, fine-grained pillowed mafic flow. Moderately sheared. Moderate foliation (45 deg TCA) defined by banded alteration and quartz-carb stringers. Moderate to strong patchy biotite and pervasive silicification alteration. 3-5% disseminated and blebby pyrite (anhedral grains, up to 1mm wide, resembles pyrrhotite but is not magnetic), Sharp lower contact.
WZ-18-181	470.24	471.28	1.04	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (45 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. 20% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched and linedated. Sharp lower contact.

WZ-18-181	471.28	477.26	5.98	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Moderate foliation (40 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite. 2-3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	477.26	479.86	2.6	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (35 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. Weak to moderate pervasive silicification and patchy sericite alteration. Feldspar phenocrysts are difficult to distinguish due to silicification and sericitization. Sharp lower contact.
WZ-18-181	479.86	509.61	29.75	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Moderate foliation (40 deg TCA) defined by a matrix of amphibole/biotite. Weakly to moderately magnetic, magnetite alteration? Moderate needly amphibole, disseminated biotite and patchy garnet alteration. 2-3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.
WZ-18-181	509.61	523.61	14	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Moderate foliation (45 deg TCA) defined by moderate disseminated biotite and feldspar phenocryst lineation. Moderate pervasive silicification and patchy sericite alteration. Feldspar phenocrysts are difficult to distinguish due to silicification and sericitization. Trace to 1% disseminated and blebby. Sharp lower contact.
WZ-18-181	523.61	582.09	58.48	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Moderate foliation (40 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite with weak patchy chlorite-sericite alteration. 2-3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 2% minor cm-scale feldspar porphyry dykes observed.
WZ-18-181	582.09	584.13	2.04	6E	Intermediate Dyke	Dark purplish-grey, fine- to medium-grained intermediate dyke. Moderate foliation (45 deg TCA) defined by needly amphibole in matrix. Moderate needly amphibole throughout unit. Sharp lower contact.
WZ-18-181	584.13	601.09	16.96	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Moderate foliation (50 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite with weak patchy chlorite-sericite alteration. 1-2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles.
WZ-18-181	601.09	603.28	2.19	6E	Intermediate Dyke	Dark purplish-grey, fine- to medium-grained intermediate dyke. Moderate foliation (40 deg TCA) defined by needly amphibole in matrix. Moderate needly amphibole throughout unit. 10-15% minor cm-scale intervals of massive mafic flow with contacts parallel to fabric. Sharp lower contact.
WZ-18-181	603.28	606.19	2.91	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak to moderate foliation (50 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite. Sharp lower contact.
WZ-18-181	606.19	613.62	7.43	6E	Intermediate Dyke	Dark purplish-grey, fine- to medium-grained intermediate dyke. Moderate foliation (40 deg TCA) defined by needly amphibole in matrix. Moderate needly amphibole and disseminated biotite throughout unit. Sharp lower contact.
WZ-18-181	613.62	635.42	21.8	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Weak to moderate foliation (30-40 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite. 7-8% minor cm-scale intermediate dykes observed. 1% minor cm-scale pegmatite dyke observed. Sharp lower contact.
WZ-18-181	635.42	638.94	3.52	6E	Intermediate Dyke	Dark purplish-grey, fine- to medium-grained intermediate dyke. Moderate foliation (15 deg TCA) defined by needly amphibole in matrix. Moderate needly amphibole and disseminated biotite throughout unit. Sharp lower contact.
WZ-18-181	638.94	673.32	34.38	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35-45 deg TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite-garnet alteration. 5% mm-cm scale quartz-carb stringers, mostly parallel to fabric. 7-8% disseminated and blebby pyrrhotite in a patchy alteration with minor quartz flooding from 668.94-669.16m. 1% minor cm-scale feldspar porphyry dykes observed. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	673.32	674.55	1.23	4B	Feldspar Porphyry	Purplish-grey, fine- to medium-grained feldspar porphyry. Moderate foliation (50 deg TCA) defined by moderate disseminated biotite. Moderate pervasive silicification and sericitization. Feldspar phenocrysts are difficult to distinguish due to silicification and sericitization. Sharp lower contact.
WZ-18-181	674.55	781.06	106.51	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (40 deg TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite-garnet alteration. 5% mm-cm scale quartz-carb stringers, mostly parallel to fabric. 1-2% minor cm-scale feldspar porphyry and intermediate dykes observed. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Gradational lower contact.

WZ-18-181	781.06	803	21.94	1B	Pillowed Flows	Dark greenish-grey to light green, fine-grained pillowed mafic flow. Moderate foliation (45 deg TCA) defined by banded alteration and quartz-carb stringers. Moderate to strong patchy to fracture-controlled epidote-sericite with weak to moderate patchy to banded chlorite-biotite alteration. Local weak hematite staining, or possible alkali feldspar alteration from a syenite down hole? 1% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local mm-cm scale off-set fractures, up to 1-2 mm wide, filled with carbonate and sericite, cutting core at various angles. 1-2% blebby pyrite, up to 2-3mm wide throughout unit associated with sericite-epidote alteration. 15-20% semi-massive to blebby pyrite, up to 2mm wide, in a patch of epidote-sericite alteration from 786.29-786.7m. Core is locally weakly to moderately broken. Broken lower contact.
WZ-18-181	803	806.49	3.49	5D	Syenite	Greyish-red to pinkish-grey, fine- to medium-grained syenite. Vuggy and moderately broken core from 803-804.93, difficult to distinguish it is altered mafic flow or altered syenite. Core is weakly broken from 804.93-806.49. Moderate fracture-controlled sericite alteration. Sharp lower contact.
WZ-18-181	806.49	821.12	14.63	1B	Pillowed Flows	Dark greenish-grey to light green, fine-grained pillowed mafic flow. Moderate foliation (50 deg TCA) defined by banded alteration and quartz-carb stringers. Moderate patchy to fracture-controlled epidote-sericite with weak to moderate patchy to banded chlorite-biotite and weak to moderate pervasive silicification alteration. Local weak hematite staining, or possible alkali feldspar alteration from a syenite? 5% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local mm-cm scale off-set fractures, up to 1-2 mm wide, filled with carbonate and sericite, cutting core at various angles. 5% blebby pyrrhotite and a 1 cm wide band of pyrrhotite from 820.25-820.6m. Core is locally weakly broken. Gradational lower contact.
WZ-18-181	821.12	830.9	9.78	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (40 deg TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 5% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Trace blebby pyrrhotite. Gradational lower contact.
WZ-18-181	830.9	832.82	1.92	1B	Pillowed Flows	Dark greenish-grey to light green, fine-grained pillowed mafic flow. Moderate foliation (45 deg TCA) defined by banded alteration and quartz-carb stringers. Moderate patchy to fracture-controlled epidote-sericite with weak pervasive silicification alteration. 3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local mm-cm scale off-set fractures, up to 1-2 mm wide, filled with carbonate and sericite, cutting core at various angles. Sharp lower contact
WZ-18-181	832.82	840.42	7.6	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey, fine- to medium-grained feldspar porphyry. Moderately sheared. Moderate foliation (50 deg TCA) defined by disseminated biotite. Moderate pervasive silicification and patchy to fracture-controlled sericite alteration. Trace to 1% disseminated and blebby pyrite/pyrrhotite throughout unit. 3-4% disseminated to blebby pyrite/pyrrhotite in minor quartz flooding from 832.82-833.9m. 2% minor cm-scale granodiorite dykes observed cutting porphyry. 10-15% feldspar phenocrysts, strongly stretched and lined. Sharp lower contact.
WZ-18-181	840.42	841.1	0.68	1ALT	Altered Mafic Volcanic	Dark grey to greenish-grey to dark-purplish grey, fine-grained pillowed mafic flow. Moderately to strongly sheared. Moderate to strong banded biotite-chlorite-sericite alteration. 2% disseminated and blebby pyrite/pyrrhotite throughout unit. Weak boudanaging of chlorite bands observed. 10% minor cm-scale bands of sheared and altered feldspar porphyry. Sharp lower contact.
WZ-18-181	841.1	842.23	1.13	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey, fine- to medium-grained feldspar porphyry. Moderately sheared. Moderate foliation (45 deg TCA) defined by disseminated biotite. Moderate pervasive silicification and patchy to fracture-controlled sericite alteration. Trace disseminated and blebby pyrite/pyrrhotite throughout unit. 10-15% feldspar phenocrysts, strongly stretched and lined. Sharp lower contact.
WZ-18-181	842.23	843.49	1.26	1ALT	Altered Mafic Volcanic	Dark grey to greenish-grey to dark-purplish grey, fine-grained pillowed mafic flow. Moderately to strongly sheared. Moderate to strong banded biotite-chlorite-sericite alteration. Trace disseminated and blebby pyrite/pyrrhotite throughout unit. Weak boudanaging of chlorite bands observed. 5-10% minor cm-scale bands of sheared and altered feldspar porphyry. Sharp lower contact.
WZ-18-181	843.49	859.89	16.4	1B	Pillowed Flows	Dark greenish-grey to light green, fine-grained pillowed mafic flow. Moderate foliation (50 deg TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-181	859.89	868.59	8.7	5B	Granodiorite	Light grey with some dark grey, fine to medium-grained granodiorite. Weak silicification. 20-25% disseminated fine-grained mafic minerals. Sharp lower contact.

WZ-18-181	868.59	900	31.41	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Weak to moderate foliation (50 deg TCA) defined by a matrix of amphibole/biotite. Moderate needly amphibole, disseminated biotite with weak patchy chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Moderate to strong pervasive to fracture-controlled sericitization and bleaching from 885.9-888.96m and 890.35-897.15m. Locally weak banded hematite staining.
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BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	462.16	463.16	1	783163	0.025	25		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	463.16	463.66	0.5	783164	0.005	5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	463.66	463.98	0.32	783165	0.007	7		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	463.98	465	1.02	783166	0.006	6		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	465	466	1	783167	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	466	466.68	0.68	783168	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	466.68	467.68	1	783169	0.015	15		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	OREAS 216				783170	6.61	6610		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	467.68	468.68	1	783171	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	468.68	469.68	1	783172	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	469.68	470.22	0.54	783173	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	470.22	471.22	1	783174	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-13512	20-Sep-18	15-Oct-18	Assay	518	519	1	783175	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	668.5	669.5	1	783176	0.017	17		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	785	786	1	783177	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	786	787	1	783178	0.017	17		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	787	788	1	783179	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Blank				783180	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	788	789	1	783181	0.006	6		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	789	790	1	783182	0.006	6		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	797	798	1	783183	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	798	799	1	783184	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	820	821	1	783185	0.008	8		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	829.9	830.9	1	783186	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	830.9	831.82	0.92	783187	0.011	11		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	831.82	832.82	1	783188	0.148	148		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	832.82	833.5	0.68	783189	3.93	3780	3.93	
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	OREAS 210				783190	5.4	5400		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	833.5	834	0.5	783191	3.68	3570	3.68	
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	834	835	1	783192	0.176	176		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	835	836	1	783193	0.071	71		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	836	837	1	783194	0.073	73		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	837	838	1	783195	0.013	13		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	838	839	1	783196	0.019	19		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	839	840	1	783197	0.056	56		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	840	840.42	0.42	783198	0.012	12		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	840.42	841.1	0.68	783199	0.102	102		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Blank				783200	0.0025	< 5		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	841.1	842.23	1.13	783201	0.012	12		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	842.23	842.78	0.55	783202	0.167	167		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	842.78	843.49	0.71	783203	0.021	21		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	843.49	844.49	1	783204	0.009	9		
WZ-18-181	Wolf Zone	Actlabs	A18-14333	02-Oct-18	17-Oct-18	Assay	844.49	845.49	1	783205	0.0025	< 5		



Hole Number:

WZ-18-187

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Sep-01-18	Sep-03-18	
<u>Planned Coordinates</u>		Azimuth:	53	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644713						
Northing	5408407	Dip:	-76	Dates Logged:	Start Date:	End Date:	
Elevation(m)	408				Sep-01-18	Sep-03-18	
<u>Final Pick up</u>		Depth(m):	408.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Infill drilling of the Wolf Zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		21.0	54.7	-73.2	56734		62.3
Results	Hole was wedged at 804m; dip was too steep.	51.0	55.4	-72.7	56188		63
		81.0	53.2	-72.6	56114		60.8
		111.0	53.5	-72.4	56077		61.1
		141.0	54.1	-72.3	55955		61.7
		171.0	53.4	-72.4	56262		61
		201.0	52.9	-72.3	56227		60.5
		231.0	50.3	-71.9	55856		57.9
		267.0	53.4	-71.9	54757		61
Comments		297.0	50.0	-71.5	56155		57.6
		333.0	52.2	-71.3	56387		59.8
		363.0	53.6	-71.5	56225		61.2
		393.0	52.8	-71.2	56176		60.4
				-7.6			
				-7.6			
				-7.6			
Azimuth corrected to 7.6 degrees west declination				-7.6			
				-7.6			
				-7.6			


BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-187	0	6	6	CAS	Casing	Casing
WZ-18-187	6	12.1	6.1	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Occasional pillow selvage formation.
WZ-18-187	12.1	15.2	3.1	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high foliation. Silica flooding from 12.42 to 12.7 associated with up to 2% po stringers. Increased biotite alteration (bands) from 14.5 to 15
WZ-18-187	15.2	16.46	1.26	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green sericite alteration along some healed fractures. Moderate foliation.
WZ-18-187	16.46	18.65	2.19	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Slight brecciated texture in the top 30cm of the unit caused by a series of healed fractures.
WZ-18-187	18.65	19.77	1.12	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green sericite alteration along some healed fractures. Moderate foliation.
WZ-18-187	19.77	28.8	9.03	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate.
WZ-18-187	28.8	36.3	7.5	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-187	36.3	44.4	8.1	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate.
WZ-18-187	44.4	45.6	1.2	6E	Intermediate Dyke	fg to mg, grey and white unit with an intermediate composition. Composed of mg mafics (amph/pyx) surrounded by finer grained plagioclase and biotite. Weak to Moderate foliation.
WZ-18-187	45.6	74.38	28.78	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate.
WZ-18-187	74.38	77.65	3.27	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially
WZ-18-187	77.65	89.46	11.81	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate.
WZ-18-187	89.46	108	18.54	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak to moderate foliation. Coarse grained mafic minerals suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially.
WZ-18-187	108	164.25	56.25	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation. Occasional intermediate dyke intersection.
WZ-18-187	164.25	176	11.75	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. High degree of fracturing from 170 to 171 (20+).
WZ-18-187	176	186.23	10.23	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187	186.23	192.44	6.21	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green sericite alteration along some healed fractures. Minor to Moderate foliation.



WZ-18-187	192.44	198.25	5.81	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187	198.25	208.46	10.21	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-187	208.46	210.45	1.99	1UT	Ultramafic Talc/Chlorite Altered	fg, grey to dark grey, mafic unit with a moderate to high degree of talc alteration throughout. Moderate to high magnetic properties. Unit is composed predominately of mafic minerals along with moderate to minor amounts of chlorite. Blocky core; Up to 5 fractures/meter. Moderate to high degree of talc alteration. Minor to no foliation.
WZ-18-187	210.45	212.7	2.25	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Occasional pillow selvage formation.
WZ-18-187	212.7	214.55	1.85	3D	Iron Formation	Fg, light grey and dark green banded unit composed predominately of alternating bands of silica and mafic minerals. Up to 4% sulphide stringers through out composed of predominately po stringers, and lesser py stringers.
WZ-18-187	214.55	235.3	20.75	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak to moderate foliation. Coarse grained mafic minerals suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially.
WZ-18-187	235.3	238.1	2.8	6E	Intermediate Dyke	mg, grey and white unit with an intermediate composition. Composed in equal parts of cg mafic (amp/pyx) and mg plagioclase. Minor amounts of biotite. Weak to Moderate foliation.
WZ-18-187	238.1	261	22.9	1UT	Ultramafic Talc/Chlorite Altered	fg, grey to dark grey, mafic unit with a moderate to high degree of talc alteration throughout. Moderate to high magnetic properties. Unit is composed predominately of mafic minerals along with moderate to minor amounts of chlorite. Blocky core; Up to 10 fractures/meter. Moderate to high degree of talc alteration. Minor to no foliation.
WZ-18-187	261	267.9	6.9	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Gradiational upper contact.
WZ-18-187	267.9	269.96	2.06	3D	Iron Formation	Fg, light grey and dark green banded unit composed predominately of alternating bands of silica and mafic minerals. Up to 4% sulphide stringers through out composed of predominately po stringers, and lesser py stringers. Foliation is highly variable.
WZ-18-187	269.96	272.6	2.64	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-187	272.6	274.6	2	6E	Intermediate Dyke	mg, grey and white unit with an intermediate composition. Composed in equal parts of cg mafic (amp/pyx) and mg plagioclase. Minor amounts of biotite. Weak to Moderate foliation. A few feldspar porphyry crystals intermittantly; possible 4B.
WZ-18-187	274.6	277.03	2.43	1UT	Ultramafic Talc/Chlorite Altered	fg, grey to dark grey, mafic unit with a moderate to high degree of talc alteration throughout. Moderate to high magnetic properties. Unit is composed predominately of mafic minerals along with moderate to minor amounts of chlorite. Blocky core; Up to 10 fractures/meter. Minor to no foliation. Faulting gauge and high degree of fracturing from 274.8 to 275.
WZ-18-187	277.03	282.32	5.29	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Mg mafic crystals suspended intermittantly throughout. Narrow diabase sections intersect the unit occasionally.
WZ-18-187	282.32	284.73	2.41	1UT	Ultramafic Talc/Chlorite Altered	fg, grey to dark grey, mafic unit with a moderate to high degree of talc alteration throughout. Moderate to high magnetic properties. Unit is composed predominately of mafic minerals along with moderate to minor amounts of chlorite. Blocky core; Up to 10 fractures/meter. Minor to no foliation.
WZ-18-187	284.73	286.5	1.77	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-187	286.5	289.15	2.65	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-187	289.15	335.67	46.52	7A	Diabase	fg to mg grey mafic unit with centimetric to millimetric sized white feldspar glomerophyes intermittently scattered throughout. Moderate magnetic properties throughout. Composed of predominately mafic minerals as well as a significant proportion of plagioclase. Unit coarsens slightly with depth and feldspar glomerophyes decrease in size and frequency.

WZ-18-187	335.67	352.13	16.46	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Occasional pillow selvage formations.
WZ-18-187	352.13	356.9	4.77	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation. Large blebby of py at 353.35m associated with a brecciated texture and quart infill.
WZ-18-187	356.9	358.08	1.18	6E	Intermediate Dyke	fg to mg light grey to grey unit with an intermediate composition. Unit composed predominately of fg feldspar and mafics with coarser grained mafics suspended intermittently throughout.
WZ-18-187	358.08	377.6	19.52	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187	377.6	380.81	3.21	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Mg mafics suspended intermittently throughout.
WZ-18-187	380.81	408	27.19	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Calcite / quartz veinlets associated with minor sulphides (<1%) intermittently. Narrow section of 4b from 396.95 to 397.13.
WZ-18-187	408	408	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-187	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	11.1	12.1	1	783129	0.0025	< 5		
WZ-18-187	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	OREAS 216			0	783130	6.71	6710		
WZ-18-187	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	12.1	13	0.9	783131	0.005	5		
WZ-18-187	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	13	14	1	783132	0.0025	< 5		

		Hole Number:		WZ-18-187W			
		Drill Rig:		HC-150-17			
		Claim Number:					
Location		Drill Hole Orientation		Dates Drilled:		Start Date:	End Date:
Surface						Sep-03-2018	Sep-11-2018
Planned Coordinates		Azimuth:		Drill Contractor:		Forages Chibougamau Ltée	
Easting	644713	Dip:		Dates Logged:		Start Date:	End Date:
Northing	5408407	-76		Sep-04-2018		Sep-12-2018	
Elevation(m)	408	Depth(m):		Logger 1:		Andrew Wehrfritz	
Final Pick up		972.00		Logger 2:		Geoff Podrucky	
Easting		Core Size:		Logger 3:		Jordan Keir-Sage	
Northing		NQ		Assay Lab:		Actlabs	
Elevation(m)							
Casing				Dip Tests			
Purpose of Hole		Infill Drilling of the Wolf Zone		Depth (m)	Az.	Dip	Mag
Results		913.2-930.36m: Sheared and altered feldspar porphyry and mafic flow with up to 5% pyrite/pyrrhotite.		21.0	54.7	-73.2	56734
Comments		Wedge at 403m. Cameron logged on Sept 09th 2018. Geoff logged from 971.3-972.00m.		51.0	55.4	-72.7	56188
Azimuth corrected to 7.6 degrees west declination				81.0	53.2	-72.6	56114
				111.0	53.5	-72.4	56077
				141.0	54.1	-72.3	55955
				171.0	53.4	-72.4	56262
				201.0	52.9	-72.3	56227
				231.0	50.3	-71.9	55856
				267.0	53.4	-71.9	54757
				297.0	50.0	-71.5	56155
				333.0	52.2	-71.3	56387
				363.0	53.6	-71.5	56225
				393.0	52.8	-71.2	56176
				423.0	53.3	-66.4	56056
				459.0	53.1	-63.4	56047
				489.0	53.9	-63.3	56102
				519.0	54.3	-63.2	55981
				549.0	55.4	-62.9	55987
				579.0	57.0	-62.6	55622
				609.0	54.6	-61.5	56123
				639.0	54.3	-60.9	56056
				669.0	54.7	-60.8	56060
				699.0	54.6	-60.7	56060
				729.0	54.7	-60.6	56352
				759.0	55.9	-60.5	56115
				789.0	55.7	-60.3	56380
				819.0	59.2	-58.3	56666
				849.0	59.9	-57.0	56149
				879.0	60.5	-56.7	56210
				909.0	60.8	-56.4	56220
				939.0	62.6	-56.1	55822
				969.0	61.0	-54.5	55937
							62.3
							63
							60.8
							61.1
							61.7
							61
							60.5
							57.9
							61
							57.6
							59.8
							61.2
							60.4
							60.9
							60.7
							61.5
							61.9
							63
							64.6
							62.2
							61.9
							62.3
							62.2
							62.3
							63.5
							63.3
							66.8
							67.5
							68.1
							68.4
							70.2
							68.6

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-187W	0	403.5	403.5			Previously drilled in WZ-18-187
WZ-18-187W	403.5	413.4	9.9	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and blebby sulphides (<<1%) associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	413.4	462.3	48.9	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Occasional pillow selvage formations.
WZ-18-187W	462.3	463.38	1.08	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures.
WZ-18-187W	463.38	482.84	19.46	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	482.84	486.52	3.68	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures. Moderate degree of silicification throughout.
WZ-18-187W	486.52	494.25	7.73	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	494.25	499.04	4.79	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Occasional pillow selvage formations.
WZ-18-187W	499.04	510.65	11.61	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures. Moderate degree of silicification throughout.
WZ-18-187W	510.65	525.7	15.05	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation. Three py stringers from .5cm to 1cm in thickness at 513.5; increased biotite in the meter surrounding these sulphides as well. Pillow selvage frequency degrades gradationally.
WZ-18-187W	525.7	528.05	2.35	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures.
WZ-18-187W	528.05	539.39	11.34	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-187W	539.39	540.82	1.43	6E	Intermediate Dyke	fg to mg, light grey to grey unit composed predominately of feldspar mafic minerals with lesser amounts of mafic minerals interstitially. Mg biotite and other mafics suspended intermittently throughout.
WZ-18-187W	540.82	609	68.18	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Moderate foliation. Frequent quartz stringers from 550 to 560; no sulphides. Millimetric sized garnets suspended throughout from 566m to 580m. Narrow section of granodiorite from 600.78 to 600.96. Gradational lower contact.
WZ-18-187W	609	673.03	64.03	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. Weak to moderate foliation. Coarser grained mafic minerals are generally suspended in a finer mafic and feldspar ground mass. Intermittent calcite and quartz stringers.
WZ-18-187W	673.03	675.58	2.55	6E	Intermediate Dyke	fg to mg, light grey to grey unit composed predominately of fg feldspar and fg mafic minerals with coarser mafic minerals suspended. Mg biotite and other mafics suspended throughout.
WZ-18-187W	675.58	684.54	8.96	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. Weak to moderate foliation. Coarser grained minerals are generally mafic in composition and suspended in a finer mafic and feldspar ground mass. Intermittent calcite and quartz stringers. Some biotite alteration from 628 to 628.5m. Some sections appear borderline massive mafic flow.
WZ-18-187W	684.54	686.6	2.06	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures.

WZ-18-187W	686.6	715.28	28.68	1A	Massive Flows	Dark grey to dark green unit composed primarily of fg to mg mafics with a lesser amount of coarse grained mafics. Weak to moderate foliation. Intermittent calcite and quartz stringers. Minor amounts of interstitial biotite alteration from 708 to 709m.
WZ-18-187W	715.28	729.24	13.96	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and some millimetric garnet associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	729.24	738.45	9.21	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Moderate foliation.
WZ-18-187W	738.45	740.87	2.42	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding some healed fractures.
WZ-18-187W	740.87	844.55	103.68	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation. Increased biotite/chlorite/epidote banding from 742 to 743. Py stringer at 754.1 (<<1% overall). White massive veining 3 to 25 cm width with minor chloritic clotting and biotite/chl altered margins, 40TCA along foliation. A few patches including from 810 to 810.4 m showing skarn type alteration with garnet epidote pyroxene (serpentine?). po stringer at 893.9.
WZ-18-187W	844.55	899	54.45	5B	Granodiorite	mg, light grey unit composed predominately of feldspar with biotite speckling; lesser amounts of quartz, and other mafics. Mechanical fracturing from 896 to 897m.
WZ-18-187W	899	913.2	14.2	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and some millimetric garnet associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	913.2	918.56	5.36	4ALT	Altered Feldspar Porphyry	Purplish grey, fine grained to medium grained altered feldspar. Bands of brown biotite and carbonates. 15% sulphides between PY/PO/CP. Most of the sulphides are belbby in bands following the shearing/foliation. Large bleb of PO/CP near lower contact
WZ-18-187W	918.56	920.7	2.14	1ALT	Altered Mafic Volcanic	Moderately Altered mafic flow; fine to medium grained predominately dark green unit with some brown and grey banding; moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and biotite alteration creating occasional thin brown bands 5% PY/PO in blebs following foliation
WZ-18-187W	920.7	924.03	3.33	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Bands of biotiteModerate foliation.
WZ-18-187W	924.03	927.88	3.85	4ALT	Altered Feldspar Porphyry	fine to medium grained grey unit, purplish grey moderate to heavy silicification. Fg silica based ground mass that contains highly strained and elongated feldspar phenocrysts; oderate frequency of light green sericite alteration halos along healed fractures. 5% disseminated sulphides (py/po) following foliation
WZ-18-187W	927.88	928.46	0.58	1ALT	Altered Mafic Volcanic	Moderately Altered mafic flow; fine to medium grained predominately dark green unit with some brown and grey banding; moderate to high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and biotite alteration creating occasional thin brown bands 1-2% PY/PO in blebs following foliation
WZ-18-187W	928.46	930.36	1.9	4ALT	Altered Feldspar Porphyry	fine to medium grained grey unit, purplish grey moderate to heavy silicification. Fg silica based ground mass that contains highly strained and elongated feldspar phenocrysts; oderate frequency of light green sericite alteration halos along healed fractures. 1% disseminated sulphides (py/po) following foliation
WZ-18-187W	930.36	938.62	8.26	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and some millimetric garnet associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-187W	938.62	939.98	1.36	5B	Granodiorite	fine to medium grained, light grey unit composed predominately of feldspar with biotite speckling; lesser amounts of quartz, and other mafics.
WZ-18-187W	939.98	964.65	24.67	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and some millimetric garnet associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.

WZ-18-187W	964.65	972	7.35	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially. Bands of biotiteModerate foliation.
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BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-187W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	512.5	513.3	0.8	783133	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	513.3	513.9	0.6	783134	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	513.9	515	1.1	783135	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	911.2	912.2	1	783136	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	912.2	913.2	1	783137	0.102	102		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	913.2	914.2	1	783138	2.18	2180		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	914.2	915.2	1	783139	1.79	1790		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Blank				783140	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	915.2	916.2	1	783141	0.141	141		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	916.2	917.2	1	783142	0.343	343		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	917.2	918.2	1	783143	0.998	998		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	918.2	918.56	0.36	783144	0.241	241		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	918.56	919.56	1	783145	0.062	62		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	919.56	920	0.44	783146	0.053	53		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	920	920.7	0.7	783147	0.06	60		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	920.7	921.7	1	783148	0.03	30		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	921.7	922.7	1	783149	0.006	6		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	OREAS 210				783150	5.52	5520		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	922.7	923.7	1	783151	0.165	165		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	923.7	924.03	0.33	783152	0.175	175		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	924.03	925.03	1	783153	1.04	1040		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	925.03	926.03	1	783154	0.562	562		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	926.03	927.03	1	783155	0.252	252		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	927.03	927.88	0.85	783156	0.898	898		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	927.88	928.46	0.58	783157	0.137	137		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	928.46	929.46	1	783158	0.007	7		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	929.46	930.36	0.9	783159	0.007	7		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Blank				783160	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	930.36	931.36	1	783161	0.0025	< 5		
WZ-18-187W	Wolf Zone	Actlabs	A18-12949	13-Sep-18	14-Sep-18	Assay	931.36	932.36	1	783162	0.0025	< 5		





Hole Number:

WZ-18-188W

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Sept-04-2018	Sept-07-2018	
<u>Planned Coordinates</u>		Azimuth:	54	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644670						
Northing	5408501	Dip:	-77	Dates Logged:	Start Date:	End Date:	
levation(m)	408				Sept-05-2018	Sept-08-2018	
<u>Final Pick up</u>		Depth(m):	714.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
levation(m)				Assay Lab:	Actlabs		
Casing				<b>Dip Tests</b>			
Purpose of Hole	Infill drilling of the Wolf Zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		24.0	58.8	-76.9	56275		66.4
		54.0	62.6	-75.9	55789		70.2
Results	Hole was wedged due to excessively steep deep	84.0	56.3	-75.6	55538		63.9
		114.0	57.2	-75.2	55558		64.8
		144.0	57.7	-75.2	55757		65.3
		174.0	26.9	-74.6	55715		34.5
		204.0	56.8	-74.3	55721		64.4
		234.0	59.1	-73.8	56416		66.7
		264.0	58.5	-73.7	56636		66.1
Comments		309.0	53.3	-72.8	56292		60.9
		339.0	56.9	-72.8	56377		64.5
		369.0	56.4	-72.5	56450		64
		399.0	54.6	-72.0	56014		62.2
		429.0	55.1	-71.6	56083		62.7
		459.0	54.5	-70.8	56044		62.1
		489.0	53.8	-70.9	55878		61.4
Azimuth corrected to 7.6 degrees west declination		519.0	54.8	-71.1	55745		62.4
		552.0	50.5	-70.7	53603		58.1
		570.0	58.1	-68.2	56019		65.7
		574.5	44.8	-68.0	55972		52.4
		582.0	56.0	-67.3	56427		63.6
		612.0	56.0	-66.9	55597		63.6
		642.0	56.4	-66.9	56020		64
		672.0	54.8	-66.5	55982		62.4
702.0	55.0	-66.6	55940		62.6		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-188W	0	531.41	531.41			Previously drilled in WZ-18-188
WZ-18-188W	531.41	541.5	10.09	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-188W	541.5	547.15	5.65	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-188W	547.15	562.03	14.88	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate foliation.
WZ-18-188W	562.03	563.44	1.41	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-188W	563.44	569.95	6.51	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-188W	569.95	578.68	8.73	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout. Moderate to high degree of foliation. High degree of biotite alteration (banded texture) from 570.05 to 572, minor disseminated and blebby py associated with this alteration (<1%). Quartz vein from 570.05 to 570.16 with 4% py and po stringers.
WZ-18-188W	578.68	588.14	9.46	4B	Feldspar Porphyry	fg to mg, grey unit with a purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures. Intermittent sections of light grey to pink intrusions throughout.
WZ-18-188W	588.14	666	77.86	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; majority of the unit is massive in texture. Lesser amounts of grey feldspar interstitially.
WZ-18-188W	666	714	48	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak to moderate foliation. Coarse grained minerals are generally mafic suspended in a finer mafic/feldspar ground mass. Intermittent calcite and quartz stringers. Increased fracturing from 645m to 648m. Quartz veinlet from 663.4 to 663.45
WZ-18-188W	714	714	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-188W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	569	569.95	0.95	787061	0.027	27		
WZ-18-188W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	569.95	571	1.05	787062	0.0025	< 5		
WZ-18-188W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	571	571.5	0.5	787063	0.0025	< 5		
WZ-18-188W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	571.5	572.5	1	787064	0.0025	< 5		
WZ-18-188W	Wolf Zone	Actlabs	A18-12593	10-Sep-18	01-Oct-18	Assay	572.5	573.5	1	787065	0.0025	< 5		



Hole Number:

WZ-18-188W3

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					16-Sep-2018	21-Sep-2018	
Planned Coordinates		Azimuth:	54	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644670						
Northing	5408501	Dip:	-77	Dates Logged:	Start Date:	End Date:	
levation(m)	408				17-Sep-2018	22-Sep-2018	
Final Pick up		Depth(m):	795.00	Logger 1:	Geoff Podrucky		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
levation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Infill drilling of the wolf Zone to bring from inferred to indicated.	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		24.0	58.8	-76.9	56275		66.4
		54.0	62.6	-75.9	55789		70.2
Results	Insignificant lift, another wedge was put in at 700m. No samples.	84.0	56.3	-75.6	55538		63.9
		114.0	57.2	-75.2	55558		64.8
		144.0	57.7	-75.2	55757		65.3
		174.0	26.9	-74.6	55715		34.5
		204.0	56.8	-74.3	55721		64.4
		234.0	59.1	-73.8	56416		66.7
		264.0	58.5	-73.7	56636		66.1
Comments	Wedge at 408.5m and 596m. No samples	309.0	53.3	-72.8	56292		60.9
		339.0	56.9	-72.8	56377		64.5
		369.0	56.4	-72.5	56450		64
		399.0	54.6	-72.0	56014		62.2
		429.0	55.1	-71.6	56083		62.7
		459.0	54.5	-70.8	56044		62.1
		489.0	53.8	-70.9	55878		61.4
Azimuth corrected to 7.6 degrees west declination		519.0	54.8	-71.1	55745		62.4
		552.0	50.5	-70.7	53603		58.1
		570.0	58.1	-68.2	56019		65.7
		574.5	44.8	-68.0	55972		52.4
		582.0	56.0	-67.3	56427		63.6
		613.0	58.3	-63.8	53539		65.9
		643.5	57.0	-63.8	56002		64.6
		667.5	56.7	-63.6	56139		64.3
		694.5	56.2	-63.4	56142		63.8
		720.0	56.2	-63.3	56256		63.8
735.0	55.0	-62.6	56383		62.6		
759.0	55.0	-62.2	56325		62.6		
783.0	53.7	-61.9	56472		61.3		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-188W3	0	408.5	408.5			Previously drilled in WZ-18-188
WZ-18-188W3	408.5	596	187.5			Previously drilled in WZ-18-188W
WZ-18-188W3	596	638.76	42.76	1A	Massive Flows	Dark grey, fine- to medium-grained massive flow. Locally weakly to moderately magnetic. Weak to moderate foliation (45 deg TCA) defined by the matrix of amphibole/biotite. Moderate needly amphibole, patchy garnet and disseminated biotite with weak patchy chlorite-sericite alteration. 3-5% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Gradational lower contact.
WZ-18-188W3	638.76	726.86	88.1	1A	Massive Flows	Dark grey, fine- to coarse-grained massive flow. Weak to moderate foliation (40 deg TCA) defined by the matrix of amphibole/biotite. Moderate needly amphibole and disseminated biotite with weak patchy chlorite-sericite alteration. 2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. 1-2% minor cm-scale feldspar porphyry and granodiorite dykes observed. Sharp lower contact.
WZ-18-188W3	726.86	728.37	1.51	4B	Feldspar Porphyry	Purplish-grey, fine- to medium-grained feldspar porphyry. Moderate foliation (45 deg TCA) defined by moderate disseminated biotite. Moderate pervasive silicification and patchy to fracture-controlled sericitization. Feldspar phenocrysts are difficult to distinguish due to silicification and sericitization. Sharp lower contact.
WZ-18-188W3	728.37	781.42	53.05	1A	Massive Flows	Dark grey, fine- to medium-grained massive flow. Weak to moderate foliation (45 deg TCA) defined by the matrix of amphibole/biotite. Moderate needly amphibole, patchy garnet and disseminated to patchy biotite with weak patchy chlorite-sericite-silicification alteration. 2-3% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. 5% disseminated and blebby pyrrhotite from 733.25-733.3m.
WZ-18-188W3	781.42	795	13.58	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35-40 deg TCA) defined by banded alteration and quartz-carb stringers. Weak patchy to banded chlorite-sericite-biotite alteration. 5% mm-cm scale quartz-carb stringers, mostly parallel to fabric.





<b>Hole Number:</b>	<b>WZ-18-197W</b>
<b>Drill Rig:</b>	HC-150-19
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					Dec-04-2018	Dec-11-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	30	<b>Drill Contractor:</b>	Forages Chibougamau Ltée	
<b>Easting</b>	645093	<b>Dip:</b>	-82	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407835			Dec-05-2018	Dec-12-2018	
<b>Elevation(m)</b>	415.19					
<u>Final Pick up</u>		<b>Depth(m):</b>	963.00	<b>Logger 1:</b>	Andrew Wehrfritz	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>	
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<b>Purpose of Hole</b>	Infill Drilling of Middle zone to bring zone from inferred to indicated mineral confidence.	<b>Dip Tests</b>					
		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	Wedge was damaged when switching to two hexagonal core barrels. Wedge was reset as WZ-18-179W2.	0.0	34.6	-82.5	0	Planned	42.2
		20.0	34.6	-82.5	5672		42.2
		51.0	31.4	-82.6	5640	6m stab 1	39
		84.0	32.2	-82.6	5636		39.8
		114.0	30.4	-82.3	5624	at 114 6m	38
		144.0	36.8	-81.1	5602		44.4
		177.0	32.9	-80.7	5607		40.5
		207.0	31.8	-80.5	5601		39.4
		240.0	35.4	-81.1	5600		43
		270.0	37.3	-80.7	5591		44.9
<b>Comments</b>		300.0	32.3	-80.4	5603	at 303 6" s	39.9
		330.0	33.6	-79.5	5592		41.2
		360.0	38.0	-79.4	5598		45.6
		393.0	38.4	-79.8	5613		46
		423.0	34.2	-79.5	5644		41.8
		453.0	36.0	-79.3	5661	suspect az	60.5
		483.0	36.0	-79.1	5407	low mag az	54.8
		507.0	36.0	-76.3	55365		45.7
		537.0	36.0	-72.3	56632		50.7
		558.0	36.0	-71.6	56892		50.8
589.0	36.0	-71.1	57292		51.2		
618.0	42.9	-70.4	57012		50.5		
651.0	44.6	-69.6	56183		52.2		
681.0	45.0	-68.3	56323		52.6		
711.0	44.0	-67.7	56368		51.6		
741.0	41.2	-67.8	55955		48.8		
771.0	43.5	-67.2	56684		51.1		
801.0	44.3	-67.0	56920		51.9		
831.0	45.9	-67.0	56107		53.5		
861.0	45.4	-66.5	56195		53		
891.0	47.5	-64.9	56240		55.1		
921.0	47.4	-62.5	56339		55		
951.0	46.5	-61.7	56359		54.1		

**Azimuth corrected to 7.6 degrees west declination**

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-197W	0	495.06	495.06			Previously Drilled in WZ-18-197
WZ-18-197W	495.06	501	5.94	1U	Ultramafic Flows	fg to mg, light grey dark grey mafic unit with a minor degree of talc alteration throughout. Moderate to strong magnetic properties. Unit is composed predominately of mafic minerals with narrow two narrow felsic intrusions at 496 and 496.9.
WZ-18-197W	501	505.3	4.3	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase as well. Unit coarsens within areas and contains a variable amount of chlorite alteration. Calcite wisps intermittently. Gradational contact from upper ultramafic unit; moderate to strong magnetic properties.
WZ-18-197W	505.3	506.82	1.52	3D	Iron Formation	fg, light grey to dark green banded unit. Unit alternates between light grey felsic bands and dark green to black mafic bands. Darker mafic layers contain a significant amounts of magnetite which exhibit very high magnetic properties. Millimetric sized garnets suspended within some darker mafics. approximately .5% sulphide stringers throughout.
WZ-18-197W	506.82	515.64	8.82	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially as well. Calcite/quartz wisps intermittently.
WZ-18-197W	515.64	519.5	3.86	1UT	Ultramafic Talc/Chlorite Altered	fg to mg, light grey dark grey mafic unit with a moderate to high degree of talc alteration throughout. Moderate to strong magnetic properties.
WZ-18-197W	519.5	521.75	2.25	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially as well. Calcite/quartz wisps intermittently.
WZ-18-197W	521.75	523.26	1.51	3D	Iron Formation	fg, light grey to dark green banded unit. Unit alternates between light grey felsic bands and dark green to black mafic bands. Millimetric sized garnets suspended within some darker mafics. approximately 3% sulphide stringers throughout. Bands oriented at 25 dtca.
WZ-18-197W	523.26	534.4	11.14	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially as well. Calcite/quartz wisps intermittently.
WZ-18-197W	534.4	540.81	6.41	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Up to 1% disseminated sulphides throughout. Moderate frequency of Smokey quartz stringers, veinlets and veins associated with some blebby sulphides. Quartz veins from 536.27 to 536.6, and 537.28 to 537.48 with approx. 1-2% sulphides.
WZ-18-197W	540.81	591.7	50.89	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Several iron formation subunits intersect the unit from 541.7 to 542.14, 545.18 to 545.5, and 550.76 to 551.72. The lower iron formation subunit contains up to 5% sulphide stringers (predominately po with lesser cpy and py) as well as a purple hue and high degree of silicification.
WZ-18-197W	591.7	598.45	6.75	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Up to .25% disseminated sulphides throughout. Occasional Smokey quartz stringers, veinlets and veins. Moderate magnetic properties throughout.
WZ-18-197W	598.45	599.69	1.24	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote.
WZ-18-197W	599.69	601.3	1.61	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Light green alteration halos surround some healed fractures.
WZ-18-197W	601.3	622.5	21.2	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Occasional sulphide stringer (<<1%).
WZ-18-197W	622.5	651	28.5	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially as well. Calcite/quartz wisps intermittently throughout. Pillowed texture and light green alteration bands occasionally in sections.
WZ-18-197W	651	665.68	14.68	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout.



WZ-18-197W	665.68	667.11	1.43	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with a high degree of silicification as well as minor amounts of fg biotite disseminated throughout Millimetric sized highly strained and elongated feldspar phenocrysts scattered throughout.
WZ-18-197W	667.11	674.77	7.66	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout.
WZ-18-197W	674.77	675.8	1.03	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with a high degree of silicification as well as minor amounts of fg biotite disseminated throughout Millimetric sized highly strained and elongated feldspar phenocrysts scattered throughout.
WZ-18-197W	675.8	758.7	82.9	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. High frequency of Calcite/quartz wisps throughout; approximately 5% of the unit in total. Some sections contain a brecciated texture. Higher degree of calcite and quartz from 687 to 689m associated with a strong brecciated texture.
WZ-18-197W	758.7	785.04	26.34	7A	Diabase	mg, dark grey mafic unit with moderate to strong magnetic properties. Unit is composed predominately of mg mafic minerals with approx. 25% lighter grey feldspar interstitially throughout. Millimetric to centimetric sized white feldspar glomerophyres are scattered intermittently throughout.
WZ-18-197W	785.04	800.48	15.44	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. occasional Calcite/quartz wisps throughout.
WZ-18-197W	800.48	801.49	1.01	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with a low to moderate degree of silicification as well as minor amounts of fg biotite disseminated throughout. Millimetric sized highly strained and elongated feldspar phenocrysts scattered throughout. High frequency of light green alteration halos surrounding healed fractures.
WZ-18-197W	801.49	802.9	1.41	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor portion of fg plagioclase interstitially. Occasional Calcite/quartz wisps throughout. Minor amounts of disseminated sulphides throughout.
WZ-18-197W	802.9	852	49.1	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate frequency of calcite veinlets, wisps and stringers throughout. Minor amounts of quartz flooding from 812 to 812.45 and 821.55 to 822 associated with up to 1% po stringers. Millimetric sized garnets associated with some pillow selvages.
WZ-18-197W	852	870.7	18.7	6B	Gabbro	mg to cg, dark green mafic unit with a massive texture. Unit is composed predominately of mafic minerals with lesser amounts of fg feldspar interstitially. Quartz flooding from 862.8 to 863.43m
WZ-18-197W	870.7	944	73.3	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate frequency of calcite veinlets, wisps and stringers throughout. Millimetric sized garnet associated with some pillow selvages. Narrow sections of granodiorite from 899.12 to 899.4. Narrow section of feldspar porphyry 424.21m to 424.26m. Some quartz flooding from 925.15m to 925.62m associated with up to 2% po stringers.
WZ-18-197W	944	963	19	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor portion of fg plagioclase interstitially. Occasional Calcite/quartz wisps throughout. Feldspar porphyry units intersect intermittently. Series of quartz stringers from 959 to 959.
WZ-18-197W	963	963	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	534	534.4	0.4	787285	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	534.4	535	0.6	787286	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	535	535.7	0.7	787287	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	535.7	536.27	0.57	787288	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	536.27	536.6	0.33	787289	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	OREAS 210				787290	5.3	5300		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	536.6	537.48	0.88	787291	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	537.48	538	0.52	787292	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	538	539	1	787293	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	539	540	1	787294	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	540	540.84	0.84	787295	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	540.84	541.7	0.86	787296	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	541.7	542.14	0.44	787297	0.022	22		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	542.14	543	0.86	787298	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	550	550.76	0.76	787299	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Blank			0	787300	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	550.76	551.72	0.96	787301	0.008	8		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	551.72	552.5	0.78	787302	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	821	821.55	0.55	787303	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	821.55	822	0.45	787304	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	822	823	1	787305	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	811.12	812	0.88	787306	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	812	812.45	0.45	787307	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	812.45	813	0.55	787308	0.0025	< 5		
WZ-18-197W	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	924	925	1	787309	0.006	6		
WZ-18-197W	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	OREAS 215				787310	3.14	3140		
WZ-18-197W	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	925	925.62	0.62	787311	0.067	67		
WZ-18-197W	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	925.62	926.45	0.83	787312	0.01	10		



Hole Number:

WZ-18-197W2

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Dec-11-2018	Jan 20 2019	
Planned Coordinates		Azimuth:	30	Drill Contractor:	Forages Chibougamau Ltée		
Easting	645093				Dip:	-82	Dates Logged:
Northing	5407835	Dec-12-2018	Jan 20 2019				
Elevation(m)	415.19	Depth(m):	1148.00	Logger 1:	Andrew Wehrfritz		
Final Pick up				Logger 2:			
Easting		Core Size:	NQ	Logger 3:			
Northing				Assay Lab:	Actlabs		
Elevation(m)							
Casing							
Purpose of Hole	Infill Drilling of Middle zone to bring zone from inferred to indicated mineral confidence.	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Main mineralized zone intersected from 1093.73 to 1105.89 alternating between 1ALT and 4ALT; 20 specs of vg in a mineralized quartz vein at 1099.54. Weaker alteration zone (1ALT) intersected from 964.8 to 967.8.	0.0	34.6	-82.5	0	Planned	42.2
		20.0	34.6	-82.5	5672		42.2
		51.0	31.4	-82.6	5640	6m stab 1	39
		84.0	32.2	-82.6	5636		39.8
		114.0	30.4	-82.3	5624	at 114 6m	38
		144.0	36.8	-81.1	5602		44.4
		177.0	32.9	-80.7	5607		40.5
		207.0	31.8	-80.5	5601		39.4
		240.0	35.4	-81.1	5600		43
		270.0	37.3	-80.7	5591		44.9
Comments	Dec 16th 2018: Driller error occurred at 529m. All values from beginning of hole to 529m had 15 meters added. Log, sample books and blocks were changed and updated accordingly.	300.0	32.3	-80.4	5603	at 303 6" s	39.9
		330.0	33.6	-79.5	5592		41.2
		360.0	38.0	-79.4	5598		45.6
		393.0	38.4	-79.8	5613		46
		423.0	34.2	-79.5	5644		41.8
		453.0	36.0	-79.3	5661	suspect az	60.5
		483.0	36.0	-79.1	5407	low mag az	54.8
		510.0	62.4	-75.4	55797		70
		543.0	51.2	-74.7	58113		58.8
		573.0	43.6	-74.5	57057		51.2
604.5	43.8	-74.3	56916		51.4		
636.0	43.5	-73.9	55005		51.1		
666.0	44.8	-73.4	57663		52.4		
696.0	43.9	-73.4	57128		51.5		
756.0	44.5	-71.8	56854		52.1		
783.0	45.1	-71.1	56531		52.7		
789.0	45.2	-71.0	56909		52.8		
816.0	43.6	-70.9	57382		51.2		
840.0	44.2	-68.9	57087		51.8		
852.0	45.0	-68.1	57098		52.6		
870.0	47.3	-66.0	57313		54.9		
888.0	46.7	-64.3	56842		54.3		
910.0	47.3	-62.7	56779		54.9		
975.0	48.7	-62.0	57026		56.3		
1005.0	49.3	-61.7	56415		56.9		
1035.0	48.7	-61.0	56296		56.3		
1065.0	53.6	-61.4	54933		61.2		
1095.0	50.8	-61.1	56105		58.4		
1128.0	49.9	-61.2	56303		57.5		
Azimuth corrected to 7.6 degrees west declination							

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-197W2	0	510	510			Previously drilled in WZ-18-197
WZ-18-197W2	510	515.3	5.3	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	515.3	520.5	5.2	1U	Ultramafic Flows	fg grey unit mafic unit with a massive texture. Unit contains moderate to strong magnetic properties throughout and pervasive talc alteration. High degree of fracturing (20+) from 502m to 503.5m with some evidence of fault gauging.
WZ-18-197W2	520.5	523.1	2.6	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Moderate to strong magnetic properties throughout.
WZ-18-197W2	523.1	524.1	1	3D	Iron Formation	fg, light grey to dark green banded unit. Unit alternates between light grey felsic bands and dark green to black mafic bands. Millimetric sized garnets suspended within some darker mafics. Up to 2% sulphide stringers throughout.
WZ-18-197W2	524.1	536.7	12.6	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Moderate to strong magnetic properties throughout. Minor section of fracturing at 809.5m
WZ-18-197W2	536.7	542.33	5.63	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Up to 1% disseminated sulphides throughout. Occasional Smokey quartz stringers, veinlets and veins; sulphides associated with these.
WZ-18-197W2	542.33	554.05	11.72	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	554.05	555.06	1.01	3D	Iron Formation	fg, light grey to dark green banded unit. Unit alternates between light grey felsic bands and dark green to black mafic bands. Some bands contain a purple hue. Up to 4% sulphide stringers throughout.
WZ-18-197W2	555.06	571.18	16.12	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	571.18	584.5	13.32	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Narrow section containing fracturing (5+) from 563.6 to 563.7
WZ-18-197W2	584.5	585.68	1.18	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-18-197W2	585.68	604.14	18.46	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout.
WZ-18-197W2	604.14	614.37	10.23	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-18-197W2	614.37	615.78	1.41	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Narrow biotite banding occurs intermittently throughout as well.
WZ-18-197W2	615.78	616.7	0.92	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized lightly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-18-197W2	616.7	636.5	19.8	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Narrow biotite banding occurs intermittently throughout as well. Narrow section of an intermediate dyke from 615.3m to 615.5m.

WZ-18-197W2	636.5	672.06	35.56	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Minor amounts of felsic/granitic flooding from 625.16 to 626. Moderate degree of fracturing (5+/m) from 622.5 to 624.
WZ-18-197W2	672.06	696.44	24.38	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Narrow biotite banding occurs intermittently throughout as well. Minor amounts of biotite banding intermittently throughout.
WZ-18-197W2	696.44	697.72	1.28	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a slight purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 20% of the unit. Occasional Smokey quartz stringers, veinlets and veins. Moderate degree of fracturing in areas ( 5+ fractures per meter)
WZ-18-197W2	697.72	704.16	6.44	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to high frequency of calcite veinlets, wisps and stringers throughout. Narrow biotite banding occurs intermittently throughout as well. Minor amounts of biotite banding intermittently throughout. From 683.64 to 684.64 biotite banding and light green alteration bands increase in frequency and are associated with moderate amounts of quartz flooding and minor sulphides (approx. 1% in this interval)
WZ-18-197W2	704.16	706.5	2.34	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	706.5	707.5	1	QV	Quartz Vein	cg, white, quartz vein with minor amounts of mafic fragments suspended throughout. Barren.
WZ-18-197W2	707.5	778.74	71.24	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Moderate magnetic properties. Some sections appear gabbroic in texture.
WZ-18-197W2	778.74	780.36	1.62	4E	Pegmatite	cg to vcg, light grey to pink felsic unit with a massive texture. Unit is composed predominately of pink k spar with lesser amounts of plagioclase, along with Smokey quartz and muscovite.
WZ-18-197W2	780.36	783.27	2.91	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Moderate magnetic properties.
WZ-18-197W2	783.27	813	29.73	7A	Diabase	fg to mg, dark grey mafic unit with a glomerophyres texture. Unit is composed predominately of mafic minerals with up to 5% millimetric to centimetric feldspar glomerophyres. A significant portion of grey plagioclase interstitially as well. Disseminated magnetite; moderate to strong magnetic properties throughout.
WZ-18-197W2	813	849.04	36.04	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Moderate magnetic properties. Undulating Foliation from 835.5 to 836.
WZ-18-197W2	849.04	850.2	1.16	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized highly strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins. Light green alteration halos surround healed fractures.
WZ-18-197W2	850.2	851.5	1.3	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Minor magnetic properties.
WZ-18-197W2	851.5	862.17	10.67	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Narrow section of iron formation from 860.9 to 861.09 with up to .5% sulphide stringers.
WZ-18-197W2	862.17	868.5	6.33	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	868.5	888.42	19.92	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.

WZ-18-197W2	888.42	901	12.58	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Unit coarsens gradationally with depth.
WZ-18-197W2	901	918	17	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of fg mafics with medium to cg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-18-197W2	918	936.4	18.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Minor amount of quartz stringers at 922.8m. Increased biotite banding and alteration from 929 to 929.3. Narrow section of granodiorite from 934.8 to 935m
WZ-18-197W2	936.4	945	8.6	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Quartz vein from 941.22 to 941.34.
WZ-18-197W2	945	964.8	19.8	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.
WZ-18-197W2	964.8	967.8	3	1ALT	Altered Mafic Volcanic	fg, dark grey, green and brown mafic unit with a banded texture. Unit is composed predominately of amph/pyroxenes with thin brown biotite banding and lighter green chlorite alteration throughout. Minor amounts of quartz flooding associated with up to 1% sulphide wisps. Two narrow sections of 4ALT intersect the unit as well from 966.66 to 966.8m and 966.06 to 966.21.
WZ-18-197W2	967.8	982.22	14.42	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.
WZ-18-197W2	982.22	1006.33	24.11	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Quartz flooding from 982.5 to 982.8m.
WZ-18-197W2	1006.33	1018.9	12.57	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of fg mafics with medium to cg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-18-197W2	1018.9	1043.62	24.72	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	1043.62	1064.84	21.22	7A	Diabase	fg to mg, grey mafic unit with a glomerophyres texture. Unit is composed predominately of mafics with a portion of plagioclase as well. Millimetric to centimetric feldspar glomerophyres suspended occasionally throughout; make up approx. 5% of the unit. Moderate to high magnetic properties throughout.
WZ-18-197W2	1064.84	1068.13	3.29	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout.
WZ-18-197W2	1068.13	1078.79	10.66	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout. Narrow section of light grey granite from 1076.6 to 1076.7m
WZ-18-197W2	1078.79	1093.73	14.94	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Series of py and po stringers at 1080 and 1082m; approx. 1% of the unit overall.
WZ-18-197W2	1093.73	1099.54	5.81	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. Higher degree of banding and silica alteration from 1094.33 to 1095 associated with up to 4 % sulphides. 1-2% sulphides overall.
WZ-18-197W2	1099.54	1099.93	0.39	QV	Quartz Vein	cg, Smokey quartz vein with up to 5% sulphides disseminated throughout. 5 specs of gold visible at 1099.85; another 15 specs visible throughout the vein. (20 specs total).
WZ-18-197W2	1099.93	1100.13	0.2	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding.

WZ-18-197W2	1100.13	1101.8	1.67	4ALT	Altered Feldspar Porphyry	fg grey unit with a slight purple hue; high degree of silicification. Fg silica based ground mass with occasional highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. Up to 4% finely disseminated sulphides throughout some sections of the unit. Foliation undulates in the second half of the unit.
WZ-18-197W2	1101.8	1104.46	2.66	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. Undulating foliation in the first half of the unit. 1-2 % finely disseminated sulphides
WZ-18-197W2	1104.46	1105.35	0.89	4ALT	Altered Feldspar Porphyry	fg grey unit with a slight purple hue; high degree of silicification. Fg silica based ground mass with occasional highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. <1% finely disseminated sulphides,
WZ-18-197W2	1105.35	1105.89	0.54	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. Alteration intensity dissipates with depth.
WZ-18-197W2	1105.89	1119.3	13.41	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Gradational lower contact.
WZ-18-197W2	1119.3	1127.62	8.32	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-18-197W2	1127.62	1148	20.38	5B	Granodiorite	fg to mg, light grey felsic unit with black speckling throughout and a massive texture. Unit is composed primarily of white plagioclase with lesser quartz. Black biotite is speckled throughout the unit. Occasional millimetric to centimetric sized mafic fragments suspended throughout. Quartz vein from 1134.67 to 1134.8.
WZ-18-197W2	1148	1148				EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	543	543.82	0.82	787313	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	543.82	544.65	0.83	787314	0.025	25		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	544.65	545.5	0.85	787315	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	547.5	547.92	0.42	787316	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	547.92	548.4	0.48	787317	0.011	11		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	548.4	549	0.6	787318	0.005	5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	553.5	554	0.5	787319	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Blank			0	787320	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	554	555.06	1.06	787321	0.007	7		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	555.06	556	0.94	787322	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	698	698.64	0.64	787323	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	698.64	699.64	1	787324	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	699.64	700.5	0.86	787325	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	964	964.8	0.8	787326	0.018	18		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	964.8	966	1.2	787327	0.034	34		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	966	967	1	787328	0.087	87		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	967	967.8	0.8	787329	0.014	14		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	OREAS 216			0	787330	6.63	6630		
WZ-18-197W2	Middle Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	967.8	968.8	1	787331	0.006	6		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1092	1093	1	787332	0.015	15		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1093	1093.73	0.73	787333	0.238	238		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1093.73	1094.33	0.6	787334	0.448	448		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1094.33	1095	0.67	787335	1.44	1440		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1095	1096	1	787336	1.05	1050		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1096	1097	1	787337	0.36	360		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1097	1098	1	787338	0.279	279		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1098	1099	1	787339	0.425	425		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Blank				787340	0.0025	< 5		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1099	1099.54	0.54	787341	0.36	360		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1099.54	1100.13	0.59	787342	40.4	> 10000	59.1	40.4
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1100.13	1101	0.87	787343	0.296	296		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1101	1101.8	0.8	787344	0.147	147		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1101.8	1103	1.2	787345	0.377	377		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1103	1104	1	787346	0.015	15		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1104	1104.46	0.46	787347	0.029	29		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1104.46	1105.35	0.89	787348	0.04	40		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1105.35	1105.89	0.54	787349	0.039	39		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	OREAS 210				787350	5.45	5450		
WZ-18-197W2	Middle Zone	Actlabs	A19-01316	24-Jan-19	05-Feb-19	Assay	1105.89	1107	1.11	787351	0.022	22		





Hole Number:

WZ-18-203

Drill Rig:

Drill 33

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:			
Surface					1-Sep-2018	23-Sep-2018			
Planned Coordinates		Azimuth:	63	Drill Contractor:	Foraco Canada Ltd				
Easting	645106.06								
Northing	5407749.11								
Elevation(m)	405.73	Dip:	-80	Dates Logged:	Start Date:	End Date:			
Final Pick up					Depth(m):	1272.00	Logger 1:	Shane Moran	
Easting								Logger 2:	Sarah Davis
Northing		Logger 3:	Karen Barlow						
Elevation(m)		Core Size:	NQ	Assay Lab:					
Casing									
Purpose of Hole	Middle Zone deep extension	Dip Tests							
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
Results	From 1056.50 - 1052.10m is 7A (diabase). Zone was projected to be at around 1120m, which appears to be obliterated by 7A (diabase) 1119.28-1127.9m. There was no strong/evident zone with QV; from 1145.54 - 1146.7 - 4ALT ; 1146.7- 1149.57 - 1ALT	0.0	64.8	-80.2					
		23.0	64.8	-80.2	5595	3m hex 18	72.4		
		54.0	65.8	-80.1	5660	6m stab 1	73.4		
		84.0	66.7	-79.7	5595	6m stab 1	74.3		
		114.0	64.2	-79.6	5594	6m stab 1	71.8		
		144.0	64.2	-78.9	5592	changed bi	71.8		
		174.0	43.4	-80.2	5585	bad test az	51		
		204.0	63.6	-78.7	5589	6m stab 1	71.2		
		237.0	63.8	-78.9	5589	at 243 6m	71.4		
		267.0	66.4	-78.5	5561	6m standa	74		
		297.0	64.8	-78.3	5559	at 297 6m	72.4		
		327.0	66.6	-77.8	5558	6m standa	74.2		
		Comments	Shane logged top of hole to 492m. Sarah logged 492-599m. K. Barlow logged 599-EOH. Wedge at 714m. Clappison wedge at 788m. Wedge at 960m. The cement intervals are from 1125-1170m, based on the 4ALT and 1ALT units.	357.0	71.2	77.7	5568	6m standa	78.8
387.0	67.8			-77.6	5558	6m standa	75.4		
420.0	67.5			-76.4	5565	changed bi	75.1		
450.0	66.8			-76.5	5569	6m standa	74.4		
480.0	66.8			-76.4	5564	6m standa	74.4		
510.0	66.2			-76.3	5569	changed bi	73.8		
540.0	65.3			-74.7	5565	6m standa	72.9		
573.0	64.1			-74.9	5540	6m standa	71.7		
603.0	61.0			-74.4	5564	6m standa	68.6		
633.0	60.5			-74.1	5543	6m standa	68.1		
663.0	63.0			-73.7	5547	6m standa	70.6		
693.0	62.2			-74.0	5561	6m standa	69.8		
714.0	63.5			-73.9	5537	wedged at	71.1		
728.0	56.2	-71.2	5556	3m standa	63.8				
743.0	55.7	-70.7	5561	3m standa	63.3				
758.0	57.4	-70.8	5559	3m standa	65				
773.0	58.1	-71.2	5556	3m standa	65.7				
788.0	57.9	-71.0	5565	wedged at	65.5				
803.0	55.1	-68.0	5592	3m standa	62.7				
818.0	56.0	-67.1	5613	3m standa	63.6				
833.0	59.8	-66.7	5514	3m standa	67.4				
848.0	58.6	-66.6	5564	at 848 swit	66.2				
879.0	54.9	-66.0	5595	6m standa	62.5				
912.0	56.1	-66.0	5594	6m standa	63.7				
942.0	57.4	-65.8	5584	wedged at	65				
992.0	56.3	-59.9	5591	3m standa	63.9				
1022.0	56.8	-59.1	5589	at 1037 sw	64.4				
1052.0	56.7	-58.3	5589	at 1037 sw	64.3				
1086.0	56.3	-58.3	5586	6m standa	63.9				
1116.0	59.0	-57.8	5590	taken from	66.6				
1146.0	59.1	-57.5	5578	taken from	66.7				
1176.0	60.3	-57.4	5589	6m standa	67.9				
1206.0	60.1	-56.8	5580	6m standa	67.7				
1236.0	58.5	-52.5	5589		66.1				
1266.0	60.0	-51.5	5580	6m standa	67.6				

Azimuth corrected to 7.6 degrees west declination

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-203	0.00	3.23	3.23	OVB	Overburden	rounded pebbles and cobble
WZ-18-203	3.23	5.70	2.47	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 30°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; mg-cg (shr)lct 40°ca
WZ-18-203	5.70	11.24	5.54	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill mod foln 30°; 6E 11.10-11.24 25°ca; lct 25°ca
WZ-18-203	11.24	12.63	1.39	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 30°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; mg-cg (shr)lct 40°ca
WZ-18-203	12.63	17.80	5.17	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; foln 20°ca; lct 20°ca
WZ-18-203	17.80	21.30	3.50	4B	Feldspar Porphyry	Dark purplish-grey medium to CG; mod stg foln 20°ca 18.80; fg mg elongated and unaltered xtals towards lct w bio sercitic alt; 6B 15°ca 18.80-18.95; 6B 19.15-19.75 15°ca; 10°ca lct
WZ-18-203	21.30	23.20	1.90	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 30°ca; 6E 18.40-19.2 40°ca; 4B 17.82-18.1 50°ca; 4B 18.4-19.2 40°ca; 4B 23-23.3 40°ca; 4B 24.32-25.28 30°ca; 4B 28.34-28.64 30°ca; lct 20°ca
WZ-18-203	23.20	25.52	2.32	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 30°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; mg-cg (shr)lct 90°ca
WZ-18-203	25.52	31.57	6.05	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; wk-no foln 30°ca; 4B 27.50-28.00 30°ca; lct 15°ca
WZ-18-203	31.57	32.71	1.14	4B	Feldspar Porphyry	Dark purplish-grey fg-medium; mod stg foln 20°ca; fg mg elongated xtals bio sercitic alt; tr spotty fg diss po py; lct 30°ca
WZ-18-203	32.71	38.28	5.57	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; 4B 35.60-35.78 30°ca; lct 25°ca
WZ-18-203	38.28	45.72	7.44	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 25°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; 1A 39.66-40.98 25°ca; lct 25°ca- @45m switched to 6m core barrel
WZ-18-203	45.72	46.76	1.04	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 25°ca; Wk mod diss biotite frac controlled chl wk cb alt; lct 15°ca
WZ-18-203	46.76	50.84	4.08	3D	Iron Formation	Purplish-grey to greenish-grey to dark grey fine-grained iron formation with mm-cm scale beds of mostly chert with chlorite garnet and magnetite; Trace disseminated py po; foln 15°ca lct 15°ca
WZ-18-203	50.84	58.60	7.76	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 25°ca; Wk mod diss biotite frac controlled chl wk cb alt; lct 15°ca
WZ-18-203	58.60	60.67	2.07	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 20°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; lct 15°ca
WZ-18-203	60.67	77.10	16.43	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 20°ca; Wk mod diss biotite frac controlled chl wk cb alt; 76.70-77.10 bio chl alt; lct 25°ca
WZ-18-203	77.10	78.24	1.14	3D	Iron Formation	Purplish-grey to greenish-grey to dark grey fine-grained iron formation with chert with chlorite garnet and magnetite Trace disseminated pyrrhotite; banded 20°ca; lct 20°ca
WZ-18-203	78.24	79.66	1.42	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 20°ca; Wk mod diss biotite frac controlled chl wk cb alt; lct 25°ca
WZ-18-203	79.66	81.05	1.39	6E	Intermediate Dyke	brn gy colouration; fg stg foln 25°ca poss fg elongated clasts; 1a 80.24-80.42 25°ca; lct 25°ca
WZ-18-203	81.05	82.70	1.65	3D	Iron Formation	Purplish-grey to greenish-grey to dk gy fg iron fm beds of chert 25°ca with chlorite garnet and magnetite Tr diss pyrrhotite ; lct 20°ca
WZ-18-203	82.70	110.90	28.20	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 20°ca Wk banded chlorite-biotite-silica alteration; wk qtz cb str parallel to fabric ; 82.70-86 stg bio chl ca alt mod stg foln 20-25°ca; 4B 95.80-96.70 20°ca; 4B 105.48-106.32 alt 20°ca; lct 15°ca
WZ-18-203	110.90	113.33	2.43	4E	Pegmatite	pink flesh coloured pegmatite fg w vis vugging w k+na-spar byl w qtz fg blk oxide in the fg matrix fg-mg mod stg frac open and closed; uct 15°ca sharp and lct sharp w vis brxn and gouge (water) irregular; 1B 159.93-160.28 40°ca; 160.28-161.68 4E 40°ca similar to above more aplitic in nature; lct 40°ca
WZ-18-203	113.33	113.80	0.47	FZ	Fault Zone	Stg brxn visible in the host and lct of the 4E w stg alt and closed fracturing visible 0 90°ca
WZ-18-203	113.80	114.90	1.10	1B	Pillowed Flows	Dark greenish-grey fine-grained stg foliated 15°ca mod-stg banded chlorite-biotite-silica alteration; mod-stg qtz cb str parallel to fabric ; lct 15°ca
WZ-18-203	114.90	116.81	1.91	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey fine-grained moderately to strongly sheared feldspar porphyry; laminated appearance Moderate to strong pervasive silicification and moderate patchy to haloes of sericitization and weak banded biotite alteration; wk to mod quartz flooding with 1-3% diss py po; lct 15°ca
WZ-18-203	116.81	119.40	2.59	1B	Pillowed Flows	Dark greenish-grey fine-grained stg foliated 15°ca mod-stg banded chlorite-biotite-silica alteration; mod-stg qtz cb str parallel to fabric ; lct 20°ca
WZ-18-203	119.40	121.58	2.18	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey fine-grained moderately to strongly sheared feldspar porphyry; laminated appearance Moderate to strong pervasive silicification and moderate patchy to haloes of sericitization and weak banded biotite alteration; wk to mod quartz flooding with 1-3% diss py po; lct 15°ca

WZ-18-203	121.58	122.74	1.16	4E	Pegmatite	white blue gy pegmatite w na-spar albite white to blue+k-spar byl w qtz smokey w fg blk oxide in the fg matrix -mg uct 15°ca irregular; lct 15°ca irregular
WZ-18-203	122.74	123.87	1.13	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey fine-grained moderately to strongly sheared feldspar porphyry; laminated appearance Moderate to strong pervasive silicification and moderate patchy to haloes of sericitization and weak banded biotite alteration; wk to mod quartz flooding with 1-3% diss py po; lct15°ca
WZ-18-203	123.87	144.50	20.63	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; 4B 128.47-128.86 20°ca; 4B 129.90-130.52 20°ca; 4B 132.85-133.38 20°ca; lct 20°ca diffuse
WZ-18-203	144.50	147.50	3.00	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 20°ca; Wk mod diss biotite frac controlled chl wk cb alt; lct 25°ca
WZ-18-203	147.50	161.48	13.98	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; 4B 157.08-157.7 25°ca; lct 20°ca diffuse
WZ-18-203	161.48	163.58	2.10	6E	Intermediate Dyke	brn gy colouration; fg stg foln 25°ca poss fg elongated clasts; lct 20°ca
WZ-18-203	163.58	173.13	9.55	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; lct 20°ca diffuse
WZ-18-203	173.13	176.56	3.43	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 25°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; lct 25°ca
WZ-18-203	176.56	218.88	42.32	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; apite 5B x cutting fabric 30mil wide 203.65-203.88 20°ca; 6E 205.44-205.77 25°ca; 6E 209.48-209.92 25°ca; 6E 210.98-211.19 20°ca; lct 20°ca diffuse
WZ-18-203	218.88	228.38	9.50	1A	Massive Flows	Dark greenish-grey fine- to medium-grained wk-mod foln 25°ca; Wk mod diss biotite frac controlled chl wk cb alt; lct 20°ca
WZ-18-203	228.38	232.64	4.26	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; 4B 230.70-231.60 25°ca; lct 20°ca
WZ-18-203	232.64	236.78	4.14	4B	Feldspar Porphyry	Dark purplish-grey fg-mg gd; Wk diss bio and patchy silicification alteration feldspar phenocrysts ; mod-stg foln25°ca; lct20°ca
WZ-18-203	236.78	247.50	10.72	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; QV 247.18-247.50 30°ca w25% 1B; lct 30°ca
WZ-18-203	247.50	275.14	27.64	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; 4E xcutting fabric 248.80-249.20 55°ca; lct20°ca
WZ-18-203	275.14	285.12	9.98	4B	Feldspar Porphyry	Dark purplish-grey mg-cg; wk foln 25°ca; Wk diss bio and patchy silicification alteration feldspar phenocrysts; 6B 279.56-279.97 15°ca; QV chl minor xcutting fabric 20°ca 284.25-284.74; lct 25°ca
WZ-18-203	285.12	286.49	1.37	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; lct15°ca
WZ-18-203	286.49	287.49	1.00	4B	Feldspar Porphyry	Dark purplish-grey fg-mg; wk-mod foln 15°ca; Wk-mod diss bio and patchy silicification alteration feldspar phenocrysts; lct 15°ca
WZ-18-203	287.49	289.03	1.54	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey fine-grained moderately to strongly sheared feldspar porphyry; laminated appearance Moderate to strong pervasive silicification and moderate patchy to haloes of sericitization and weak banded biotite alteration; wk to mod quartz flooding with 1-3% diss py po; 4B 287.98-288.45 15°ca; lct15°ca
WZ-18-203	289.03	295.00	5.97	4B	Feldspar Porphyry	Dark purplish-grey fg-mg; wk-mod foln 15°ca; Wk-mod diss bio and patchy silicification alteration feldspar phenocrysts; 6B 289.94-290.63 15°ca; 6B 294.52-294.78 15°ca; lct 15°ca
WZ-18-203	295.00	295.66	0.66	4ALT	Altered Feldspar Porphyry	Dark purplish-grey to light purplish-grey fine-grained moderately to strongly sheared feldspar porphyry; laminated appearance Moderate to strong pervasive silicification and moderate patchy to haloes of sericitization and weak banded biotite alteration; wk to mod quartz flooding with 1-3% diss py po; lct20°ca
WZ-18-203	295.66	302.16	6.50	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 20°ca; Wk mod diss biotite; 300.45-302.16 mod-stg frac controlled chl wk cb alt w infill; 4E 300.56-300.66 60°ca pk wh blue fg; lct 25°ca
WZ-18-203	302.16	307.86	5.70	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; lct15°ca
WZ-18-203	307.86	311.25	3.39	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 20°ca; Wk mod diss biotite; xcutting fabric 4E 308-308.10 90°ca pk wh blue fg; lct 25°ca
WZ-18-203	311.25	311.75	0.50	3D	Iron Formation	Purplish-grey to greenish-grey to dk gy red brn fg iron fm beds of chert 25°ca with chlorite garnet and magnetite stg sil; 8-10% po py diss pyrrhotite ; lct 20°ca
WZ-18-203	311.75	315.81	4.06	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; wk-mod stg frac fill w tr py po spotty; lct 20°ca

WZ-18-203	315.81	318.16	2.35	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; lct30°ca
WZ-18-203	318.16	321.95	3.79	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 318.16-342.61 mod stg frac infill closed w tr py po spotty; lct 20°ca
WZ-18-203	321.95	323.28	1.33	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 20°ca; frac closed at uct+lct; lct20°ca
WZ-18-203	323.28	332.16	8.88	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 318.16-342.61 mod stg frac infill closed w tr py po spotty; 1B 329.79-330.27 40°ca; 4C xcutting fabric 10°ca 331.47-332; lct 30°ca
WZ-18-203	332.16	336.18	4.02	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 30°ca; 1B 335-335.48 25°ca; lct25°ca
WZ-18-203	336.18	338.70	2.52	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 318.16-342.61 mod stg frac infill closed w tr py po spotty; 4E xcutting fabric 20°ca 337.31-337.50; lct 25°ca
WZ-18-203	338.70	340.17	1.47	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 30°ca; lct25°ca
WZ-18-203	340.17	342.61	2.44	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 318.16-342.61 mod stg frac infill closed w tr py po spotty; lct 15°ca
WZ-18-203	342.61	344.60	1.99	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 25°ca; 6E 342.61-343.50 30° lct; lct25°ca
WZ-18-203	344.60	349.00	4.40	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; w tr py po spotty; lct 15°ca
WZ-18-203	349.00	350.66	1.66	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 25°ca; 1B 350.35-350.66 20° lct; lct20°ca
WZ-18-203	350.66	352.11	1.45	6E	Intermediate Dyke	brn gy colouration; fg stg foln 25°ca poss fg elongated clasts; lct 25°ca
WZ-18-203	352.11	374.85	22.74	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; w tr py po spotty; mod-stg foln 357.30-358.28 15°ca; lct25°ca
WZ-18-203	374.85	381.09	6.24	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 20°ca; Wk mod diss biotite; QV 380.48-381.09 30°ca minor chl alt; lct 20°ca
WZ-18-203	381.09	399.80	18.71	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 5B xcutting fabric 392.67-392.80 30°ca; lct25°ca
WZ-18-203	399.80	400.05	0.25	FZ	Fault Zone	stg frac open closed visible w chl gouge chl ca gouge along cts and in frac ; RQD=0; cts 55°ca
WZ-18-203	400.05	405.28	5.23	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 20°ca; Wk mod diss biotite; small flt w mil movement vis in ca str 1-2mil 406.10-406.20; lct 15°ca
WZ-18-203	405.28	435.80	30.52	6B	Gabbro	Dark greenish-grey/blk mg-cg; wk to mod amph chlorite alt wk qtz cb infill; dk grn blk wk- mod foln 25°ca; frac zone small w closed and open fracs 415.5-418.75 w blk line mylonite at lct sharp @30°ca; lct 25°ca
WZ-18-203	435.80	442.87	7.07	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 25°ca; Wk mod diss biotite; lct 25°ca
WZ-18-203	442.87	471.90	29.03	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; qtz vnl 50°ca 461.50-461.60; lct 15°ca irregular
WZ-18-203	471.90	474.00	2.10	7C	Lamprophyre	dk colouration 10°ca; irregular cts 15°ca; brn colouration magnetic; small white irregular xtals in matrix; massive in appearance
WZ-18-203	474.00	484.03	10.03	1B	Pillowed Flows	Dark greenish-grey fine-grained wk foliated 25°ca Wk banded chlorite-biotite-silica alteration; wk mod qtz cb str parallel to fabric w tr diss po; 4B 20°ca 474.74-475.45; lct 15°ca diffuse
WZ-18-203	484.03	495.20	11.17	1A	Massive Flows	Dark greenish-grey fine- to medium-grained mod foln 25°ca; Wk mod diss biotite; lct??°ca
WZ-18-203	495.20	506.96	11.76	1B	Pillowed Flows	Dark grey/green; FG; mod fol; weak chl alt'd selvages; weak pervasive chl; weak-mod wispy and banded ser/act/crb bleaching; barren
WZ-18-203	506.96	511.88	4.92	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace banded crb stringers; 2% pegmatite dyklets; very trace interstitial bi; barren
WZ-18-203	511.88	530.76	18.88	6B	Gabbro	Dark grey/greenish; MG-CG; mod fol; mod chl; trace banded/stringer crb/Qtz; barren
WZ-18-203	530.76	532.40	1.64	4B	Feldspar Porphyry	Medium purple; FG gmass w/ 35% MG mod corroded and mod elongated fsp phenos; weak interstitial bi; str fol; mod sil; barren
WZ-18-203	532.40	550.87	18.47	6B	Gabbro	Dark grey/greenish; MG-CG; mod fol; mod chl; trace banded/stringer crb/Qtz; barren
WZ-18-203	550.87	572.86	21.99	1B	Pillowed Flows	Dark grey/green; FG; mod fol; weak chl alt'd selvages; weak pervasive chl; weak-mod wispy and banded ser/act/crb bleaching; barren
WZ-18-203	572.86	576.37	3.51	1UT	Ultramafic Talc/Chlorite Altered	Medium bluish grey; FG; mod fol; mod pervasive talc; mod-str mag; mod banded/stringer crb; barren; w/ minor 1A at lower contact
WZ-18-203	576.37	577.76	1.39	3D	Iron Formation	Strong banded cherty layers; purple/grey/brown/beige; str fol/bedding; mod crenulations; mod-str banded garnets; mod-str banded mag; 5% massive and stringer PY and PO; w/ minor 4B

WZ-18-203	577.76	584.42	6.66	1B	Pillowed Flows	Dark grey/green; FG; mod fol; weak chl alt'd selvages; weak pervasive chl; weak-mod wispy and banded ser/act/crb bleaching; barren
WZ-18-203	584.42	585.52	1.10	3D	Iron Formation	Strong banded cherty layers; purple/grey/brown/beige; str fol/bedding; mod crenulations; mod-str banded garnets; mod-str banded mag; 5% massive and stringer PY and PO
WZ-18-203	585.52	595.16	9.64	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace banded crb stringers; 2% pegmatite dyklets; very trace interstitial bi; barren
WZ-18-203	595.16	596.91	1.75	1UT	Ultramafic Talc/Chlorite Altered	Medium bluish grey; FG; mod fol; mod pervasive talc; mod-str mag; mod banded/stringer crb; barren
WZ-18-203	596.91	598.60	1.69	1A	Massive Flows	Medium-dark grey/greenish; FG-MG; mod fol; trace banded crb stringers; str speckled elongated garnets; very trace interstitial bi; barren; w/ minor 3D
WZ-18-203	598.60	600.18	1.58	1UT	Ultramafic Talc/Chlorite Altered	Medium bluish grey; FG; mod fol; mod pervasive talc; mod-str mag; mod banded/stringer crb; mn 3D unit up to 22cm; barren
WZ-18-203	600.18	602.00	1.82	1A	Massive Flows	Med greenish/brownish grey; FG; mod fol'n; wk-mod bi; mod interstitial/stringers crb; trce ep banding; barren
WZ-18-203	602.00	606.81	4.81	6B	Gabbro	Med-dark greenish grey; MG-CG; mod fol'n; mod chl; wk-mod crb banded/stringer; mn qtz stringer up to 1cm; mn 4E intrusions up to 5cm; barren
WZ-18-203	606.81	611.75	4.94	1UT	Ultramafic Talc/Chlorite Altered	Med bluish grey; VFG-FG; mod fol'n; mod pervasive talc; mod-str mag; mod banded/stringer crb; w/mn 1A/3D at LC up to 25cm; trce PoPy (<1%)
WZ-18-203	611.75	620.28	8.53	1A	Massive Flows	Med greenish/brownish grey; FG-MG; mod fol'n; mod shearing; mod bi; mod crb stringers; wk ep banding; trce ser banding; mn qtz stringers up to 1cm; mod mag alt'n zone towards LC; barren
WZ-18-203	620.28	621.86	1.58	1UT	Ultramafic Talc/Chlorite Altered	Med bluish grey; VFG-FG; mod fol'n; mod-str pervasive talc; mod-str mag; mod banded/stringers crb; barren
WZ-18-203	621.86	623.58	1.72	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod bi; mod crb stringers; trce ser banding; mn qtz stringers up to 1cm; barren
WZ-18-203	623.58	625.98	2.40	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/25% mod corroded MG-CG wkly elongated fspar phenos parallel to fol'n; mod fol'n; wk-mod interstitial/elongated lathes bi; mod sil; wk-mod speckled albite; barren
WZ-18-203	625.98	626.31	0.33	QV	Quartz Vein	Mottled/whitish; VFG-FG; wk chl stringer; wk patchy ep; trce speckled PoPy (<1%)
WZ-18-203	626.31	630.70	4.39	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/35% mod corroded MG-CG wkly-mod elongated fspar phenos parallel to fol'n; mod fol'n; wk-mod interstitial/elongated lathes bi; mod sil; wk-mod speckled albite; mn qtz stringer up to 4cm; barren
WZ-18-203	630.70	637.98	7.28	1A	Massive Flows	Med-dark greenish grey; FG-MG; mod fol'n; wk-mod bi banding; wk crb stringers; mod speckled garnets; trce ser banding; mn qtz stringer up to 4cm; mn 4E up to 6cm; mn 5B up to 8cm; trce PoPy(<1%)
WZ-18-203	637.98	640.14	2.16	3D	Iron Formation	Str banded cherty layers; purple/grey/brown/beige; str fol'n/bedding; mod crenulations; mod-str banded garnets; mod-str banded mag; mn micro-fracture w/sinistral movement; mn PoPy (1-2%)
WZ-18-203	640.14	673.65	33.51	1A	Massive Flows	Med greenish/brownish grey; FG; mod fol'n; mod interstitial/banded bi; mod interstitial/stringers crb; trce speckled garnets; mn qtz stringers up to 5cm; mn 4B/5B intrusions; trce PoPy(<1%)
WZ-18-203	673.65	674.74	1.09	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/25% mod corroded MG-CG wkly-mod elongated fspar phenos parallel to fol'n; mod fol'n; wk-mod interstitial/elongated lathes bi; mod sil; wk-mod speckled albite; mn qtz stringer up to 4cm; barren
WZ-18-203	674.74	676.83	2.09	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; wk-mod interstitial/stringers crb; wk ser banding; mn qtz stringers up to 1cm; mn 4B/5B intrusions; trce PoPy(<1%)
WZ-18-203	676.83	679.42	2.59	5B	Granodiorite	Whitish grey w/15% black specks; MG; wk fol'n; trce garnet speckles; w/mn qtz stringer up to 2cm; mn clasts of 1A up to 18cm; trce PoPy(<1%)
WZ-18-203	679.42	714.00	34.58	1A	Massive Flows	Med greenish/brownish grey; FG-MG; varying degrees of grain size (1Z?); mod fol'n; mod shearing in some areas; mod interstitial/banded bi; mod-str interstitial/stringers crb; wk ser banding; wk patchy ep; mn qtz stringers up to 4cm; mn 5B intrusions; trce PoPy(<1%); From 699.81 to 699.91m is QV both contacts sharp UC at 20°ca LC at 30°ca barren
WZ-18-203	714.00	716.13	2.13	5B	Granodiorite	Whitish grey; MG; wk fol'n; 5-10% speckled mafics; mod interstitial bi; mod speckled albite; trce garnet speckles; mn qtz stringers up to 2cm; barren
WZ-18-203	716.13	717.66	1.53	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/20% mod corroded MG-CG wk-mod elongated fspar phenos parallel to fol'n; mod fol'n; wk interstitial/elongated lathes bi; mod sil; wk-mod speckled albite; barren
WZ-18-203	717.66	726.88	9.22	1A	Massive Flows	Med greenish grey; FG; mod interstitial/banded bi; mod interstitial/stringers crb; wk ser banding; wk patchy ep; mn qtz stringers up to 1cm; mn 5B/4E intrusions; trce PoPy(<1%); From 724.57 to 724.65m is QV both contacts sharp UC at 25°ca LC at 30°ca barren
WZ-18-203	726.88	730.57	3.69	4B	Feldspar Porphyry	Light to med purplish grey; FG groundmass w/5% mod-str corroded MG mod elongated fspar phenos parallel to fol'n; mod fol'n; wk-mod interstitial/elongated lathes bi; mod-str sil flooding (bleached); wk banding/speckled albite; barren

WZ-18-203	730.57	745.12	14.55	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; mod bi banding; mod crb banding; mod chl; wk-mod ep banding; mn qtz stringers up to 1cm; mn units of 5B intrusions; trce PoPy (<1%); From 737.40-737.65m is QV both contacts sharp UC at 80°ca LC at 65°ca; From 738.28-738.42m is QV both contacts sharp and at 30°ca
WZ-18-203	745.12	753.14	8.02	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial/banded bi; mod interstitial/stringers crb; wk patchy ser; wk patchy ep; mn qtz stringers up to 5cm; mn 5B intrusions; barren
WZ-18-203	753.14	785.33	32.19	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; wk-mod bi banding; mod-str crb banding/micro-fracture w/movement; mod chl; wk-mod ep banding; wk albite banding w/trce potassic fspar (microcline?); wk-mod banded/wispy ser-act-crb bleaching; mn qtz stringers up to 4cm; mn units of 5B intrusions; trce PoPy (<1%)
WZ-18-203	785.33	788.00	2.67	5B	Granodiorite	Whitish grey w/15% black specks; MG-CG; wk fol'n; wk garnet speckles; mn qtz stringer up to 2cm w/patchy ep; barren
WZ-18-203	788.00	792.50	4.50	1A	Massive Flows	Med to dark greenish grey; FG; mod fol'n; wk-mod crb stringers; wk ser stringers; trce qtz stringers<1cm; barren
WZ-18-203	792.50	794.64	2.14	5B	Granodiorite	Whitish grey w/20% black specks; MG-CG; wk fol'n; wk garnet speckles; trce crb stringer; mn qtz stringer up to 4cm; barren
WZ-18-203	794.64	814.27	19.63	1A	Massive Flows	Med greenish grey; FG-MG; varying degrees of grain size (1Z?); mod fol'n; wk-mod shearing; wk-mod interstitial/banded bi; mod-str interstitial/stringers crb; wk ser banding; mn qtz stringers up to 2cm; mn 5B intrusions; trce stringer PoPy(<1%)
WZ-18-203	814.27	815.54	1.27	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/2% mod corroded MG wk-mod elongated fspar phenos parallel to fol'n; mod fol'n; wk interstitial/elongated lathes bi; mod sil; wk-mod crb stringers; wk-mod speckled albite; barren
WZ-18-203	815.54	830.83	15.29	1A	Massive Flows	Med greenish grey; FG-MG; varying degrees of grain size (1Z?); mod fol'n; wk-mod shearing; wk-mod interstitial/banded bi; mod-str interstitial/stringers crb; wk ser banding; wk garnet clusters/speckled; mn qtz stringers up to 5cm; mn 5B intrusions; From 827.47 to 827.73 is QV w/intermitent 1A both contacts sharp UC at 20°ca LC at 30°ca; trce PoPy(<1%)
WZ-18-203	830.83	833.38	2.55	4E	Pegmatite	Light to med pinkish/yellowish/smokey grey; CG; str fspar w/cm scale smokey qtz crystals; str speckled garnets; mod-str speckled muscovite; wk-mod patchy ep; str potassic alt'n; barren
WZ-18-203	833.38	841.75	8.37	1A	Massive Flows	Med greenish grey; FG-MG; varying degrees of grain size (1Z?); mod fol'n; wk-mod shearing; wk-mod interstitial/banded bi; mod-str interstitial/stringers crb; wk ser banding; trce albite banding; mn qtz stringers up to 2cm; trce PoPy(<1%)
WZ-18-203	841.75	844.22	2.47	4B	Feldspar Porphyry	Med purplish grey; FG groundmass w/10% mod corroded MG mod elongated fspar phenos parallel to fol'n; mod fol'n; wk interstitial/elongated lathes bi; mod sil; wk-mod crb stringers; wk speckled/banded albite; trce PoPy(<1%)
WZ-18-203	844.22	848.22	4.00	1A	Massive Flows	Med greenish grey; FG-MG; varying degrees of grain size (1Z?); mod fol'n; wk-mod shearing; wk-mod interstitial/banded bi; mod-str interstitial/stringers crb; wk ep banding; trce-wk albite banding; mn qtz stringers <1cm; trce PoPy(<1%)
WZ-18-203	848.22	854.73	6.51	6B	Gabbro	Med greenish grey; MG-CG; varying degrees of grain size w/surges of 1A; mod fol'n; mod chl; mod crb banded/stringer; mn qtz stringer up to 1cm; wk act-ser-crb-ep banding; trce PoPy(<1%)
WZ-18-203	854.73	856.96	2.23	7A	Diabase	Med to dark greenish grey; VFG-FG; trce-wk alt'd fspar clasts up to 2cm; mod mag; trce crb micro fractures
WZ-18-203	856.96	890.88	33.92	6B	Gabbro	Med greenish grey; MG-CG; varying degrees of grain size w/surges of 1A; mod fol'n; mod chl; mod crb banded/stringer; mn qtz stringer up to 1cm; mn 5B intrusions; From 870.11 to 872.33 is diskling w/6B and 6E; trce PoPy(<1%)
WZ-18-203	890.88	892.22	1.34	6E	Intermediate Dyke	Med purplish grey; FG-MG; str fol'n; mod interstitial bi; mod sil; mn qtz stringer <1cm; trce PoPy (<1%)
WZ-18-203	892.22	905.27	13.05	6B	Gabbro	Med greenish grey; MG-CG; mod fol'n; mod chl; mod crb stringer/micro-fracture infill; trce-wk patchy ser; mn qtz stringer up to 2cm; mn 5B intrusions; trce PoPy(<1%)
WZ-18-203	905.27	924.16	18.89	1A	Massive Flows	Med greenish grey; FG-MG; mod fol'n; wk-mod interstitial/banded bi; wk-mod light green bleached banding; mod interstitial/stringers crb; wk ep banding; trce-wk albite banding; mn qtz stringers up to 3cm; mn 4E intrusion; trce PoPy(<1%)
WZ-18-203	924.16	928.49	4.33	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk-mod light green bleached banding; mod bi banding; mod crb banding; mod chl; wk-mod ep banding; trce-wk garnet speckles; mn qtz stringers up to 1cm; mn units of 5B intrusions; trce PoPy (<1%)
WZ-18-203	928.49	929.93	1.44	4B	Feldspar Porphyry	Light to med purplish/bluish grey; FG groundmass w/35% mod corroded MG wkly elongated fspar phenos parallel to fol'n; mod fol'n; wk-mod albite banding; wk-mod chl alt'n towards LC w/mn brecciation along chill margin; wk-mod crb micro-fracture infill; mn qtz stringer up to 2cm; barren
WZ-18-203	929.93	942.64	12.71	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk-mod light green bleached banding; mod bi banding; mod crb banding; mod chl; wk-mod ep banding; wk-mod garnet clusters/speckles; mn qtz stringers up to 4cm; mn units of 5B intrusions; trce PoPy (<1%); From 938.89 to 939.05m is QV w/wk patchy act-ser-crb both contacts sharp UC at 30°ca LC at 20°ca; barren

WZ-18-203	942.64	954.11	11.47	1A	Massive Flows	Med greenish grey; FG-MG; mn section of varying degrees of grain size (12?); mod fol'n; wk-mod interstitial bi; mod stringers crb; mn unit of 5B intrusion; mn qtz stringers up to 4cm w/mod garnet clusters and chl stringers; trce PoPy (<1%)
WZ-18-203	954.11	958.15	4.04	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk-mod light green bleached banding; mod bi banding; mod crb banding; mod chl; wk-mod ep banding; wk garnet speckles; mn qtz stringers up to 2cm; trce PoPy (<1%); From 957.38 to 957.75m is QV both contacts sharp UC at 30°ca LC at 25°ca barren; From 957.9 to 958.15m is QV both contacts sharp UC at 25°ca LC at 30°ca barren
WZ-18-203	958.15	979.90	21.75	1A	Massive Flows	Med greenish grey; FG-MG; mn section of varying degrees of grain size (12?) prodominately towards margin of UC; wK light green bleached banding; mod fol'n; wk-mod interstitial/banded bi; mod stringers crb; wk garnet speckles; mn unit of 6E/5B intrusions; mn qtz stringers up to 4cm; trce PoPy (<1%); From 966.85 to 966.96m is QV interfingered w/1A wk clusters of garnets trce sulphides; From 978.97 to 979.35m is QV interfingered w/1A w/wk-mod act-ser-crb at'l'n trce sulphides
WZ-18-203	979.90	981.14	1.24	4E	Pegmatite	Whitish/beigish/yellowish grey; MG-CG; mod-str albite banding/speckled; wk speckled bi; mod-str interstitial/stringers qtz; wk-mod garnet speckles; wk patchy chl; trce Moly-Cpy (<1%)
WZ-18-203	981.14	983.30	2.16	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod light green bleached banding; mod interstitial bi; mod interstitial/stringers crb; wk patchy ser; mn qtz stringers <1cm; barren
WZ-18-203	983.30	1005.03	21.73	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk-mod light green bleached banding; mn sections of wispy/banded act-ser-crb-chl; wk-mod bi banding; mod crb banding; mod chl selvages; wk-mod ep banding; wk garnet speckles; mn qtz stringers up to 2cm; trce PoPy (<1%); From 998.71 to 999m is diskling; From 992.67 to 992.77m is QV both contacts sharp UC at 50°ca LC at 45°ca barren; From 1001.04 to 1001.28m is QV both contacts sharp UC at 40°ca LC at 45°ca barren
WZ-18-203	1005.03	1006.34	1.31	1A	Massive Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod interstitial bi; mod stringers crb; wk patchy ser; mn qtz stringers up to 1cm; barren
WZ-18-203	1006.34	1007.05	0.71	QV	Quartz Vein	Mottled/whitish/greenish/purplish grey; FG-MG; interfingered with 1A; mod flooding throughout entire unit; mod patchy chl; wk-mod patchy ep; wk-mod patchy ser; mod-str sil flooding; mn PoPy (2-4%)
WZ-18-203	1007.05	1011.98	4.93	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod interstitial/stringers crb; wk ser banding; mn qtz stringers up to 1cm; barren
WZ-18-203	1011.98	1015.60	3.62	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; mod bi interstitial/banding; mod crb banding; mod chl; wk ep banding; trce garnet speckles; mn qtz stringers <1cm; mn 4B unit up to 10cm; trce PoPy (<1%)
WZ-18-203	1015.60	1025.69	10.09	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod crb stringers; wk patchy ser; mn qtz stringers up to 3cm; barren
WZ-18-203	1025.69	1035.65	9.96	6B	Gabbro	Med greenish grey; FG-MG; mod fol'n; mod chl; mod crb stringer/micro-fracture infill; trce patchy ser; mn qtz stringer up to 4cm; trce PoPy (<1%)
WZ-18-203	1035.65	1036.69	1.04	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; wk crb stringers; wk ep banding; mn qtz stringers up to 1cm; barren
WZ-18-203	1036.69	1036.92	0.23	QV	Quartz Vein	Mottled/beigish/whitish/greyish; VFG-FG; wk chl stringers; mod sulphides at margin of UC and LC; PoPy (5-8%)
WZ-18-203	1036.92	1038.87	1.95	1A	Massive Flows	Med greenish/brownish grey; FG; mod-str fol'n; mod-str bi banding/interstitial; mod-str crb stringers; wk ser banding; mod sil flooding; wk ep banding; mn qtz stringers up to 2cm; barren
WZ-18-203	1038.87	1058.36	19.49	6B	Gabbro	Med greenish grey; FG-CG; varying degrees of grain size (12?); mod fol'n; mod shearing in some areas; mod chl; mod crb stringer/micro-fracture infill; wk ser banding; mn qtz stringer up to 3cm; trce PoPy (<1%)
WZ-18-203	1058.36	1092.16	33.80	7A	Diabase	Med to dark greenish grey; VFG-FG; trce alt'd yellowish fspar clasts up to 3cm; mod mag; wk micro fractures; From 1058 to 1059 are broken pieces of core; From 1062.64 to 1064.90m are broken pieces of core; From 1063 to 1064m has diskling (fault/mechanical?) w/33cm full core (no diskling) in that interval; barren
WZ-18-203	1092.16	1112.41	20.25	1A	Massive Flows	Med greenish/brownish grey; FG; mod-str fol'n; mod-str bi banding/interstitial; mod-str crb stringers/micro-fracture infill; wk ser banding; mod sil flooding; wk ep banding; trce albite banding; mn qtz stringers up to 1cm; barren
WZ-18-203	1112.41	1113.97	1.56	4B	Feldspar Porphyry	Med purple; FG groundmass w/ 35% MG mod corroded and mod elongated fsp phenos parallel to fol'n; str fol'n; mod sil; wk interstitial/lathes bi; wk-mod chl; wk albite banding; wk garnet speckles replaced the fspar pheons; barren
WZ-18-203	1113.97	1119.28	5.31	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk ser banding; trce speckled garnets; trce albite banding; mn qtz stringers <1cm; barren
WZ-18-203	1119.28	1127.90	8.62	7A	Diabase	Med to dark greenish grey; VFG-FG; trce-wk alt'd yellowish fspar clasts up to 3cm; mod mag; wk micro fractures; barren
WZ-18-203	1127.90	1143.65	15.75	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; trce albite banding; mn qtz stringers up to 1cm; barren

WZ-18-203	1143.65	1145.54	1.89	4D	Felsite	Whitish grey; FG; trce bi and amph speckling; str albite and qtz; wk garnet speckles; trce-wk muscovite; barren
WZ-18-203	1145.54	1146.70	1.16	4ALT	Altered Feldspar Porphyry	Light to med purplish grey; FG; mod-str fol'n; mod-str silicified; wk albite banding; wk chl banding; From 1146.07 to 1146.26 is QV w/pegmatic texture wk-mod muscovite books wk garnet speckles trce brownish red mineral (rusty coloured) Fe-oxide(?) cassiterite(?); 2-4% PoPy
WZ-18-203	1146.70	1149.57	2.87	1ALT	Altered Mafic Volcanic	Light to med greenish/brownish grey; FG; mod-str bi-ser-crb alt'n; mod ep bands; mod-str fol'n; mod qtz flooding; 2-4% PoPy
WZ-18-203	1149.57	1168.25	18.68	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk ep banding; mn 6E intrusion; mn qtz stringers up to 3cm; barren
WZ-18-203	1168.25	1179.56	11.31	4D	Felsite	Whitish grey; FG-MG; wk bi-amph speckles; str albite-qtz; wk garnet speckles; trce-wk muscovite; wk-mod Fe-crb micro-fractures infill; mn qtz stringer up to 5cm; From 1178.94 to 1179 is brecciated and flooded w/Fe-crb(?); Some sections throughout unit appear to be pegmatic w/MG-CG; trce PoPy (<1%); trce Moly (<1%)
WZ-18-203	1179.56	1190.32	10.76	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk ep banding; trce patchy ser; trce garnet speckles; mn 4B intrusion; 1-2% qtz stringers up to 4cm; trce PoPy(<1%)
WZ-18-203	1190.32	1191.59	1.27	4ALT	Altered Feldspar Porphyry	Med purplish grey; FG; mod-str fol'n; mod-str silicified; wk albite banding; trce-wk chl banding; mn PoPy (1-2%)
WZ-18-203	1191.59	1199.71	8.12	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial/banding bi; mod-str crb stringers/micro-fracture infill; wk ep banding; wk patchy/banding ser; trce garnet speckles; mn qtz stringers up to 1cm; trce PoPy(<1%); From 1191.91 to 1192.07 is QV both contacts sharp UC at 15°ca LC at 35°ca barren
WZ-18-203	1199.71	1201.63	1.92	4ALT	Altered Feldspar Porphyry	Light to med purplish grey; FG; mod-str fol'n; mod-str silicified; trce-wk albite banding; trce-wk chl banding; mn 4E intrusion; mn PoPy (2-4%)
WZ-18-203	1201.63	1205.78	4.15	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk albite banding/wispy; wk patchy ser; mn qtz stringers <1cm; trce PoPy(<1%)
WZ-18-203	1205.78	1207.15	1.37	4B	Feldspar Porphyry	Med purple; FG groundmass w/ 25% MG mod corroded and mod-str elongated fsp phenos parallel to fol'n; str fol'n; mod sil; wk-mod interstitial/lathes bi; wk chl; wk albite banding; barren
WZ-18-203	1207.15	1212.25	5.10	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod light green bleached banding; mod interstitial bi; mod-str crb stringers/micro-fracture infill; wk patchy ep; mn qtz stringers up to 1cm; trce PoPy(<1%)
WZ-18-203	1212.25	1218.00	5.75	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; wk light green bleached banding; mod bi banding; mod crb banding; mod chl; wk ep banding/patchy; trce albite banding; trce-wk garnet speckles; mn qtz stringers up to 4cm; trce PoPy (<1%)
WZ-18-203	1218.00	1220.41	2.41	4ALT	Altered Feldspar Porphyry	Light to med purplish grey; FG; mod-str fol'n; mod-str silicified; wk albite banding; wk patchy chl; mn PoPy (1-2%)
WZ-18-203	1220.41	1238.30	17.89	1A	Massive Flows	Med greenish grey; FG; mod fol'n; mod interstitial bi; wk mod crb stringers; wk albite banding; wk ep banding; trce patchy ser; trce garnet speckles; mn qtz stringers up to 1cm; trce PoPy(<1%)
WZ-18-203	1238.30	1241.75	3.45	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; mod bi interstitial/banding; mod crb banding; mod chl; trce garnet speckles; mn qtz stringers <1cm; mn 5B unit; trce PoPy (<1%)
WZ-18-203	1241.75	1242.70	0.95	4ALT	Altered Feldspar Porphyry	Light to med purplish grey; FG; mod-str fol'n; mod-str silicified; wk albite banding; wk patchy chl; mn qtz stringer up to 1cm; mn PoPy (1-2%)
WZ-18-203	1242.70	1265.37	22.67	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; mod bi interstitial/banding; mod crb banding; mod chl; wk garnet speckles; wk patchy ep; wk ser banding; mn qtz stringers up to 3cm; mn 4B unit; trce PoPy (<1%)
WZ-18-203	1265.37	1266.91	1.54	4ALT	Altered Feldspar Porphyry	Light to med purplish grey; FG; mod-str fol'n; mod-str silicified; trce-wk albite banding; wk patchy chl; mn qtz stringer up to 1cm; UC margin from 1265.37 to 1265.58m is 4B MG; mn PoPy (1-2%)
WZ-18-203	1266.91	1272.00	5.09	1B	Pillowed Flows	Med greenish grey; FG; mod fol'n; mod bi interstitial/banding; mod crb banding; mod chl; wk garnet speckles; trce-wk ep banding; mn qtz stringers up to 1cm; mn 5B unit; trce PoPy (<1%)
EOH						



BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	45.76	46.76	1.00	160061	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	46.76	47.76	1.00	160062	0.013	13		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	47.76	48.76	1.00	160063	0.007	7		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	48.76	49.76	1.00	160064	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	49.76	50.84	1.08	160065	0.009	9		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	50.84	51.84	1.00	160066	0.008	8		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	76.10	77.10	1.00	160067	0.006	6		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	77.10	77.50	0.40	160068	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	77.50	78.24	0.74	160069	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	OREAS 215				160070	3.45	3450		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	78.24	79.00	0.76	160071	0.006	6		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	79.00	79.66	0.66	160072	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	79.66	80.42	0.76	160073	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	80.42	81.05	0.63	160074	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	81.05	82.05	1.00	160092	0.015	15		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	82.05	82.70	0.65	160075	0.013	13		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	82.70	83.70	1.00	160076	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	113.90	114.90	1.00	160077	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	114.90	115.90	1.00	160078	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	115.90	116.81	0.91	160079	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Blank				160080	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	116.81	117.81	1.00	160081	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	117.81	118.81	1.00	160082	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	118.81	119.40	0.59	160083	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	119.40	120.40	1.00	160084	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	120.40	121.00	0.60	160085	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	121.00	121.58	0.58	160086	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	121.58	122.00	0.42	160087	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	122.00	122.74	0.74	160088	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	OREAS 210				160089	5.43	5430		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	122.74	123.84	1.10	160090	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-12501	06-Sep-18	01-Oct-18	Assay	123.84	124.84	1.00	160091	0.011	11		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	286.49	287.49	1.00	160093	0.007	7		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	287.49	287.98	0.49	160094	0.01	10		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	287.98	288.45	0.47	160095	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	288.45	289.03	0.58	160096	0.007	7		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	289.03	289.94	0.91	160097	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	294.00	295.00	1.00	160098	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	295.00	295.66	0.66	160099	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Blank				160100	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	310.25	311.25	1.00	160101	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	311.25	311.75	0.50	160102	0.015	15		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	311.75	312.75	1.00	160103	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1005.34	1006.34	1.00	160104	0.014	14		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1006.34	1007.05	0.71	160105	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1007.05	1008.05	1.00	160106	0.012	12		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1035.65	1036.65	1.00	160107	0.031	31		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1036.65	1036.95	0.30	160108	7.66	7000		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1036.95	1037.95	1.00	160109	0.098	98		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	OREAS 210				160110	5.39	5390		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1144.54	1145.54	1.00	160111	0.738	738		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1145.54	1146.07	0.53	160112	0.132	132		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1146.07	1146.70	0.63	160113	0.183	183		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1146.70	1147.00	0.30	160114	0.481	481		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1147.00	1148.00	1.00	160115	0.531	531		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1148.00	1149.00	1.00	160116	0.08	80		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1149.00	1149.57	0.57	160117	0.032	32		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1149.57	1150.57	1.00	160118	0.02	20		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1189.32	1190.32	1.00	160119	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Blank				160120	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1190.32	1191.00	0.68	160121	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1191.00	1191.59	0.59	160122	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1191.59	1192.07	0.48	160123	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1192.07	1193.07	1.00	160124	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1198.71	1199.71	1.00	160125	0.007	7		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1199.71	1200.30	0.59	160126	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1200.30	1200.94	0.64	160127	0.02	20		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1200.94	1201.63	0.69	160128	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1201.63	1202.63	1.00	160129	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	OREAS 215				160130	3.4	3400		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1217.00	1218.00	1.00	160131	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1218.00	1219.00	1.00	160132	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1219.00	1220.00	1.00	160133	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1220.00	1220.41	0.41	160134	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1220.41	1221.41	1.00	160135	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1240.75	1241.75	1.00	160136	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1241.75	1242.70	0.95	160137	0.011	11		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1242.70	1243.70	1.00	160138	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1264.37	1265.37	1.00	160139	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Blank				160140	0.0025	< 5		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1265.37	1266.00	0.63	160141	0.017	17		

WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1266.00	1266.91	0.91	160142	0.007	7		
WZ-18-203	Middle Zone	Actlabs	A18-13854	25-Sep-18	19-Oct-18	Assay	1266.91	1267.91	1.00	160143	0.0025	< 5		



<b>Hole Number:</b>	<b>WZ-18-206</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					24-Sep-2018	27-Sep-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	53	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	645466.82	<b>Dip:</b>	-44	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5408218.95	<b>Depth(m):</b>	110.00		27-Sep-2018	28-Sep-2018
<b>Elevation(m)</b>	407.96	<b>Core Size:</b>	NQ	<b>Logger 1:</b>	Shane Moran	
<u>Final Pick up</u>				<b>Logger 2:</b>		
<b>Easting</b>				<b>Logger 3:</b>		
<b>Northing</b>				<b>Assay Lab:</b>	Actlabs	
<b>Elevation(m)</b>						

<b>Casing</b>		<b>Dip Tests</b>					
<b>Purpose of Hole</b>	Middle Zone near surface	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	1)1alt 15.78-16..44 Main Target 2) 1Alt 86.70-91.12 + 4Alt 91.12-92.65 3) qtz fra fil 96.28-96.58	0.0	53.7	-44.0		Planned	
		26.0	53.7	-44.0	5477	20ft hex 18	63
		56.0	53.0	-43.4	5574	20ft hex 18	61.9
		65.0	54.1	-42.8	5605	20ft hex 18	61.7
		95.0	55.4	-42.4	5477	Bit Change	63
		110.0	54.3	-42.3	5574	20ft hex 18	61.9
<b>Comments</b>	Stg closed and open fracturing visible w mod stg alteration visible in the mineralized zones. Strong 5B visible 49.88-52.71 cg gabbro @69.92-71.7 on uct of 5B 71.7-74.1		-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>			-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-206	0.00	5.42	5.42	OVB	Overburden	overburden
WZ-18-206	5.42	15.78	10.36	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-2% qtz ca felsic str 1-20mil width tr spotty py po frac controlled; foln~60-70°ca wk 5B 8.0-9.05 70°ca; 5B 10.44-10.79 60°ca; 5B 71.65-72.03 70°ca lct 60°ca
WZ-18-206	15.78	16.44	0.66	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration. 5-8% frac controlled fg and disseminated 5-8% py po 1-2%gn 1-2% cpy 5-10% qtz flooding; foln 60°ca; lct 60°ca
WZ-18-206	16.44	34.60	18.16	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt;<1% qtz ca felsic str 1-20mil width tr spotty py po frac controlled; foln~60-70°ca wk; 5B 17.23-17.90 60°ca; 5B 19.20-19.43 70°ca; qtz vnl w chl ca 20°ca 26.70-26.82; qtz ca str silicified w ser alt tr spotty py po 70°ca 28.73-28.90; lct 70°ca
WZ-18-206	34.60	49.88	15.28	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 70°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1%);5B 40.83-41.10 70°ca; 5B 47.58-48.28 60°ca; 48.28-48.38 deformation w fabric showing folding waves; lct40°ca
WZ-18-206	49.88	52.71	2.83	5B	Granodiorite	Whitish pinkish blue grey; MG; weak fol; wk-mod potassic alt'n; wk faulted fractures; str speckled bio/chl; mica;10% mafics; barren; lct 60°ca
WZ-18-206	52.71	65.18	12.47	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 70°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1%);5B 56.68-57.48 60°ca; 52.71-61.60 mod stg bio alt w mod stg open closed fracs 5 10 30 50 60 70°ca; lct70°ca
WZ-18-206	65.18	69.92	4.74	1B	Pillowed Flows	Dark greenish-grey fine-grained wk-moderately foliated pillowed mafic volcanics. Weak to moderate patchy to banded chlorite-epidote-biotite (+/- garnet) alteration. 2-3% mm-scale quartz carb stringers frac fill and parallel to fabric. 5B 50°ca 67.47-67.67; 5B 60°ca 68.29-68.50; lower contact sharp 70°ca
WZ-18-206	69.92	71.70	1.78	6B	Gabbro	cg dark grey to dark green mafic unit. Unit is composed predominately of cg mafics with a notable portion of cg plagioclase as well. Unit becomes finer in certain sections and contains a variable amount of chlorite alteration towards the uct; Calcite and felsic wisps/veinlets intermittently. finer grained with biotite alteration lct 60°ca
WZ-18-206	71.70	74.10	2.40	5B	Granodiorite	Whitish flesh pinkish blue grey; MG; weak fol; mod-stg potassic alt'n; wk faulted fractures; str speckled bio/chl; mica; barren; lct 60°ca
WZ-18-206	74.10	86.70	12.60	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%);5B 75.12-75.50 60°ca; wk-mod bio alt w mod open closed fracs 5 10 30 50 60 70°ca w ca infil 1-2mil; 6E 81.44-81.92 60°ca; 1a w minor alt 84.57-86.70 uct 50°ca chl ep alt mod w 1-2% py po diss <1% qtz; fracturing and infill wk -mod; lct70°ca
WZ-18-206	86.70	91.12	4.42	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration. 5-8% frac controlled fg and disseminated 5-8% py po 1-2%gn 1-2% cpy 5-10% qtz flooding; foln 60°ca; lct 60°ca
WZ-18-206	91.12	93.65	2.53	4ALT	Altered Feldspar Porphyry	Dark purplish-grey mottled appearance; fg gd; foln 70°ca; mod-stg bio alt sil ser ab alt w lt colouration laminated appearance; py po diss in matrix fg 1-4%; 1B 92.83-92.98 70°ca; 1alt 93.58-93.65 70°ca; lct 70°ca
WZ-18-206	93.65	98.13	4.48	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 70°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%);minor 6E + 5B frac fill 5-20 mill parallel to fabric; wk bio alt w wk-mod open closed fracs 5 10 30 50 60 70°ca w ca infil 1-2mil; ; qtz frac fill w 3-5%py po w chl bio alt 10-20% qtz 60°ca 96.28-96.58; fracturing and infill wk -mod; lct70°ca
WZ-18-206	98.13	104.52	6.39	1B	Pillowed Flows	Dark greenish-grey fine-grained wk-moderately foliated pillowed mafic volcanics. Weak to moderate patchy to banded chlorite-epidote-biotite (+/- garnet) alteration. 3-5% mm-scale quartz carb stringers frac fill and parallel to fabric. 1A 103-103.58 60°ca; lower contact sharp 70°ca
WZ-18-206	104.52	110.00	5.48	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 70°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%);minor frac filling perpendicular and parallel to fabric; wk bio alt w wk-mod open closed fracs 5 10 30 50 60 70°ca w ca infil 1-2mil; fracturing and infill wk -mod; qtz vn 104.84-104.96 70°ca; 6E 109.37-109.58 20°ca irregular; lct°ca; EOH 110m

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	14.78	15.78	1.00	160144	0.129	129		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	15.78	16.44	0.66	160145	2.11	2110		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	16.44	17.44	1.00	160146	0.066	66		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	85.70	86.70	1.00	160147	0.056	56		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	86.70	87.70	1.00	160148	2.48	2480		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	87.70	88.70	1.00	160149	0.234	234		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	OREAS 216				160150	6.59	6590		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	88.70	89.70	1.00	160151	0.94	940		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	89.70	90.50	0.80	160152	0.286	286		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	90.50	91.12	0.62	160153	0.034	34		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	91.12	92.12	1.00	160154	0.012	12		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	92.12	93.12	1.00	160155	0.008	8		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	93.12	93.65	0.53	160156	0.017	17		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	93.65	94.65	1.00	160157	0.012	12		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	94.65	95.65	1.00	160158	0.009	9		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	95.65	96.28	0.63	160159	0.038	38		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Blank				160160	0.0025	< 5		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	96.28	96.58	0.30	160161	0.272	272		
WZ-18-206	Middle Zone	Actlabs	A18-14197	01-Oct-18	03-Oct-18	Assay	96.58	97.58	1.00	160162	0.007	7		



<b>Hole Number:</b>	<b>WZ-18-207</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					27-Sep-2018	28-Sep-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	53	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	645466.82	<b>Dip:</b>	-68	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5408218.95			29-Sep-2018	29-Sep-2018	
<b>Elevation(m)</b>	407.96					
<u>Final Pick up</u>		<b>Depth(m):</b>	147.00	<b>Logger 1:</b>	Shane Moran	
<b>Easting</b>		<b>Core Size:</b>	HQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>		<b>Dip Tests</b>					
<b>Purpose of Hole</b>	Middle Zone Near Surface	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	1)1alt 20.04-21.20 Main Target 2) 1Alt +4Alt+QV 109.53-114.96 3) 1Alt 118.656-121.30	0.0	54.3	-68.0		planned	
		18.0	54.3	-68.0	5618	20ft hex 18" stab 9-11	
		51.0	54.1	-67.6	5609	20ft hex 18" stab 9-11	
		81.0	54.5	-66.9	5603	20ft hex 18" stan 9-11	
		111.0	55.4	-66.2	5615	20ft hex 18" stan 9-11	
<b>Comments</b>		145.0	54.5	-65.1	5584	20ft hex 18" stan 9-11	
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>			-7.6				
			-7.6				
			-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-207	0.00	5.42	5.42	OVB	Overburden	overburden
WZ-18-207	5.42	20.04	14.62	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed of mafics, mg plagioclase; chlorite alteration; minor ser alt; 1-3% Qtz; felsic str 5B 1-40mil width tr spotted py po frac controlled; foln ~40-50°C; wk; 5B 1.6-1.5 50°C; 5B 13.25-13.48 uct 20°C + lct 50°C; lct 50°C
WZ-18-207	20.04	21.20	1.16	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration; possible 4alt material towards the uct; frac controlled and disseminated 5-10% py po 1-2% gn 1-3% cpy 10-20% Qtz flooding QV 20.69-20.80 50°C w stg fg diss frac fill sulphides; foln 50°C stg oxidation in the lower unit; 1A 20.94-21.21 40°C lct 40°C
WZ-18-207	21.20	22.42	1.22	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol; wk-mod potassic alt'n; wk faulted fractures; str speckled bio/chl; mica; 10% mafics; barren; uct 40°C + lct 20°C
WZ-18-207	22.42	39.80	17.38	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed of mafics, mg plagioclase; chlorite alteration; minor ser alt; 1-3% Qtz; ca; foln 50°C; wk cb frac fill; minor Qtz stringers up to 1-2cm and minor 5B infill str 1-10 mil shallow 40-50°C; minor Qtz flooding bleaching; tr PoPy (<1%); 5B 22.76-22.81 40°C; 5B 22.06-22.71 50°C; 5B 27.48-24.70 50°C; Qtz vnl 34.95-35.20 10°C w chl ca infill alt; lct 40°C
WZ-18-207	39.80	70.86	31.06	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl-ep bio alt; foln 50°C; wk cb frac fill; minor Qtz stringers up to 1-10mil; minor Qtz flooding bleaching; tr PoPy (<1%); 53.64-54 mechanical breakage of core rqd = 0; 5B 56.5-56.13 20°C; 5B 56.5-56.66 uct 50°C + lct 40°C; 5B 56.92-57.10 40°C; 49.88-61 mod stg bio alt w minor closed fracs 5 10 30 50 60 70°C; QV 60.20-60.56 50°C minor chl massive bull Qtz; 63 down mod stg open closed frac w ca infill; 65.20-65.70 core brkn up; lct 30°C
WZ-18-207	70.86	77.30	6.44	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 50°C; wk potassic alt; str speckled bio/chl; mica; barren; cts 30°C
WZ-18-207	77.30	87.50	10.20	6B	Gabbro	Med greenish grey; FG-MG; mod banded ser-chl-ep bio alt; foln 50°C; wk cb frac fill; minor Qtz stringers up to 1-2cm; minor Qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk-mod open closed fracs 5 10 30 50 60 70°C w ca infill 1-2mil; 1A 77.30-77.64 50°C; lct 45°C
WZ-18-207	87.50	93.28	5.78	1B	Pillowed Flows	Dark greenish-grey fine-grained wk-moderately foliated pillowed mafic volcanics. Weak to moderate patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 1-2% mm-scale quartz carb stringers wk-mod closed frac fill 0-90°C; 1A 88.48-88.74 50°C; shear 89.88-89.94 50°C laminated appearance w ca blk mylonite chl stg foln 50°C; 5B 91.04-91.96 50°C; 1A 92.38-92.95 50°C; lower contact sharp 50°C
WZ-18-207	93.28	109.53	16.25	1A	Massive Flows	Med greenish grey; FG-MG; wk ser-chl-ep bio alt; foln 50°C; mod cb frac fill; minor Qtz stringers up to 1-2cm; minor Qtz flooding bleaching; tr PoPy (<1-2%); 5B 95.45-95.60 30°C; wk-mod bio alt w mod-stg closed fracs 5 10 30 50 60 70°C w ca infill 1-2mil minor movement visible w str; Qtz str w crenulation (deformation) visible 104.56-104.77 up and down in relation to foln 50°C; stg frac and infill closed 0-40°C (hackled/spider web appearance) w Qtz and 5B infill at 40°C w Qtz ca str 1-50mil infilling 0-40°C; lct 40°C
WZ-18-207	109.53	109.75	0.22	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration frac controlled fg and disseminated 8-12% py po 1-2% gn 1-3% cpy 10-20% Qtz flooding; foln 40°C; lct 40°C
WZ-18-207	109.75	110.30	0.55	4ALT	Altered Feldspar Porphyry	frac controlled fg and disseminated 8-12% py po 1-2% gn 1-3% cpy 10-20% Qtz flooding; Qtz flooding w stg fg scattered sulphides 10-12% Qtz 20-40% in 4alt 109.75-110.04 40°C; 4alt more typical 110.04-110.30 lct 50°C
WZ-18-207	110.30	110.75	0.45	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 50°C; wk potassic alt; str speckled bio/chl; mica; barren; uct 50°C + lct 45°C
WZ-18-207	110.75	111.05	0.30	QV	Quartz Vein	Qtz flooding w stg fg scattered sulphides 10-12% Qtz 20-40% in 4alt 109.75-110.04 40°C; 4alt more typical 110.04-110.30 lct 50°C
WZ-18-207	111.05	114.93	3.88	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow; clasts visible in unit 10 mil wide 10-30 mil long possible volcanoclastics? Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration; frac controlled fg and disseminated 5-8% py po 1% cpy 5-10% Qtz flooding str frac fill; stg patchy semi massive py in frac fill Qtz close to lct 5B; foln 40°C; lct 40°C
WZ-18-207	114.93	117.28	2.35	5B	Granodiorite	Whitish flesh pinkish blue grey; MG; weak fol 40°C; mod-stg potassic alt'n; wk faulted fractures; str speckled bio/chl; mica; barren; lct 40°C
WZ-18-207	117.28	118.56	1.28	6B	Gabbro	Med greenish grey; FG-MG; mod banded ser-chl-ep bio alt; foln 50°C; wk cb frac fill; minor Qtz stringers up to 1-2cm; minor Qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt lct 45°C

WZ-18-207	118.56	121.30	2.74	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow; clasts visible in unit 10 mil wide 10-30 mil long possible volcanoclastics? (Debris Flow?) Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration; frac controlled fg and disseminated 3-5% py po 1% cpy <5% qtz flooding str frac fill; foln 40°ca; lct 50°ca
WZ-18-207	121.30	126.38	5.08	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; 6B 126-126.38 uct 30°ca+lct 50°ca; lct 50°ca
WZ-18-207	126.38	131.26	4.88	1B	Pillowed Flows	Dark greenish-grey fine-grained wk-moderately foliated pillowed mafic volcanics. Weak to moderate patchy to banded chlorite-epidote-biotite (+/- garnet) alteration. 3-5% -3mm-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs 5 10 30 50 60 70°ca; 6E 50°ca 128.68-128.87; lower contact 50°ca
WZ-18-207	131.26	145.44	14.18	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); frac fill 5-30 mill parallel to fabric; wk bio alt w wk-mod open closed fracs 5 10 30 50 60 70°ca w ca infil 1-2mil; ; qtz frac fill w 3-6%py po w chl bio alt 5-10% qtz 40°ca 131.65-132.66 w barren 1A 131.88-132.30; fracturing and infill mod stg to 136.85; 136.85-145.44 unit relatively unaltered; lct°ca



BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	19.04	20.04	1.00	160163	0.135	135		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	20.04	21.21	1.17	160164	0.917	917		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	21.21	22.20	0.99	160165	0.057	57		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	108.33	109.53	1.20	160166	0.082	82		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	109.53	109.75	0.22	160167	4.19	3970	4.19	
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	109.75	110.30	0.55	160168	64.7	> 10000	80	64.7
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	110.30	110.75	0.45	160169	0.09	90		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	OREAS 210				160170	5.55	5550		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	110.75	111.05	0.30	160171	9.54	9110	9.54	
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	111.05	112.05	1.00	160172	2.02	2020		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	112.05	113.05	1.00	160173	0.207	207		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	113.05	114.05	1.00	160174	0.15	150		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	114.05	114.96	0.91	160175	2.14	2140		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	114.96	115.96	1.00	160176	0.013	13		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	130.65	131.65	1.00	160177	0.0025	< 5		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	131.65	132.66	1.01	160178	0.008	8		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	132.66	133.66	1.00	160179	0.0025	< 5		
WZ-18-207	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Blank				160180	0.0025	< 5		



Hole Number:

WZ-18-208

Drill Rig:

Drill 33

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					30-Sep-2018	1-Oct-2018	
<u>Planned Coordinates</u>		Azimuth:	26	Drill Contractor:	Foraco Canada Ltd		
Easting	645445.91						
Northing	5408224.64	Dip:	-45	Dates Logged:	Start Date:	End Date:	
Elevation(m)	407.79				2-Oct-2018	2-Oct-2018	
<u>Final Pick up</u>		Depth(m):	129.00	Logger 1:	Shane Moran		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Delineate near surface zoning	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	25.0	-45.3		planned	
Results	1)1alt +4Alt 20.55-21.16 Main Target 2) No Zone 100m 1M Mafic Debris Flow	14.0	25.0	-45.3	5766	6m stab 18	32.6
		45.0	25.7	-44.7	5608	6m stab 18	33.3
		75.0	21.6	-44.5	5613	6m stab 18	29.2
		105.0	20.9	-44.0	5620	6m stab 18	28.5
		125.0	20.9	-43.9	5702	6m stab 18	37.2
				-7.6			
Comments	1)Upper Zone stg 2)No Lower Zone 3). Ultra CG GABBRO 91.06-96.82 in 1M pristine 6B w frac and alt Blue Green subrounded fragments stg magnetism (magnetite) talc alt and stg bio alt halo			-7.6			
				-7.6			
				-7.6			
				-7.6			
				-7.6			
				-7.6			
Azimuth corrected to 7.6 degrees west declination				-7.6			
				-7.6			
				-7.6			

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-208	0.00	3.00	3.45	OVB	Overburden	overburden
WZ-18-208	3.00	4.00	1.00	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol; wk potassic alt; wk fractures; str speckled bio/chl; mica; 20% mafics; 5B intruding 6B w visible fracturing and small angular 6B within the 5B matrix; barren; 6B 3.40-3.75 60°ca; lct 60°ca
WZ-18-208	4.00	5.60	1.60	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ; minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B 10-20 mil; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk-mod open closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct 70°ca
WZ-18-208	5.60	6.80	1.20	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 60°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 70°ca
WZ-18-208	6.80	20.55	13.75	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ; minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 70°ca; wk cb frac fill; minor qtz stringers up to 1-20mil + minor 5B frac fill 10-60mil 5B 9.23-9.35 60°ca; 5B 10.68-10.90 40°ca; wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 1A 20.20-20.55 70°ca w banding chl bio ca alt; lct 70°ca
WZ-18-208	20.55	20.80	0.25	4ALT	Altered Feldspar Porphyry	frac controlled fg and disseminated 8-12% py po 1-2%gn 1-3% cpy 1-3% qtz flooding 20-40% in 4alt foln 70°ca; lct 70°ca
WZ-18-208	20.80	21.16	0.36	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration. frac controlled fg and disseminated 5-8% py po 1%gn 1% cpy 5-10% qtz flooding; small 5B xcutting fabric 30°ca; foln 70°ca; lct 70°ca
WZ-18-208	21.16	43.92	22.76	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ; minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 65°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac 5B fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 5B 35.51-35.84 uct 30°ca+lct 70°ca; 5B 36.72-36.88 uct 40°ca + lct 60°ca; 5B 42.20-42.88 uct 50°ca+lct 60°ca; lct 70°ca
WZ-18-208	43.92	49.93	6.01	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 65°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; minor 5B 46.03-46.09 50°ca; lct 60°ca
WZ-18-208	49.93	51.68	1.75	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 60°ca; wk potassic alt; str speckled bio/chl; mica; barren; uct 60°ca+lct 70°ca
WZ-18-208	51.68	60.82	9.14	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; 5B 52.28-52.46 uct 40°ca+lct 60°ca; 5B 54.75-55.36 uct 60°ca+lct 40°ca; 5B 54.75-55.36 uct 60°ca+lct 40°ca; lct 60°ca
WZ-18-208	60.82	64.01	3.19	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated 60°ca pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs 5 10 30 50 60 70°ca; some deformation of the unit; 1-3% fg py diss in unit; lct 60°ca
WZ-18-208	64.01	71.33	7.32	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; lct 40°ca
WZ-18-208	71.33	74.15	2.82	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 60°ca; wk potassic alt; str speckled bio/chl; mica; barren; cts 40°ca
WZ-18-208	74.15	80.20	6.05	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ; minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac 5B fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 5B 76.95-77.15 60°ca; 5B 77.71-78.24 50°ca; 1B alt deform 79.50-80.20 uct 60°ca+ lct 70°ca
WZ-18-208	80.20	84.44	4.24	5B	Granodiorite	Massive Whitish blue grey w small blo oxides; MG; weak fol 60°ca; wk potassic alt; str speckled bio/chl; mica; barren; cts 70°ca
WZ-18-208	84.44	86.60	2.16	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated 60°ca pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs 5 10 30 50 60 70°ca; lct 1B 30°ca; some deformation of the unit; 1-3% fg py diss in unit; lct 60°ca; 6E 85.80-86.60 uct 30°ca+lct 40°ca; lct 60°ca

WZ-18-208	86.60	91.06	4.46	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; stg bio alt blue grn subrounded fragments w stg bio alt w stg magnetism possible ultramafic genesis; magnetite in matrix; lct 50°ca
WZ-18-208	91.06	96.82	5.76	6B	Gabbro	****Massive CG crystalline gabbro dark grey to dark green mafic unit; Unit is composed ultra cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-5% qtz ca 1-2% py po diss scattered frac controlled w 5-10% qtz ca frac fill ; foln~70°ca wk; lct 70°ca
WZ-18-208	96.82	109.90	13.08	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; stg bio alt blue grn subrounded fragments w stg bio alt w stg magnetism possible ultramafic genesis; magnetite in matrix; lct 50°ca
WZ-18-208	109.90	110.50	0.60	1MAlt	Mafic Debris Alt	alt unit sharp cts bleached ; lt coloured fragments stg magnetism (ultramafic genesis); uct 50°ca+lct 40°ca
WZ-18-208	110.50	129.00	18.50	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; stg bio alt blue grn subrounded fragments w stg bio alt w stg magnetism possible ultramafic genesis; magnetite in matrix

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	19.55	20.55	1.00	160197	0.062	62		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	20.55	20.80	0.25	160198	1.7	1700		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	20.80	21.16	0.36	160199	0.124	124		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Blank				160200	0.0025	< 5		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	21.16	22.16	1.00	160201	0.0025	< 5		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	98.00	99.00	1.00	160202	0.0025	< 5		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	99.00	100.00	1.00	160203	0.0025	< 5		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	100.00	101.00	1.00	160204	0.0025	< 5		
WZ-18-208	Middle Zone	Actlabs	A18-14693	09-Oct-18	11-Oct-18	Assay	101.00	102.00	1.00	160205	0.0025	< 5		



Hole Number:

WZ-18-209

Drill Rig:

Drill 33

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					1-Oct-2018	2-Oct-2018	
<u>Planned Coordinates</u>		Azimuth:	21	Drill Contractor:	Foraco Canada Ltd		
Easting	645445.91						
Northing	5408224.64	Dip:	-61	Dates Logged:	Start Date:	End Date:	
Elevation(m)	407.79				3-Oct-2018	4-Oct-2018	
<u>Final Pick up</u>		Depth(m):	144.00	Logger 1:	Shane Moran		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Middle Zone Near Surface	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	23.9	-60.4		Planned	31.5
Results	1)1alt +4Alt 20.55-21.16 Main Target 2) No Zone 119m CG Gabbro + 1M Mafic Debris Flow	17.0	23.9	-60.4	5678	6m stab 18	31.5
		48.0	24.6	-60.0	5615	6m stab 18	32.2
		78.0	25.1	-58.9	5608	6m stab 18	32.7
		108.0	25.3	-58.5	5601	6m stab 18	32.9
		140.0	27.5	-57.8	5669	6m stab 18	35.1
				-7.6			
Comments	1)Upper Zone weaker 2)No Lower Zone 3). Ultra CG GABBRO grading into 1M w frac and alt Blue Green in colour subrounded fragments w stg magnetism (magnetite) talc alt and stg bio alt halo			-7.6			
				-7.6			
				-7.6			
				-7.6			
				-7.6			
				-7.6			
Azimuth corrected to 7.6 degrees west declination				-7.6			
				-7.6			
				-7.6			

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-209	0.00	2.00	2.00	OVB	Overburden	overburden
WZ-18-209	2.00	4.17	2.17	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic altn; wk fractures; str speckled bio/chl; mica; 20% mafics; 5B intruding 6B w visible fracturing and small angular 6B within the 5B matrix; barren; 6B 2.76-3 60°ca; lct60°ca.
WZ-18-209	4.17	23.02	18.85	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B 10-20 mil; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk-mod open closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 5B 6.93-6.96 50°ca; 5B 7.22-8.10 uct 35°ca+ lct 30°ca; 1M 12.90-13.20; 5B 13.94-14.52 40°ca; 6B 16.15-16.25 40°ca; ct 60°ca
WZ-18-209	23.02	23.36	0.34	4ALT	Altered Feldspar Porphyry	frac controlled fg and disseminated 5-8% py po 1%gn 1% cpy1-3% qtz flooding 20-40% in 4alt foln60°ca; lct 60°ca
WZ-18-209	23.36	23.66	0.30	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration. frac controlled fg and disseminated 3-5% py po <1%gn <1% cpy 5-10% qtz flooding; foln 60°ca; lct60°ca
WZ-18-209	23.66	50.58	26.92	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac 5B fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 1A 49.76-50.58 40°ca; 5B 25-25.40 50°ca; 5B 26.12-26.68 lct 50°ca; 5B 27.43-28.00 uct 20°ca+lct 30°ca; lct 40°ca
WZ-18-209	50.58	51.70	1.12	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; uct 40°ca+lct 50°ca; lct 50°
WZ-18-209	51.70	59.13	7.43	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; minor 5B 52.63-53.88 60°ca; 5B 55.62-56.10 50°ca; lct50°ca
WZ-18-209	59.13	60.38	1.25	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 50°
WZ-18-209	60.38	63.98	3.60	1A	Massive Flows	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 1B 63.12-63.98 50°ca; lct 50°ca
WZ-18-209	63.98	65.54	1.56	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 50°
WZ-18-209	65.54	68.13	2.59	1A	Massive Flows	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1% qtz ca felsic str tr spotty py po frac controlled; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs w ca infil 1-2mil; elongated xtals small in matrix (tuff?); lct 60°ca
WZ-18-209	68.13	69.54	1.41	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated 60°ca pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs; some deformation of the unit; <1-2% fg py diss in unit; lct 60°ca
WZ-18-209	69.54	72.03	2.49	1A	Massive Flows	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs w ca infil 1-2mil; elongated xtals small in matrix (tuff?); lct 60°ca
WZ-18-209	72.03	74.16	2.13	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated 40°ca pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs; some deformation of the unit; <1-2% fg py diss in unit; lct 40°ca
WZ-18-209	74.16	81.50	7.34	1A	Massive Flows	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs w ca infil 1-2mil; elongated xtals small in matrix (tuff?); lct 60°ca

WZ-18-209	81.50	84.85	3.35	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B 10-20 mil; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk-mod open closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct40°ca
WZ-18-209	84.85	88.10	3.25	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated 50°ca pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration; 5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs; some deformation of the unit; <1-2% fg py diss in unit; lct 50°ca
WZ-18-209	88.10	92.86	4.76	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 50°ca
WZ-18-209	92.86	100.15	7.29	1A	Massive Flows	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1% qtz ca felsic str tr spotty py po frac controlled; foln 60°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs w ca infil 1-2mil; elongated xtals small in matrix (tuff?) ; lct 60°ca; micro fracs 0-90°ca foln 60°ca 5B 30°ca 99.05-99.63; lct 30°ca 98.34-100.15 frac and infill qtz str 5B 1-30mil
WZ-18-209	100.15	102.90	2.75	5B	Granodiorite	Whitish blue grey w small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; uct 30+lct 50°ca
WZ-18-209	102.90	108.85	5.95	1M	Mafic Debris Flow	Massive stg magn to 105.46; 105.46-108.85 cg gabbro w frac infill pink rd; 5B 106.59-107.20 50°ca cts
WZ-18-209	108.85	115.24	6.39	5B	Granodiorite	pink colour granitic w minor white blue grey colouration small blk oxides; MG; weak fol 50°ca; wk potassic alt; str speckled bio/chl; mica; barren; uct 40+lct 40°ca irregular
WZ-18-209	115.24	123.66	8.42	6B	Gabbro	*****Massive CG crystalline gabbro dark grey to dark green mafic unit; Unit is composed ultra cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-5% qtz ca 1-2% py po diss scattered frac controlled w 5-10% qtz ca frac fill; In addition to pk red granitic feldspathic material; foln~50°ca wk; lct 50°ca
WZ-18-209	123.66	126.82	3.16	1M	Mafic Debris Flow	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1% qtz ca felsic str tr spotty py po frac controlled; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs w ca minor pink red infill granitic feldspathic source; infil 1-2mil; elongated xtals small in matrix (tuff?) micro fracs 0-90°ca; lct 30°ca.
WZ-18-209	126.82	128.92	2.10	1MAIt	Mafic Debris Alt	alt unit sharp cts bleached ; lt coloured fragments stg magnetism and talc alt (serpentine alt) (ultramafic genesis); cts 30°ca
WZ-18-209	128.92	130.00	1.08	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; stg bio alt blue grn subrounded fragments w stg bio alt w stg magnetism possible ultramafic genesis; talc alt; magnetite in matrix; 50°ca
WZ-18-209	130.00	144.00	14.00	6B	Gabbro	*****Massive CG crystalline gabbro dark grey to dark green mafic unit; Unit is composed ultra cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-5% qtz ca 1-2% py po diss scattered frac controlled w 5-10% qtz ca frac fill; Minor 1M in matrix; foln~50°ca wk; lct 50°ca



BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	22.02	23.02	1.00	160206	0.026	26		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	23.02	23.36	0.34	160207	0.564	564		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	23.36	23.66	0.30	160208	0.066	66		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	23.66	24.66	1.00	160209	0.011	11		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	OREAS 216				160210	5.25	5250		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	117.00	118.00	1.00	160211	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	118.00	119.00	1.00	160212	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	119.00	120.00	1.00	160213	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	120.00	121.00	1.00	160214	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	125.82	126.82	1.00	160215	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	126.82	127.82	1.00	160216	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	127.82	128.92	1.10	160217	0.0025	< 5		
WZ-18-209	Middle Zone	Actlabs	A18-15231	16-Oct-18	01-Nov-18	Assay	128.92	129.92	1.00	160218	0.0025	< 5		



<b>Hole Number:</b>	<b>WZ-18-210</b>
<b>Drill Rig:</b>	Drill 33
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					29-Sep-2018	30-Sep-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	12	<b>Drill Contractor:</b>	Foraco Canada Ltd	
<b>Easting</b>	645445.91	<b>Dip:</b>	-72	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5408224.64			30-Sep-2018	30-Sep-2018	
<b>Elevation(m)</b>	407.79					
<u>Final Pick up</u>		<b>Depth(m):</b>	175.00	<b>Logger 1:</b>	Shane Moran	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>		<b>Dip Tests</b>					
<b>Purpose of Hole</b>	Middle Zone Near Surface	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	1)1alt +4Alt 27.54-27.96 Main Target 2) No Zone 1M Mafic Debris Flow 144.50-171.38	0.0	15.0	-72.0		planned	
		12.0	15.0	-72.0	5682	6m stab 18	22.6
		42.0	13.8	-71.6	5620	6m stab 18	21.4
		75.0	14.0	-71.1	5616	6m stab 18	21.6
		105.0	15.7	-70.7	5614	6m stab 18	23.3
		135.0	15.3	-70.0	4962	az 50.1	57.7
		174.0	14.9	-69.8	5603	6m stab 18	22.5
<b>Comments</b>	1)Upper Zone stg 2)No Lower Zone 3). Ultra CG GABBRO before 5B and 1M pristine 6B w frac and alt Blue Green subrounded fragments and stg bio alt halo		-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
			-7.6				
<b>Azimuth corrected to 7.6 degrees west declination</b>			-7.6				
			-7.6				
			-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-210	0.00	3.45	3.45	OVB	Overburden	overburden
WZ-18-210	3.45	6.25	2.80	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol; wk potassic altn; wk fractures; str speckled bio/chl; mica;20% mafics; 5B intruding 6B w visible fracturing and small angular 6B within the 5B matrix; barren; lct50°ca
WZ-18-210	6.25	11.18	4.93	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B 10-70 mil; 5B 7.88-8.08 60°ca; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk-mod open closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct 40°ca
WZ-18-210	11.18	13.00	1.82	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 40°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 40°ca
WZ-18-210	13.00	20.26	7.26	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; 14.82-16.14 ground frac core; minor frac fill 5B 16.14-16.22 30°ca; 5B 16.54-16.64 uct 20°ca+lct 30°ca; uct of 5B sharp cut off 60°ca 20.26-21.12 40°ca w 5% 6B; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct 40°ca
WZ-18-210	20.26	21.12	0.86	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 40°ca; wk potassic alt; str speckled bio/chl; mica; barren; lct 40°ca
WZ-18-210	21.12	27.54	6.42	6B	Gabbro	fg-mg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration; minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct 40°ca
WZ-18-210	27.54	27.96	0.42	4ALT	Altered Feldspar Porphyry	frac controlled fg and disseminated 8-12% py po 1-2%gn 1-3% cpy1-3% qtz flooding 20-40% in 4alt foln 40°ca; lct 40°ca
WZ-18-210	27.96	28.43	0.47	1ALT	Altered Mafic Volcanic	Dark greenish-grey to dark grey to dark brownish grey fine-grained moderately to strongly sheared pillowed mafic flow. Moderate to strong banded to patchy chlorite-epidote-biotite-silica alteration. frac controlled fg and disseminated 3-5% py po 1%gn 1% cpy 5-10% qtz flooding; foln 40°ca; lct40°ca
WZ-18-210	28.43	34.33	5.90	6B	Gabbro	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; qtz vn 29-29.45 15°ca; 5B 29.88-30.43 uct 60°ca + lct 20°ca; lct 35°ca
WZ-18-210	34.33	35.55	1.22	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 40°ca; wk potassic alt; str speckled bio/chl; mica; barren; uct 35°ca +lct 40°ca
WZ-18-210	35.55	59.46	23.91	6B	Gabbro	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-20mil; minor frac fill 5B w minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w minor closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; 5B 37.16-37.20 40°ca; qtz vnl 37.54-37.64 50°ca; qtz vn 41.86-42.10 40°ca; n 5B 43.23-43.37 60°ca ; 5B 50.56-50.60 40°ca; 5B 55.06-55.10 40°ca; 1M Mafic Debris Flow gabbro w fragmental component 56.13-56.71; lct 40°ca
WZ-18-210	59.46	74.76	15.30	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 50°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; 5B 63.45-63.68 cts 40°ca; lct 40°ca
WZ-18-210	74.76	77.20	2.44	5B	Granodiorite	Whitish blue grey w small blo oxides; MG; weak fol 40°ca; wk potassic alt; str speckled bio/chl; mica; barren; cts 40°ca
WZ-18-210	77.20	104.30	27.10	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 40°ca; wk cb frac fill; minor qtz stringers up to 1-2cm; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt; wk mod frac closed open visible in unit 10 20 40 50 60 70°ca; 5B 79.08 79.98 30°ca w ground core; 5B 82.60-83.44 20°ca; lct 40°ca
WZ-18-210	104.30	107.15	2.85	1B	Pillowed Flows	Dark greenish-grey fine-grained mod stg foliated pillowed mafic volcanics; mod-stg patchy to banded chlorite-epidote-biotite (+/- garnet) alteration.;5-10% -1-10mil-scale quartz carb stringers frac fill and parallel to fabric stg closed fracs 5 10 30 50 60 70°ca; some deformation of the unit; 1-3% fg py diss in unit; lower contact30°ca
WZ-18-210	107.15	118.00	10.85	1A	Massive Flows	Med greenish grey; FG-MG; mod banded ser-chl- ep bio alt; foln 40°ca; mod cb frac fill; minor qtz stringers up to 1-5mil; minor qtz flooding bleaching; tr PoPy (<1-2%); wk bio alt w wk closed fracs 5 10 20 50 60 70°ca w ca infil 1-2mil; lct 40°ca
WZ-18-210	118.00	128.90	10.90	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln~40°ca wk; lct 50°ca

WZ-18-210	128.90	137.48	8.58	6B	Gabbro	*****Massive CG crystalline gabbro dark grey to dark green mafic unit; Unit is composed ultra cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-5% qtz ca 1-2% py po diss scattered frac controlled w 5-10% qtz ca frac fill ; foln~40°ca wk; lct 50°ca
WZ-18-210	137.48	139.83	2.35	5B	Granodiorite	Whitish blue grey flesh colouration w small blo oxides; MG; weak fol 40°ca; wk potassic alt; str speckled bio/chl; mica; barren; cts 40°ca
WZ-18-210	139.83	144.50	4.67	1A	Massive Flows	mg to cg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln~40°ca wk; gradational lct 50°ca
WZ-18-210	144.50	150.22	5.72	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; 146.20 150.22 1M w stg bio alt blue grn subrounded fragments w stg bio alt; lct 50°ca
WZ-18-210	150.22	151.44	1.22	1MAlt	Mafic Debris Alt	alt unit sharp cts bleached uct 50°ca+lct 40°ca
WZ-18-210	151.44	171.38	19.94	1M	Mafic Debris Flow	Med to dark greenish grey w/ intermittent purplish banding; fragmental/wispy w/localized shearing; mod cb; mod chl; most prominent fragments consist of 6B/1A w/6E 1A and fragments/intrusions; 1-2% qtz stringers up to 2cm; tr Po Py; 159 166 1M w stg bio alt blue grn subrounded fragments w stg bio alt; lct 50°ca
WZ-18-210	171.38	175.00	3.62	6B	Gabbro	mg to cg dark grey to dark green mafic unit; Unit is composed cg mafics mg plagioclase; chlorite alteration ;minor ser alt; 1-3% qtz ca felsic str tr spotty py po frac controlled; foln~40°ca wk; no lct

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	26.54	27.54	1.00	160181	0.021	21		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	27.54	27.96	0.42	160182	0.736	736		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	27.96	28.43	0.47	160183	0.06	60		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	28.43	29.43	1.00	160184	0.006	6		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	130.50	131.50	1.00	160185	0.018	18		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	131.50	132.50	1.00	160186	0.024	24		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	132.50	133.50	1.00	160187	0.059	59		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	145.20	146.20	1.00	160188	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	146.20	147.24	1.04	160189	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	OREAS 215				160190	3.56	3560		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	147.24	148.24	1.00	160191	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	148.24	149.24	1.00	160192	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	149.24	150.22	0.98	160193	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	150.22	150.80	0.58	160194	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	150.80	151.44	0.64	160195	0.0025	< 5		
WZ-18-210	Middle Zone	Actlabs	A18-14440	04-Oct-18	12-Oct-18	Assay	151.44	152.44	1.00	160196	0.0025	< 5		



Hole Number:

WZ-18-220

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:			
Surface					23-Sep-2018	9-Oct-2018			
Planned Coordinates		Azimuth:	52	Drill Contractor:	Forages Chibougamau Ltée				
Easting	644913								
Northing	5407890	Dip:	-75	Dates Logged:	Start Date:	End Date:			
Elevation(m)	411				24-Sep-2018	9-Oct-2018			
Final Pick up		Depth(m):	1302.00	Logger 1:	Geoff Podrucky				
Easting				Logger 2:	Andrew Wehrfritz				
Northing				Logger 3:	Jordan Keir-Sage				
Elevation(m)		Core Size:	NQ	Assay Lab:	Actlabs				
Casing		Cemented		Dip Tests					
Purpose of Hole	Exploration of Wolf Zone, First target used with Down hole IP			Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
				21.0	52.9	-74.6	56177		60.5
				51.0	51.5	-74.4	56263		59.1
Results				81.0	52.3	-74.3	56275		59.9
				111.0	50.7	-74.0	56275		58.3
				141.0	49.5	-73.7	55902		57.1
				171.0	50.4	-73.5	55774		58
				201.0	49.7	-73.1	55968		57.3
				231.0	48.7	-72.7	55941		56.3
				261.0	47.2	-72.5	55865		54.8
Comments	Geoff logged from 0-254m. Andrew Logged fro 254-1041. Jordan logged from 1041- EOH			381.0	42.6	-67.4	55799		50.2
				351.0	44.2	-69.2	55886		51.8
				321.0	43.4	-70.5	57075		51
				291.0	47.1	-71.7	55926		54.7
				471.0	43.0	-63.9	56167		50.6
				501.0	36.1	-63.3	56435		43.7
				441.0	42.0	-65.3	55956		49.6
				411.0	42.1	-65.9	55812		49.7
				561.0	47.8	-62.1	55415		55.4
				531.0	45.8	-62.7	56387		53.4
Azimuth corrected to 7.6 degrees west declination				591.0	46.1	-61.1	55694		53.7
				681.0	47.8	-60.4	55851		55.4
				651.0	47.1	-60.8	55781		54.7
				711.0	49.6	-58.9	55673		57.2
				621.0	46.7	-61.0	55673		54.3
				741.0	49.3	-58.6	56354		56.9
				771.0	48.5	-57.5	55875		56.1
				801.0	49.0	-56.4	55517		56.6
				861.0	49.5	-55.9	55792		57.1
				891.0	50.2	-55.7	56632		57.8
921.0	49.7	-55.2	55750		57.3				
951.0	50.5	-55.1	55896		58.1				
831.0	49.2	-56.1	56387		56.8				
1011.0	51.5	-54.2	55989		59.1				
1041.0	51.1	-53.7	55831		58.7				
1071.0	52.6	-52.5	55578		60.2				
1101.0	52.3	-52.2	55906		59.9				
1131.0	52.5	-51.6	55896		60.1				
1161.0	50.3	-51.2	56852		57.9				
1191.0	53.9	-50.8	55938		61.5				
1221.0	56.5	-50.6	56112		64.1				
1251.0	55.6	-50.2	55873		63.2				
1281.0	91.8	-50.0	50040		99.4				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-220	0	6	6	CAS	Casing	
WZ-18-220	6	19.1	13.1	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak to moderate foliation (40 dig TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and weak patchy to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.
WZ-18-220	19.1	20.53	1.43	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (35 dig TCA) defined by moderate disseminated biotite. 25% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched and lineated. Sharp lower contact.
WZ-18-220	20.53	25.92	5.39	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (40 dig TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and weak patchy to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.
WZ-18-220	25.92	30.09	4.17	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Moderate foliation (25 dig TCA) defined by a matrix of amphibole/biotite. Weak to moderate needly amphibole, disseminated biotite alteration. 2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Sharp lower contact.
WZ-18-220	30.09	31.71	1.62	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (30 dig TCA) defined by moderate disseminated biotite. Weak patchy sericite alteration. 20% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched and lineated. Sharp lower contact.
WZ-18-220	31.71	41.14	9.43	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (40 dig TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and weak patchy to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.
WZ-18-220	41.14	42.81	1.67	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (45 dig TCA) defined by moderate disseminated biotite. 25% minor cm-scale interval of massive mafic flow. 25-30% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched and lineated. Sharp lower contact.
WZ-18-220	42.81	51.11	8.3	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (40 dig TCA) defined by a matrix of amphibole/biotite and banded alteration. Weak to moderate needly amphibole, disseminated biotite and weak fracture-controlled to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Broken lower contact.
WZ-18-220	51.11	52.44	1.33	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate disseminated biotite and weak patchy to fracture-controlled sericite alteration. 25% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched and lineated. 5% minor cm-scale intervals of baptized mafic flow. Sharp lower contact.
WZ-18-220	52.44	59.1	6.66	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (45 dig TCA) defined by a matrix of amphibole/biotite and banded alteration. Moderate needly amphibole, disseminated biotite and weak fracture-controlled to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 5-10% minor cm-scale feldspar porphyry dykes observed. Trace blebby pyrite. Sharp lower contact.
WZ-18-220	59.1	62.35	3.25	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate disseminated biotite and weak patchy to fracture-controlled sericite alteration. Locally weak hematite staining. 30-35% subhedral feldspar phenocrysts, up to 3-4 mm wide. 5% minor cm-scale intervals of baptized mafic flow. Sharp lower contact.
WZ-18-220	62.35	64.04	1.69	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (45 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated biotite alteration. Locally weak hematite staining. 2-3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.
WZ-18-220	64.04	66.24	2.2	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (45 dig TCA) defined by moderate disseminated biotite. 30-35% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched/lineated. 10% minor cm-scale intervals of baptized mafic flow. Sharp lower contact.
WZ-18-220	66.24	67.61	1.37	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak foliation (50 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Sharp lower contact.

WZ-18-220	67.61	70.75	3.14	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (40 dig TCA) defined by moderate disseminated biotite. 30-35% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched/lineated. 15-20% minor cm-scale intervals of baptized mafic flow. Sharp lower contact.
WZ-18-220	70.75	77.47	6.72	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak to moderate foliation (35 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 15% minor cm-scale feldspar porphyry dykes, parallel to fabric. Sharp lower contact.
WZ-18-220	77.47	78.58	1.11	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak foliation (45 dig TCA) defined by moderate disseminated biotite. 30-35% subhedral feldspar phenocrysts, up to 3-4 mm wide, weakly stretched/lineated. Sharp lower contact.
WZ-18-220	78.58	122.95	44.37	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Gabbroic texture throughout unit. Weak to moderate foliation (35 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite alteration. 2% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 5% minor cm-scale feldspar porphyry dykes, mostly parallel to fabric. Sharp lower contact.
WZ-18-220	122.95	126.19	3.24	3D	Iron Formation	Dark grey to dark purplish grey, fine-grained iron formation. Cm-scales beds (30 dig TCA) of chert and mafic minerals, garnet and sulphides. 1-2% blebby pyrite, pyrrhotite and chalcopyrite. Sharp lower contact.
WZ-18-220	126.19	145.49	19.3	1A	Massive Flows	Dark grey, fine- to coarse-grained massive mafic flow. Locally gabbroic texture. Weak to moderate foliation (40 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite alteration. 3% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 3-5% minor cm-scale iron formations, parallel to fabric. 2% minor cm-scale feldspar porphyry dykes, mostly parallel to fabric. 1-2% minor cm-scale intervals of pillow mafic flow proximal to bottom contact. Sharp lower contact.
WZ-18-220	145.49	146.51	1.02	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak foliation (40 dig TCA) defined by moderate disseminated biotite. 25% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched/lineated. Sharp lower contact.
WZ-18-220	146.51	149.7	3.19	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (40 dig TCA) defined by banded alteration and quartz-carb stringers. Moderate patchy to banded chlorite-sericite-biotite alteration. 1% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Sharp lower contact.
WZ-18-220	149.7	151.5	1.8	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (40 dig TCA) defined by moderate disseminated biotite. Moderately sheared from 149.7-150.49m. Weak fracture-controlled to patchy sericitization. 25% subhedral feldspar phenocrysts, up to 5 mm wide, weakly stretched/lineated. Sharp lower contact.
WZ-18-220	151.5	153.63	2.13	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 dig TCA) defined by banded alteration and quartz-carb stringers. Moderate patchy to banded chlorite-sericite-biotite alteration. 1% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Sharp lower contact.
WZ-18-220	153.63	157.11	3.48	4B	Feldspar Porphyry	Dark purplish-grey to grey, fine- to coarse-grained feldspar porphyry. Weak to moderate foliation (35 dig TCA) defined by moderate disseminated biotite. Weakly sheared. Weak fracture-controlled to patchy sericitization. 15-20% subhedral feldspar phenocrysts, up to 2 mm wide, moderately stretched/lineated. 15-20% minor cm-scale intervals of mafic flow. Sharp lower contact.
WZ-18-220	157.11	177.65	20.54	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Locally gabbroic texture. Weak to moderate foliation (35 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite with weak patchy to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. 1-2% minor cm-scale iron formations, parallel to fabric. 2% minor cm-scale feldspar porphyry dykes, mostly parallel to fabric.
WZ-18-220	177.65	231.07	53.42	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35 dig TCA) defined by banded alteration and quartz-carb stringers. Weak to moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. 1-2% minor cm-scale feldspar porphyry dykes observed. 1% minor cm-scale intervals of iron formations with no significant mineralization. Gradational lower contact.
WZ-18-220	231.07	241.28	10.21	1A	Massive Flows	Dark grey, fine- to medium-grained massive mafic flow. Locally gabbroic texture. Weak foliation (35 dig TCA) defined by a matrix of amphibole/biotite alteration. Moderate needly amphibole, disseminated to banded biotite with weak patchy to banded chlorite-sericite alteration. 1% mm-cm scale quartz carb stringers/veinlets, cutting core at various angles. Local 1-2 mm wide fractures, filled with carbonate, cutting core at various angles (mostly 5-25 dig TCA). Gradational lower contact.



WZ-18-220	241.28	285.43	44.15	1B	Pillowed Flows	Dark greenish-grey, fine-grained pillowed mafic flow. Moderate foliation (35-40 dig TCA) defined by banded alteration and quartz-carb stringers. Moderate patchy to banded chlorite-sericite-biotite alteration. 2-3% mm-cm scale quartz-carb stringers, mostly parallel to fabric. Sharp lower contact. Narrow sections of granite at 290.3. 24 inches of missing core from 296.15 to 297 due to shell change (went from two 18" shells to two 6" shells).
WZ-18-220	285.43	318.97	33.54	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Some areas appear gabbroic. Narrow section of granite at 306.7m.
WZ-18-220	318.97	320.11	1.14	3D	Iron Formation	Fg, light grey and dark green banded unit composed predominately of alternating bands of silica and mafic minerals. Up to 2% sulphide stringers through out composed of po, and py stringers. Minor amounts of cpy. Some garnets associated with mafic banding.
WZ-18-220	320.11	332	11.89	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Intermittent calcite and quartz stringers and veinlets intersect the unit. Minor amounts of biotite and a few pillow selvage formations.
WZ-18-220	332	333.18	1.18	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	333.18	344.2	11.02	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Increased biotite alteration in the first 1 meter.
WZ-18-220	344.2	375	30.8	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers. Gradational upper contact.
WZ-18-220	375	387.67	12.67	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Increased biotite alteration in the first 2 meters.
WZ-18-220	387.67	388.1	0.43	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	388.1	392.42	4.32	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite stringers, wisps sporadically throughout.
WZ-18-220	392.42	405.16	12.74	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	405.16	419.6	14.44	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers.
WZ-18-220	419.6	468	48.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	468	476.87	8.87	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers.
WZ-18-220	476.87	480.57	3.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	480.57	487.6	7.03	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	487.6	499.11	11.51	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	499.11	501.1	1.99	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.

WZ-18-220	501.1	503.18	2.08	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Section of 3D containing up to 3% sulphide stringers from 502.8 to 503.18
WZ-18-220	503.18	511.84	8.66	1U	Ultramafic Flows	fg, dark grey mafic unit with moderate to high magnetic properties. Narrow randomly oriented black magnetic streaks throughout the unit. Quartz wisps and stringers occasionally. Minor to moderate foliation.
WZ-18-220	511.84	515.91	4.07	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	515.91	523.73	7.82	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas.
WZ-18-220	523.73	525.25	1.52	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	525.25	533.52	8.27	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas.
WZ-18-220	533.52	537.78	4.26	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures. Up to 1% disseminated py throughout.
WZ-18-220	537.78	541.9	4.12	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas.
WZ-18-220	541.9	543	1.1	3D	Iron Formation	Alternating bands of silica and mafic material. Py stringers; approx. 1 % py stringers. Narrow granite intrusions at the top 30 cm of the unit.
WZ-18-220	543	568.3	25.3	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	568.3	572.83	4.53	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures.
WZ-18-220	572.83	594.84	22.01	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers. Disseminated py in areas, up to 1%
WZ-18-220	594.84	621	26.16	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Minor amounts of disseminated po and po stringers at 615.5m.
WZ-18-220	621	639.8	18.8	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas. Gradational lower contact. infrequent pillow selvage formation. Narrow seam of graphite at 632m.
WZ-18-220	639.8	649.1	9.3	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers. Moderate magnetic properties intermittently throughout.
WZ-18-220	649.1	663	13.9	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas. Gradational upper contact.
WZ-18-220	663	674.65	11.65	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	674.65	676	1.35	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures in areas.
WZ-18-220	676	693.05	17.05	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout

WZ-18-220	693.05	694.6	1.55	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures in areas.
WZ-18-220	694.6	707.33	12.73	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	707.33	758.12	50.79	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas. Moderate to strong magnetic properties intermittently throughout. Po stringers, approx. 1% from 707.33 to 712m. Millimetric sized garnets intermittently throughout.
WZ-18-220	758.12	759.42	1.3	5B	Granodiorite	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Quartz veinlets intermittently throughout.
WZ-18-220	759.42	772.8	13.38	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer rained feldspar surrounding mafics in areas. Gabbroic texture in areas.
WZ-18-220	772.8	774	1.2	5B	Granodiorite	mg white and grey unit with black speckling composed of biotite, smokey quartz and feldspar.
WZ-18-220	774	797.33	23.33	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas. Gabbroic texture in areas. Blebby sulphides and moly in a pegmatite subunit from 782.3 to 783.22. Narrow sections of granodiorite intersect the unit occasionally at shallow core angles.
WZ-18-220	797.33	816.28	18.95	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Occasional narrow sections of granodiorite cross the unit.
WZ-18-220	816.28	843	26.72	7A	Diabase	fg to mg, dark grey mafic unit with moderate to strong magnetic properties throughout. Millimetric to centimetric sized glomerophyres suspended throughout. Predominately mafic in mineral composition with lesser amounts of feldspar. High degree of mechanical fracturing from 842m to 843m.
WZ-18-220	843	855	12	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	855	868.53	13.53	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas.
WZ-18-220	868.53	878.15	9.62	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	878.15	879.19	1.04	5B	Granodiorite	mg white and grey unit with black speckling composed of biotite, smokey quartz and feldspar. The unit contains a slight purple hue.
WZ-18-220	879.19	894	14.81	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	894	914.9	20.9	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas. Gabbroic textures in areas and minor amounts of sulphides (<<1%).
WZ-18-220	914.9	947.85	32.95	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout
WZ-18-220	947.85	990.95	43.1	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas. Series of quartz stringers from 966.7 to 967.1. Silicified section from 983.3 to 983.66 with a purple hue and approx. 4% disseminated sulphides. Granite intrusion from 987 to 987.45; high degree of bleaching in the unit surrounding the intrusion.
WZ-18-220	990.95	992	1.05	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration haloes surrounding healed fractures in areas.
WZ-18-220	992	1007.1	15.1	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers.

WZ-18-220	1007.1	1041.9	34.8	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; massive texture. Finer grained feldspar surrounding mafics in areas. Biotite alteration from 1018 to 1018.5 create a banded texture. intermittent quartz and calcite stringers and veinlets intermittently throughout. Minor amount of disseminated biotite alteration begins at approx. 1030m and increases slightly with depth.
WZ-18-220	1041.9	1044.46	2.56	4ALT	Altered Feldspar Porphyry	Purplish grey, with brown bands. Fine to medium grained altered feldspar porphyry. Foliation is significantly weaker than the usual altered feldspar porphyry. Mineralization is low 1% Py however there is 15 specs of VG in small mm sized qtz veinlets
WZ-18-220	1044.46	1048.12	3.66	1ALT	Altered Mafic Volcanic	green, grey, brown, fine to medium grained altered mafic flows, bands of biotite, carbs, and chlorite. Blebbly 1% PY
WZ-18-220	1048.12	1131.59	83.47	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, areas of coarse grained feldspars suggesting some gabbroic textures
WZ-18-220	1131.59	1134.42	2.83	1B	Pillowed Flows	green grey, fine grained pillowed flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, with very weak patchy epi/chlorite in selvages.
WZ-18-220	1134.42	1139.95	5.53	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 10% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1139.95	1141.49	1.54	1B	Pillowed Flows	green grey, fine grained pillowed flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, with very weak patchy epi/chlorite in selvages.
WZ-18-220	1141.49	1143	1.51	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 10% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1143	1144.28	1.28	1B	Pillowed Flows	green grey, fine grained pillowed flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, with very weak patchy epi/chlorite in selvages.
WZ-18-220	1144.28	1145.46	1.18	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 10% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1145.46	1147.26	1.8	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated
WZ-18-220	1147.26	1151.4	4.14	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 10% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1151.4	1158.12	6.72	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Unit also has 10 cm inclusions of ultramafics, giving gradational magnetics
WZ-18-220	1158.12	1161.97	3.85	1UT	Ultramafic Talc/Chlorite Altered	Dark green, fine grained no foliation Ultramafics. Rims of moderate chlorite. Unit has moderate magnetism
WZ-18-220	1161.97	1178.97	17	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, areas of coarse grained feldspars suggesting some gabbroic textures
WZ-18-220	1178.97	1180.49	1.52	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 20% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1180.49	1182	1.51	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, areas of coarse grained feldspars suggesting some gabbroic textures. 10% of unit is the surrounding granodiorite intruding into unit
WZ-18-220	1182	1186.92	4.92	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 20% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1186.92	1189.09	2.17	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation 1 % qtz carb stringers, pervasive chlorite, areas of coarse grained feldspars suggesting some gabbroic textures. 10% of unit is the surrounding granodiorite intruding into unit
WZ-18-220	1189.09	1192.06	2.97	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 20% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1192.06	1219.83	27.77	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated.
WZ-18-220	1219.83	1244.78	24.95	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit has varying amounts of kspar alteration surrounding clasts. Unit contains has about 25% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance, these clasts are a mix of gabbro and mafic class
WZ-18-220	1244.78	1245.98	1.2	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation, pervasive chlorite, Trace qtz carb stringers
WZ-18-220	1245.98	1247.31	1.33	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 3-4% PY.

WZ-18-220	1247.31	1247.78	0.47	4ALT	Altered Feldspar Porphyry	Purplish grey, with brown bands. Fine to medium grained altered feldspar porphyry. Foliation is significantly weaker than the usual altered feldspar porphyry. Most of the primary textures and phenocrysts are over printed with silicification.
WZ-18-220	1247.78	1249.27	1.49	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 3-4% PY
WZ-18-220	1249.27	1260.43	11.16	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation, pervasive chlorite, Trace Qtz carb stringers
WZ-18-220	1260.43	1265.7	5.27	5B	Granodiorite	Grey white fine to coarse grained granodiorite. No foliation with sharp contacts. Unit contains has about 1% cm sized mafic clasts. These clasts are sub angular giving a brecciated appearance
WZ-18-220	1265.7	1269.61	3.91	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Moderate foliation. Phenos are 15% of unit and are sub rounded and slightly elongated. There is fracture controlled bleaching
WZ-18-220	1269.61	1278.35	8.74	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. 5% of unit is intruding 5B
WZ-18-220	1278.35	1281.58	3.23	1UT	Ultramafic Talc/Chlorite Altered	Dark green, fine grained no foliation Ultramafics. Rims of moderate chlorite. Unit has moderate magnetism
WZ-18-220	1281.58	1290.46	8.88	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. 5% of unit is intruding 5B
WZ-18-220	1290.46	1302	11.54	1A	Massive Flows	green grey, fine to medium grained massive flows, moderate foliation, pervasive chlorite, Trace Qtz carb stringers

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-220	Wolf Zone	Actlabs	A18-14724	09-Oct-18	23-Oct-18	Assay	982.3	983.3	1	783206	0.014	14		
WZ-18-220	Wolf Zone	Actlabs	A18-14724	09-Oct-18	23-Oct-18	Assay	983.3	983.66	0.36	783207	0.193	193		
WZ-18-220	Wolf Zone	Actlabs	A18-14724	09-Oct-18	23-Oct-18	Assay	983.66	984.75	1.09	783208	0.007	7		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1039.9	1040.9	1	783209	0.016	16		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	OREAS 215			0	783210	3.47	3470		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1040.9	1041.9	1	783211	0.04	40		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1041.9	1042.9	1	783212	8.42	5140	11.1	8.42
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1042.9	1043.9	1	783213	5.19	3370	3.15	5.19
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Blank			0	783214	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1043.9	1044.46	0.56	783215	0.015	15		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1044.46	1045.46	1	783216	0.15	150		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1045.46	1046.46	1	783217	0.042	42		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1046.46	1047.46	1	783218	0.048	48		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1047.46	1048.12	0.66	783219	0.021	21		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Blank			0	783220	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1048.12	1049.12	1	783221	0.008	8		
WZ-18-220	Wolf Zone	Actlabs	A18-14696	09-Oct-18	12-Oct-18	Assay	1049.12	1050.12	1	783222	0.01	10		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1243.78	1244.78	1	783223	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1244.78	1245.98	1.2	783224	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1245.98	1246.31	0.33	783225	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1246.31	1247.31	1	783226	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1247.31	1247.78	0.47	783227	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1247.78	1248.27	0.49	783228	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1248.27	1249.27	1	783229	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	OREAS 216			0	783230	6.47	6470		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1249.27	1250.27	1	783231	0.0025	< 5		
WZ-18-220	Wolf Zone	Actlabs	A18-15234	16-Oct-18	02-Nov-18	Assay	1250.27	1251.27	1	783232	0.0025	< 5		



Hole Number:

WZ-18-220W

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:			
Surface					10-Oct-2018	24-Oct-2018			
Planned Coordinates		Azimuth:	52	Drill Contractor:	Forages Chibougamau Lee				
Easting	644913								
Northing	5407890	Dip:	-75	Dates Logged:	Start Date:	End Date:			
Elevation(m)	411				10-Oct-2018	26-Oct-2018			
Final Pick up		Depth(m):	1248.00	Logger 1:	Jordan Keir-Sage				
Easting				Logger 2:	Geoff Podrucky				
Northing		Core Size:	NQ	Logger 3:	Andrew Wehrfritz				
Elevation(m)				Assay Lab:	Act labs				
Casing		Cemented		Dip Tests					
Purpose of Hole	Exploration of Wolf Zone, First target used with Down hole IP	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.		
		21.0	52.9	-74.6	56177		60.5		
		51.0	51.5	-74.4	56263		59.1		
Results	Hole intersected two mineralized zones; the first was a series of mineralized 1ALT units from 905.75 to 908.1, 973.54 to 924.22, and 930.88 to 933.7. The second intersection ranged from 999.7 to 1013.06; and alternated between mineralized QV,1ALT	81.0	52.3	-74.3	56275		59.9		
		111.0	50.7	-74.0	56275		58.3		
		141.0	49.5	-73.7	55902		57.1		
		171.0	50.4	-73.5	55774		58		
		201.0	49.7	-73.1	55968		57.3		
		231.0	48.7	-72.7	55941		56.3		
		261.0	47.2	-72.5	55865		54.8		
Comments	Wedged at 300m in WZ-18-220. Geoff started logging at 1074m. Andrew started logging at 1200m	291.0	47.1	-71.7	55926		54.7		
		315.0	48.6	-67.3	56040		56.2		
		342.0	51.1	-59.3	55809		58.7		
		372.0	51.7	-58.1	55779		59.3		
		402.0	52.9	-57.4	55963		60.5		
		432.0	52.2	-56.8	56158		59.8		
		462.0	54.7	-56.0	56137		62.3		
		492.0	61.2	-55.4	56898		68.8		
		Azimuth corrected to 7.6 degrees west declination		522.0	55.8	-54.8	55539		63.4
				552.0	55.2	-54.3	55766		62.8
		582.0	57.1	-53.9	55660		64.7		
		612.0	57.8	-53.4	55624		65.4		
		642.0	58.5	-52.2	55707		66.1		
		672.0	63.8	-51.3	53203		71.4		
		702.0	60.0	-49.0	55849		67.6		
		732.0	59.8	-45.5	55868		67.4		
		762.0	60.8	-45.3	55725		68.4		
		792.0	60.5	-44.1	55849		68.1		
		822.0	58.7	-43.4	56425		66.3		
		852.0	58.7	-43.2	56412		66.3		
		882.0	58.8	-42.3	56418		66.4		
		912.0	71.6	-41.9	58640		79.2		
		942.0	58.2	-40.9	56198		65.8		
		972.0	59.3	-41.0	56712		66.9		
		1002.0	59.4	-40.2	56445		67		
		1032.0	59.6	-40.2	56522		67.2		
		1062.0	59.2	-39.2	56422		66.8		
		1092.0	59.5	-38.6	56473		67.1		
		1122.0	59.4	-38.3	56253		67		
		1152.0	59.9	-38.6	56469		67.5		
		1182.0	59.7	-38.2	56614		67.3		
		1212.0	59.5	-37.9	56512		67.1		
		1242.0	61.2	-37.6	56619		68.8		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-220W	0	295.5	295.5			Previously drilled in WZ-18-220
WZ-18-220W	295.5	327.48	31.98	1A	Massive Flows	*** Previous hole wedged at 300*** Green grey, fine to medium grained massive mafic flow. 2% qtz carb stringers
WZ-18-220W	327.48	329.02	1.54	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry, weak foliation., phenos are sub rounded and mm in sized. Fracture controlled beaching/albite?
WZ-18-220W	329.02	331.17	2.15	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, weak foliation. Pervasive chlorite with chlorite/epidote alteration in selvages
WZ-18-220W	331.17	361.27	30.1	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts
WZ-18-220W	361.27	378.52	17.25	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, weak foliation. Pervasive chlorite with chlorite/epidote alteration in selvages
WZ-18-220W	378.52	387.69	9.17	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry, weak foliation., phenos are sub rounded and mm in sized. Fracture controlled beaching/albite?
WZ-18-220W	387.69	396.25	8.56	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts
WZ-18-220W	396.25	433.37	37.12	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, weak foliation. Pervasive chlorite with chlorite/epidote alteration in selvages
WZ-18-220W	433.37	452.38	19.01	6B	Gabbro	Green grey, fine to coarse grained gabbro, very weak foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts
WZ-18-220W	452.38	471.41	19.03	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	471.41	477.18	5.77	1UT	Ultramafic Talc/Chlorite Altered	Grey, black, fine grained, ultra mafics. Weak chlorite alteration, with some talc filled fractures. Unit is magnetic and soft
WZ-18-220W	477.18	480.72	3.54	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	480.72	485.82	5.1	1UT	Ultramafic Talc/Chlorite Altered	Grey, black, fine grained, ultra mafics. Weak chlorite alteration, with some talc filled fractures. Unit is magnetic and soft
WZ-18-220W	485.82	522.18	36.36	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, 489- 501m has some gabbroic textures
WZ-18-220W	522.18	529.75	7.57	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry, weak foliation., phenos are sub rounded and mm in sized.
WZ-18-220W	529.75	539.4	9.65	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	539.4	566.7	27.3	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, weak foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	566.7	587.46	20.76	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	587.46	589.3	1.84	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry, weak foliation., phenos are sub rounded and mm in sized.
WZ-18-220W	589.3	625.91	36.61	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, strong foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	625.91	631.23	5.32	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	631.23	634.28	3.05	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, strong foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	634.28	680.3	46.02	6B	Gabbro	Green grey, fine to coarse grained gabbro, moderate foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts, unit has moderate magnetics
WZ-18-220W	680.3	681.68	1.38	6E	Intermediate Dyke	
WZ-18-220W	681.68	699	17.32	6B	Gabbro	Green grey, fine to coarse grained gabbro, moderate foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts, unit has moderate magnetics small fault near 693m
WZ-18-220W	699	732.01	33.01	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, moderate foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	732.01	755.44	23.43	7A	Diabase	Black grey, fine to medium grained, diabase, Coarse glaphyrid feldspars. Unit is slightly magnetic
WZ-18-220W	755.44	768.67	13.23	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, moderate foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	768.67	788.32	19.65	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	788.32	805.65	17.33	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, moderate foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite



WZ-18-220W	805.65	806.77	1.12	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry, weak foliation., phenos are sub rounded and mm in sized.
WZ-18-220W	806.77	810.85	4.08	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, moderate foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	810.85	831.66	20.81	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	831.66	850.93	19.27	5B	Granodiorite	white grey, fine to coarse grained, granodiorite
WZ-18-220W	850.93	863	12.07	6B	Gabbro	Green grey, fine to coarse grained gabbro, moderate foliation. Moderate pervasive chlorite with weak interstitial biotite. Chlorite grains are squished and slightly elongated. Grain size is overall coarse but is variable near contacts, unit has moderate magnetics, small fault near 693m
WZ-18-220W	863	901.76	38.76	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers
WZ-18-220W	901.76	905.75	3.99	1B	Pillowed Flows	Green grey, fine grained Pillowed mafic flow, moderate foliation. Pervasive chlorite with chlorite/epidote alteration in selvages. Interstitial biotite
WZ-18-220W	905.75	908.1	2.35	1ALT	Altered Mafic Volcanic	Medium to dark green with brown tinge of moderate biotite alteration in weak to moderate shearing fabric giving a banded appearance. 5% po/py along fracture planes. Unit contains local quartz veining and flooding.
WZ-18-220W	908.1	923.84	15.74	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 15% granodiorite clasts.
WZ-18-220W	923.84	924.22	0.38	1ALT	Altered Mafic Volcanic	Medium to dark green with brown tinge of moderate biotite alteration in weak to moderate shearing fabric giving a banded appearance. 5% po/py along fracture planes trace SP. Unit contains local quartz veining and flooding.
WZ-18-220W	924.22	930.88	6.66	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 15% granodiorite clasts. Unit has 1-2% sulfides
WZ-18-220W	930.88	933.7	2.82	1ALT	Altered Mafic Volcanic	Medium to dark green with brown tinge of moderate biotite alteration in weak to moderate shearing fabric giving a banded appearance. 5% po/py along fracture planes. Unit contains local quartz veining and flooding.
WZ-18-220W	933.7	939.68	5.98	5B	Granodiorite	Light grey to white. Medium grained massive intrusive with amphiboles and quartz and feldspar.
WZ-18-220W	939.68	973.39	33.71	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	973.39	974.94	1.55	5B	Granodiorite	white grey, fine to coarse grained, granodiorite, interstitial black biotite
WZ-18-220W	974.94	990.95	16.01	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Qtz veins are brecciated with angular qtz clasts throughout unit. Pyrite is disseminated and located along some of fractured qtz. Trace Sphalerite is also found along some fractures
WZ-18-220W	990.95	999.7	8.75	1A	Massive Flows	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite Qtz veins are brecciated with angular qtz clasts throughout unit. Pyrite is disseminated and located along some of fractured qtz.
WZ-18-220W	999.7	1000.52	0.82	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Pyrite is disseminated and located along some of fractured qtz.
WZ-18-220W	1000.52	1000.97	0.45	QV	Quartz Vein	Smokey qtz vein slightly fracture and in filled with chlorite and biotite secondary mineralization, 5% pyrite is disseminated in the coarse 2% sphalerite is within the fractures. Trace galena was noted
WZ-18-220W	1000.97	1004.96	3.99	4ALT	Altered Feldspar Porphyry	silicified Smokey grey unit with a purple hue. Light green sericite alteration haloed along healed fractures. 5% PY, with trace galena and sphalerite
WZ-18-220W	1004.96	1013.06	8.1	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Pyrite is disseminated and located along some of fractured qtz.
WZ-18-220W	1013.06	1014.37	1.31	5B	Granodiorite	Light grey to white. Medium grained massive intrusive with amphiboles and quartz and feldspar.
WZ-18-220W	1014.37	1023.03	8.66	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	1023.03	1028.87	5.84	5B	Granodiorite	Light grey to pinkish, white. Medium grained massive intrusive with amphiboles and quartz and feldspar. Unit contains pervasive kspar alteration with some epid alerion in fractures
WZ-18-220W	1028.87	1032.2	3.33	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	1032.2	1035.17	2.97	5B	Granodiorite	Light grey to pinkish, white. Medium grained massive intrusive with amphiboles and quartz and feldspar. Unit contains pervasive kspar alteration with some epid alerion in fractures
WZ-18-220W	1035.17	1037.9	2.73	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.

WZ-18-220W	1037.9	1041.7	3.8	5B	Granodiorite	Light grey to pinkish, white. Medium grained massive intrusive with amphiboles and quartz and feldspar. Unit contains pervasive kspar alteration with some epidalerion in fractures
WZ-18-220W	1041.7	1045.13	3.43	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	1045.13	1049.86	4.73	5B	Granodiorite	Light grey to pinkish, white. Medium grained massive intrusive with amphiboles and quartz and feldspar. Unit contains pervasive kspar alteration with some epidalerion in fractures
WZ-18-220W	1049.86	1050.89	1.03	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	1050.89	1056	5.11	5B	Granodiorite	Light grey to pinkish, white. Medium grained massive intrusive with amphiboles and quartz and feldspar. Unit contains pervasive kspar alteration with some epidalerion in fractures
WZ-18-220W	1056	1081.7	25.7	1A	Massive Flows	Green grey, fine to medium grained massive flow, weak foliation. Moderate pervasive chlorite with weak interstitial biotite. 1% qtz carb stringers, unit does have about 25% granodiorite clasts.
WZ-18-220W	1081.7	1086.85	5.15	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 15-20% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. Sharp lower contact.
WZ-18-220W	1086.85	1114.97	28.12	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Locally grading into coarse-grained with a gabbroic texture. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit with local patches of garnet. 2-3% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-220W	1114.97	1117.2	2.23	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. Sharp lower contact.
WZ-18-220W	1117.2	1124.64	7.44	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Locally grading into coarse-grained with a gabbroic texture. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit with local patches of garnet. 2-3% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. Sharp lower contact.
WZ-18-220W	1124.64	1129.75	5.11	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 2-3% minor cm-scale intervals of mafic flow. Sharp lower contact.
WZ-18-220W	1129.75	1131.06	1.31	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 20% minor cm-scale feldspar porphyry observed. Sharp lower contact.
WZ-18-220W	1131.06	1139.72	8.66	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 15-20% minor cm-scale, sub-rounded xenoliths of mafic flow. Sharp lower contact.
WZ-18-220W	1139.72	1148.29	8.57	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 10% minor cm-scale granodiorite dykes observed. Sharp lower contact.
WZ-18-220W	1148.29	1151.82	3.53	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 15-20% minor cm-scale, sub-rounded xenoliths of mafic flow. Sharp lower contact.
WZ-18-220W	1151.82	1155.33	3.51	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 3-5% minor cm-scale granodiorite and feldspar porphyry dykes observed. Sharp lower contact.
WZ-18-220W	1155.33	1156.67	1.34	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 25-30% minor cm-scale, sub-rounded xenoliths of mafic flow. Sharp lower contact.

WZ-18-220W	1156.67	1157.83	1.16	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 3-5% minor cm-scale granodiorite and feldspar porphyry dykes observed. Sharp lower contact.
WZ-18-220W	1157.83	1159.99	2.16	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 25% minor cm-scale, sub-rounded xenoliths of mafic flow. Sharp lower contact.
WZ-18-220W	1159.99	1162.1	2.11	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak patchy to banded chlorite-biotite throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 3-5% minor cm-scale granodiorite and feldspar porphyry dykes observed. 2-3% blebby pyrrhotite from 1161-1162m. Sharp lower contact.
WZ-18-220W	1162.1	1185.54	23.44	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 15-20% minor cm-scale, sub-rounded xenoliths of mafic flow. Irregular lower contact, the concentration and size of mafic flow xenoliths increases from 1183-1185.54m.
WZ-18-220W	1185.54	1200	14.46	1A	Massive Flows	Dark greenish-grey, fine- to medium-grained massive flow. Weak to moderate foliation (55-60 deg TCA) defined by banded alteration and matrix of amphibole and biotite. Weak to moderate patchy to banded chlorite-biotite-alkali feldspar throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 1-2% minor cm-scale granodiorite dykes observed.
WZ-18-220W	1200	1220.88	20.88	1B	Pillowed Flows	fg, dark greenish-grey mafic unit. Weak to moderate foliation (55-60 deg TCA) defined by approx. 10-15% centimetric to millimetric wide banded chlorite and epidote. alteration composed of millimetric to centimetric epidote and chlorite alteration. Weak to moderate patchy to banded chlorite-biotite-alkali feldspar throughout unit. 1-2% mm-cm scale quartz carb stringers/veinlets, mostly parallel to fabric. Local fractures observed, up to 1-2 mm wide and filled with carbonate, cutting core at various angles. 1-2% minor cm-scale granodiorite dykes observed.
WZ-18-220W	1220.88	1225.85	4.97	6B	Gabbro	cg, dark green unit composed predominately of mafics (py and amph) with minor amounts of lighter green chlorite interstitially. Up to 1% blebby py. No foliation
WZ-18-220W	1225.85	1239.43	13.58	5B	Granodiorite	Light-grey, fine- to medium-grained, massive granodiorite. 25% fine-grained mafic minerals. Weak to moderate needly amphibole and disseminated biotite throughout unit. 15-20% minor cm-scale, sub-rounded xenoliths of mafic flow.
WZ-18-220W	1239.43	1248	8.57	6B	Gabbro	cg, dark green unit composed predominately of mafics (py and amph) with minor amounts of lighter green chlorite interstitially. Section of pegmatite from 1241 to 1241.3. up to .5% blebby py. No foliation

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	486	487	1	783233	0.005	5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	665	666	1	783234	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	621.5	622.31	0.81	783235	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	903.75	904.75	1	783236	0.042	42		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	904.75	905.75	1	783237	0.045	45		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	905.75	906.75	1	783238	0.054	54		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	906.75	907.75	1	783239	0.775	775		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Blank			0	783240	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	907.75	908.1	0.35	783241	0.11	110		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	908.1	909.1	1	783242	0.022	22		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	909.1	910.1	1	783243	0.019	19		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	917	918	1	783244	0.018	18		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	918	919	1	783245	0.174	174		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	919	920	1	783246	0.013	13		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	920	921	1	783247	0.098	98		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	921	922	1	783248	0.059	59		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	922	923	1	783249	0.01	10		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	OREAS 210			0	783250	5.26	5260		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	923	923.84	0.84	783251	0.011	11		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	923.84	924.22	0.38	783252	0.453	453		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	924.22	925	0.78	783253	0.024	24		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	925	926	1	783254	0.052	52		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	926	927	1	783255	0.022	22		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	927	928	1	783256	0.035	35		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	928	929	1	783257	0.076	76		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	929	930	1	783258	0.094	94		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	930	930.88	0.88	783259	0.072	72		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Blank			0	783260	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	930.88	931.88	1	783261	0.264	264		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	931.88	932.88	1	783262	0.04	40		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	932.88	933.7	0.82	783263	0.159	159		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	933.7	934.7	1	783264	0.05	50		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	934.7	935.7	1	783265	0.01	10		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	972.39	973.39	1	783266	0.006	6		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	973.39	974	0.61	783267	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	974	974.94	0.94	783268	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	974.94	976	1.06	783269	1.72	1720		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	OREAS 216			0	783270	6.44	6440		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	976	977	1	783271	0.448	448		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	977	978	1	783272	4.35	4530	4.35	
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	978	979	1	783273	4.19	3480	4.19	
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	979	980	1	783274	0.079	79		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	980	981	1	783275	0.629	629		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	981	982	1	783276	0.59	590		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	982	983	1	783277	0.414	414		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	983	984	1	783278	0.051	51		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	984	985	1	783279	0.03	30		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Blank			0	783280	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	985	986	1	783281	0.029	29		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	986	987	1	783282	0.049	49		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	987	988	1	783283	0.057	57		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	988	989	1	783284	0.031	31		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	989	990	1	783285	0.034	34		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	990	990.93	0.93	783286	0.031	31		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	990.93	992	1.07	783287	0.015	15		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	992	993	1	783288	0.092	92		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	993	994	1	783289	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	OREAS 215			0	783290	3.45	3450		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	994	995	1	783291	0.007	7		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	995	996	1	783292	0.01	10		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	996	997	1	783293	0.014	14		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	997	998	1	783294	0.028	28		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	998	999	1	783295	0.018	18		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	999	999.7	0.7	783296	0.021	21		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	999.7	1000.52	0.82	783297	0.174	174		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1000.52	1000.97	0.45	783298	7.95	7980	7.95	
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1000.97	1002	1.03	783299	5.06	4100	5.06	
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Blank			0	783300	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1002	1003	1	783301	1.42	1420		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1003	1004	1	783302	0.692	692		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1004	1004.96	0.96	783303	0.636	636		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1004.96	1006	1.04	783304	0.085	85		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1006	1007	1	783305	0.015	15		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1007	1008	1	783306	0.007	7		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1008	1009	1	783307	0.009	9		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1009	1010	1	783308	0.017	17		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1010	1011	1	783309	0.059	59		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	OREAS 210			0	783310	5.39	5390		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1011	1012	1	783311	0.008	8		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1012	1013.06	1.06	783312	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1013.06	1014.14	1.08	783313	0.0025	< 5		

WZ-18-220W	Wolf Zone	Actlabs	A18-16397	31-Oct-18	07-Nov-18	Assay	1014.14	1015.14	1	783314	0.006	6		
WZ-18-220W	Wolf Zone	Actlabs	A18-16716	09-Nov-18	03-Dec-18	Assay	1149	1149.59	0.59	783315	0.0025	< 5		
WZ-18-220W	Wolf Zone	Actlabs	A18-16716	09-Nov-18	03-Dec-18	Assay	1161	1162	1	783316	0.0025	< 5		



Hole Number:

WZ-18-221

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Oct-24-2018	6-Nov-2018	
<u>Planned Coordinates</u>		Azimuth:	52	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644913						
Northing	5407890	Dip:	-71	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				Oct-27-2018	6-Nov-2018	
<u>Final Pick up</u>		Depth(m):	1206.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:	Jordan Keir-Sage		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)							
Casing				Assay Lab:	Actlabs		
Purpose of Hole	Infill drilling of the Wolf Zone.	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Ore zone intersected in between 921.81 - 933.12. alternating bands of altered mafics and feldspar porphyry. Multiple qtz veins in zone. Total of 17 specs of VG located in qtz veins	18.0	51.5	-70.4	57103		59.1
		48.0	52.4	-70.3	56816		60
		78.0	52.8	-70.2	56772		60.4
		108.0	50.5	-69.9	56721		58.1
		138.0	51.6	-69.8	56636		59.2
		168.0	50.2	-69.4	56680		57.8
		198.0	52.0	-66.5	56705		59.6
		228.0	50.7	-64.8	56776		58.3
Comments		258.0	50.2	-64.1	56508		57.8
		288.0	54.3	-64.0	56737		61.9
		318.0	51.8	-63.6	56472		59.4
		348.0	51.1	-63.8	56636		58.7
		378.0	56.1	-63.7	56808		63.7
		408.0	52.3	-62.6	57076		59.9
		438.0	49.1	-61.6	57039		56.7
		468.0	59.1	-60.2	61804		66.7
		498.0	52.4	-59.7	56616		60
		528.0	53.0	-59.6	56402		60.6
		558.0	51.9	-59.3	56397		59.5
		588.0	52.5	-56.8	56294		60.1
Azimuth corrected to 7.6 degrees west declination		618.0	52.0	-56.3	56201		59.6
		648.0	55.1	-56.0	61140		62.7
		678.0	52.6	-55.3	56239		60.2
		708.0	53.4	-54.5	56011		61
		741.0	50.4	-54.0	56952		58
		771.0	53.0	-52.6	56971		60.6
		801.0	53.0	-51.8	56570		60.6
		831.0	53.0	-51.3	56543		60.6
		861.0	53.2	-50.9	56621		60.8
		891.0	53.9	-49.3	56479		61.5
		921.0	53.8	-48.6	56478		61.4
		951.0	54.0	-48.0	56560		61.6
981.0	55.4	-47.9	56751		63		
1011.0	54.8	-47.6	58067		62.4		
1041.0	55.0	-47.2	56729		62.6		
1071.0	54.3	-46.7	56745		61.9		
1101.0	54.8	-46.2	56818		62.4		
1191.0	55.0	-45.0	56764		62.6		
1161.0	54.3	-45.1	56582		61.9		
1131.0	54.7	-45.6	56617		62.3		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-221	0	1.52	1.52	OVB	Overburden	
WZ-18-221	1.52	22	20.48	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially as well. Intermittent calcite and quartz stringers.
WZ-18-221	22	25.84	3.84	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained. Finer grained feldspar surrounding mafics in areas. Gabbroic texture from 24 to 25.84. Gradational upper an lower contacts. Biotite alteration interstitially from 22m to 24m.
WZ-18-221	25.84	27.4	1.56	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly strained and elongated millimetric white feldspar phenocrysts.
WZ-18-221	27.4	34.51	7.11	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics with weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially are observed as well. Intermittent calcite and quartz stringers.
WZ-18-221	34.51	35.78	1.27	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly strained and elongated millimetric sized white feldspar phenocrysts.
WZ-18-221	35.78	51.65	15.87	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics with weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Lesser amounts of fg grey feldspar interstitially are observed as well. Intermittent calcite and quartz stringers. Minor amounts of biotite alteration interstitially. Unit composition changes slightly at 45; feldspar component of fg matrix disappears and is entirely mafic in composition; some crystals become slightly more coarse ( up to 8mm across).
WZ-18-221	51.65	53.31	1.66	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly strained and elongated millimetric sized white feldspar phenocrysts.
WZ-18-221	53.31	54.74	1.43	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics with weak foliation. Coarser grained minerals are mafic in composition, up to 8mm across, and suspended in a finer mafic ground mass. Intermittent calcite and quartz stringers. Minor amounts of biotite alteration interstitially.
WZ-18-221	54.74	61.44	6.7	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly strained and elongated millimetric sized white feldspar phenocrysts. Some phenocrysts are stained pink. Very weak foliation
WZ-18-221	61.44	67.7	6.26	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; some coarse grained mafics intermittently. Finer grained feldspar surrounding mafics in areas. Borderline gabbroic in areas. Biotite alteration interstitially.
WZ-18-221	67.7	68.9	1.2	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing lightly strained and elongated millimetric sized white feldspar phenocrysts. Very weak foliation
WZ-18-221	68.9	106.4	37.5	6B	Gabbro	fg to cg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to coarse grained. weak foliation. Coarser grained minerals are mafic in composition and suspended in a finer mafic ground mass. Intermittent calcite and quartz stringers. Quartz vein from 96.42 to 96.9 with narrow sections of 4b and narrow mafic lineations.
WZ-18-221	106.4	109.05	2.65	3D	Iron Formation	fg, light grey unit with a slight purple hue and a banded texture. Unit is composed predominately of felsic minerals with darker lineations of mafics producing a banded texture. Sulphide stringers are associated with some of these mafic lineations; approx. 1-2% overall; po, py and lesser amounts of cpy.
WZ-18-221	109.05	116	6.95	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics ranging from fine grained to medium grained; some coarse grained mafics intermittently which produce a gabbroic texture. Finer grained feldspar surrounding mafics in areas. Biotite alteration interstitially.
WZ-18-221	116	118	2	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5 to 15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Increased biotite banding from 117 to 117.73.
WZ-18-221	118	126.11	8.11	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics. Finer grained feldspar surrounding mafics in areas. Biotite alteration interstitially. Occasional calcite/quartz wisps.
WZ-18-221	126.11	138.44	12.33	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~10 to 15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding and millimetric sized garnet associated with some of these selvages. Calcite/qtz stringers, wisps and veinlets intermittently throughout. Frequent narrow sections of feldspar porphyry cross cut the unit throughout.
WZ-18-221	138.44	139.63	1.19	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing moderately strained and elongated millimetric white feldspar phenocrysts.

WZ-18-221	139.63	143.34	3.71	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor Biotite alteration interstitially. Occasional calcite/quartz wisps.
WZ-18-221	143.34	144.97	1.63	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-221	144.97	252	107.03	1B	Pillowed Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor Biotite alteration interstitially and millimetric sized garnets. Up to 20+ calcite/quartz wisps stringers or veinlets/ meter. Occasional narrow sections of feldspar porphyry units cross cut the unit. Mechanically fractured core from 197 to 198.
WZ-18-221	252	285.67	33.67	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor Biotite alteration interstitially. Occasional calcite/quartz wisps.
WZ-18-221	285.67	287.38	1.71	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	287.38	319.55	32.17	6B	Gabbro	Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains
WZ-18-221	319.55	321.67	2.12	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	321.67	326.2	4.53	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	326.2	334.26	8.06	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	334.26	336.09	1.83	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	336.09	346.04	9.95	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	346.04	347.56	1.52	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	347.56	350.96	3.4	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	350.96	354.46	3.5	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	354.46	360.71	6.25	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	360.71	407.39	46.68	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	407.39	411.78	4.39	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	411.78	429.6	17.82	6B	Gabbro	Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains
WZ-18-221	429.6	441.46	11.86	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	441.46	446.3	4.84	1UT	Ultramafic Talc/Chlorite Altered	dark green to black, very fine grained ultramafic, unit has no foliation, magnetic. possible sheared/ altered ,mafic incorporated into unit
WZ-18-221	446.3	448.11	1.81	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	448.11	449.15	1.04	3D	Iron Formation	brown grey green, banded unit. Unit is comprised of banded chert, mafics, qtz/carb, and PO stringers. Stringers make up 2% of unit
WZ-18-221	449.15	451.31	2.16	1UT	Ultramafic Talc/Chlorite Altered	dark green to black, very fine grained ultramafic, unit has no foliation, magnetic.
WZ-18-221	451.31	463.29	11.98	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	463.29	466	2.71	1UT	Ultramafic Talc/Chlorite Altered	dark green to black, very fine grained ultramafic, unit has no foliation, magnetic.
WZ-18-221	466	467.1	1.1	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	467.1	470.26	3.16	1UT	Ultramafic Talc/Chlorite Altered	dark green to black, very fine grained ultramafic, unit has no foliation, magnetic. Core is blocky and broken
WZ-18-221	470.26	472.37	2.11	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	472.37	479.75	7.38	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	479.75	485.4	5.65	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stringers
WZ-18-221	485.4	488.07	2.67	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated



WZ-18-221	488.07	495.73	7.66	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	495.73	499.46	3.73	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated, there is a smaller minor feldspar porphyry with the unit that has larger rounded phenos, while maintaining the same purplish hue/groundmass. Contacts are sharp
WZ-18-221	499.46	505.27	5.81	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers
WZ-18-221	505.27	516.43	11.16	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	516.43	547.14	30.71	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers
WZ-18-221	547.14	569.31	22.17	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	569.31	570.42	1.11	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	570.42	572.89	2.47	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	572.89	612.98	40.09	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers
WZ-18-221	612.98	618.09	5.11	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 2 blebs of moly in small qtz vein
WZ-18-221	618.09	621	2.91	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers
WZ-18-221	621	660.89	39.89	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, unit has weak magnetics
WZ-18-221	660.89	663.65	2.76	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers
WZ-18-221	663.65	670.75	7.1	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	670.75	672.63	1.88	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	672.63	699.16	26.53	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	699.16	721.94	22.78	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers. Bands of garnets are located near selvages
WZ-18-221	721.94	730.63	8.69	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	730.63	754.89	24.26	7A	Diabase	Black grey fine to medium grained diabase, with large feldspar glomophyers. Unit has no foliation, and is magnetic
WZ-18-221	754.89	778.62	23.73	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers. Bands of garnets are located near selvages
WZ-18-221	778.62	791.15	12.53	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	791.15	811.97	20.82	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers. Bands of garnets are located near selvages
WZ-18-221	811.97	921.81	109.84	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite grain size is variable thorough unit
WZ-18-221	921.81	923.58	1.77	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 3-5% PY 1-2 PO.
WZ-18-221	923.58	923.65	0.07	QV	Quartz Vein	Smokey qtz vein slightly fractured and in filled with chlorite and biotite secondary mineralization, 1 spec of VG
WZ-18-221	923.65	924	0.35	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 3-5% PY 1-2 PO.
WZ-18-221	924	925.51	1.51	4ALT	Altered Feldspar Porphyry	silicified Smokey grey unit with a purple hue. Light green sericite alteration haloed along healed fractures. 5% PY 1% PO
WZ-18-221	925.51	927.1	1.59	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 10% PY 1-2% PO.
WZ-18-221	927.1	927.23	0.13	QV	Quartz Vein	Smokey qtz vein slightly fractured and in filled with chlorite and biotite secondary mineralization, 16 specs of VG, with possible SP

WZ-18-221	927.23	928.17	0.94	4ALT	Altered Feldspar Porphyry	silicified Smokey grey unit with a purple hue. Light green sericite alteration haloed along healed fractures. 5% PY 1% PO
WZ-18-221	928.17	928.77	0.6	QV	Quartz Vein	Smokey qtz vein slightly fractured and in filled with chlorite and biotite secondary mineralization, with trace SP
WZ-18-221	928.77	929.16	0.39	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 3-4% PY.
WZ-18-221	929.16	930.33	1.17	4ALT	Altered Feldspar Porphyry	silicified Smokey grey unit with a purple hue. Light green sericite alteration haloed along healed fractures. 5% PY 1% PO
WZ-18-221	930.33	933.12	2.79	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained massive flows, slight alteration with silicification and sericite. Over 1% PY.
WZ-18-221	933.12	936.54	3.42	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	936.54	938.45	1.91	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	938.45	944.54	6.09	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	944.54	946.44	1.9	5B	Granodiorite	Light grey to white. Medium grained massive intrusive with amphiboles and quartz and feldspar.
WZ-18-221	946.44	1000.56	54.12	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite. This unit also has a sub unit between 964 - 979 of slightly altered brecciated qtz veins. The qtz breccia makes up 5% of the subunit. sub unit is slightly altered, similar to 1ALT, with out the shearing
WZ-18-221	1000.56	1007.98	7.42	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite. This unit also has numerous granodiorite intrusions giving a brecciated appearance
WZ-18-221	1007.98	1024.47	16.49	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1024.47	1026.24	1.77	5B	Granodiorite	Light grey to white/pink. Medium grained massive intrusive with amphiboles and quartz and feldspar. Pervasive Kspar and silicification
WZ-18-221	1026.24	1027.9	1.66	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1027.9	1030.9	3	5B	Granodiorite	Light grey to white/pink. Medium grained massive intrusive with amphiboles and quartz and feldspar. Pervasive Kspar and silicification
WZ-18-221	1030.9	1043.43	12.53	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite unit has some broken blocky core. Possibly faulting
WZ-18-221	1043.43	1048.63	5.2	5B	Granodiorite	Light grey to white/pink. Medium grained massive intrusive with amphiboles and quartz and feldspar. Pervasive Kspar and silicification
WZ-18-221	1048.63	1096.18	47.55	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1096.18	1113.29	17.11	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers. Bands of garnets are located near selvages
WZ-18-221	1113.29	1114.95	1.66	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	1114.95	1116.81	1.86	1B	Pillowed Flows	Dark grey to green, fine grained pillowed mafic flows. Moderate foliation. Some patches of interstitial biotite, pervasive chlorite, selvages are altered with epidote and chlorite. <1% qtz carb stingers. Bands of garnets are located near selvages
WZ-18-221	1116.81	1130.4	13.59	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1130.4	1137.28	6.88	5B	Granodiorite	Light grey to white/pink. Medium grained massive intrusive with amphiboles and quartz and feldspar. Pervasive Kspar and silicification
WZ-18-221	1137.28	1184.56	47.28	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1184.56	1187.6	3.04	5B	Granodiorite	Light grey to white/pink. Medium grained massive intrusive with amphiboles and quartz and feldspar. Pervasive Kspar and silicification
WZ-18-221	1187.6	1193.51	5.91	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite
WZ-18-221	1193.51	1195.47	1.96	4B	Feldspar Porphyry	Purplish grey feldspar porphyry, moderate foliation. Phenocrysts are corroded and elongated
WZ-18-221	1195.47	1206	10.53	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	106	106.4	0.4	783317	0.008	8		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	106.4	107	0.6	783318	0.007	7		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	107	108	1	783319	0.011	11		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Blank			0	783320	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	108	109.05	1.05	783321	0.017	17		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	109.05	110	0.95	783322	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	345	346	1	783323	0.005	5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	346	347	1	783324	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	347	347.56	0.56	783325	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	347.56	348.56	1	783326	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	919.89	920.89	1	783327	0.016	16		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	920.89	921.89	1	783328	0.018	18		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	921.89	923	1.11	783329	0.05	50		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	OREAS 215			0	783330	3.44	3440		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	923	924	1	783331	2.25	2250		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Blank			0	783332	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	924	925	1	783333	0.295	295		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	925	925.51	0.51	783334	1.13	1130		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	925.51	926.51	1	783335	0.13	130		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	926.51	927.1	0.59	783336	0.35	350		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	927.1	928.1	1	783337	9.3	8770	9.3	
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Blank			0	783338	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	928.1	928.77	0.67	783339	5.41	5550	5.41	
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Blank			0	783340	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	928.77	929.16	0.39	783341	5.88	5920	5.88	
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	929.16	930	0.84	783342	0.352	352		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	930	930.35	0.35	783343	0.286	286		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	930.35	931	0.65	783344	0.074	74		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	931	932	1	783345	0.03	30		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	932	933.12	1.12	783346	0.028	28		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	933.12	934.12	1	783347	0.027	27		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	934.12	935.12	1	783348	0.011	11		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	935.12	936.12	1	783349	0.01	10		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	OREAS 216			0	783350	6.55	6550		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	964	965	1	783351	0.012	12		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	965	966	1	783352	0.199	199		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	966	967	1	783353	0.018	18		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	967	968	1	783354	0.016	16		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	968	969	1	783355	0.028	28		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	969	970	1	783356	0.015	15		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	970	971	1	783357	0.059	59		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	971	972	1	783358	0.022	22		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	972	973	1	783359	0.021	21		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Blank			0	783360	0.0025	< 5		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	973	974	1	783361	0.018	18		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	974	975	1	783362	0.009	9		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	975	976	1	783363	0.006	6		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	976	977	1	783364	0.022	22		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	977	978	1	783365	0.012	12		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	978	979	1	783366	0.034	34		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	979	980	1	783367	0.011	11		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	980	981	1	783368	0.008	8		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	981	982	1	783369	0.006	6		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	OREAS 215			0	783370	3.46	3460		
WZ-18-221	Wolf Zone	Actlabs	A18-17065	09-Nov-18	14-Nov-18	Assay	982	983	1	783371	0.009	9		



Hole Number:

WZ-18-221W

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					7-Nov-2018	15-Nov-2018	
Planned Coordinates		Azimuth:	52	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644913						
Northing	5407890	Dip:	-71	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				7-Nov-2018	16-Nov-2018	
Final Pick up		Depth(m):	993.00	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:			
Northing		Core Size:	HQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing		Cemented					
Purpose of Hole	further exploration of the wolf zone IP targets	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Zone intersected in between 958.72 - 969.00m one spec of VG	18.0	51.5	-70.4	57103		59.1
		48.0	52.4	-70.3	56816		60
		78.0	52.8	-70.2	56772		60.4
		108.0	50.5	-69.9	56721		58.1
		138.0	51.6	-69.8	56636		59.2
		168.0	50.2	-69.4	56680		57.8
		198.0	52.0	-66.5	56705		59.6
		228.0	50.7	-64.8	56776		58.3
Comments		258.0	50.2	-64.1	56508		57.8
		288.0	54.3	-64.0	56737		61.9
		315.0	50.1	-60.5	56654		57.7
		330.0	51.5	-58.5	56525		59.1
		360.0	52.3	-55.2	56472		59.9
		390.0	51.3	-53.6	56671		58.9
		420.0	51.7	-54.5	56860		59.3
		450.0	3.1	-54.3	36212		10.7
		480.0	52.4	-53.5	56484		60
		510.0	52.7	-53.0	56101		60.3
		540.0	53.7	-53.0	56508		61.3
		Azimuth corrected to 7.6 degrees west declination		570.0	54.3	-52.1	56194
		600.0	63.3	-51.3	56827		70.9
		630.0	56.7	-49.7	56522		64.3
		660.0	53.5	-47.5	56255		61.1
		690.0	46.8	-47.3	57407		54.4
		720.0	52.2	-45.9	56702		59.8
		750.0	54.8	-45.1	56746		62.4
		780.0	54.4	-44.5	56709		62
		810.0	53.0	-43.7	56739		60.6
		840.0	53.8	-43.4	56802		61.4
		870.0	54.7	-43.0	56780		62.3
		900.0	55.5	-43.3	56334		63.1
		930.0	63.8	-42.7	56262		71.4
		960.0	55.4	-41.6	56660		63
		990.0	52.2	-41.4	55689		59.8

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-221W	296	319.03	23.03	6B	Gabbro	*** hole wedged at 296 *** Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains
WZ-18-221W	319.03	320.43	1.4	3D	Iron Formation	brown grey green, banded unit. Unit is comprised of banded chert, mafics, qtz/carb, and PO stringers. Stringers make up <1% of unit
WZ-18-221W	320.43	334.5	14.07	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 15 cm of gouge at 333m
WZ-18-221W	334.5	389.03	54.53	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	389.03	414.29	25.26	6B	Gabbro	Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains
WZ-18-221W	414.29	423.87	9.58	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	423.87	428.25	4.38	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	428.25	435.45	7.2	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Blocky core
WZ-18-221W	435.45	439.19	3.74	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	439.19	441.64	2.45	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Blocky core
WZ-18-221W	441.64	464.11	22.47	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, faulting between 489-451m
WZ-18-221W	464.11	473.13	9.02	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite, phenos are corroded and elongated. This unit is intruded by and other feldspar porphyry that has rounded phenos area, weaker biotite alteration
WZ-18-221W	473.13	485.41	12.28	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	485.41	489.23	3.82	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	489.23	493.88	4.65	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	493.88	495	1.12	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite
WZ-18-221W	495	532.32	37.32	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	532.32	534.18	1.86	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite
WZ-18-221W	534.18	571.35	37.17	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	571.35	572.65	1.3	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite
WZ-18-221W	572.65	621.85	49.2	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, btw 598 - 601 there is some fracturing parallel to core and possible faulting. Weak magnetics
WZ-18-221W	621.85	623.62	1.77	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite
WZ-18-221W	623.62	642.23	18.61	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	642.23	645.77	3.54	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	645.77	650.02	4.25	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	650.02	670.5	20.48	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	670.5	694.16	23.66	7A	Diabase	Grey Black, fine to medium grained diabase. No foliation. Coarse grained feldspars glomopheyes. Unit is magnetic
WZ-18-221W	694.16	699.67	5.51	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	699.67	714.28	14.61	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets

WZ-18-221W	714.28	729.14	14.86	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	729.14	742.25	13.11	1B	Pillowed Flows	Dark grey to green, fine grained pillowed flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, some patchy epidote along the pillow selvages with bands of garnets
WZ-18-221W	742.25	744.76	2.51	1ALT	Altered Mafic Volcanic	Dark green with brown bands and white bands. Fine to medium grained moderate to strong foliation. Son bands of garnets. Blebby pyrite and some pyrrhotite stringers. Unit has <1% qtz veinlets
WZ-18-221W	744.76	758.11	13.35	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	758.11	779.04	20.93	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit
WZ-18-221W	779.04	783.38	4.34	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	783.38	821.79	38.41	6B	Gabbro	Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains
WZ-18-221W	821.79	874.02	52.23	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, faulting/ at 828m. Minor sulfides near 845m and 850m
WZ-18-221W	874.02	877.3	3.28	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit, unit includes 20% mafic clasts
WZ-18-221W	877.3	889.08	11.78	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 5-10% irregular intruding granodiorite
WZ-18-221W	889.08	891.57	2.49	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit, unit includes 20% mafic clasts
WZ-18-221W	891.57	897.06	5.49	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 5-10% irregular intruding granodiorite
WZ-18-221W	897.06	898.57	1.51	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit, unit includes 20% mafic clasts
WZ-18-221W	898.57	910.23	11.66	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 5-10% irregular intruding granodiorite
WZ-18-221W	910.23	917.8	7.57	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit, unit includes 20% mafic clasts
WZ-18-221W	917.8	932.34	14.54	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Qtz veins are brecciated with angular qtz clast throughout unit. Pyrite is disseminated and located along some of fractured qtz. Trace Sphalerite is also found along some fractures
WZ-18-221W	932.34	938.84	6.5	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite, 5-10% irregular intruding granodiorite
WZ-18-221W	938.84	942.98	4.14	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit, unit includes 35% mafic clasts
WZ-18-221W	942.98	958.72	15.74	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W	958.72	960.5	1.78	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Unit has 1-2% blebby pyrite
WZ-18-221W	960.5	960.97	0.47	QV	Quartz Vein	Smokey grey, quartz vein, sulfides are located mainly along with contacts, 25% sulfides mix of pyrite pyrrhotite, with trace sphalerite
WZ-18-221W	960.97	961.8	0.83	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Unit has 1-2% blebby pyrite. 3 cm qtz vein with one spec of VG
WZ-18-221W	961.8	967.17	5.37	4ALT	Altered Feldspar Porphyry	Purplish grey, with brown bands. Fine to medium grained altered feldspar porphyry. Foliation is significantly weaker than the usual altered feldspar porphyry. 2% PY
WZ-18-221W	967.17	969	1.83	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. Unit has 1-2% blebby pyrite
WZ-18-221W	969	974.19	5.19	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit
WZ-18-221W	974.19	976.25	2.06	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite, phenos are corroded and elongated. Some fracture controlled bleaching
WZ-18-221W	976.25	981.43	5.18	5B	Granodiorite	White grey, fine to coarse grained granodiorite, no foliation. Unit has speckled black biotite throughout unit
WZ-18-221W	981.43	982.74	1.31	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Pervasive biotite alteration with some small primary biotite, phenos are corroded and elongated. Some fracture controlled bleaching
WZ-18-221W	982.74	993	10.26	6B	Gabbro	Dark grey to green, fine to Coarse grained Gabbro. no foliation, 1% qtz carb stringers, patchy interstitial biotite, chlorite altered grains

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	741.25	742.25	1	783372	0.063	63		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	742.25	743.25	1	783373	0.284	284		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	743.25	744.25	1	783374	0.557	557		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	744.25	744.76	0.51	783375	0.039	39		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	744.76	745.76	1	783376	0.014	14		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	837	838	1	783377	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	838	839	1	783378	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	839	840	1	783379	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Blank			0	783380	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	840	841	1	783381	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	841	842	1	783382	0.005	5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	842	843	1	783383	0.118	118		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	843	844	1	783384	0.005	5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	844	845	1	783385	0.006	6		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	845	846	1	783386	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	846	847	1	783387	0.005	5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	847	848	1	783388	0.005	5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	848	849	1	783389	0.008	8		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	OREAS 210			0	783390	5.46	5460		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	849	850	1	783391	0.011	11		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	857	858	1	783392	0.012	12		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	858	859	1	783393	0.034	34		
WZ-18-221W	Wolf Zone	Actlabs	A18-18167	22-Nov-18	10-Dec-18	Assay	859	860	1	783394	0.012	12		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	915.8	916.8	1	783395	0.006	6		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	916.8	917.8	1	783396	0.135	135		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	917.8	919	1.2	783397	0.417	417		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	919	920	1	783398	0.136	136		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	920	921	1	783399	1.38	1380		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Blank			0	783400	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	921	922	1	783401	0.109	109		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	922	923	1	783402	0.731	731		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	923	924	1	783403	0.089	89		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	924	925	1	783404	0.427	427		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	925	926	1	783405	0.392	392		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	926	927	1	783406	0.079	79		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	927	928	1	783407	2.1	2100		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	928	929	1	783408	0.024	24		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	929	930	1	783409	0.185	185		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	OREAS 216			0	783410	6.43	6430		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	930	931	1	783411	0.03	30		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	931	932	1	783412	0.052	52		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	932	932.34	0.34	783413	0.023	23		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	932.34	933.34	1	783414	0.01	10		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	933.34	934.34	1	783415	0.009	9		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	956.72	957.72	1	783416	0.059	59		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	957.72	958.72	1	783417	0.04	40		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	958.72	959.72	1	783418	1.07	1070		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	959.72	960.5	0.78	783419	3.64	3640	3.64	
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Blank			0	783420	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	960.5	960.97	0.47	783421	8.45	8160	8.45	
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	960.97	961.8	0.83	783422	4.09	4650	4.09	
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Blank			0	783423	0.0025	< 5		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	961.8	962.8	1	783424	0.435	435		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	962.8	963.8	1	783425	0.296	296		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	963.8	964.8	1	783426	0.398	398		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	964.8	965.8	1	783427	0.199	199		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	965.8	966.8	1	783428	0.18	180		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	966.8	967.17	0.37	783429	0.046	46		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	OREAS 215			0	783430	3.44	3440		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	967.17	968	0.83	783431	0.116	116		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	968	969	1	783432	0.02	20		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	969	970	1	783433	0.062	62		
WZ-18-221W	Wolf Zone	Actlabs	A18-18136	22-Nov-18	28-Nov-18	Assay	970	971	1	783434	0.016	16		



Hole Number:

WZ-18-221W2

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					16-Nov-2018	24-Nov-2018	
<u>Planned Coordinates</u>		Azimuth:	52	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644913						
Northing	5407890	Dip:	-71	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				17-Nov-2018	25-Nov-2018	
<u>Final Pick up</u>		Depth(m):	990.00	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:	Cameron Green		
Northing		Core Size:	NQ	Logger 3:	Andrew Wehrfritz		
Elevation(m)				Assay Lab:	Actlabs		
Casing							
Purpose of Hole	Infill drilling in the Wolf Zone	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	An initial 1ALT unit intersected from 910.72 to 912.54 containing up to 1% sulphides. This initial zone is followed by a second zone of alteration from 930.38 to 940.88 containing up to 2% sulphides and alternating between 1ALT and 4ALT units.	18.0	51.5	-70.4	57103		59.1
		48.0	52.4	-70.3	56816		60
		78.0	52.8	-70.2	56772		60.4
		108.0	50.5	-69.9	56721		58.1
		138.0	51.6	-69.8	56636		59.2
		168.0	50.2	-69.4	56680		57.8
		198.0	52.0	-66.5	56705		59.6
		228.0	50.7	-64.8	56776		58.3
		258.0	50.2	-64.1	56508		57.8
		Comments	Andrew Started logging at 750m	288.0	54.3	-64.0	56737
318.0	51.8			-63.6	56472		59.4
348.0	51.1			-63.8	56636		58.7
393.0	53.7			-50.4	56869		61.3
423.0	41.3			-48.7	58203		48.9
444.0	50.5			-46.4	56882		58.1
474.0	50.4			-45.0	56833		58
504.0	50.5			-43.9	56365		58.1
534.0	50.4			-43.4	56534		58
564.0	53.5			-42.9	54713		61.1
Azimuth corrected to 7.6 degrees west declination		594.0	62.9	-42.2	55548		70.5
		624.0	50.6	-41.7	56361		58.2
		654.0	50.0	-41.4	56871		57.6
		684.0	56.1	-40.0	57086		63.7
		714.0	53.1	-39.2	56554		60.7
		744.0	51.3	-38.4	56340		58.9
		774.0	52.0	-37.7	56107		59.6
		804.0	51.8	-36.8	56281		59.4
		834.0	52.0	-36.2	56402		59.6
		864.0	57.1	-35.8	57632		64.7
894.0	50.7	-35.8	56391		58.3		
924.0	51.5	-35.4	56520		59.1		
954.0	51.1	-35.1	56618		58.7		
984.0	51.1	-34.9	56362		58.7		



BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-221W2	366	391.09	25.09	1B	Pillowed Flows	*** Hole wedged at 366m*** Green, grey fine grained pillowed mafic flows weak foliation. Unit has 1-2% qtz carb stringers. Trace interstitial biotite, some chlorite alteration along selvages
WZ-18-221W2	391.09	419.4	28.31	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W2	419.4	422.3	2.9	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flows weak foliation. Unit has 1-2% qtz carb stringers. Trace interstitial biotite, some chlorite alteration along selvages
WZ-18-221W2	422.3	433.5	11.2	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W2	433.5	440.72	7.22	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Blocky core
WZ-18-221W2	440.72	449.3	8.58	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W2	449.3	451.46	2.16	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Unit is weakly foliated. Phenos are corroded and elongated unit is intruded by another feldspar porphyry that's is similar in composition but has not been corroded
WZ-18-221W2	451.46	455.61	4.15	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Weak foliation, 1% qtz carb stringers, patchy interstitial biotite, pervasive chlorite,
WZ-18-221W2	455.61	460.45	4.84	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Unit is weakly foliated. Phenos are corroded and elongated
WZ-18-221W2	460.45	462.3	1.85	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flows weak foliation. Unit has 1-2% qtz carb stringers. Trace interstitial biotite, some chlorite alteration along selvages
WZ-18-221W2	462.3	464.43	2.13	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Unit is weakly foliated. Phenos are corroded and elongated
WZ-18-221W2	464.43	550.93	86.5	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flows weak foliation. Unit has 1-2% qtz carb stringers. Trace interstitial biotite, some chlorite alteration along selvages
WZ-18-221W2	550.93	552.44	1.51	4B	Feldspar Porphyry	Purplish grey, fine to medium grained feldspar porphyry. Unit is weakly foliated. Phenos are corroded and elongated
WZ-18-221W2	552.44	556.94	4.5	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flows weak foliation. Unit has 1-2% qtz carb stringers. Trace interstitial biotite, some chlorite alteration along selvages
WZ-18-221W2	556.94	622.35	65.41	1A	Massive Flows	Dark grey to green, fine to medium grained mafic flow. Strong foliation; 1% qtz carb stringers. Strong pervasive amphibole moderate banded-interstitial biotite pervasive weak chlorite and moderate patchy garnet alteration. Sulphides are rare except small patch showing 2% Po+/- Mo @588.30-589.10m. Many small minor intrusive units and one section of pillowed mafics from 616.36 to 617.1m.
WZ-18-221W2	622.35	630.72	8.37	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flow; moderate foliation. Unit has 1% qtz carb stringers mostly discontinuous across core with a grey blue colour. Moderate banded sericite epidote carbonate alteration along pillows. Local disseminated garnet in these sections and weak disseminated leucoxene. Blebby to banded Po along pillow selvages and veinlets; 0.5%overall in unit
WZ-18-221W2	630.72	655.24	24.52	7A	Diabase	Dark grey glomerophytic massive fine grained diabase with moderate magnetism Weak carb chl fracturing. No sulphides
WZ-18-221W2	655.24	662.64	7.4	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flow; moderate foliation. Unit has 1% qtz carb stringers mostly discontinuous across core with a grey blue colour to clear/white. One smaller vein at 657.78-657.91 Weak banded sericite epidote carbonate alteration along pillows. Local disseminated garnet in these sections and weak disseminated leucoxene. Blebby to banded Po along pillow selvages and veinlets; 0.5%overall in unit
WZ-18-221W2	662.64	669.4	6.76	1A	Massive Flows	Green-blue/grey fine grained massive mafic Volcanics with weak foliation at 50 TCA. Moderate pervasive amphibole, weak chlorite and weak banded biotite alteration. Weak quartz carb fracturing parallel to foliation. One 2cm quartz veinlet with a thin band of Po; sulphides though are rare overall
WZ-18-221W2	669.4	685.07	15.67	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flow; moderate foliation. Unit has 0.5% qtz carb stringers mostly discontinuous across core with a grey clear/white colour. Weak banded sericite epidote carbonate alteration along pillows. Local disseminated garnet in these sections. Blebby to banded Po along pillow selvages and veinlets; 0.5%overall in unit. Two minor 4B units with weak alteration and one minor 5B with weak carb alteration and silicification.
WZ-18-221W2	685.07	694.51	9.44	1A	Massive Flows	Green/grey fine grained massive mafic Volcanics with weak foliation at 60 TCA. Moderate pervasive amphibole, weak chlorite and weak banded biotite alteration. Weak quartz carb fracturing mainly parallel to subparallel to foliation but some cross cutting. One low angled white-brownish clear veinlet at 689.55 shows a coarse bleb of Mo. Unit is otherwise barren.
WZ-18-221W2	694.51	701.78	7.27	1B	Pillowed Flows	Green, grey fine grained pillowed mafic flow; weak-moderate foliation. Unit has 0.5% qtz carb stringers mostly discontinuous across core with a grey clear/white colour. Two banded grey-white-clear veins at 697.54-697.7 and 798-698.1. Weak banded sericite epidote carbonate alteration along pillows. Local disseminated garnet in these sections. Blebby to banded Po along pillow selvages and veinlets; 0.5%overall in unit.

WZ-18-221W2	701.78	724.97	23.19	5B	Granodiorite	Massive to weakly foliated grey/white granodiorite. Unit shows patches of strongly biotite altered xenoliths mainly pencil to loonie in size; locally elongated along the weak foliation. Larger section of strongly biotitic mafic Volcanics from 712.57-713.53. Weak- moderate biotite alteration overall; a single 1.5 cm wide grey-white quartz veinlet and no noted sulphides. Barren unit.
WZ-18-221W2	724.97	759	34.03	1A	Massive Flows	Green-blue/grey fine grained massive mafic Volcanics with moderate foliation at 60 TCA. patchy weak-moderate magnetism. Moderate pervasive amphibole, weak chlorite and weak banded biotite alteration. patchy disseminated leucoxene. Weak quartz carb fracturing mainly parallel to subparallel to foliation but some cross cutting. A few white-clear and opaque off-white quartz and quartz carb veinlets 0.5% volume. One small patchy with strong biotite alteration and blueish silicification(?) at 743.44 to 744.10 which encompasses a thin 3cm veinlet and show increased banded to blebby sulphides up to 15% in volume. Unit is otherwise shows weak mineralization 0.5@ blebby to banded Po barren. Narrow section with increased biotite alteration, quartz flooding and a slight purple hue from 757.35 to 757.6 associated with approximately 3% disseminated sulphides (po and py).
WZ-18-221W2	759	778.75	19.75	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially in some sections. Very weak to no foliation. Gradational upper contact. Two narrow sections of glomerophytic diabase intersect the unit from 768.76 to 768.85 and 768.97 to 769.17.
WZ-18-221W2	778.75	817.9	39.15	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Biotite alteration interstitially throughout the majority of the unit. Some sections appear gabbroic. Frequent narrow sections of intermediate dyke and feldspar porphyry cross cut the unit giving certain areas a slight brecciated texture. Disseminated sulphides throughout the majority of the unit (up to 1%). Feldspar porphyry subunit from 803.77m to 804.3m with three narrow quartz veinlets; up to 2% disseminated sulphides throughout.
WZ-18-221W2	817.9	819.97	2.07	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing highly strained and elongated millimetric white feldspar phenocrysts.
WZ-18-221W2	819.97	828.7	8.73	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially in some sections. Very weak (60 dtca) to no foliation. Frequent granodiorite intersections create a brecciated texture in areas; approx. 10% granodiorite overall.
WZ-18-221W2	828.7	831	2.3	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz and biotite. Millimetric to centimetric mafic xenoliths are suspended throughout the unit; these fragments make up approx. 25% of the unit and produce a brecciated texture.
WZ-18-221W2	831	836.7	5.7	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially in some sections. Very weak (60 dtca) to no foliation. Gradational upper contact. Occasional centimetric wide pink felsic intrusions.
WZ-18-221W2	836.7	841.55	4.85	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz and biotite. Millimetric to centimetric mafic xenoliths are suspended throughout the unit; these fragments make up approx. 20% of the unit and produce a brecciated texture. Some fragments contain biotite alteration halos.
WZ-18-221W2	841.55	848.95	7.4	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5 to 15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Occasional narrow sections of pink felsic intrusions.
WZ-18-221W2	848.95	855.2	6.25	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz and biotite. Millimetric to centimetric mafic xenoliths are suspended throughout the unit; these fragments make up approx. 30% of the unit and produce a brecciated texture. Biotite alteration halos surrounding some mafic fragments.
WZ-18-221W2	855.2	882	26.8	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Frequent intersections of granodiorite produce a brecciated texture in areas and comprise approximately 10% of the unit. Disseminated sulphides throughout the majority of the unit (approx. 1% py overall). In addition to the granodiorite intrusions there are also a few sections of feldspar porphyry; some of which contain moderate amounts of biotite alteration and silicification; mineralization associated with these sections. Notable 4b intrusions at 863.12 to 863.5, 865, 866.5m.

WZ-18-221W2	882	885	3	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz and biotite. Millimetric to centimetric mafic xenoliths are suspended throughout the unit; these fragments make up approx. 25% of the unit and produce a brecciated texture.
WZ-18-221W2	885	891	6	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5 to 15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Occasional pink felsic intrusions. Minor amounts of disseminated sulphides <.5%
WZ-18-221W2	891	895.6	4.6	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz and biotite. Millimetric to centimetric mafic xenoliths are suspended throughout the unit; these fragments make up approx. 30% of the unit and produce a brecciated texture. Biotite alteration halos surrounding some mafic fragments. Minor amounts of sulphides in some mafics.
WZ-18-221W2	895.6	901.23	5.63	6B	Gabbro	mg to cg dark green mafic rock with a massive texture. Mineral composition is predominately mafic (py / amph) ranging from mg to cg however some sections are very coarse grained (up to 1cm) with minor amounts of white feldspar interstitially. No foliation. Occasional sections of granodiorite. Gradational lower contact.
WZ-18-221W2	901.23	910.72	9.49	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Quartz stringers and wisps intermittently throughout. Minor amount of biotite alteration interstitially; increases with depth.
WZ-18-221W2	910.72	912.54	1.82	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. Approximately 1% disseminated or blebby sulphides throughout. Quartz flooding 911 to 911.42 associated with slightly higher concentration of sulphides.
WZ-18-221W2	912.54	930.38	17.84	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Quartz stringers and wisps intermittently throughout. Minor amount of biotite alteration interstitially however several sections contain higher degrees of bt alteration and contain a banded texture (borderline 1ALT); 917.06 to 917.41, 921.5 to 921.75, 923.2 to 923.5, and 927.56 to 928.05. Approximately 1% sulphides throughout unit.
WZ-18-221W2	930.38	931.56	1.18	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. Approximately 1% disseminated and blebby sulphides throughout. Occasional quartz stringers/wisps
WZ-18-221W2	931.56	935	3.44	4ALT	Altered Feldspar Porphyry	fg grey unit with a purple hue; moderate silicification. Fg silica based ground mass with occasional highly strained and elongated feldspar phenocrysts. Minor amounts of mg muscovite disseminated throughout. Light green alteration haloes occasionally surround healed fractures. Approximately 2% blebby or disseminated sulphides throughout. Quartz veining/ flooding intermittently throughout and associated with higher sulphide concentration.
WZ-18-221W2	935	935.7	0.7	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. 1% sulphides disseminated throughout. Variable amounts of quartz flooding/stringers.
WZ-18-221W2	935.7	937.73	2.03	4ALT	Altered Feldspar Porphyry	fg grey unit with a purple hue; moderate silicification. Fg silica based ground mass with occasional highly strained and elongated feldspar phenocrysts. Minor amounts of mg muscovite disseminated throughout. Light green alteration haloes occasionally surround healed fractures. <1% blebby or disseminated sulphides throughout. Variable amounts of quartz veining/ flooding throughout.
WZ-18-221W2	937.73	940.88	3.15	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. <1% sulphides disseminated throughout. Variable amounts of quartz flooding/stringers.
WZ-18-221W2	940.88	973.8	32.92	6B	Gabbro	mg to cg dark green mafic rock with a massive texture. Mineral composition is predominately mafic (py / amph) ranging from mg to cg with minor amounts of white feldspar interstitially. No foliation. Approximately .5% disseminated sulphides throughout. Section of granodiorite from 965.27m to 965.57m.
WZ-18-221W2	973.8	987	13.2	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz; the black speckling is a result of the biotite and lesser amounts .
WZ-18-221W2	987	989.12	2.12	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.

WZ-18-221W2	989.12	990	0.88	5B	Granodiorite	fg to mg grey massive felsic unit with black speckling throughout. Unit is composed predominately of feldspar with lesser amounts of quartz; the black speckling is a result of the biotite and lesser amounts .
WZ-18-221W2	990	990				EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	742.25	743.25	1	783435	0.006	6		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	743.25	744.25	1	783436	0.084	84		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	744.25	745.25	1	783437	0.007	7		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	756.5	757.25	0.75	783438	0.009	9		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	757.25	757.6	0.35	783439	0.154	154		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Blank			0	783440	0.0025	< 5		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	757.6	758.29	0.69	783441	0.025	25		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	803	803.77	0.77	783442	0.012	12		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	803.77	804.3	0.53	783443	0.03	30		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	804.3	805	0.7	783444	0.01	10		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	862.5	863.12	0.62	783445	0.011	11		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	863.12	863.5	0.38	783446	0.056	56		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	863.5	864	0.5	783447	0.045	45		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	864	865	1	783448	0.505	505		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	865	866	1	783449	0.066	66		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	OREAS 210			0	783450	5.49	5490		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	866	867	1	783451	0.918	918		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	867	868	1	783452	0.181	181		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	909	910	1	783453	0.119	119		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	910	910.72	0.72	783454	0.105	105		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	910.72	911.42	0.7	783455	1.24	1240		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	911.42	912.54	1.12	783456	13	> 10000	12.5	13
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	912.54	913	0.46	783457	3.63	4750	3.63	
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	913	914	1	783458	0.129	129		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	914	915	1	783459	0.634	634		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Blank			0	783460	0.005	5		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	915	916	1	783461	0.151	151		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	916	917	1	783462	1.39	1390		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	917	917.41	0.41	783463	0.077	77		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	917.41	918	0.59	783464	0.026	26		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	918	919	1	783465	0.088	88		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	919	920	1	783466	0.049	49		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	920	921	1	783467	0.039	39		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	921	921.75	0.75	783468	1.79	1790		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	921.75	922.5	0.75	783469	0.052	52		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	OREAS 215			0	783470	3.78	3780		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	922.5	923	0.5	783471	0.529	529		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	923	923.5	0.5	783472	0.072	72		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	923.5	924	0.5	783473	0.038	38		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	924	925	1	783474	0.054	54		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	925	926	1	783475	0.47	470		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	926	927	1	783476	0.222	222		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	927	927.56	0.56	783477	0.158	158		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	927.56	928.05	0.49	783478	0.188	188		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	928.05	929	0.95	783479	1.33	1330		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Blank			0	783480	0.0025	< 5		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	929	930	1	783481	0.405	405		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	930	930.38	0.38	783482	0.17	170		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	930.38	931	0.62	783483	0.52	520		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	931	931.56	0.56	783484	1.18	1180		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	931.56	932	0.44	783485	0.339	339		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	932	933	1	783486	1.62	1620		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	933	934	1	783487	2.43	2430		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	934	935	1	783488	0.328	328		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	935	935.7	0.7	783489	1.21	1210		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	OREAS 216			0	783490	6.73	6730		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	935.7	936	0.3	783491	0.083	83		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	936	937	1	783492	0.037	37		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	937	937.73	0.73	783493	0.028	28		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	937.73	938.5	0.77	783494	0.346	346		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	938.5	939	0.5	783495	0.193	193		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	939	940	1	783496	0.122	122		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	940	940.88	0.88	783497	0.111	111		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	940.88	942	1.12	783498	0.012	12		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	942	943	1	783499	0.0025	< 5		
WZ-18-221W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Blank			0	783500	0.0025	< 5		



<b>Hole Number:</b>	<b>WZ-18-222</b>
<b>Drill Rig:</b>	HC-150-19
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					Nov-04-2018	Nov-08-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	48	<b>Drill Contractor:</b>	Forages Chibougamau Ltée	
<b>Easting</b>	644906	<b>Dip:</b>	-74	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407953			Nov-05-2018	Nov-09-2018	
<b>Elevation(m)</b>	411					
<u>Final Pick up</u>		<b>Depth(m):</b>	564.00	<b>Logger 1:</b>	Andrew Wehrfritz	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>		
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>		<b>Dip Tests</b>					
<b>Purpose of Hole</b>	Infill drilling of the Wolf Zone	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	Hole was wedged as a result of the azimuth not trending northward enough.	21.0	49.6	-73.3	56456		57.2
		51.0	54.1	-72.4	55059		61.7
		81.0	47.9	-72.1	56393		55.5
		111.0	46.6	-71.7	56234		54.2
		141.0	46.4	-71.4	55946		54
		171.0	45.5	-71.3	56179		53.1
		201.0	45.3	-71.2	56074		52.9
		231.0	44.2	-71.0	56098		51.8
<b>Comments</b>		261.0	44.5	-70.1	56059		52.1
		321.0	42.8	-69.5	56079		50.4
		354.0	43.1	-69.2	55977		50.7
		384.0	43.0	-69.0	55906		50.6
		414.0	47.7	-66.4	55130		55.3
		447.0	41.5	-64.5	55836		49.1
		477.0	43.9	-64.1	56082		51.5
		504.0	43.8	-64.0	55740		51.4
<b>Azimuth corrected to 7.6 degrees west declination</b>		537.0	41.9	-63.9	56363		49.5
			-7.6				
			-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-222	0	3.96	3.96	OVB	Overburden	
WZ-18-222	3.96	35.97	32.01	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is almost entirely mafic with a variable grain size, however the majority of the unit is mg to cg. Very weak foliation at approximately 35 degrees tca. Minor amounts of biotite interstitially. Intermittent sections of 4b cross cut the unit.
WZ-18-222	35.97	36.7	0.73	3D	Iron Formation	Fg, light grey felsic unit with a banded texture. Unit is predominately composed of felsic bands with thinner dark mafic bands alternating throughout. Narrow sulphide stringers occasionally (<1%) cpy, py. cpy veinlet at 36m. Minor brecciated texture at 36.1 m.
WZ-18-222	36.7	50.06	13.36	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Narrow section of iron formation at 42.8 and narrow section of feldspar porphyry at 43.5
WZ-18-222	50.06	53.05	2.99	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing moderately to highly strained and elongated millimetric white feldspar phenocrysts. Minor amount of disseminated sulphides along with stringers (<1%)
WZ-18-222	53.05	63	9.95	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Occasional narrow section of iron formation or feldspar porphyry.
WZ-18-222	63	81.88	18.88	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca.
WZ-18-222	81.88	127	45.12	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 35 degrees tca.
WZ-18-222	127	135.55	8.55	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca.
WZ-18-222	135.55	191.25	55.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 35 degrees tca. Up to 5% po overall from 170.08 to 170.33 (iron formation? with a purple hue) in the form of stringers.
WZ-18-222	191.25	203.85	12.6	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca. Quartz and calcite stringers, veinlets and wisps intermittently throughout the unit.
WZ-18-222	203.85	209	5.15	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 40 degrees tca.
WZ-18-222	209	234.36	25.36	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca. Narrow iron formation from 214 to 214.18; up to 2% disseminated po in this interval.
WZ-18-222	234.36	261.2	26.84	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is almost entirely mafic with a variable grain size, however the majority of the unit is mg to cg. Very weak foliation at approximately 35 to 40 degrees tca.
WZ-18-222	261.2	263.02	1.82	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca. Iron formation from 262.77 to 263.02 with up to 2% disseminated sulphides.
WZ-18-222	263.02	264.56	1.54	6E	Intermediate Dyke	Mg, black and grey rock with an intermediate composition. Unit is composed of 60% mafic minerals (primarily biotite) and 40% grey feldspar. Disseminated sulphides throughout the majority of the unit (approximately 1%, py)
WZ-18-222	264.56	305.85	41.29	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca.
WZ-18-222	305.85	307.46	1.61	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing moderately to highly strained and elongated millimetric white feldspar phenocrysts. Up to .5% disseminated sulphides throughout.

WZ-18-222	307.46	314.15	6.69	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 40 degrees tca.
WZ-18-222	314.15	325.75	11.6	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially throughout. Very weak foliation at approximately 35 to 40 degrees tca. Minor amounts of pink healed fractures at 323.2.
WZ-18-222	325.75	327	1.25	6E	Intermediate Dyke	fg to mg, black and grey rock with an intermediate composition. Unit is composed of 60% mafic minerals and 40% grey feldspar. Biotite interstitially throughout..
WZ-18-222	327	345	18	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially throughout. Very weak foliation at approximately 35 to 40 degrees tca.
WZ-18-222	345	383.7	38.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 40 degrees tca. Minor amounts of grey feldspar interstitially from 355 to 357 (potentially a intermediate dyke unit?). Narrow granite intrusions cross cutting from 364.03 to 364.15.
WZ-18-222	383.7	393.42	9.72	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially throughout. Very weak foliation at approximately 35 to 40 degrees tca. Grain size in variable; narrow sections of massive mafic flows intermittently. Quartz vein from 389.61 to 389.68
WZ-18-222	393.42	409.93	16.51	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 40 degrees tca. Narrow feldspar porphyry intersections intermittently. Series of quartz stringers with up to 2% blebby sulphides (py) from 403.7 to 404.
WZ-18-222	409.93	422	12.07	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca. Narrow iron formations intersections from 416.3 to 416.64, 416.7 to 416.9 and 417.05 to 417.14m. with millimetric to centimetric garnets speckled throughout.
WZ-18-222	422	424.65	2.65	1U	Ultramafic Flows	fg dark grey mafic unit with moderate to strong magnetic properties. Unit has a massive texture and pervasive talc alteration throughout. Fracture zone from 423.3 to 424.65 with 20+ fractures per meter; evidence of fault gauge in this interval as well. Three small specs of molly at 424 associated with some quartz flooding.
WZ-18-222	424.65	426	1.35	4E	Pegmatite	cg, pink, felsic unit composed predominately of pink feldspar porphyry with lesser amounts of Smokey quartz. Occasional muscovite intermittently.
WZ-18-222	426	433.33	7.33	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca. Blocky core from 428.4 to 428.87.
WZ-18-222	433.33	437.65	4.32	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing moderately to highly strained and elongated millimetric white feldspar phenocrysts.
WZ-18-222	437.65	439.35	1.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. foliation is approximately 40 degrees tca. Long fracture with pink infill running almost parallel tca from 439 to 439.35; core is blocky in this interval.
WZ-18-222	439.35	444.1	4.75	4B	Feldspar Porphyry	fg to mg, grey and pink unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing moderately to highly strained and elongated millimetric white feldspar phenocrysts. There are narrow sections of pink granite that intersect the unit at 441.5, as a result of this a large portion of the feldspar phenocrysts are potassically altered. Narrow iron formation in the top 20cm of the unit with up to 4% blebby sulphides; approx. 1 % sulphides disseminated throughout the remainder of the unit. Light green alteration halos surrounding some healed fractures.



WZ-18-222	444.1	447.45	3.35	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Foliation is approximately 40 degrees tca. Iron formation from 445.84 to 446.25; sulphide stringers surrounding the iron formation boundaries. (<1% overall).
WZ-18-222	447.45	450.3	2.85	4B	Feldspar Porphyry	fg to mg, grey and pink unit with a slight purple hue. Predominately a fg felsic groundmass with lesser amounts of biotite containing highly strained and elongated millimetric white feldspar phenocrysts. A large portion of the feldspar porphyry has been potassically altered.
WZ-18-222	450.3	507.1	56.8	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Foliation is approximately 40 degrees tca. Iron formation from 450.3 to 450.5. Intermittent 4b subunits throughout. Pillow selvage frequency increased from 476 to 497.
WZ-18-222	507.1	549.32	42.22	6B	Gabbro	fg to cg green mafic rock with a massive texture. Mineral composition is predominately mafics ranging from mg to cg however finer grained grey feldspar is observed interstitially in some section. Very weak to no foliation. Gradational upper contact. Quartz vein from 510.05 to 510.11. Some sections of the unit contain moderate to strong magnetic properties. Up to 2% blebby sulphides composed of predominately py with lesser amounts of po as well.
WZ-18-222	549.32	551.7	2.38	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a massive texture. Finer grained feldspar surrounding mafics in areas as well. Foliation is approximately 40 degrees tca.
WZ-18-222	551.7	553	1.3	5A	Granite	fg to mg, pink felsic unit with a massive texture. Unit appears to be composed predominately of pink k-spar with lesser amounts of quartz.
WZ-18-222	553	564	11	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Foliation is approximately 40 degrees tca.
WZ-18-222	564	564	0			EOH


BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	169.5	170.08	0.58	787203	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	170.08	170.33	0.25	787204	0.022	22		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	170.33	171	0.67	787205	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	213	213.95	0.95	787206	0.005	5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	213.95	214.25	0.3	787207	0.011	11		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	214.25	215	0.75	787208	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	262	262.72	0.72	787209	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	OREAS 215			0	787210	6.53	6530		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	262.72	263.02	0.3	787211	0.017	17		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	263.02	264	0.98	787212	0.007	7		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	264	264.56	0.56	787213	0.011	11		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	264.56	265	0.44	787214	0.007	7		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	265	266	1	787215	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	403.15	403.7	0.55	787216	0.007	7		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	403.7	404.1	0.4	787217	0.01	10		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	404.1	405	0.9	787218	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	438	438.9	0.9	787219	0.005	5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Blank			0	787220	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	438.9	439.35	0.45	787221	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	439.35	440	0.65	787222	0.005	5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	440	441	1	787223	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	441	442	1	787224	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	442	442.87	0.87	787225	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	442.87	443.62	0.75	787226	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	443.62	444.1	0.48	787227	0.005	5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	444.1	445	0.9	787228	0.0025	< 5		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	445	445.84	0.84	787229	0.006	6		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	OREAS 210				787230	5.31	5310		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	445.84	446.25	0.41	787231	0.024	24		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	446.25	447	0.75	787232	0.015	15		
WZ-18-222	Wolf Zone	Actlabs	A18-17627	15-Nov-18	06-Dec-18	Assay	447	447.45	0.45	787233	0.013	13		



		<b>Hole Number:</b>		<b>WZ-18-222W</b>							
		<b>Drill Rig:</b>		HC-150-19							
		<b>Claim Number:</b>									
<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>		<b>Start Date:</b>		<b>End Date:</b>			
Surface						Nov 09-2018		Nov-09-2018			
<u>Planned Coordinates</u>		<b>Azimuth:</b> 48  <b>Dip:</b> -74		<b>Drill Contractor:</b>		Forages Chibougamau Ltée					
<b>Easting</b>	644906			<b>Depth(m):</b> 583.50  <b>Core Size:</b> NQ		<b>Dates Logged:</b>		<b>Start Date:</b>		<b>End Date:</b>	
<b>Northing</b>	5407953							Nov 09-2018		Nov 10-2018	
<b>Elevation(m)</b>	411					<b>Logger 1:</b>		Andrew Wehrfritz			
<u>Final Pick up</u>				<b>Logger 2:</b>							
<b>Easting</b>				<b>Logger 3:</b>							
<b>Northing</b>				<b>Assay Lab:</b>		Actlabs					
<b>Elevation(m)</b>											
<b>Casing</b>											
<b>Purpose of Hole</b>	Futher infill drilling of the Wolf Zone	<b>Dip Tests</b>									
		<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>				
<b>Results</b>	Hole was shut down due to azimuth not moving northward enough.	21.0	49.6	-73.3	56456		57.2				
		51.0	54.1	-72.4	55059		61.7				
		81.0	47.9	-72.1	56393		55.5				
		111.0	46.6	-71.7	56234		54.2				
		141.0	46.4	-71.4	55946		54				
		171.0	45.5	-71.3	56179		53.1				
		201.0	45.3	-71.2	56074		52.9				
		231.0	44.2	-71.0	56098		51.8				
<b>Comments</b>		261.0	44.5	-70.1	56059		52.1				
		321.0	42.8	-69.5	56079		50.4				
		354.0	43.1	-69.2	55977		50.7				
		384.0	43.0	-69.0	55906		50.6				
		414.0	47.7	-66.4	55130		55.3				
		447.0	41.5	-64.5	55836		49.1				
		477.0	43.9	-64.1	56082		51.5				
		504.0	43.8	-64.0	55740		51.4				
<b>Azimuth corrected to 7.6 degrees west declination</b>		537.0	41.9	-63.9	56363		49.5				
		579.0	39.5	-63.2	56263		47.1				
		583.5	40.5	-62.9	56166		48.1				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-222W	0	560.7	560.7			Previously drilled in WZ-18-222
WZ-18-222W	560.7	582.4	21.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit. ~5-15% millimetric to centimetric wide light green pillow selvage bands composed of chlorite/epidote. Biotite banding associated with some of these selvages. Calcite/qtz stringers, wisps sporadically throughout. Minor amounts of disseminated sulphides (py) from 580 to 580.5.
WZ-18-222W	582.4	583.5	1.1	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of light grey feldspar with black biotite speckling throughout. Lesser amounts of quartz and other mafic minerals.
WZ-18-222W	583.5	583.5	0			EOH



		Hole Number:		WZ-18-222W2									
		Drill Rig:		Drill 19									
		Claim Number:											
Location		Drill Hole Orientation		Dates Drilled:		Start Date:		End Date:					
Surface						11-Nov-2018		23-Nov-2018					
Planned Coordinates		Azimuth: 48		Drill Contractor:		Forages Chibougamau Ltée							
Easting 644906						Dip: -74		Dates Logged:		Start Date:		End Date:	
Northing 5407953										12-Nov-2018		23-Nov-2018	
Elevation(m) 411		Depth(m): 1069.50		Logger 1:		Jordan Keir-Sage							
Final Pick up						Logger 2:		Cameron Green					
Easting								Logger 3:		Josh Zundl			
Northing		Core Size: NQ		Assay Lab:		Actlabs							
Elevation(m)						Casing		Cemented					
Purpose of Hole		Infill drilling of the Wolf Zone.		Dip Tests									
Results		Zone of altered feldspar porphyry ran from 1014.61-1016.95 containing 1% sulfides and a 15cm qtz vein with trace sulfides. Altered Mafic Volcanic unit ran from 1018.67-1019.64m containing trace sulfides.		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.				
Comments		Josh Zundl - started from 1001.7m, ended at box end (1069.5m)		603.0	47.7	62.3	55462		55.3				
				633.0	50.2	61.8	57619		57.8				
				663.0	78.9	61.8	48929		86.5				
				669.0	42.1	62.0	58039		49.7				
				702.0	45.7	61.7	55639		53.3				
				732.0	46.8	61.4	56196		54.4				
				762.0	48.0	61.3	56576		55.6				
				795.0	48.2	61.7	56324		55.8				
				814.5	49.2	61.5	56346		56.8				
				834.0	49.2	61.1	56337		56.8				
				864.0	51.1	60.4	55429		58.7				
				882.0	49.9	60.1	56102		57.5				
				901.5	49.8	59.4	55169		57.4				
				921.0	48.4	59.4	56376		56				
				945.0	50.2	58.8	56397		57.8				
				966.0	49.4	58.1	56485		57				
				984.0	48.9	57.6	56388		56.5				
				1005.0	49.6	57.2	56406		57.2				
				1023.0	49.4	56.4	56523		57				
				1050.0	50.8	55.9	56628		58.4				
				1069.5	52.8	55.7	56623		60.4				
		Azimuth corrected to 7.6 degrees west declination											

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-222W2	0	550	550			Previously drilled in WZ-18-222
WZ-18-222W2	550	552.27	2.27	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Pervasive chlorite with qtz carb stringers (1%) some patchy biotite with trace epidote alteration in selvages
WZ-18-222W2	552.27	553.69	1.42	5B	Granodiorite	Pink grey, fine to coarse grained granodiorite, no foliation. Pervasive silicification, and kpsar alteration
WZ-18-222W2	553.69	579.61	25.92	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Pervasive chlorite with qtz carb stringers (1%) some patchy biotite with trace epidote alteration in selvages
WZ-18-222W2	579.61	581.5	1.89	5B	Granodiorite	Pink grey, fine to coarse grained granodiorite, no foliation. Pervasive silicification, and kpsar alteration
WZ-18-222W2	581.5	596.86	15.36	6B	Gabbro	Dark green black, fine to coarse grained gabbro, nor foliation. Coarse grained amphibole/pyroxene, some medium grained feldspars. Magnetic properties throughout some portions of unit. Small round ultramafic inclusions
WZ-18-222W2	596.86	601	4.14	1UT	Ultramafic Talc/Chlorite Altered	fine grained dark grey unit composed of mafic minerals. High chlorotic alteration and moderate talc alteration. Magnetic properties throughout.
WZ-18-222W2	601	614.25	13.25	6B	Gabbro	Dark green black, fine to coarse grained gabbro, nor foliation. Coarse grained amphibole/pyroxene, some medium grained feldspars. Magnetic properties throughout some portions of unit. Small round ultramafic inclusions
WZ-18-222W2	614.25	636	21.75	1UT	Ultramafic Talc/Chlorite Altered	fine grained dark grey unit composed of mafic minerals. High chlorotic alteration and moderate talc alteration. Magnetic properties throughout.
WZ-18-222W2	636	643.67	7.67	6B	Gabbro	Dark green black, fine to coarse grained gabbro, nor foliation. Coarse grained amphibole/pyroxene, some medium grained feldspars. Magnetic properties throughout some portions of unit. Small round ultramafic inclusions
WZ-18-222W2	643.67	648.3	4.63	5B	Granodiorite	Pink grey, fine to coarse grained granodiorite, no foliation. Pervasive silicification, and kpsar alteration
WZ-18-222W2	648.3	669.88	21.58	6B	Gabbro	Dark green black, fine to coarse grained gabbro, nor foliation. Coarse grained amphibole/pyroxene, some medium grained feldspars. Magnetic properties throughout some portions of unit. Small round ultramafic inclusions. Sub euhedral pyrrhotite and pyrite 15% of unit
WZ-18-222W2	669.88	687.65	17.77	5B	Granodiorite	Pink grey, fine to coarse grained granodiorite, no foliation. Pervasive silicification, and kpsar alteration (JKS). Alternating bands of coarse and finer granodiorite dikes at high angle to core axis. Fine sections show a darker purple grey colour and coarse bands are light grey-white. Weak to locally strong brecciation with a few larger ~70 cm sized xenoliths of surrounding mafics. There is a weak foliation ranging from 25 to 40 to core axis. Patchy strong magnetism seen very increased within mafic sections(CG)
WZ-18-222W2	687.65	693.93	6.28	6B	Gabbro	Dark black fine to medium grained gabbro with weak foliation at 35 TCA defined by elongate grains of strong pervasive biotite and amphibole. Biotite and amphibole show weak chlorite alteration. 10% sulphides, seemingly all pyrrhotite giving core moderate to strong magnetism. Sulphides are disseminated to fracturing filling and local coarse blebs. No veining or fracturing. Minor low angled granodiorite just clipped into the core.
WZ-18-222W2	693.93	698.62	4.69	5B	Granodiorite	Fine grained purple grey granodiorite with weak foliation at ~25 TCA defined by biotite. Weak chloritic fracturing showing bleached margins mainly at 60 TCA crosscutting foliation. Possible weak silicification and weak chlorite/biotite alteration. 2-3% fine grained disseminated pyrrhotite giving weak to moderate magnetism. No veining noted. Unit becomes slightly coarser over final 50cm, change is gradational.
WZ-18-222W2	698.62	699.97	1.35	6B	Gabbro	Dark black fine to medium grained gabbro with weak foliation at 40 TCA defined by elongate grains of strong pervasive biotite and amphibole. Biotite and amphibole show weak chlorite alteration. 5% sulphides, seemingly all pyrrhotite giving core moderate magnetism. Sulphides are disseminated. No veining or fracturing.
WZ-18-222W2	699.97	730	30.03	5B	Granodiorite	Fine grained grey granodiorite with weak foliation at ~40 TCA defined by biotite. Unit changes to coarse and more white in colour at 705 meters. Possible weak silicification and weak chlorite/biotite alteration throughout. Weak mm scale fracturing seen between 718 and 724.5 m with minor light coloured filling of muscovite (?). 2-5 cm margins along fracture are bleached and locally weakly to moderately hematitized (potassic) between 722 and 724.5m. Lenses or clasts of brecciated gabbro as in above and lower unit are seen throughout but are increased in section from 704-708m in volume contained in rock. No sulphides noted and a single 2cm quartz vein noted at 721.
WZ-18-222W2	730	735	5	6B	Gabbro	Dark black fine to medium grained gabbro massive to locally very weakly foliated at 45 TCA as defined by elongate grains of strong pervasive biotite and amphibole. Biotite and amphibole show weak chlorite alteration. Amphiboles are seemingly weakly sodic with a slight blue colour. Trace disseminated pyrrhotite. No veining, except one larger one from 732.78-733.06 quartz carb with weak chloritic chlots. Weak carbonate fracturing in places. Minor granodiorite section at 731.43-732.2 and 734.1-734.34. Minor fine grained feldspar porphyry 732.2 to 732.55 showing increased ~ 1% sulphides. Lower contact is gradational becoming quickly over 1m less coars

WZ-18-222W2	735	745.03	10.03	1A	Massive Flows	Dark green grey to black fine grained unit of massive mafics with local possible weak pillow selvages or alteration bands. Weak patchy epidote alteration and quartz veining along possible selvage, a couple small section also showing a brownish beige mineral alteration possibly pyroxene. Veining is weak ~1% with local 2cm quartz containing sulphides. Sulphides are mainly pyrrhotite with minor chalcopyrite and a few mg blebs of galena. Overall 1%, trace and trace respectively.
WZ-18-222W2	745.03	754.05	9.02	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. First 50 cm of core shows silicification and biotite banding with a single vein along the upper contact. Vein is discontinuous across core and hosts weak pyrrhotite mineralization blebby in nature. Possible weak silicification and weak chlorite/biotite alteration throughout the remainder of unit and weak potassic alteration along lower contact over 10 cm. No further veining and only a few chloritic fractures and cm wide pegmatite fingers. One minor pegmatite dike between 748.22 and 748.73. No further sulphides noted.
WZ-18-222W2	754.05	791.45	37.4	7A	Diabase	Light grey moderately magnetic glomeroporphyritic diabase. Most glomerocrysts are pencil to quarter width in size. Matrix is fine grained and no veining or sulphides are noted. A few slickensided surfaces are seen at high angles to core axis. Very rare mm sized carbonate filled fractures
WZ-18-222W2	791.45	804.75	13.3	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~50 TCA defined by biotite. Weak to moderate patchy potassic alteration and increased biotite alteration towards lower contact over last 5 meters.
WZ-18-222W2	804.75	806.52	1.77	5B	Granodiorite	Fine grained to medium grained dark grey highly altered granodiorite with weak to moderate foliation at ~45 TCA. Strong biotite and moderate chloritic alteration within the finer groundmass of the intrusive with coarser feldspars and lesser quartz causing a crowded porphyritic like look to the rock. No veining though minor fingers of unaltered granodiorite are seen in places. No sulphides noted. Minor diabase from 805.2-805.33
WZ-18-222W2	806.52	828.18	21.66	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~50 TCA defined by biotite. Weak to moderate patchy potassic alteration and increased biotite alteration in thin bands. No sulphides noted though there are three cm-2cm wide veinlets of quartz.
WZ-18-222W2	828.18	829.67	1.49	1A	Massive Flows	Fine grained green-blue black mafic volcanics. Rock shows strong amphibole and biotite alteration along with weak chlorite. Rare fine grained disseminated pyrrhotite. Minor granodiorite between 828.32 and 828.63
WZ-18-222W2	829.67	831	1.33	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~50 TCA defined by biotite. Weak to moderate patchy potassic alteration and increased biotite alteration in thin bands. No sulphides noted though there are three cm-2cm wide veinlets of quartz.
WZ-18-222W2	831	832.57	1.57	1A	Massive Flows	Fine grained green-blue black mafic volcanics. Rock shows strong amphibole and biotite alteration along with weak chlorite. Rare fine grained disseminated pyrrhotite. Minor granodiorite between 828.32 and 828.63
WZ-18-222W2	832.57	835.76	3.19	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~50 TCA defined by biotite. Weak to moderate patchy potassic alteration and increased biotite alteration in thin bands. No sulphides noted though there are three cm-2cm wide veinlets of quartz. Minor massive mafic volcanic unit between 833.87-834.45m.
WZ-18-222W2	835.76	838.79	3.03	1A	Massive Flows	Fine grained green-blue black mafic volcanics with patchy weak to moderate foliation at 45 TCA. Rock shows strong amphibole and biotite alteration along with weak chlorite. A few thin cm wide veinlets of quartz carbonate show chloritic margins and chloritic clotting with patchy orange carbonate. One larger vein from 838 to 838.35 showing much the same but with increased sulphides, cpy blebs with lesser pyrrhotite seen along margins or cpy grains. Sulphides are vein hosted and in margins in wallrock.
WZ-18-222W2	838.79	841.31	2.52	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. Increased biotite alteration in thin bands. No sulphides noted or veinlets. Minor banding of mafic volcanics from 840.85 to end of unit.
WZ-18-222W2	841.31	844.8	3.49	1A	Massive Flows	Fine grained green-blue black mafic volcanics with patchy weak to moderate foliation at 45 TCA. Foliation is increased with weak carbonate banding increased over last 1.5m. Rock shows strong amphibole and biotite alteration along with weak chlorite. No veining noted except a few cm wide stringers of granodiorite and a few carbonate filled fractured along foliation over last meter. No sulphides noted.
WZ-18-222W2	844.8	846.2	1.4	5B	Granodiorite	Fine grained to medium grained grey-white massive granodiorite. Similar to other units above but absent of foliation and increased biotite content. A few brecciated clasts of mafic volcanics also noted. No sulphides or veinlets.



WZ-18-222W2	846.2	852.23	6.03	1A	Massive Flows	Fine grained green-grey to black mafic volcanics with moderate carbonate banding creating moderate foliation at 50 TCA. Moderate pervasive amphibole and biotite alteration and moderate banded carbonate alteration along with beige coloured pyroxene alteration and possible weak epidote in patches along same bands. Garnets also observed in spots. Veining is fairly weak with thin subcm to cm quartz carb veinlets, milky white in colour with patchy orangey carb. Two veinlets shows increased pyrrhotite and minor chalcopyrite @846.3 and 850.5. One large vein or dike from 847.56 to 847.71m (seems like a pegmatite?, contains garnet) contains increased sulphides ~1% volume, mainly pyrrhotite.
WZ-18-222W2	852.23	853.89	1.66	5B	Granodiorite	Fine grained to medium grained grey-white massive granodiorite. Similar to other units above but absent of foliation and increased biotite content. A few brecciated clasts of mafic volcanics also noted. No sulphides or veinlets. Minor pegmatite dike from 853.44 to 853.69
WZ-18-222W2	853.89	887.49	33.6	1A	Massive Flows	Fine grained green-grey to black mafic volcanics with weak carbonate banding creating moderate foliation at 40 TCA. Moderate pervasive amphibole and biotite alteration and weak banded carbonate alteration along with garnet, beige coloured pyroxene alteration and possible weak epidote. Veining is fairly weak with thin subcm to cm quartz carb veinlets, milky white in colour with patchy orangey carb. One large qtz-carbonate vein at 872.26-872.41 with same orangey-green patches. Rare pyrrhotite mineralization. Minor granodiorite from 863.02 to 863.51 and 875.67-876.24
WZ-18-222W2	887.49	888.96	1.47	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. Increased biotite alteration in thin bands. No sulphides noted or veinlets.
WZ-18-222W2	888.96	902.85	13.89	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Mod Fol; ranges from few to no pillows to heavily altered/bleached areas; biotite banding; carbonate/sericite banding and bleaching; trace 0.5cm bands containing high quantities of PO; contains 2 minors; flooded quartz carbonate vein with 5-10% PO from 895.06-895.82; 7A unit from 895.82-896.55; contains 2% <5cm quartz carbonate veins with about half of them containing k-spar.
WZ-18-222W2	902.85	905.67	2.82	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. Increased biotite alteration in thin bands possible stretched mafic xenoliths. Cm-2cm wide white-grey-clear veinlets 1% volume. No sulphides noted. Minor 1B pillowed volcanics at 903.82-904.35.
WZ-18-222W2	905.67	914.65	8.98	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Moderate to locally strong foliation at 35TCA; Epidote, carbonate and quartz carb fractured pillow margins seen as bands parallel to foliation. Strong biotite banding also seen. Rare bands of Po along foliation. Minimal qtz carb fracture filling but no veins seen.
WZ-18-222W2	914.65	919.75	5.1	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. Increased biotite alteration in thin bands possibly stretched/altered mafic xenoliths. No sulphides noted or veinlets.
WZ-18-222W2	919.75	927.02	7.27	1A	Massive Flows	Dark blue-green/grey mafic volcanics with moderate foliation at 45TCA. Strong pervasive amphibole (including blue sodic amphibole) and weak to moderate chlorite alteration. Patchy disseminated leucoxene. A few thin veinlets and two larger veins @922.22-922.31 and 923.61-923.88m. Veins are white with patchy orange and black chloritic seams. Rare disseminated pyrite and a thin band along irregular upper contacts of larger vein.
WZ-18-222W2	927.02	933.25	6.23	5B	Granodiorite	Fine grained to medium grained leucocratic grey-white granodiorite with weak foliation at ~40 TCA defined by biotite. Increased biotite alteration in thin bands possibly stretched/altered mafic xenoliths. No sulphides noted or veinlets.
WZ-18-222W2	933.25	934.5	1.25	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics
WZ-18-222W2	934.5	944.57	10.07	5B	Granodiorite	Banded grey-white to dark green granodiorite with 35% bands/xenoliths of mafic volcanics and/or strong biotite alteration. Moderate foliation 40 TCA Contacts between sections are strong to locally diffused with increased biotite alteration. Strong patchy biotite and amphibole alteration. Mixed unit. Barren.
WZ-18-222W2	944.57	969	24.43	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics; still mixed units as in above granodiorite but lesser granodiorite volume ~30%. Strong patchy biotite amphibole alteration with weak pervasive chl and disseminated patchy leucoxene. Moderate foliation 40 TCA. Section from 967.7-968.1 shows strong patch of alteration; pillow like; moderate epidote sericite carbonate with weak garnet. Unit is barren
WZ-18-222W2	969	973.75	4.75	5B	Granodiorite	Banded grey-white to dark green granodiorite with 15% bands/xenoliths of mafic volcanics and/or strong biotite alteration. Weak foliation 50 TCA. Contacts between sections are strong to locally diffuse and irregular with increased biotite alteration. Strong patchy biotite and amphibole alteration. Section from 972.55 to 973 shows strong pink pottasic alteration with weak sericitic fracturing fading to a moderate albite alteration. Remainder of mixed unit is plain and barren.

WZ-18-222W2	973.75	985.53	11.78	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics; still mixed units as in above granodiorite but lesser granodiorite volume ~30%. Strong patchy biotite amphibole alteration with weak pervasive chl and disseminated patchy leucoxene. A few bands showing moderate epidote/sericite/carb alteration similar to those in pillowed units. Moderate foliation 45 TCA. Weak white qtz carb veining; sub cm veinlets parallel to foliation. Trace Po disseminated and banded along foliation.
WZ-18-222W2	985.53	987.32	1.79	5B	Granodiorite	Massive grey-white fine-medium grained granodiorite. A few strongly biotitic mafic xenoliths but not nearly as brecciated as units above. Unit is massive with only some weak biotite alteration no veining or sulphid noted.
WZ-18-222W2	987.32	996.8	9.48	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics. Weak to moderate foliation at 45-50 TCA. Pervasive moderate amphibole alteration with weak to moderate banded biotite. 0.5% weak carb veinlets parallel to crosscutting foliation. Trace Po.
WZ-18-222W2	996.8	998.4	1.6	4B	Feldspar Porphyry	light- purple grey moderately foliated fine grained intermediate dike; No porphyritic texture observed but similar alteration with strong albite/silicification and very fine disseminated biotite alteration. A few white carb-qtz stringers along foliation. Trace Po.
WZ-18-222W2	998.4	1014.61	16.21	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics. Weak to moderate foliation at 45-50 TCA. Pervasive moderate amphibole alteration with weak to moderate banded biotite. 0.5% weak carb veinlets parallel to crosscutting foliation. Trace Po/PY.
WZ-18-222W2	1014.61	1016.95	2.34	4ALT	Altered Feldspar Porphyry	Medium purple/grey; FG-MG; mod fol; weak alb banding; no phenos; ~1% disseminated sulfides; contains small 15cm qtz vein at end of unit that has trace sulfides;
WZ-18-222W2	1016.95	1018.67	1.72	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics. Weak to moderate foliation at 45-50 TCA. Pervasive moderate amphibole alteration with weak to moderate banded biotite. 0.5% weak carb veinlets parallel to crosscutting foliation. Trace Po.
WZ-18-222W2	1018.67	1019.64	0.97	1ALT	Altered Mafic Volcanic	Dark/light green MG massive mafic volcanics. moderate foliation at 45-50 TCA. Mod-str banded bi alteration. Mod pervasive chl; mod banded/patchy ser/car alteration; Trace Po/PY.
WZ-18-222W2	1019.64	1036.81	17.17	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics. Weak to moderate foliation at 45-50 TCA. Pervasive moderate amphibole alteration with weak to moderate banded biotite. 0.5% weak carb veinlets parallel to crosscutting foliation. Trace Po.
WZ-18-222W2	1036.81	1046.2	9.39	5B	Granodiorite	Massive grey-white fine-medium grained granodiorite; weak fol. Mod brecciation of 1A unit throughout; xenoliths up to 5cm diameter. weak stringer biotite alteration no veining or sulphid noted. Has 20cm section of gabbro; barren
WZ-18-222W2	1046.2	1050.65	4.45	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Moderate to locally strong foliation at 25TCA; Epidote, carbonate and quartz carb fractured pillow margins seen as bands parallel to foliation. mod biotite banding also seen. Minimal qtz carb fracture filling but no veins seen.
WZ-18-222W2	1050.65	1052.75	2.1	1A	Massive Flows	Dark green medium grained amphibolitic massive mafic volcanics. Weak to moderate foliation at 45-50 TCA. Pervasive moderate amphibole alteration with weak to moderate banded biotite. Barren.
WZ-18-222W2	1052.75	1069.5	16.75	1B	Pillowed Flows	Dark grey green, fine grained pillowed mafic flows. Moderate to locally strong foliation at 35TCA; Epidote, carbonate and quartz carb fractured pillow margins seen as bands parallel to foliation. mod biotite banding also seen. Areas of very large pillows where it appears more 1A but heavily pillowed at ends of those sections. Several white barren qtz veins seen; none exceed 15cm. Last 10cm of unit is 5B.

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	837.95	838.5	0.55	787234	0.025	25		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	894.99	895.76	0.77	787235	0.011	11		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1013.6	1014.52	0.92	787236	0.082	82		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1014.52	1015.5	0.98	787237	0.124	124		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1015.5	1016.09	0.59	787238	0.219	219		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1016.09	1016.97	0.88	787239	0.973	973		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Blank			0	787240	0.0025	< 5		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1016.97	1017.89	0.92	787241	0.21	210		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1017.89	1018.67	0.78	787242	0.056	56		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1018.67	1019.64	0.97	787243	0.025	25		
WZ-18-222W2	Wolf Zone	Actlabs	A18-18476	29-Nov-18	17-Dec-18	Assay	1019.64	1020.63	0.99	787244	0.007	7		



Hole Number:

WZ-18-222W3

Drill Rig:

Drill 19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					23-Nov-2018	24-Nov-2018	
<u>Planned Coordinates</u>		Azimuth:	48	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644906						
Northing	5407953	Dip:	-74	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				24-Nov-2018	25-Nov-2018	
<u>Final Pick up</u>		Depth(m):	375.00	Logger 1:	Josh Zundl		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Infill drill of the Wolf Zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		21.0	49.6	-73.3	56456		57.2
Results	Dip came up too quickly, had to re-wedge at 340m	51.0	54.1	-72.4	55059		61.7
		81.0	47.9	-72.1	56393		55.5
		111.0	46.6	-71.7	56234		54.2
		141.0	46.4	-71.4	55946		54
		171.0	45.5	-71.3	56179		53.1
		201.0	45.3	-71.2	56074		52.9
		231.0	44.2	-71.0	56098		51.8
		261.0	44.5	-70.1	56059		52.1
Comments		315.0	46.2	-65.6	56544	First test fo	53.8
		366.0	53.3	-54.0	55768		60.9
		369.0	48.7	-52.4	56540		56.3
Azimuth corrected to 7.6 degrees west declination							

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-222W3	0	295.15	295.15			Previously drilled in WZ-18-222
WZ-18-222W3	295.15	306.29	11.14	1A	Massive Flows	Dark green/grey; weak fol; FG-MG; 5% car loosely-banded up to 3cm - one of these bands contains 1cm bleb of PY; mod pervasive chl; weak bi banding; weak car/ser/act bleaching
WZ-18-222W3	306.29	307.84	1.55	4B	Feldspar Porphyry	Purple/white/grey/black; mod fol; FG-MG; 5% feld phenos; trace alb banding; weak bi banding; mod silicification; barren
WZ-18-222W3	307.84	313.37	5.53	1B	Pillowed Flows	Dark/light green/grey; mod fol; FG; mod pervasive chl; mod car/ser/act/bi patches/bands; 50cm section containing str car/tlc/ser/chl stingers resulting in heavy fracturing; barren
WZ-18-222W3	313.37	322.47	9.1	6B	Gabbro	Dark grey/green; weak fol; FG-MG; MG amph/pyr; FG felds/micas; weak pressure-fracturing; barren
WZ-18-222W3	322.47	324.81	2.34	6E	Intermediate Dyke	White/grey; mod fol; FG; mostly felsic minerals with mod disseminated fol bi; barren
WZ-18-222W3	324.81	338.71	13.9	6B	Gabbro	Dark grey/green; weak fol; FG-MG; MG amph/pyr; FG felds/micas; contains several large fractures ranging from 10cm-30cm long; barren
WZ-18-222W3	338.71	346.97	8.26	1B	Pillowed Flows	Dark/light green/grey; mod fol; FG; mod pervasive chl; mod car/ser/act/bi patches/bands; str chl altered selvages and pillow texture; barren
WZ-18-222W3	346.97	348.32	1.35	6E	Intermediate Dyke	Dark/light grey; weak fol; FG-MG; mod interstitial bi; barren
WZ-18-222W3	348.32	365.54	17.22	1B	Pillowed Flows	Dark/light green/grey; mod fol; FG; mod pervasive chl; mod car/ser/act/bi patches/bands; str chl altered selvages and pillow texture; barren
WZ-18-222W3	365.54	368.15	2.61	1A	Massive Flows	Dark green/grey; weak fol; FG; mod pervasive chl; weak bi banding; weak car/ser/act bleaching
WZ-18-222W3	368.15	373.47	5.32	6B	Gabbro	Dark grey/green; weak fol; FG-MG; MG amph/pyr; FG felds/micas; barren
WZ-18-222W3	373.47	375	1.53	1B	Pillowed Flows	Dark/light green/grey; mod fol; FG; mod pervasive chl; weak car/ser/act/bi patches/bands; weak chl altered selvages and pillow texture; barren
	375	375				EOH





Hole Number:

WZ-18-222W4

Drill Rig:

Drill 19

Claim Number:

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					25-Nov-2018	3-Dec-2018
<u>Planned Coordinates</u>		<b>Azimuth:</b>	48	<b>Drill Contractor:</b>	Forages Chibougamau Ltée	
<b>Easting</b>	644906	<b>Dip:</b>	-74	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Northing</b>	5407953				26-Nov-2018	4-Dec-2018
<b>Elevation(m)</b>	411					
<u>Final Pick up</u>		<b>Depth(m):</b>	963.00	<b>Logger 1:</b>	Josh Zundl	
<b>Easting</b>		<b>Core Size:</b>	NQ	<b>Logger 2:</b>	Andrew Wehrfritz	
<b>Northing</b>				<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

**Casing**

<b>Purpose of Hole</b>	Infill drill of the Wolf Zone	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		21.0	49.6	-73.3	56456		57.2
		51.0	54.1	-72.4	55059		61.7

<b>Results</b>	Primary zone was intersected from 885m to 889.08m consisting 1ALT and 4ALT units. 10+ specs of VG noted in a quartz vein from 886.06 to 886.11 along with galena and molybdenite. 2 specs of VG also noted in quartz flooding with the Massive flow unit	81.0	47.9	-72.1	56393		55.5
		111.0	46.6	-71.7	56234		54.2
		141.0	46.4	-71.4	55946		54
		171.0	45.5	-71.3	56179		53.1
		201.0	45.3	-71.2	56074		52.9
		231.0	44.2	-71.0	56098		51.8
		261.0	44.5	-70.1	56059		52.1

<b>Comments</b>	Andrew started logging at 538m	321.0	42.8	-69.5	56079		50.4
		354.0	50.6	-59.9	56406	First test fo	58.2
		384.0	51.9	-58.9	56345	6M M.G.	59.5
		414.0	52.4	-58.1	56339		60
		444.0	52.4	-57.4	56132		60
		498.0	52.6	-57.1	55829		60.2
		528.0	64.7	-56.3	63881	High Mag	72.3
		534.0	54.3	-56.6	55855		61.9
		567.0	55.8	-54.6	56316		63.4
		597.0	60.5	-54.1	55973		68.1

<b>Azimuth corrected to 7.6 degrees west declination</b>		627.0	53.8	-53.1	56060		61.4
		657.0	55.0	-52.2	56011		62.6
		687.0	53.0	-50.9	56060		60.6
		717.0	53.7	-50.8	55806		61.3
		750.0	54.0	-49.0	56717		61.6
		777.0	53.9	-48.0	56192		61.5
		807.0	55.0	-47.4	56206		62.6
		837.0	54.5	-46.9	56153		62.1
		873.0	56.4	-46.6	55790		64
		903.0	53.8	-45.4	56082		61.4
		933.0	53.7	-44.5	57002		61.3
		957.0	57.5	-44.4	55802		65.1
		993.0	60.7	-42.8	55432		68.3

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-222W4	0	334.3	334.3			Previously drilled in WZ-18-222
WZ-18-222W4	334.3	338.98	4.68	6B	Gabbro	Dark grey/black/slightly green; FG-MG; very weak fol; weak pervasive bi/chl; trace hydrothermal pressure-fracturing; barren
WZ-18-222W4	338.98	347.46	8.48	1B	Pillowed Flows	Light-Medium Green/grey/white; FG; mod fol; mod pervasive chl; mod banded/patchy car/act/bi; barren
WZ-18-222W4	347.46	348.57	1.11	6F	Mafic Dyke	Grey/black; FG-MG; weak fol; mod interstitial mafic-rich albite banding; trace blebby PY
WZ-18-222W4	348.57	366.66	18.09	1B	Pillowed Flows	Light-Medium Green/grey/white; FG; mod fol; mod pervasive chl; mod wispy banded/patchy car/act/bi; barren
WZ-18-222W4	366.66	371.19	4.53	1A	Massive Flows	Medium Green/grey/white; FG; mod fol; mod pervasive chl; weak banded car/act/bi; barren
WZ-18-222W4	371.19	375.62	4.43	6B	Gabbro	Dark grey/black/slightly green; FG-MG; weak fol; weak pervasive bi/chl; weak hydrothermal pressure-fracturing; barren
WZ-18-222W4	375.62	378.54	2.92	1B	Pillowed Flows	Light-Medium Green/grey/white; FG; mod fol; mod pervasive chl; mod wispy banded/patchy car/act/bi; barren
WZ-18-222W4	378.54	383.02	4.48	1A	Massive Flows	Medium Green/grey/white; FG; mod fol; mod pervasive chl; weak banded car/act/bi; barren
WZ-18-222W4	383.02	384.89	1.87	1B	Pillowed Flows	Light-Medium Green/grey/white; FG-MG; mod fol; mod pervasive chl; mod banded/stringer car/act/bi; barren
WZ-18-222W4	384.89	386.03	1.14	1U	Ultramafic Flows	medium green; FG; mod fol; mod pervasive chl; magnetic; weak hydrothermal pressure-fractures; one blebby contact containing PO/PY/CPY.
WZ-18-222W4	386.03	388.7	2.67	1A	Massive Flows	Medium Green/grey/white; FG; mod fol; mod pervasive chl; weak banded car/act/bi; barren. Contains minor of 4B as well as a number of bands of smaller than minor units of 4B
WZ-18-222W4	388.7	390.9	2.2	1B	Pillowed Flows	Light-Medium Green/grey/white; FG-MG; mod fol; mod pervasive chl; mod banded/stringer car/act/bi; barren
WZ-18-222W4	390.9	392.32	1.42	1U	Ultramafic Flows	medium green/white/pink; FG-MG; mod fol; weak patchy car/cal/ser; magnetic; str pervasive chl - including larger grains of chl; barren
WZ-18-222W4	392.32	398.93	6.61	1A	Massive Flows	Medium Green/grey/white; FG; mod fol; mod pervasive chl; weak banded car/act/bi. Contains large blebs of PO/PY/CPY 398.5-398.93. Contains minor of 3D;4B; and 1U
WZ-18-222W4	398.93	402.45	3.52	1U	Ultramafic Flows	medium green/white; FG; mod fol; Pervasive str chl weak patchy talc and moderate biotite; barren; Minor iron formation from 399.87 to 400.71
WZ-18-222W4	402.45	411.86	9.41	1A	Massive Flows	Medium Green/grey; fine grained weak to moderately foliated at 45TCA. Moderate pervasive biotite amphibole and weak pervasive chlorite and carbonate bands; barren. 5cm breccia dike? Seemingly out of place within core. Minor 4B from 408.9-409.78 and minor iron formation from 410.84-411.16
WZ-18-222W4	411.86	412.95	1.09	4B	Feldspar Porphyry	Green/grey mesocratic well foliated feldspar porphyry. Moderate to strong pervasive amphibole and biotite and weak chl and along with disseminated weak garnet. Weak veining with a single clear-grey qtz carb veinlets sub cm width and discontinuous across core. 0.5% disseminated PO.
WZ-18-222W4	412.95	414.44	1.49	1B	Pillowed Flows	Green grey fine grained weakly pillowed mafic volcanic. Weak pervasive amphibole, biotite and chl alteration with weak-moderate banded epidote carbonate along pillow selvages.
WZ-18-222W4	414.44	417.88	3.44	4B	Feldspar Porphyry	Green/grey mesocratic well foliated feldspar porphyry. Moderate to strong pervasive amphibole and biotite and weak chl and along with disseminated weak garnet. No veining. 0.5% disseminated PO. A few sub 10cm bands of mafic Volcanics
WZ-18-222W4	417.88	421.89	4.01	1A	Massive Flows	Medium Green/grey; fine grained weak to moderately foliated at 45TCA. Moderate pervasive biotite amphibole and weak pervasive chlorite and carbonate bands; barren and a single orangey carb qtz veinlet 1cm in width. Minor iron formation over final 49cm hosting only sulphides in unit.
WZ-18-222W4	421.89	423.53	1.64	4B	Feldspar Porphyry	Grey well foliated fine to medium grained feldspar porphyry. Phenocrysts are washed out and have diffuse boundaries from alteration. Strong pervasive silicification. Moderate pervasive amphibole and biotite and weak chl and patchy kspar. One cm wide grey-clear veinlet. Rare disseminated PO.
WZ-18-222W4	423.53	426.91	3.38	1A	Massive Flows	Medium Green/grey; fine grained weak to moderately foliated at 45TCA. Moderate pervasive biotite amphibole and weak pervasive chlorite and carbonate bands; very weak epidote along carb possible some sort of pillow; A single grey-clear cm wide qtz carb veinlet; barren
WZ-18-222W4	426.91	430.79	3.88	5B	Granodiorite	Green/grey-pink weakly foliated granodiorite. Moderate pervasive amphibole and biotite and weak chl. Weak patchy-banded kspar. Similar to other porphyry intrusive surrounding but with less foliation. No veining or sulphides noted.
WZ-18-222W4	430.79	436.69	5.9	1A	Massive Flows	Medium Green/grey; fine grained weak to moderately foliated at 45TCA. Moderate pervasive biotite amphibole and weak pervasive chlorite. Band of carbonate and epidote possible weak pillows but most is massive. Orangey carbonate fill fracturing; irregular. Barren.
WZ-18-222W4	436.69	439.2	2.51	4B	Feldspar Porphyry	Green/grey mesocratic well foliated feldspar porphyry. Moderate to strong pervasive amphibole and biotite and weak chl. No veining. 0.5% disseminated PO. One minor mafic volcanic unit 438.15-428.50.



WZ-18-222W4	439.2	465.5	26.3	1A	Massive Flows	Green-grey fine grained massive to weakly foliated mafic volcanic. Local patches seemingly weakly pillowed but mostly massive. Moderate pervasive amphibole biotite and weak chlorite. Strong localized biotite banding along with weak carbonate banding giving rare pillowed texture as stated above. A few wide qtz carbonated veins; white to grey with chloritic bands; barren. No sulphides noted.
WZ-18-222W4	465.5	487.8	22.3	6B	Gabbro	Medium to coarse grained mafic volcanic (gabbro). Strong pervasive amphibole and moderate biotite and chlorite. A few white-grey carbonate veins and veinlets. Patchy disseminated to blebby Po; Locally 2% volume but <1% overall.
WZ-18-222W4	487.8	514.5	26.7	1A	Massive Flows	Green-grey fine grained massive to weakly foliated mafic volcanic. Local patches seemingly weakly pillowed but mostly massive. Local sections also showing weak amygdule's. Moderate pervasive amphibole biotite and weak chlorite. Strong localized biotite banding along with weak carbonate banding giving rare pillowed texture as stated above. A few minor felsic intrusive. Trace patchy Po locally banded.
WZ-18-222W4	514.5	534	19.5	6B	Gabbro	Medium to coarse grained mafic volcanic (gabbro). Strong pervasive amphibole and moderate biotite and chlorite. A few white-grey carbonate veins and veinlets. Patchy disseminated to blebby Po; Locally 2% volume but <1% overall.
WZ-18-222W4	534	538	4	1A	Massive Flows	Green-grey fine grained massive to weakly foliated mafic volcanic. Moderate pervasive amphibole biotite and weak chlorite. Minor patch of coarser grained amphibole showing more gabbroic.
WZ-18-222W4	538	567.3	29.3	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers.
WZ-18-222W4	567.3	620.38	53.08	1A	Massive Flows	Green-grey fine grained massive to weakly foliated mafic volcanic. Moderate pervasive amphibole biotite and weak chlorite. Minor patch of coarser grained amphibole showing more gabbroic. Moderate magnetic properties intermittently throughout. Millimetric sized garnets intermittently throughout.
WZ-18-222W4	620.38	621.4	1.02	5B	Granodiorite	mg, white to light grey unit a massive texture. Unit is composed predominately of white feldspar with lesser amounts of quartz; black biotite speckling throughout the unit as well as fg muscovite.
WZ-18-222W4	621.4	630	8.6	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Occasional calcite/quartz stringers
WZ-18-222W4	630	643.48	13.48	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amphibole/pyroxene ranging from mg to cg with fg grey feldspar interstitially throughout. Biotite interstitially throughout. Intermittent quartz stringers. Weak foliation intensity
WZ-18-222W4	643.48	652.85	9.37	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout. Intermittent calcite and quartz stringers. Light green blebs of alteration intermittently in some sections appear clastic.
WZ-18-222W4	652.85	670.1	17.25	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Section of granodiorite at 655m.
WZ-18-222W4	670.1	671.32	1.22	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~40% moderately strained and elongated millimetric white feldspar phenocrysts. Phenocrysts are abundant with weak boundaries as a result of this the unit may be a granodiorite.
WZ-18-222W4	671.32	688.86	17.54	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Section of mechanically broken core from 668 to 669.
WZ-18-222W4	688.86	713.38	24.52	7A	Diabase	fg, dark grey mafic rock with moderate to strong magnetic properties. Unit is massive in texture and also contains up to 5% feldspar glomerophyres millimetric to centimetric in size.
WZ-18-222W4	713.38	723.9	10.52	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout. Intermittent calcite and quartz stringers.
WZ-18-222W4	723.9	767.4	43.5	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers.

WZ-18-222W4	767.4	771.26	3.86	1ALT	Altered Mafic Volcanic	fg, light grey to dark green unit with a pillowed and banded texture. Unit is composed predominately of mafic minerals with a moderate to high frequency of light green and brown alteration bands. Moderate amount of quartz flooding in sections of the unit as well. Up to .5% sulphides stringers intermittently throughout the unit.
WZ-18-222W4	771.26	829.9	58.64	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout. Intermittent calcite and quartz stringers. Narrow section of diabase from 788.4 to 788.61. Calcite and light pink alteration from 790.36 to 790.56 and 790.62 to 791. Quartz flooding along with increased biotite banding and up to 3% sulphide stringers from 817.70 to 818.03
WZ-18-222W4	829.9	831.85	1.95	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts. Phenocrysts are abundant with weak boundaries as a result of this the unit may be a granodiorite. Light green alteration halos surround some healed fractures.
WZ-18-222W4	831.85	847.25	15.4	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from mg to cg with fg grey feldspar interstitially throughout. Biotite interstitially in sections. Intermittent quartz stringers. Weak foliation intensity
WZ-18-222W4	847.25	859.1	11.85	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout. Intermittent calcite and quartz stringers.
WZ-18-222W4	859.1	860.12	1.02	5B	Granodiorite	mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout.
WZ-18-222W4	860.12	869.37	24.88	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout. Intermittent calcite and quartz stringers.
WZ-18-222W4	869.37	869.63	0.26	1ALT	Altered Mafic Volcanic	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity and a significant amount of smokey quartz flooding. Minor amount of biotite alteration interstitially. Approximately 2% disseminated sulphides.
WZ-18-222W4	869.63	871.27	1.64	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout.
WZ-18-222W4	871.27	871.62	0.35	1ALT	Altered Mafic Volcanic	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity and a significant amount of smokey quartz flooding. Minor amount of biotite alteration interstitially. Approximately 2% disseminated sulphides with two specs of VG.
WZ-18-222W4	871.62	885	13.38	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Light green alteration bands intermittently throughout.
WZ-18-222W4	885	885.7	0.7	1ALT	Altered Mafic Volcanic	fg, light grey to dark green unit with a pillowed and banded texture. Unit is composed predominately of mafic minerals with a moderate to high frequency of light green and brown alteration bands. Moderate amount of quartz flooding in sections of the unit as well. Up to 2% sulphides stringers/blebs intermittently throughout the unit. Quartz vein from 886.06 to 886.11 that contains several small specs of moly, galena as well as 10+ specs of VG.
WZ-18-222W4	885.7	887.9	2.2	4ALT	Altered Feldspar Porphyry	fg to mg grey unit with a strong purple hue. Unit is felsic in composition and is composed of fg silica and biotite with highly strained and elongated feldspar phenocrysts throughout. Quartz stringers and wisps running intermittently throughout; three quartz veins from 885.77 to 885.82, 887.1 to 887.15, 887.3 to 887.41. Up to 2% sulphides throughout unit; strongly associated with quartz flooding.
WZ-18-222W4	887.9	889.08	1.18	1ALT	Altered Mafic Volcanic	fg, light grey to dark green unit with a pillowed and banded texture. Unit is composed predominately of mafic minerals with a moderate to high frequency of light green and brown alteration bands. Minor amount of quartz flooding in sections of the unit. Up to .5% sulphides stringers/blebs intermittently throughout the unit.
WZ-18-222W4	889.08	902.88	13.8	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Moderate amount of biotite alteration interstitially. Frequent quartz stringers, wisps and veinlets throughout.

WZ-18-222W4	902.88	915.28	12.4	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers.
WZ-18-222W4	915.28	940.98	25.7	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-222W4	940.98	943.55	2.57	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout. Millimetric to centimetric size mafic xenoliths are observed throughout and make up approximately 10% of the unit.
WZ-18-222W4	943.55	951.26	7.71	6B	Gabbro	mg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from mg to cg with minor amounts of mg grey granodiorite intersections throughout. Biotite interstitially in sections. No foliation.
WZ-18-222W4	951.26	960.35	9.09	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout. Millimetric to centimetric size mafic xenoliths are observed throughout and make up approximately 25% of the unit. Pink straining in sections as well.
WZ-18-222W4	960.35	963.6	3.25	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Occasional calcite/quartz stringers
WZ-18-222W4	963.6	981	17.4	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout. Millimetric to centimetric size mafic xenoliths are observed throughout and make up approximately 50% of the unit; some of which contain biotite alteration halos. Pink straining in sections as well from 966 to 976. High degree of natural fracturing from 966 to 972; on average 5/meter.
WZ-18-222W4	981	985	4	1U	Ultramafic Flows	fg, light grey, highly altered mafic unit with a massive texture. High degree of talc and chlorite alteration throughout with moderate to strong magnetic properties. Narrow gabbro sections in a couple areas of the unit.
WZ-18-222W4	985	986.02	1.02	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout. Millimetric to centimetric size mafic xenoliths are observed throughout and make up approximately 40% of the unit. No foliation. Some fragments of feldspar porphyry are also apparent in sections.
WZ-18-222W4	986.02	987.62	1.6	6B	Gabbro	mg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from mg to cg with minor amounts of mg grey granodiorite intersections throughout. Biotite interstitially in sections. No foliation.
WZ-18-222W4	987.62	1007.5	19.88	5B	Granodiorite	Mg, light grey felsic unit with a massive texture. Unit is composed predominately of mg light grey feldspar with lesser amounts of quartz. Black biotite speckling is also observed throughout. Millimetric to centimetric size mafic xenoliths are observed throughout and make up approximately 40% of the unit. Pink straining in sections as well.
WZ-18-222W4	1007.5	1007.5	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	766.4	767.4	1	787245	0.008	8		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	767.4	768	0.6	787246	0.024	24		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	768	769	1	787247	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	769	770	1	787248	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	770	770.84	0.84	787249	0.005	5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	OREAS 215			0	787250	3.43	3430		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	770.84	771.26	0.42	787251	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	771.26	772	0.74	787252	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	772	773	1	787253	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	817.12	817.7	0.58	787254	0.042	42		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	817.7	818.03	0.33	787255	0.152	152		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	818.03	819	0.97	787256	0.012	12		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	868.5	869.3	0.8	787257	0.01	10		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	869.3	869.63	0.33	787258	2.58	2580		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	869.63	870.58	0.95	787259	0.303	303		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Blank			0	787260	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	870.58	871.27	0.69	787261	0.587	587		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	871.27	871.62	0.35	787262	54.1	> 10000	62.1	54.1
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	871.62	872.5	0.88	787263	0.06	60		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	881	882	1	787264	0.039	39		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	882	883	1	787265	0.098	98		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	883	884	1	787266	0.095	95		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	884	885	1	787267	1.53	1530		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	885	885.77	0.77	787268	45.2	> 10000	39.1	45.2
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	885.77	887	1.23	787269	1.02	1020		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	OREAS 216			0	787270	6.43	6430		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	887	887.9	0.9	787271	14.5	8270	14.5	
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	887.9	889.08	1.18	787272	0.242	242		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	889.08	890	0.92	787273	0.05	50		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	890	891	1	787274	0.044	44		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	872.5	873	0.5	787275	0.047	47		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	873	874	1	787276	0.168	168		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	874	875	1	787277	0.134	134		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	875	876	1	787278	0.014	14		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	876	877	1	787279	0.019	19		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Blank				787280	0.0025	< 5		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	877	878	1	787281	0.041	41		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	878	879	1	787282	0.038	38		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	879	880	1	787283	0.028	28		
WZ-18-222W4	Wolf Zone	Actlabs	A18-18823	06-Dec-18	11-Dec-18	Assay	880	881	1	787284	0.046	46		



Hole Number:

WZ-18-223

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Nov-25th 2018	Nov 28th 2018	
<u>Planned Coordinates</u>		Azimuth:	50	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644954						
Northing	5407840	Dip:	-77	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				Nov 26th 2018	Nov 29th 2018	
<u>Final Pick up</u>		Depth(m):	459.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:			
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)				Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Infill drilling of the Wolf Zone	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		21.0	48.1	-76.5	56893		55.7
Results		51.0	48.4	-76.2	56759		56
		81.0	49.0	-75.9	56703		56.6
		111.0	48.7	-76.1	56762		56.3
		141.0	47.5	-76.1	56843		55.1
		171.0	48.5	-75.5	56561		56.1
		201.0	48.0	-75.2	56469		55.6
		231.0	47.5	-74.6	55768		55.1
		261.0	46.6	-73.9	56796		54.2
Comments	Hole was wedged with a roll of 50 to increase the azimuth.	291.0	45.1	-73.7	56770		52.7
		321.0	44.7	-74.0	56507		52.3
		351.0	44.4	-73.9	56696		52
		381.0	45.0	-73.6	56869		52.6
		411.0	44.4	-72.8	56669		52
		441.0	44.3	-72.6	56706		51.9
				-7.6			
Azimuth corrected to 7.6 degrees west declination				-7.6			
				-7.6			
				-7.6			
				-7.6			

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-223	0	6	6	CAS	Casing	
WZ-18-223	6	7.4	1.4	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	7.4	10.35	2.95	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~5% weakly to moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	10.35	17.2	6.85	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Foliation is approximately 40 dtca.
WZ-18-223	17.2	19	1.8	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	19	22	3	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	22	24.62	2.62	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	24.62	30.11	5.49	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	30.11	32.05	1.94	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	32.05	47.33	15.28	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Increased biotite alteration from 35 to 35.4.
WZ-18-223	47.33	48.5	1.17	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	48.5	76.14	27.64	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	76.14	79	2.86	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	79	81.3	2.3	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	81.3	82.56	1.26	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	82.56	84.75	2.19	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	84.75	87.34	2.59	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	87.34	94.54	7.2	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	94.54	99.48	4.94	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	99.48	123.8	24.32	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Sections of this unit appear predominately medium grained and could be potentially classified as massive mafic flows.
WZ-18-223	123.8	126.7	2.9	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.

WZ-18-223	126.7	140.25	13.55	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Sections of this unit appear predominately medium grained and could be potentially classified as massive mafic flows.
WZ-18-223	140.25	143.64	3.39	3D	Iron Formation	fg, light grey to dark grey felsic unit with a laminated texture. The unit alternating between silica and mafic layers and contains a slight purple hue in some sections. Approximately 1% sulphide stringers throughout (primarily py, lesser cpy and po). Wider sections of mafics towards the middle of the unit.
WZ-18-223	143.64	145.35	1.71	1A	Massive Flows	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout.
WZ-18-223	145.35	146.68	1.33	3D	Iron Formation	fg, light grey to dark grey felsic unit with a laminated texture. The unit alternating between silica and mafic layers and contains a slight purple hue in some sections. Approximately 1% sulphide stringers throughout (primarily py, lesser cpy and po).
WZ-18-223	146.68	164.5	17.82	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Narrow intermediate dyke from 152.3 to 152.5.
WZ-18-223	164.5	166.25	1.75	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	166.25	167.35	1.1	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers.
WZ-18-223	167.35	170	2.65	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	170	172.82	2.82	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. intermittent biotite stringers.
WZ-18-223	172.82	173.74	0.92	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	173.74	175.35	1.61	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers.
WZ-18-223	175.35	178.91	3.56	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	178.91	196.95	18.04	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Biotite alteration intermittently throughout.
WZ-18-223	196.95	198.05	1.1	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	198.05	260.12	62.07	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Mechanically fractured core from 199m to 200m and 213.4 to 214m.
WZ-18-223	260.12	262.84	2.72	5B	Granodiorite	mg, white to light grey unit a massive texture. Unit is composed predominately of white feldspar with lesser amounts of quartz; black biotite speckling throughout the unit as well as fg muscovite.
WZ-18-223	262.84	298.22	35.38	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Narrow section of 3d from 297 to 297.5 with a pale purple hue and up to 1% sulphide stringers.
WZ-18-223	298.22	299.3	1.08	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.

WZ-18-223	299.3	330	30.7	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Minor amount of quartz flooding at 329.5 associated with an increased amount of biotite alteration.
WZ-18-223	330	353.27	23.27	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223	353.27	359.38	6.11	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~35% weakly to moderately strained and elongated millimetric white feldspar phenocrysts. Light green alteration halos surround some healed fractures. Minor amounts of sericite disseminated throughout.
WZ-18-223	359.38	361.68	2.3	3D	Iron Formation	fg, light grey to dark grey felsic unit with a laminated texture. The unit alternating between silica and mafic layers and contains a slight purple hue in some sections. Approximately 3% sulphide overall as stringers throughout (primarily po, lesser cpy and po). Large po bleb at 360.8.
WZ-18-223	361.68	368.92	7.24	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~35% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	368.92	378	9.08	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Grain size increases gradationally with depth.
WZ-18-223	378	404.64	26.64	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Sections of this unit appear predominately medium grained and could be potentially classified as massive mafic flows. Gradational upper contact.
WZ-18-223	404.64	406.42	1.78	4B	Feldspar Porphyry	fg to mg, grey unit with a slight purple hue. Fg biotite and felsic ground mass containing ~30% moderately strained and elongated millimetric white feldspar phenocrysts.
WZ-18-223	406.42	426.12	19.7	1B	Pillowed Flows	fg to mg, dark green to dark grey mafic unit with a pillowed texture. Unit is composed predominately of mafics with lighter green alteration bands intermittently throughout composed of epidote/chlorite/amph. Occasional calcite/quartz stringers. Minor amounts of blebby sulphides associated with some alteration bands. (<1% overall )
WZ-18-223	426.12	428	1.88	1A	Massive Flows	fg to mg, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223	428	459	31	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout. Sections of this unit appear predominately medium grained and could be potentially classified as massive mafic flows. Gradational upper contact. Narrow section of granite at 444m , and 456m.
WZ-18-223	459	459	0			EOH







<b>Hole Number:</b>	<b>WZ-18-223W</b>
<b>Drill Rig:</b>	HC-150-17
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>	
Surface					Nov 28th 2018	13-Dec-2018	
<u>Planned Coordinates</u>		<b>Azimuth:</b>	50	<b>Drill Contractor:</b>	Forages Chibougamau Ltée		
<b>Easting</b>	644954						
<b>Northing</b>	5407840						
<b>Elevation(m)</b>	411	<b>Dip:</b>	-77	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>	
<u>Final Pick up</u>					Nov 29th 2018	14-Dec-2018	
<b>Easting</b>		<b>Depth(m):</b>	1271.28	<b>Logger 1:</b>	Andrew Wehrfritz		
<b>Northing</b>					<b>Logger 2:</b>	Jordan Keir-Sage	
<b>Elevation(m)</b>					<b>Logger 3:</b>		
<b>Casing</b>		<b>Core Size:</b>		<b>Assay Lab:</b>	Actlabs		
Cemented		NQ					

Purpose of Hole	Infill drilling of the Wolf Zone	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Weakly altered zone intersected at 1110.14 - 1122.14., low sulfides and trace qtz veins	21.0	48.1	-76.5	56893		55.7
		51.0	48.4	-76.2	56759		56
		81.0	49.0	-75.9	56703		56.6
		111.0	48.7	-76.1	56762		56.3
		141.0	47.5	-76.1	56843		55.1
		171.0	48.5	-75.5	56561		56.1
		201.0	48.0	-75.2	56469		55.6
		231.0	47.5	-74.6	55768		55.1
		261.0	46.6	-73.9	56796		54.2
		291.0	45.1	-73.7	56770		52.7
Comments	Andrew logged until 474.50	321.0	44.7	-74.0	56507		52.3
		351.0	44.4	-73.9	56696		52
		381.0	45.0	-73.6	56869		52.6
		411.0	44.4	-72.8	56669		52
		441.0	44.3	-72.6	56706		51.9
		474.0	47.2	-69.7	56729		54.8
		504.0	47.0	-68.7	56531		54.6
		534.0	47.9	-68.4	56609		55.5
		570.0	57.3	-68.1	54223		64.9
		600.0	49.3	-67.9	56002		56.9
Azimuth corrected to 7.6 degrees west declination		630.0	71.3	-67.1	60343		78.9
		639.0	49.2	-66.7	56978		56.8
		663.0	48.1	-66.3	56690		55.7
		690.0	47.7	-65.8	56973		55.3
		717.0	47.7	-65.5	56783		55.3
		738.0	47.8	-65.0	56742		55.4
		774.0	49.6	-63.6	56722		57.2
		801.0	48.5	-62.5	56706		56.1
		822.0	49.2	-61.6	57076		56.8
		846.0	47.6	-61.5	56552		55.2
		867.0	50.6	-60.6	56825		58.2
		890.0	52.1	-60.4	56239		59.7
		912.0	50.3	-59.4	56631		57.9
		927.0	50.3	-58.6	56777		57.9
		954.0	50.7	-57.4	56960		58.3
		987.0	51.2	-56.9	56776		58.8
		1017.0	51.8	-56.3	56736		59.4
		1053.0	51.9	-55.7	56835		59.5
		1083.0	42.4	-54.9	56781		50
		1113.0	53.4	-53.2	56763		61
		1143.0	48.6	-55.2	58664		56.2
		1173.0	54.9	-62.5	57352		62.5
		1203.0	53.2	-52.0	57532		60.8
		1233.0	56.1	-50.5	59467		63.7
		1263.0	56.5	-50.1	57342		64.1

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-223W	0	453.5	453.5			Previously drilled in WZ-18-223
WZ-18-223W	453.5	477.82	24.32	6B	Gabbro	fg to cg, dark green mafic rock with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	477.82	522.85	45.03	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W	522.85	558.55	35.7	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	558.55	560.25	1.7	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W	560.25	564.14	3.89	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	564.14	570.04	5.9	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Blocky core
WZ-18-223W	570.04	586.86	16.82	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	586.86	589.12	2.26	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Blocky core
WZ-18-223W	589.12	594.71	5.59	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	594.71	599.58	4.87	1A	Massive Flows	Dark green, grey. Fine to medium grained massive mafic flow, unit has similar patches of purple alterations similar to 4Alt material, however it is not sheared like the normal ore zone. Small possible iron formations are mixed in unit
WZ-18-223W	599.58	605.95	6.37	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	605.95	614.27	8.32	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Unit also has multiple 10cm inclusion of (probable) iron formations. These formations have approx. 10-15 % PO
WZ-18-223W	614.27	621.88	7.61	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of amph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W	621.88	630.56	8.68	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic. Unit also has multiple 10cm inclusion of (probable) iron formations. These formations have approx. 10-15 % PO
WZ-18-223W	630.56	635.5	4.94	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	635.5	636.5	1	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 25% of unit
WZ-18-223W	636.5	638.24	1.74	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	638.24	640.93	2.69	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 25% of unit
WZ-18-223W	640.93	644.6	3.67	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	644.6	647.23	2.63	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 25% of unit
WZ-18-223W	647.23	661.9	14.67	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	661.9	695.11	33.21	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W	695.11	698.22	3.11	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 25% of unit
WZ-18-223W	698.22	718.03	19.81	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.

WZ-18-223W	718.03	723.97	5.94	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	723.97	725.17	1.2	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 25% of unit
WZ-18-223W	725.17	748.31	23.14	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	748.31	763.98	15.67	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W	763.98	765.85	1.87	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are elongated and corroded
WZ-18-223W	765.85	785.59	19.74	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 35% of unit
WZ-18-223W	785.59	838.55	52.96	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. @ 799m there is a healed fault, btw 797 - 801 there are sericites fractures. btw 836 - 838 there is high levels of magnetics, probably magnetite
WZ-18-223W	838.55	839.72	1.17	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 10% of unit
WZ-18-223W	839.72	869.65	29.93	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	869.65	887.03	17.38	7A	Diabase	Black grey, fine to medium grained diabase. No foliation, unit strongly magnetic. Coarse grain feldspar glomophyeres
WZ-18-223W	887.03	907.9	20.87	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	907.9	915.46	7.56	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 15% of unit. Some bands of garnets
WZ-18-223W	915.46	921.7	6.24	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	921.7	935.96	14.26	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 15% of unit. Some bands of garnets
WZ-18-223W	935.96	956.87	20.91	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	956.87	965.29	8.42	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 15% of unit. Some bands of garnets
WZ-18-223W	965.29	995.53	30.24	1A	Massive Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 10% of unit. Some bands of garnets
WZ-18-223W	995.53	1011.5	15.97	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 15% of unit. Some bands of garnets
WZ-18-223W	1011.5	1028.09	16.59	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	1028.09	1037.63	9.54	7A	Diabase	Black grey, fine to medium grained diabase. No foliation, unit strongly magnetic. Coarse grain feldspar glomophyeres. This unit is intruded by a later diabase. The 2ndary diabase intruded in 10 cm section and has a high mafic content then the main diabase unit
WZ-18-223W	1037.63	1063.83	26.2	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Small 24 cm section of possible altered feldspar porphyry, 1% sulphides (PY with Trace PO) from 1043.58 - 1043.82
WZ-18-223W	1063.83	1074	10.17	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Trace wispy qtz calcite
WZ-18-223W	1074	1078.47	4.47	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.

WZ-18-223W	1078.47	1080.22	1.75	7A	Diabase	Black grey, fine to medium grained diabase. No foliation, unit strongly magnetic. Coarse grain feldspar glomophyres
WZ-18-223W	1080.22	1110.14	29.92	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	1110.14	1112.5	2.36	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. <1% PY and PO, trace qtz (> 1 cm) qtz veinlets
WZ-18-223W	1112.5	1113.5	1	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	1113.5	1116.72	3.22	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. <1% PY and PO, trace qtz (> 1 cm) qtz veinlets
WZ-18-223W	1116.72	1117.48	0.76	4ALT	Altered Feldspar Porphyry	Purplish; fine-grained; weakly sheared at, feldspars appear stretched parallel shear fabric; sericite haloes along some fractures; 1% disseminated pyrite,
WZ-18-223W	1117.48	1119.82	2.34	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. <1% PY and PO,
WZ-18-223W	1119.82	1120.38	0.56	4ALT	Altered Feldspar Porphyry	Purplish; fine-grained; weakly sheared at, feldspars appear stretched parallel shear fabric; sericite haloes along some fractures; 1% disseminated pyrite,
WZ-18-223W	1120.38	1122.14	1.76	1ALT	Altered Mafic Volcanic	Green grey, fine to medium grained Altered mafic flow, moderate foliation. Moderate pervasive chlorite, Patches of moderate biotite, as well as sections of banded biotite/chlorite/carbonates. <1% PY and PO,
WZ-18-223W	1122.14	1151.44	29.3	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	1151.44	1157.46	6.02	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 10% of unit. Some bands of garnets
WZ-18-223W	1157.46	1157.8	0.34	FZ	Fault Zone	Broken core, centered around a faulted qtz vein. Gouge is observed in rubbly qtz and mafics
WZ-18-223W	1157.8	1161.43	3.63	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 10% of unit. Some bands of garnets
WZ-18-223W	1161.43	1224.01	62.58	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W	1224.01	1234.03	10.02	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 10% of unit. Some bands of garnets
WZ-18-223W	1234.03	1235.38	1.35	4B	Feldspar Porphyry	Purplish, grey, fine to medium grained Feldspar porphyry. Phenos are sub rounded, making up 10% of unit there is minor silification along contacts and pervasively throughout unit
WZ-18-223W	1235.38	1255.36	19.98	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. 1251- 1255 has an increase in interstitial biotite and interstitial sericite
WZ-18-223W	1255.36	1271.28	15.92	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. The selvages are about 10% of unit. Some bands of garnets

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	593.71	594.71	1	783501	0.008	8		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	594.71	595.71	1	783502	0.01	10		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	595.71	596.71	1	783503	0.007	7		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	596.71	597.71	1	783504	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	597.71	598.71	1	783505	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	598.71	599.58	0.87	783506	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	599.58	600.58	1	783507	0.006	6		
WZ-18-223W	Wolf Zone	Actlabs	A18-18825	06-Dec-18	02-Jan-19	Assay	651.21	652.21	1	783508	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	1041	1042	1	783509	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	OREAS 215			0	783510	3.52	3520		
WZ-18-223W	Wolf Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	1042	1043	1	783511	0.782	782		
WZ-18-223W	Wolf Zone	Actlabs	A18-19120	13-Dec-18	02-Jan-19	Assay	1043	1044	1	783512	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1094	1095	1	783513	0.094	94		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1095	1096	1	783514	0.026	26		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1096	1097	1	783515	0.008	8		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1108.19	1109.19	1	783516	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1109.19	1110.19	1	783517	0.009	9		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1110.19	1110.54	0.35	783518	0.013	13		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1110.54	1111.04	0.5	783519	0.005	5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Blank			0	783520	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1111.04	1112	0.96	783521	0.035	35		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1112	1112.5	0.5	783522	0.027	27		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1112.5	1113.5	1	783523	0.012	12		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1113.5	1114	0.5	783524	0.043	43		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1114	1115	1	783525	0.11	110		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1115	1116	1	783526	0.069	69		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1116	1116.72	0.72	783527	0.037	37		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1116.72	1117.49	0.77	783528	0.008	8		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1117.49	1118	0.51	783529	0.092	92		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	OREAS 210			0	783530	5.38	5380		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1118	1119	1	783531	0.058	58		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1119	1119.82	0.82	783532	0.088	88		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1119.82	1120.38	0.56	783533	0.032	32		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1120.38	1121	0.62	783534	0.016	16		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1121	1122.14	1.14	783535	0.018	18		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1122.14	1123.14	1	783536	0.006	6		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1123.14	1124	0.86	783537	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1124	1125	1	783538	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1125	1126	1	783539	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Blank			0	783540	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1126	1127	1	783541	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1127	1128	1	783542	0.006	6		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1128	1129	1	783543	0.015	15		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1129	1130	1	783544	0.007	7		
WZ-18-223W	Wolf Zone	Actlabs	A18-19490	19-Dec-18	21-Dec-18	Assay	1130	1131	1	783545	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	1261	1262	1	783546	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	1262	1263	1	783547	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	1263	1264	1	783548	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	Assay	1264	1265	1	783549	0.0025	< 5		
WZ-18-223W	Wolf Zone	Actlabs	A18-19513	20-Dec-18	31-Dec-18	OREAS 216			0	783550	6.43	6430		



Hole Number:

WZ-18-223W2

Drill Rig:

HC-150-17

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Dec-12-2018	Jan-20-2019	
Planned Coordinates		Azimuth:	50	Drill Contractor:	Forages Chibougamau Ltée		
Easting	644954						
Northing	5407840	Dip:	-77	Dates Logged:	Start Date:	End Date:	
Elevation(m)	411				Dec-12-2018	Jan-21-2019	
Final Pick up		Depth(m):	1176.00	Logger 1:	Jordan Keir-Sage		
Easting				Logger 2:	Andrew Wehrfritz		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)							
Casing				Assay Lab:	Actlabs		
Purpose of Hole	Infill drilling of the Wolf Zone	Dip Tests					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Main alteration zone intersected from 988.97m to 1000.92m alternating between 1ALT and 4ALT and approximately 1% sulphides. A weaker 1ALT alteration zone was also intersected from 877.88m to 878.93m.	21.0	48.1	-76.5	56893		55.7
		51.0	48.4	-76.2	56759		56
		81.0	49.0	-75.9	56703		56.6
		111.0	48.7	-76.1	56762		56.3
		141.0	47.5	-76.1	56843		55.1
		171.0	48.5	-75.5	56561		56.1
		201.0	48.0	-75.2	56469		55.6
		231.0	47.5	-74.6	55768		55.1
		261.0	46.6	-73.9	56796		54.2
		291.0	45.1	-73.7	56770		52.7
Comments	Andrew Started logging at 1060	321.0	44.7	-74.0	56507		52.3
		351.0	44.4	-73.9	56696		52
		381.0	45.0	-73.6	56869		52.6
		411.0	44.4	-72.8	56669		52
		441.0	44.3	-72.6	56706		51.9
		474.0	47.2	-69.7	56729		54.8
		504.0	47.0	-68.7	56531		54.6
		525.0	47.9	-61.9	56630		57.9
		534.0	52.1	-57.9	56762		59.7
		570.0	52.0	-56.6	56902		59.6
Azimuth corrected to 7.6 degrees west declination		600.0	84.6	-55.9	64173		92.2
		633.0	53.8	-55.6	56760		61.4
		663.0	54.5	-55.2	56784		62.1
		693.0	53.2	-53.3	56545		60.8
		723.0	54.1	-52.5	56795		61.7
		753.0	62.4	-51.9	55256		70
		783.0	55.2	-51.5	56745		62.8
		813.0	51.4	-50.7	56533		59
		843.0	54.7	-50.2	56611		62.3
		873.0	55.6	-49.0	56647		63.2
		903.0	57.8	-48.3	56571		65.4
		933.0	57.6	-47.7	56452		65.2
		963.0	58.5	-47.2	56493		66.1
		993.0	59.1	-46.8	56662		66.7
		1023.0	58.8	-46.1	56570		66.4
		1053.0	59.4	-45.6	56670		67
		1083.0	60.1	-45.1	56603		67.7
		1113.0	60.7	-44.6	56491		68.3
		1143.0	62.3	-44.1	57062		69.9

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-18-223W2	505.5	529.92	24.42	1B	Pillowed Flows	*** Previous hole wedged at 505.5m**** Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. Some 6B intrusions
WZ-18-223W2	529.92	546.48	16.56	6B	Gabbro	dark green mafic rock, fine to coarse grain sized with a massive texture. Unit is composed predominately of a mph/pyroxene ranging from fg to cg and a weak foliation intensity. Biotite interstitially throughout and minor amounts of feldspar.
WZ-18-223W2	546.48	554.78	8.3	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	554.78	561.1	6.32	1UT	Ultramafic Talc/Chlorite Altered	Dark grey, fine grained ultra mafics. weak foliation, pervasive chlorite with talc infilled fractures. Unit is magnetic.
WZ-18-223W2	561.1	563.6	2.5	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	563.6	570.12	6.52	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	570.12	575.19	5.07	1UT	Ultramafic Talc/Chlorite Altered	Black green, very fine grained., very weak foliation. Unit has pervasive very weak chlorite with talc filled fracture, strong magnetics
WZ-18-223W2	575.19	577.87	2.68	3D	Iron Formation	Dark-grey to dark greenish-grey to red-gray to dark purplish-grey, fine-grained, iron formation. Alternating mm-cm scale beds of chert, chlorite and minor garnet. Moderately magnetic. Minor massive mafic flow observed. 3% blebby sphalerite, 1% blebby chalcopyrite 15% stringer pyrrhotite
WZ-18-223W2	577.87	579.68	1.81	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	579.68	584.71	5.03	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	584.71	590.06	5.35	1UT	Ultramafic Talc/Chlorite Altered	Black green, very fine grained., very weak foliation. Unit has pervasive very weak chlorite with talc filled fracture, strong magnetics
WZ-18-223W2	590.06	591.14	1.08	3D	Iron Formation	Dark-grey to dark greenish-grey to red-gray to dark purplish-grey, fine-grained, iron formation. Alternating mm-cm scale beds of chert, chlorite and minor garnet. Moderately magnetic. Minor massive mafic flow observed. 3% blebby sphalerite, 1% blebby chalcopyrite 15% stringer pyrrhotite
WZ-18-223W2	591.14	595.54	4.4	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	595.54	603.87	8.33	1UT	Ultramafic Talc/Chlorite Altered	Black green, very fine grained., very weak foliation. Unit has pervasive very weak chlorite with talc filled fracture, strong magnetics
WZ-18-223W2	603.87	605.64	1.77	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	605.64	608.29	2.65	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	608.29	610.23	1.94	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	610.23	612.89	2.66	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	612.89	615.32	2.43	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	615.32	617.41	2.09	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	617.41	618.77	1.36	3D	Iron Formation	Dark-grey to dark greenish-grey to red-gray to dark purplish-grey, fine-grained, iron formation. Alternating mm-cm scale beds of chert, chlorite and minor garnet. Moderately magnetic. Minor massive mafic flow observed. 3% blebby sphalerite, 1% blebby chalcopyrite 15% stringer pyrrhotite
WZ-18-223W2	618.77	631.39	12.62	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	631.39	649.85	18.46	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.



WZ-18-223W2	649.85	652.35	2.5	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	652.35	655.73	3.38	1B	Pillowed Flows	green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	655.73	657.78	2.05	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	657.78	667.69	9.91	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. 6B intrusions
WZ-18-223W2	667.69	668.7	1.01	4E	Pegmatite	White, coarse grained pegmatite. Large grains of mica
WZ-18-223W2	668.7	698.34	29.64	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. 6B intrusions
WZ-18-223W2	698.34	700.38	2.04	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	700.38	711.38	11	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. 6B intrusions.
WZ-18-223W2	711.38	755.69	44.31	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a moderate foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Dark magnetite crystal are stretched throughout unit giving weak magnetics
WZ-18-223W2	755.69	756.79	1.1	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	756.79	773.48	16.69	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	773.48	792.24	18.76	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	792.24	819.87	27.63	7A	Diabase	Black grey, fine to medium grained diabase. No foliation, unit strongly magnetic. Coarse grain feldspar glomophyres
WZ-18-223W2	819.87	827.95	8.08	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	827.95	829.13	1.18	4E	Pegmatite	White, coarse grained pegmatite. Large grains of mica
WZ-18-223W2	829.13	842.11	12.98	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	842.11	845.58	3.47	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. Netty sericite
WZ-18-223W2	845.58	847.85	2.27	FZ	Fault Zone	Healed fault zone, small pieces of mafic breccia healed with sericite and feldspars, breccia clasts are 10cm in size
WZ-18-223W2	847.85	855.61	7.76	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages. Netty sericite
WZ-18-223W2	855.61	867.49	11.88	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	867.49	877.88	10.39	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	877.88	878.93	1.05	1ALT	Altered Mafic Volcanic	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	878.93	897.4	18.47	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	897.4	899.26	1.86	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	899.26	934.4	35.14	1A	Massive Flows	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Grain size transitions from fine to medium to fine to coarse after 910m. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.

WZ-18-223W2	934.4	950.61	16.21	5B	Granodiorite	White, fine to coarse grained granodiorite. No foliation. Patches of black biotite
WZ-18-223W2	950.61	972.75	22.14	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	972.75	979.91	7.16	4B	Feldspar Porphyry	Light purplish-grey, fine- to medium-grained, moderately sheared feldspar porphyry. Moderate pervasive silicification, patchy bleaching/albite with weak to moderate disseminated biotite alteration. 20-25% light-grey, plagioclase phenocrysts, moderately stretched/lineated.
WZ-18-223W2	979.91	988.97	9.06	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, trace epidote near pillow selvages.
WZ-18-223W2	988.97	993.2	4.23	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained altered mafic flows. Unit is banded and strongly foliated. 50% of in is banded with moderate purple/brown biotite alteration, netty sericite. sulfides are trace- 1% PY and trace stringer of PO
WZ-18-223W2	993.2	993.95	0.75	4ALT	Altered Feldspar Porphyry	Purplish grey, altered feldspar porphyry. Fine to medium gained. Strong foliation. Pervasive Biotite with netty sericite. Sulfides are trace to 1% disseminated PY
WZ-18-223W2	993.95	995.78	1.83	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained altered mafic flows. Unit is banded and strongly foliated. 50% of in is banded with moderate purple/brown biotite alteration, netty are trace- 1% PY and trace stringer of PO. 1 cm qtz stringer at 994.32 has possible galena
WZ-18-223W2	995.78	997.19	1.41	4ALT	Altered Feldspar Porphyry	Purplish grey, altered feldspar porphyry. Fine to medium gained. Strong foliation. Pervasive Biotite with netty sericite. Sulfides are trace to 1% disseminated PY
WZ-18-223W2	997.19	1000.92	3.73	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained altered mafic flows. Unit is banded and strongly foliated. 50% of in is banded with moderate purple/brown biotite alteration, netty are trace- 1% PY and trace stringer of PO
WZ-18-223W2	1000.92	1039.9	38.98	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Possible faulting from 1019-1020. 1020-1034 has erratic gabbro inclusions and well as some brecciated qtz veining. this section also contains erratic 1alt and 4 alt sections that are approx. 10-20cm in size. trace mineralization as a well
WZ-18-223W2	1039.9	1043.24	3.34	5B	Granodiorite	White, fine to coarse grained granodiorite. moderate foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 35% of unit
WZ-18-223W2	1043.24	1045.39	2.15	6A	Diorite	grey to dark-grey diorite, fine to coarse grained, moderate foliation, as grain size is stretched
WZ-18-223W2	1045.39	1054.67	9.28	5B	Granodiorite	White, fine to coarse grained granodiorite. moderate foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 35% of unit
WZ-18-223W2	1054.67	1058.29	3.62	6B	Gabbro	mg to cg, dark green mafic unit with a massive texture. Unit is composed predominately of cg mafics with finer grained mafics; notably biotite seen interstitially throughout. A small amount of fg interstitial plagioclase is also observed. Moderate foliation. Narrow sections of granodiorite are also occasionally observed.
WZ-18-223W2	1058.29	1071	12.71	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 35% of unit
WZ-18-223W2	1071	1113.45	42.45	6B	Gabbro	mg to cg, dark green mafic unit with a massive texture. Unit is composed predominately of cg mafics with finer grained mafics (notably biotite) seen interstitially throughout. A small amount of fg interstitial plagioclase is also observed. moderate foliation. The unit pops in and out of finer grained sections that appear to be massive mafic flows and make up approximately 25% of the unit overall.
WZ-18-223W2	1113.45	1118.42	4.97	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 10% of unit
WZ-18-223W2	1118.42	1124.33	5.91	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Some sections appear gabbroic. Wisps and stringers of white intrusive fracture infill granodiorite produce a brecciated texture in sections.
WZ-18-223W2	1124.33	1126.77	2.44	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 10% of unit
WZ-18-223W2	1126.77	1128.96	2.19	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, intermittent narrow epidote bands near pillow selvages.
WZ-18-223W2	1128.96	1131.14	2.18	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 10% of unit
WZ-18-223W2	1131.14	1135.76	4.62	1B	Pillowed Flows	Green, grey, fine grained Pillowed mafic flows. Weak foliation. 1-2% qtz carb stringers. Pervasive chlorite throughout unit, patchy interstitial biotite, intermittent narrow epidote bands near pillow selvages.

WZ-18-223W2	1135.76	1139.72	3.96	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 10% of unit
WZ-18-223W2	1139.72	1146	6.28	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially. Mineralized quartz vein from 1144.53 to 1144.64 containing up to 5% pyrite (minor po) Some sections appear gabbroic.
WZ-18-223W2	1146	1160.13	14.13	5B	Granodiorite	White, fine to coarse grained granodiorite. Weak foliation. Patches of black biotite. Unit also contain brecciated mafic clasts. Sub rounded to sub angular 4-20 cm in size 10% of unit
WZ-18-223W2	1160.13	1176	15.87	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a minor foliation intensity. Finer grained feldspar surrounding mafics in areas. Minor amount of biotite alteration interstitially.
WZ-18-223W2	1176	1176	0			EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	876.88	877.88	1	783551	0.019	19		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	877.88	878.35	0.47	783552	0.036	36		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	878.35	878.93	0.58	783553	0.033	33		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	878.93	879.93	1	783554	0.017	17		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	916	916.52	0.52	783555	0.0025	< 5		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	986.97	987.65	0.68	783556	0.094	94		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	987.65	987.97	0.32	783557	0.036	36		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	987.97	989	1.03	783558	0.283	283		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	989	990	1	783559	0.067	67		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Blank				783560	0.0025	< 5		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	990	991	1	783561	0.284	284		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	991	992	1	783562	0.069	69		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	992	992.6	0.6	783563	0.103	103		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	992.6	993.2	0.6	783564	2.99	2990		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	993.2	993.95	0.75	783565	0.177	177		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	993.95	995	1.05	783566	0.62	620		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	995	995.78	0.78	783567	0.282	282		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	995.78	996.78	1	783568	0.109	109		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	996.78	997.19	0.41	783569	0.606	606		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	OREAS 215				783570	3.45	3450		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	997.19	998	0.81	783571	0.16	160		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	998	999	1	783572	0.029	29		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	999	1000	1	783573	0.025	25		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1000	1000.92	0.92	783574	0.006	6		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1000.92	1001.92	1	783575	0.0025	< 5		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1001.92	1002.92	1	783576	0.0025	< 5		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1020	1021	1	783577	0.006	6		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1021	1022	1	783578	0.008	8		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1022	1023	1	783579	0.008	8		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	OREAS 210				783580	5.37	5370		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1023	1024	1	783581	0.006	6		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1024	1025	1	783582	0.012	12		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1025	1026	1	783583	0.056	56		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1026	1027	1	783584	0.01	10		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1027	1028	1	783585	0.009	9		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1028	1029	1	783586	0.009	9		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1029	1030	1	783587	0.02	20		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1030	1031	1	783588	0.007	7		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1031	1032	1	783589	0.011	11		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	OREAS 210			0	783590	5.4	5400		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1032	1033	1	783591	0.008	8		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01315	24-Jan-19	05-Feb-19	Assay	1033	1034	1	783592	0.005	5		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01316	24-Jan-19	11-Feb-19	Assay	1143.5	1144.4	0.9	785364	0.015	15		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01316	24-Jan-19	11-Feb-19	Assay	1144.4	1144.7	0.3	785365	0.507	507		
WZ-18-223W2	Wolf Zone	Actlabs	A19-01316	24-Jan-19	11-Feb-19	Assay	1144.7	1145.5	0.8	785366	0.029	29		



Hole Number:

WZ-19-60

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					8-Mar-2017	18-Apr-2019	
Planned Coordinates		Azimuth:	50	Drill Contractor:	Forages Chibougamau Ltée		
Easting	645057						
Northing	5407984	Dip:	-50	Dates Logged:	Start Date:	End Date:	
Elevation(m)	418				10-Mar-2017	18-Apr-2019	
Final Pick up		Depth(m):	1230.00	Logger 1:	Mike Roberts		
Easting	645056.58			Logger 2:	Jordan Keir-Sage		
Northing	5407990.71			Logger 3:			
Elevation(m)	411.67	Core Size:	NQ	Assay Lab:	Actlabs		
Casing				Dip Tests			
Purpose of Hole	Extend Middle Zone: shear zone hosted quartz veins and associated feldspar porphyry dykes.	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
		0.0	53.5	-51.3			61.1
		18.0	53.5	-51.3	57330		61.1
Results	No zone of interest was intersected in this hole. April 2019 hole was extended to test Downhole IP. Magnetic granodiorite, diabase and ultra mafics where intersected	48.0	53.4	-50.7	56522		61
		78.0	54.0	-50.2	56271		61.6
		108.0	54.4	-49.6	55971		62
		138.0	75.6	-49.1	54380	Az 75.6 cor	83.2
		168.0	54.2	-48.1	56251		61.8
		198.0	54.0	-47.3	56182		61.6
		228.0	53.7	-45.9	56146		61.3
		258.0	47.5	-43.9	56220	Az 47.5 cor	55.1
Comments	Hole was extended on April 8th 2019 to 1230m	288.0	54.0	-42.7	56035		61.6
		318.0	53.0	-41.8	56122		60.6
		348.0	50.8	-41.2	57303	Az 50.8 cor	58.4
		378.0	53.2	-39.7	56229		60.8
		408.0	52.7	-39.1	56296		60.3
		438.0	54.7	-38.4	56237		62.3
		468.0	54.4	-38.0	55824		62
		498.0	53.5	-37.3	55946		61.1
		528.0	54.1	-36.8	55961		61.7
		558.0	52.5	-36.5	55676		60.1
		576.0	53.1	-36.4	55552		60.7
		618.0	50.9	-36.4	56103		58.5
648.0	52.5	-36.3	56237		60.1		
678.0	51.9	-35.7	55998		59.5		
708.0	51.9	-35.5	56219		59.5		
738.0	52.7	-35.3	56220		60.3		
768.0	52.9	-35.0	56185		60.5		
798.0	52.5	-34.5	56121		60.1		
828.0	53.0	-34.0	56284		60.6		
858.0	53.5	-35.5	56143		61.1		
888.0	53.2	-33.1	56248		60.8		
918.0	52.3	-32.6	56368		59.9		
948.0	53.9	-32.0	56165		61.5		
981.0	55.3	-31.2	56065		62.9		
1011.0	55.3	-30.9	56205		62.9		
1038.0	55.9	-30.2	56252		63.5		
1068.0	52.9	-29.1	57239		60.5		
1098.0	57.0	-28.8	56806		64.6		
1128.0	60.9	-29.1	57008.0		68.5		
1158.0	58.1	-28.9	56385		65.7		
1188.0	57.4	-29.3	56247		65		
1218.0	41.1	-30.1	60813		48.7		

Azimuth corrected to 7.6 degrees west declination

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-17-60	0	5.4	5.4	OVB	Overburden	Casing to 6.00m.
WZ-17-60	5.4	8.29	2.89	4B	Feldspar Porphyry	Light grey with a slight purple tinge. Unit contains 1-2mm sub rounded feldspar phenocrysts in a weakly sheared dark purple glassy matrix. From 5.40m to 6.00 m Broken rubble of gabbro. From 6.46 to 6.66 Quartz vein flood with 3% pyrite.
WZ-17-60	8.29	16.4	8.11	1B	Pillowed Flows	Medium green and fine grained pillow flow weakly sheared with 1% quartz carbonate fracture filling and replacment along fractures and selvages. Well foliated. From 15.3 to 16.4 unit becomes more sheared and foliations dip down to 35 dca.
WZ-17-60	16.4	21.89	5.49	6B	Gabbro	Medium green and medium grained. Unit has mottled appearance. Mostly massive with weak foliation. Possible 1z gabbroic with gradational contacts.
WZ-17-60	21.89	40.9	19.01	1B	Pillowed Flows	Medium green and fine grained pillow flow weakly sheared with 1% quartz carbonate fracture filling and replacment along fractures and selvages. Well foliated.
WZ-17-60	40.9	46.35	5.45	4ALT	Altered Feldspar Porphyry	Grey/light purple 1-3mm subrounded stretched feldspar phenocrysts in a dark purple glassy matrix. Moderately sheared healed fault zone dyke swarm Unit is well mineralized with 1-2% fine grained disseminated to blebby pyrite . Unit contains some remnant pillows and is well silicified.
WZ-17-60	46.35	47.7	1.35	1B	Pillowed Flows	Medium green fine grained flow that is surrounded by FP dykes and has a healed fault appearance of numerous hair line healed fractures in multiple orientations.
WZ-17-60	47.7	49.99	2.29	4B	Feldspar Porphyry	Grey/light purple 1-3mm subrounded stretched feldspar phenocrysts in a dark purple glassy matrix. Weakly sheared not as swarm like Unit contains some remnant pillows interbeds.
WZ-17-60	49.99	50.87	0.88	6B	Gabbro	Medium green and medium to coarse grained massive gabbro . From 50.12 to 50.62 Unit is strongly fractured faulted with 1-2 cm ground blocky core Numerous fractures but predominately at 125 dca.
WZ-17-60	50.87	51.88	1.01	4B	Feldspar Porphyry	Grey/light purple 1-3mm subrounded stretched feldspar phenocrysts in a dark purple glassy matrix. Weakly sheared not as swarm like but should be modelled as such from 40.90m to 54.05m. Unit contains some remnant gabbro interbeds.
WZ-17-60	51.88	54.05	2.17	6B	Gabbro	Medium green and medium to coarse grained massive gabbro . From 53.95 to 54.00 Unit is strongly fractured faulted with 1-2 cm ground blocky core Numerous fractures but predominately at 125 dca.
WZ-17-60	54.05	58.18	4.13	1B	Pillowed Flows	Medium green and fine grained pillow flow weakly sheared with 1% quartz carbonate fracture filling and replacment along fractures and selvages. Well foliated. From 54.05 to 56m unit is altered with moderate epidote and biotite.
WZ-17-60	58.18	60.37	2.19	6B	Gabbro	Medium to dark green massive gabbro. Medium grained. From 58.86 to 59.29 Pillow flow From 59.63 to 59.70 Pillow flow.
WZ-17-60	60.37	95.26	34.89	1B	Pillowed Flows	Medium green and fine grained pillow flow weakly sheared with 1% quartz carbonate fracture filling and replacment along fractures and selvages. Well foliated. Local minor dykes of gabbro and porphyry.
WZ-17-60	95.26	115	19.74	6B	Gabbro	Medium to dark green. Medium grained massive gabro unit. From 103 to 104.6 fault zone with broken blocky core at 170 dca. From 100.17 to 100.31 sheared mafic. From 111.15 to 112.03 sheared gabbro
WZ-17-60	115	117.52	2.52	4B	Feldspar Porphyry	Light grey with a slight purple tinge. Unit contains 1-2mm subrounded feldspar phenocrysts in a weakly sheared dark purple glassy matrix. 1% disseminated py throughout.
WZ-17-60	117.52	127.35	9.83	1B	Pillowed Flows	Medium green. Fine grained pillow flow. From 120.21 to 120.49 4b dyke.
WZ-17-60	127.35	133.36	6.01	7A	Diabase	Dark grey medium grained Very hard with very fine grained magnetite. Unit is sheared (can you shear a diabase?) at 35 dca. Equigranular texture. From 132.70 to 133.36 folded argillite
WZ-17-60	133.36	134.67	1.31	6B	Gabbro	Dark green sheared gabbro mafic intrusise.
WZ-17-60	134.67	135.92	1.25	1B	Pillowed Flows	Medium green fine grained pillow flow
WZ-17-60	135.92	137.6	1.68	6B	Gabbro	Dark green medium grained massive
WZ-17-60	137.6	140.62	3.02	7A	Diabase	Light green olivine diabase From 140.40 to 140.62 Pillow flow
WZ-17-60	140.62	141.86	1.24	3D	Iron Formation	From 140.62 to 141.20 4B Purple tinge dyke From 141.20 to 141.86 Dark grey laminated cherty and magnetitic beds of iron formation
WZ-17-60	141.86	145.16	3.3	6B	Gabbro	Dark green medium grained massive
WZ-17-60	145.16	147.59	2.43	1UT	Ultramafic Talc/Chlorite Altered	Light green pillow flow altered with talc chlorite. Soft but not really ultramafic
WZ-17-60	147.59	156.12	8.53	1B	Pillowed Flows	Medium green. Fine grained pillow flow. From 155.06 to 155.53 5B dyke
WZ-17-60	156.12	158.75	2.63	4B	Feldspar Porphyry	Grey with dark purple tinge. 1-3mm sub rounded feldspar phenocrysts very weakly sheared in a purple glassy matrix. 1% fine grained disseminated py throughout. From 156.12 to 156.22 Well mineralized chill margin with 10% py From 157.84 to 157.95 Mafic dyke. From 158.66 to 158.75 Well mineralized chill margin with 5% py stringers
WZ-17-60	158.75	163.23	4.48	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate.
WZ-17-60	163.23	164.25	1.02	3D	Iron Formation	From 163.27 to 163.74 4B From 163.23 to 163.27 QV From 163.51 to 163.62 Qv 5% po. From 163.74 to 164.25 Iron formation. Cherty well laminated beds with 2% py.

WZ-17-60	164.25	182.69	18.44	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate.
WZ-17-60	182.69	183.76	1.07	4B	Feldspar Porphyry	Grey with dark purple tinge. 1-3mm sub rounded feldspar phenocrysts very weakly sheared in a purple glassy matrix.
WZ-17-60	183.76	202.05	18.29	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate. Unit has mottled appearance with weak epidote and biotite alteration in a weak shear pattern. From 183.98 to 184.36 4B with only 1% phenocrysts 1mm in size. From 187.15 to 187.31 4B
WZ-17-60	202.05	204.97	2.92	6B	Gabbro	Dark green medium grained massive
WZ-17-60	204.97	238.94	33.97	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate. Unit has mottled appearance with weak epidote and biotite alteration in a weak shear pattern. From 233.45 to 233.60 4B . From 233.72 to 233.87 4B. From 236.72 to 237.48 4B
WZ-17-60	238.94	240.1	1.16	6F	Mafic Dyke	Very dark green . Fine to medium grained and very hard. Non magnetic but the same colour as the diabase below but finer grained.
WZ-17-60	240.1	263.53	23.43	7A	Diabase	Very dark green and medium grained. Strongly magnetic with local up to 1% glomeroporphyritic plagioclase. Massive. From 256.68 to 257.25 Unit is extremely broken into 1 cm pieces at 133 dca.
WZ-17-60	263.53	265.21	1.68	4D	Felsite	Medium grey with a green tinge. Fine grained mostly silica and a dark amphibole. This unit is likely an intermediate tuff. Very hard.
WZ-17-60	265.21	266.41	1.2	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate.
WZ-17-60	266.41	307.04	40.63	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro that has been weakly to moderately sheared. Weak biotite alteration with local weak chlorite alteration. Unit contains up to 1% fine grained pyrrhotite along shear fabric and very fine grained euhedral magnetite crystals replacements.
WZ-17-60	307.04	320.03	12.99	5B	Granodiorite	White with dark green salt and pepper. Massive and very hard.
WZ-17-60	320.03	322.91	2.88	1B	Pillowed Flows	Very dark green with brown patches of intense biotite alteration. Unit is moderately hard to almost soft with moderate chlorite alteration as well. From 322.91 to 323.33 Granodiorite dyke.
WZ-17-60	322.91	410.92	88.01	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate. Typical . From 402.00m to 402.50m Unit is bleached healed fault with numerous crackle fracture filling and silicified. From 410.5 to 410.92 Unit is bleached and epidotized to lower contact.
WZ-17-60	410.92	422.2	11.28	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro that has been weakly to moderately sheared. Weak biotite alteration with local weak chlorite alteration. Unit contains trace fine grained pyrrhotite along shear fabric and very fine grained euhedral magnetite crystals replacements.
WZ-17-60	422.2	423.86	1.66	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 1% quartz carbonate fracture filling carbonate. Typical .
WZ-17-60	423.86	429.1	5.24	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro that has been weakly to moderately sheared. Weak biotite alteration with local weak chlorite alteration. Unit contains trace fine grained pyrrhotite along shear fabric and very fine grained euhedral magnetite crystals replacements.
WZ-17-60	429.1	431.02	1.92	1B	Pillowed Flows	Medium to dark green . Fine grained flow with 10% quartz & quartz carbonate carbonate boudins and up to 1% fine grained po and trace blebs cpy.
WZ-17-60	431.02	458.35	27.33	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro that has been weakly to moderately sheared. Weak biotite alteration with local weak chlorite alteration. Unit contains trace fine grained pyrrhotite along shear fabric and very fine grained euhedral magnetite crystals replacements.
WZ-17-60	458.35	479.38	21.03	5B	Granodiorite	Migmatic Granodiorite/gabbro mix. White salt and pepper granodiorite intruding into gabbro unit with 50% gabbro fragments from 1cm sharp gabbro clasts to larger 1 metre portions. Unit looks locally brecciated. Interfingering of two large intrusives. Gabbro has occasional moderate to strong chlorite alteration both lithologies have patchy biotite.
WZ-17-60	479.38	482.49	3.11	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro with local weak biotite alteration with local weak chlorite alteration.
WZ-17-60	482.49	491	8.51	5B	Granodiorite	Migmatic Granodiorite/gabbro mix. White salt and pepper granodiorite intruding into gabbro unit with 50% gabbro fragments from 1cm sharp gabbro clasts to larger 1 metre portions. Unit looks locally brecciated. Interfingering of two large intrusives. Gabbro has occasional moderate to strong chlorite alteration both lithologies have patchy biotite.
WZ-17-60	491	494.9	3.9	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro with local weak biotite alteration with local weak chlorite alteration.
WZ-17-60	494.9	497.95	3.05	5B	Granodiorite	White with dark green salt and pepper. Massive and very hard.
WZ-17-60	497.95	521.07	23.12	6B	Gabbro	Migmatic Gabbro unit dark green and massive with 50% mafic intrusives cross cutting and granulated into the gabbro. Unit has moderate to strong chlorite and biotite alteration.
WZ-17-60	521.07	522.13	1.06	5B	Granodiorite	Migmatic Granodiorite/gabbro mix. White salt and pepper granodiorite intruding into gabbro unit with 50% gabbro fragments from 1 to 10cm sharp gabbro clasts. Interfingering of two large intrusives. Gabbro has occasional moderate to strong chlorite alteration both lithologies have patchy biotite.

WZ-17-60	522.13	553.27	31.14	6B	Gabbro	Light to dark green mottled appearance. Massive gabbro with local weak biotite alteration with local weak chlorite alteration. As Unit progresses downhole it becomes much coarser grained to a true gabbro. From 536.60 to 537.29 Granodiorite Dyke. From 537.29 to 540 Unit contains a significant amount of very fine grained magnetite replacement crystals and becomes dark green with chlorite. From 540 to 553.27 Coarse grained with some orthoclase.
WZ-17-60	553.27	567.99	14.72	5B	Granodiorite	White with dark green salt and pepper. Massive and very hard.
WZ-17-60	567.99	592.14	24.15	6B	Gabbro	***HOLE EXTENSION AT 576*** Dark green mottled appearance. Massive gabbro with moderate to locally strong biotite alteration with local weak to moderate chlorite alteration. From 567.99 to 571 intense biotite alteration with very fine grained magnetite replacement crystals. Unit contains numerous migmatic granodiorite fragments up to 10cm in size.
WZ-17-60	592.14	593.32	1.18	1UT	Ultramafic Talc/Chlorite Altered	Fine grained, green/black/grey ultramafics.
WZ-17-60	593.32	629.5	36.18	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	629.5	633.25	3.75	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification.
WZ-17-60	633.25	639.21	5.96	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. Unit is also blocky with minor gouge
WZ-17-60	639.21	640.28	1.07	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification. Unit carries 25% angular mafic clasts, giving a breccia appearance. This also includes rounded ultramafic inclusion
WZ-17-60	640.28	641.83	1.55	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	641.83	653.51	11.68	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification. Unit carries 25% angular mafic clasts, giving a breccia appearance. This also includes rounded ultramafic inclusion
WZ-17-60	653.51	655.51	2	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. Unit is also blocky with minor gouge
WZ-17-60	655.51	659.71	4.2	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification. Unit carries 25% angular mafic clasts, giving a breccia appearance. This also includes rounded ultramafic inclusion
WZ-17-60	659.71	663.88	4.17	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	663.88	672.54	8.66	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. Unit is also blocky with minor gouge
WZ-17-60	672.54	679.41	6.87	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	679.41	699.34	19.93	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification.
WZ-17-60	699.34	703.84	4.5	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	703.84	705.14	1.3	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	705.14	710.1	4.96	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	710.1	727.2	17.1	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	727.2	733.43	6.23	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisification.
WZ-17-60	733.43	736.2	2.77	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration. Small 5B intrusions
WZ-17-60	736.2	747.61	11.41	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.



WZ-17-60	747.61	762.29	14.68	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall moderate kspar alteration/ weak slisficafation.
WZ-17-60	762.29	764.38	2.09	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	764.38	768.45	4.07	4B	Feldspar Porphyry	fine to medium grained, black feldspar porphyry
WZ-17-60	768.45	775.54	7.09	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisficafation.
WZ-17-60	775.54	779.51	3.97	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	779.51	780.6	1.09	4B	Feldspar Porphyry	Fine to medium grained, grey purple feldspar porphyry. Felsic groundmass with pervasive purple biotite, and white feldspar Porphyrys.
WZ-17-60	780.6	781.66	1.06	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	781.66	784.53	2.87	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisficafation.
WZ-17-60	784.53	795.88	11.35	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	795.88	799.39	3.51	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Overall weak kspar alteration/ slisficafation.
WZ-17-60	799.39	803.86	4.47	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	803.86	805.52	1.66	4B	Feldspar Porphyry	Fine to medium grained, grey purple feldspar porphyry. Felsic groundmass with pervasive purple biotite, and white feldspar Porphyrys.
WZ-17-60	805.52	810.33	4.81	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	810.33	815.02	4.69	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	815.02	856.92	41.9	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	856.92	858.75	1.83	4B	Feldspar Porphyry	Fine to medium grained, grey purple feldspar porphyry. Felsic groundmass with pervasive purple biotite, and white feldspar Porphyrys.
WZ-17-60	858.75	865.25	6.5	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	865.25	867.17	1.92	4B	Feldspar Porphyry	Fine to medium grained, grey purple feldspar porphyry. Felsic groundmass with pervasive purple biotite, and white feldspar Porphyrys.
WZ-17-60	867.17	879.1	11.93	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote. core is blocky
WZ-17-60	879.1	881.15	2.05		Lost Core	
WZ-17-60	881.15	885	3.85	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	885	890.15	5.15	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	890.15	891.63	1.48	4B	Feldspar Porphyry	Fine to medium grained, grey purple feldspar porphyry. Felsic groundmass with pervasive purple biotite, and white feldspar Porphyrys.
WZ-17-60	891.63	923.13	31.5	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.

WZ-17-60	923.13	938.91	15.78	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	938.91	973.32	34.41	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote.
WZ-17-60	973.32	979.65	6.33	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	979.65	1003.85	24.2	1B	Pillowed Flows	Fine grained, grey green pillowed mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. thin pillow selvages surrounded by calcite and very weak epidote. s strong shearing from 989 - 992
WZ-17-60	1003.85	1076.23	72.38	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	1076.23	1114.59	38.36	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration.
WZ-17-60	1114.59	1116.55	1.96	1UT	Ultramafic Talc/Chlorite Altered	Fine grained, black grey ultramafic. Unit has strong magnetics and is blocky. Traces disseminated pyrite
WZ-17-60	1116.55	1118.24	1.69	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers.
WZ-17-60	1118.24	1122.73	4.49	1UT	Ultramafic Talc/Chlorite Altered	Fine grained, black grey ultramafic. Unit has strong magnetics and is blocky. Traces disseminated pyrite
WZ-17-60	1122.73	1133.7	10.97	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. Unit has small granitic intrusions running throughout unit, 1-5 cm in size perpendicular to core axis
WZ-17-60	1133.7	1141.23	7.53	7A	Diabase	fine to medium grained, black grey diabase. Strong magnetics. Coarse grained feldspar glomophyeres
WZ-17-60	1141.23	1146.27	5.04	1A	Massive Flows	Fine to medium grained, grey green massive mafic flow. Mafic minerals are predominate surrounding feldspars. Pervasive chlorite alteration, with interstitial black biotite. Some brown banded biotite. Wispy qtz stringers. Unit has small granitic intrusions running throughout unit, 1-5 cm in size perpendicular to core axis
WZ-17-60	1146.27	1170.6	24.33	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. From top contact to 1162, unit is intruded by small cm sized granitic dykes. these may carry the surrounding sericite and epidote alteration visible around the contacts. @ approx. 1162 the unit has moderate magnetics indicating magnetite in the core. unit is slightly sheared
WZ-17-60	1170.6	1172.64	2.04	4B	Feldspar Porphyry	fine to medium grained black feldspar porphyry. Unit is lacking the purple hues normally seen in feldspar Porphyrys, and may have some magnetite due to weak magnetism
WZ-17-60	1172.64	1198.1	25.46	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Unit is moderate magnetic. Unit is slightly sheared
WZ-17-60	1198.1	1200	1.9	4B	Feldspar Porphyry	fine to medium grained black feldspar porphyry. Unit is lacking the purple hues normally seen in feldspar Porphyrys, and may have some magnetite due to weak magnetism
WZ-17-60	1200	1223.43	23.43	5B	Granodiorite	fine to coarse grained, white pink granodiorite, mainly felsic groundmass with black interstitial biotite. Unit is moderate magnetic. Unit is slightly sheared
WZ-17-60	1223.43	1230	6.57	4B	Feldspar Porphyry	fine to medium grained black feldspar porphyry. Unit is lacking the purple hues normally seen in feldspar Porphyrys, and may have some magnetite due to weak magnetism, minor intrusions from the above 5b unit
WZ-17-60	1230	1230				EOH

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-17-60	Middle Zone	Actlabs		Assay	5.4	6.46	1.06	1376792	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	6.46	7	0.54	1376793	0.008	8		
WZ-17-60	Middle Zone	Actlabs		Assay	7	8.29	1.29	1376794	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	8.29	9	0.71	1376795	0.005	5		
WZ-17-60	Middle Zone	Actlabs		Assay	9	10	1	1376796	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	39	40	1	1376797	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	40	40.9	0.9	1376798	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	40.9	42	1.1	1376799	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Blank			0	1376800	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	42	43	1	1376801	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	43	44	1	1376802	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	44	44.98	0.98	1376803	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	44.98	45.9	0.92	1376804	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	45.9	46.35	0.45	1376805	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	46.35	47	0.65	1376806	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	47	47.7	0.7	1376807	0.01	10		
WZ-17-60	Middle Zone	Actlabs		Assay	47.7	49	1.3	1376808	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	49	49.99	0.99	1376809	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		OREAS 215			0	1376810	3.64	3490	3.64	
WZ-17-60	Middle Zone	Actlabs		Assay	49.99	50.87	0.88	1376811	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	50.87	51.88	1.01	1376812	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	51.88	53	1.12	1376813	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	53	54.05	1.05	1376814	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	54.05	55	0.95	1376815	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	55	56	1	1376816	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	113	114	1	1376817	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	114	115	1	1376818	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	115	116	1	1376819	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Blank			0	1376820	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	116	117	1	1376821	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	117	117.52	0.52	1376822	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	117.52	118.52	1	1376823	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	118.52	119.52	1	1376824	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	153	154	1	1376825	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	154	155.06	1.06	1376826	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	155.06	155.53	0.47	1376827	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	155.53	156.12	0.59	1376828	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	156.12	157	0.88	1376829	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		OREAS 210				1376830	5.4	> 5000	5.4	
WZ-17-60	Middle Zone	Actlabs		Assay	157	158	1	1376831	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	158	158.75	0.75	1376832	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	158.75	159.75	1	1376833	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	159.75	160.75	1	1376834	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	160.75	161.66	0.91	1376835	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	161.66	162.75	1.09	1376836	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	162.75	163.23	0.48	1376837	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	163.23	163.74	0.51	1376838	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	163.74	164.25	0.51	1376839	0.006	6		
WZ-17-60	Middle Zone	Actlabs		Blank				1376840	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	164.25	165	0.75	1376841	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	165	166	1	1376842	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	427	428	1	1376843	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	428	429.1	1.1	1376844	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	429.1	430	0.9	1376845	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	430	431.02	1.02	1376846	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	431.02	432	0.98	1376847	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Assay	432	432.97	0.97	1376848	0.0025	< 5		
WZ-17-60	Middle Zone	Actlabs		Geochem	321.49	321.87	0.38	265822				
WZ-17-60	Middle Zone	Actlabs		Geochem	325.23	325.73	0.5	265823				
WZ-17-60	Middle Zone	Actlabs		Geochem	333.5	334	0.5	265824				
WZ-17-60	Middle Zone	Actlabs		Geochem	567	567.5	0.5	265825				
WZ-17-60	Middle Zone	Actlabs		Geochem	573	573.5	0.5	265826				
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1117.24	1118.24	1	784182		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1118.24	1119.24	1	784183		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1119.24	1120.24	1	784184		< 5		

WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1120.24	1121.24	1	784185		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1121.24	1122.24	1	784186		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1214.36	1215.36	1	784187		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1215.36	1215.94	0.58	784188		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1215.94	1216.94	1	784189		< 5		
WZ-19-60	Middle Zone	Actlabs	A19-05885	OREAS 216				784190		4980		
WZ-19-60	Middle Zone	Actlabs	A19-05885	Assay	1216.94	1217.94	1	784191		< 5		



Hole Number:

WZ-19-197W3

Drill Rig:

HC-150-19

Claim Number:

Location		Drill Hole Orientation		Dates Drilled:	Start Date:	End Date:	
Surface					Jan 21 2019	Jan 31 2019	
<u>Planned Coordinates</u>		Azimuth:	30	Drill Contractor:	Forages Chibougamau Ltée		
Easting	645093						
Northing	5407835	Dip:	-82	Dates Logged:	Start Date:	End Date:	
Elevation(m)	415.19				Jan 21 2019	Jan 31 2019	
<u>Final Pick up</u>		Depth(m):	1066.00	Logger 1:	Andrew Wehrfritz		
Easting				Logger 2:	Jordan Keir-Sage		
Northing		Core Size:	NQ	Logger 3:			
Elevation(m)							
Casing				Assay Lab:	Actlabs		
Purpose of Hole	Infill Drilling of Middle zone to bring zone from inferred to indicated mineral confidence.	<b>Dip Tests</b>					
		Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.
Results	Zone intereseected bewteen 950.43 and 960.00. 12 specs of VG seen in zone	0.0	34.6	-82.5	0	Planned	42.2
		20.0	34.6	-82.5	5672		42.2
		51.0	31.4	-82.6	5640	6m stab 1	39
		84.0	32.2	-82.6	5636		39.8
		114.0	30.4	-82.3	5624	at 114 6m	38
		144.0	36.8	-81.1	5602		44.4
		177.0	32.9	-80.7	5607		40.5
		207.0	31.8	-80.5	5601		39.4
		240.0	35.4	-81.1	5600		43
		Comments	Andrew logged until 1010m	270.0	37.3	-80.7	5591
300.0	32.3			-80.4	5603	at 303 6" s	39.9
330.0	33.6			-79.5	5592		41.2
360.0	38.0			-79.4	5598		45.6
393.0	38.4			-79.8	5613		46
414.0	36.9			-76.1	57501		44.5
447.0	42.9			-68.5	56998		50.5
477.0	39.7			-66.4	56998		47.3
507.0	42.8			-66.6	56582		50.4
537.0	45.0			-66.1	56317		52.6
Azimuth corrected to 7.6 degrees west declination		570.0	44.6	-65.6	56483		52.2
		600.0	46.0	-65.0	56411		53.6
		630.0	42.5	-64.1	58956		50.1
		660.0	47.6	-63.1	56171		55.2
		693.0	46.6	-62.6	56571		54.2
		723.0	48.0	-62.6	57004		55.6
		753.0	47.7	-62.3	56677		55.3
		786.0	49.3	-61.6	56856		56.9
		819.0	49.3	-60.6	56625		56.9
		849.0	49.7	-60.1	56360		57.3
879.0	49.5	-59.9	56362		57.1		
909.0	49.3	-59.6	56425		56.9		
939.0	54.2	-58.0	56749		61.8		
969.0	52.3	-57.5	56748		59.9		
999.0	52.1	-57.6	56456		59.7		
1029.0	51.8	-57.5	55827		59.4		
1065.0	56.1	-57.1	57617		63.7		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-19-197W3	0	394.42	394.42			Previously Drilled in WZ-18-197
WZ-19-197W3	394.42	424.83	30.41	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of quartz wisps, veinlets and stringers throughout. Gradational lower contact.
WZ-19-197W3	424.83	434.2	9.37	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite and quartz veinlets, wisps and stringers. White mg granite unit partially cross cuts the unit from 433.9 to 434.2; contact runs parallel tca.
WZ-19-197W3	434.2	436.36	2.16	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	436.36	442.88	6.52	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Iron formation sections from 438.3 to 438.81, 439.55 to 439.65, 439.87 to 440.15. Iron formation sections contain up to 4% blebby sulphides in areas of predominately po. blebby to semi massive po at 439.3; no significant sulphides anywhere else in the unit.
WZ-19-197W3	442.88	459.13	16.25	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Gradational lower contact. Moderate to minor magnetic properties in sections. Higher magnetics and lighter grey section from 441.72 to 442.1; potentially ultramafics.
WZ-19-197W3	459.13	461.86	2.73	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-19-197W3	461.86	474.2	12.34	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Gradational lower contact.
WZ-19-197W3	474.2	475.2	1	3D	Iron Formation	fg, light grey to dark green banded unit. Unit alternates between light grey felsic bands and dark green to black mafic bands. Some narrow bands of magnetite. Up to 2% sulphide stringers overall; cpy and py.
WZ-19-197W3	475.2	476.6	1.4	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Gradational lower contact. Moderate to minor magnetic properties in sections.
WZ-19-197W3	476.6	479.1	2.5	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-19-197W3	479.1	482.19	3.09	1UT	Ultramafic Talc/Chlorite Altered	fg, light grey mafic unit with a moderate amounts of talc alteration and magnetic properties. Darker banding observed in some sections with higher magnetic properties.
WZ-19-197W3	482.19	486.06	3.87	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Minor amounts of po and molybdenite is observed at the top of the unit (<1%). Narrow section of iron formation from 482.5 to 482.6m with minor amounts of sulphides wisps.
WZ-19-197W3	486.06	487.87	1.81	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	487.87	495.46	7.59	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a small portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially.
WZ-19-197W3	495.46	500.05	4.59	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins. Quartz vein from 498.22 to 498.6 containing approximately .5% blebby pyrite throughout.

WZ-19-197W3	500.05	524.43	24.38	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Several Iron formation subunits; one in particular from 502.27 to 502.76 contains up to 5% sulphides; some of which associated with a quartz veinlet at 502.37m. Narrow section of 4b from 512.55m to 512.74m
WZ-19-197W3	524.43	533.28	8.85	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	533.28	548.38	15.1	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Quartz vein from 539.85 to 539.95 containing up to 1% blebby sulphides predominately cpy.
WZ-19-197W3	548.38	550.19	1.81	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	550.19	568.22	18.03	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Narrow section of granodiorite from 557.7 to 557.9. Gradational lower contact.
WZ-19-197W3	568.22	577.7	9.48	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially.
WZ-19-197W3	577.7	605.62	27.92	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.
WZ-19-197W3	605.62	607.5	1.88	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	607.5	609.86	2.36	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.
WZ-19-197W3	609.86	610.9	1.04	4B	Feldspar Porphyry	fg to mg, light grey felsic/intermediate unit with a purple hue. Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well as some sericite. Millimetric sized moderately strained and elongated feldspar phenocrysts are scattered throughout and make up approx. 10% of the unit. Occasional Smokey quartz stringers, veinlets and veins.
WZ-19-197W3	610.9	617.5	6.6	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. quartz flooding from 612.27 to 612.36 associated with up to 4% sulphide stringers; potentially a small section of iron formation.
WZ-19-197W3	617.5	654.23	36.73	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout. Narrow section of granodiorite at 631m.
WZ-19-197W3	654.23	692	37.77	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a notable portion of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially.
WZ-19-197W3	692	715.16	23.16	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Narrow banded silica flooded sections with up to 3% sulfides; potentially narrow sections of iron formation.
WZ-19-197W3	715.16	736.74	21.58	7A	Diabase	fg to mg, grey mafic unit with moderate to strong magnetic properties. Millimetric to centimetric white feldspar glomerophyes scattered throughout and make up approximately 5 % of the unit. Higher frequency of fractures in this unit compared to surrounding rock; approximately 2-3 per meter. Magnetic properties weaken with depth.

WZ-19-197W3	736.74	755.16	18.42	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers.
WZ-19-197W3	755.16	775.87	20.71	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout. Narrow section of pegmatite at 763.4 to 763.55.
WZ-19-197W3	775.87	794.26	18.39	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Narrow section of pegmatite at 777.6m.
WZ-19-197W3	794.26	810.9	16.64	5B	Granodiorite	fg to mg, light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with a less component of quartz. Black biotite speckling with observed throughout which is weakly foliation. Frequent granite/pegmatite subunit intersect the unit from 794m to 804m.
WZ-19-197W3	810.9	836.6	25.7	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Minor amounts of disseminated and banded biotite alteration throughout. Increased biotite alteration and banding from 822m to 824m associated in minor amounts of quartz flooding and sulphides (up to 1% po and py)
WZ-19-197W3	836.6	867.93	31.33	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor amount of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. The unit does appear slightly gabbroic in areas; gradational lower contact. Narrow sections of banded quartz flooding with a slight purple hue (potentially iron formations) with up to 4% sulphides throughout; 862.28 to 862.43, 865.05 to 865.18, 865.23 to 865.48. Quartz veinlet at 857.3 with blebby cpy and po. (approximately 10% of the veinlet).
WZ-19-197W3	867.93	889.73	21.8	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout. Narrow section of pegmatite from 869.2 to 869.3.
WZ-19-197W3	889.73	913.47	23.74	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor amount of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. Series of fractures from 908.3 to 908.5m.
WZ-19-197W3	913.47	915.69	2.22	7A	Diabase	fg to mg, grey mafic unit with moderate to strong magnetic properties. Millimetric to centimetric white feldspar glomerophyres scattered throughout and make up approximately 5% of the unit.
WZ-19-197W3	915.69	928	12.31	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor amount of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. The unit does appear slightly gabbroic in areas; gradational lower contact.
WZ-19-197W3	928	935.6	7.6	6B	Gabbro	fg to cg, dark grey to dark green mafic unit with a massive texture. Unit is composed predominately of mg to cg mafics with medium to fg mafics interstitially throughout. Minor amounts of fg plagioclase interstitially as well. Minor amounts of calcite/quartz wisps throughout.
WZ-19-197W3	935.6	941.22	5.62	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Minor amounts of disseminated and banded biotite alteration throughout. Increased biotite alteration and banding from 822m to 824m associated in minor amounts of quartz flooding and sulphides (up to 1% po and py)
WZ-19-197W3	941.22	950.43	9.21	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor amount of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially. The unit does appear slightly gabbroic in areas; gradational lower contact.
WZ-19-197W3	950.43	951	0.57	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. High degree of silica flooding associated with up to 5% disseminated and blebby sulphides. Sulphides are predominately py and po however 2 large blebs of arsenopyrite are also visible.
WZ-19-197W3	951	951.83	0.83	QV	Quartz Vein	Cg, Smokey grey quartz vein with up to 5% blebby and disseminated sulphides (py and po).



WZ-19-197W3	951.83	953.73	1.9	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. High degree of silica flooding associated with up to 5% disseminated and blebby po and py. 12 specs of vg at 952.9 within a Smokey quartz flooded section.
WZ-19-197W3	953.73	954	0.27	QV	Quartz Vein	Cg, Smokey grey quartz vein with up to 1% blebby and disseminated sulphides (py and po).
WZ-19-197W3	954	955.73	1.73	4ALT	Altered Feldspar Porphyry	fg grey unit with a slight purple hue; high degree of silicification. Fg silica based ground mass with highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures. Small amounts of muscovite disseminated throughout. Up to 1% disseminated sulphides
WZ-19-197W3	955.73	958.04	2.31	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding. low to moderate degree of silica flooding associated with <1% disseminated sulphides.
WZ-19-197W3	958.04	958.74	0.7	4ALT	Altered Feldspar Porphyry	fg grey unit with a slight purple hue; high degree of silicification. Fg silica based ground mass with highly strained and elongated feldspar phenocrysts. Light green alteration haloes surround some healed fractures.
WZ-19-197W3	958.74	960	1.26	1ALT	Altered Mafic Volcanic	fg to mg dark green, brown and grey mafic unit with a banded texture and high foliation. Mafics accompanied by light green alteration bands composed of chlorite/epidote and a moderate to high degree of thin biotite banding.
WZ-19-197W3	960	978	18	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of
WZ-19-197W3	978	984	6	1B	Pillowed Flows	fg, dark grey to dark green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Moderate to minor frequency of calcite veinlets, wisps and stringers. Minor amounts of disseminated and banded biotite alteration throughout.
WZ-19-197W3	984	1017.11	33.11	1A	Massive Flows	fg to mg, dark grey to dark green mafic unit. Unit is composed predominately of fg mafics with a minor amount of fg plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially in sections; high degree of biotite banding from 1007 to 1007.3. The unit appears slightly gabbroic in areas. Diabase subunit from 987.5 to 987.81m. Quartz flooding from 1000.8 to 1001.1. Higher degree of quartz stringers and wisps from 1000 to 1006; approximately 10 per meter.
WZ-19-197W3	1017.11	1022.8	5.69	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with \ Black biotite speckling with observed throughout which is weakly . Unit also contains 20% angular mafic and ultra mafic clasts giving a breccia texture
WZ-19-197W3	1022.8	1025.87	3.07	1A	Massive Flows	fine grained to medium grained, dark grey to dark green mafic unit. Unit is composed predominately of fine grained mafics with a minor amount of fine grained plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially in sections.
WZ-19-197W3	1025.87	1026.87	1	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive
WZ-19-197W3	1026.87	1028.15	1.28	1A	Massive Flows	fine grained to medium grained, dark grey to dark green mafic unit. Unit is composed predominately of fine grained mafics with a minor amount of fine grained plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially in sections.
WZ-19-197W3	1028.15	1032.11	3.96	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with \ Black biotite speckling with observed throughout which is weakly . Unit also contains 20% angular mafic and ultra mafic clasts giving a breccia texture
WZ-19-197W3	1032.11	1036.2	4.09	4B	Feldspar Porphyry	fine grained to medium grained, light grey purplish . Unit is composed predominately of a finer grained felsic ground mass with fg biotite disseminated throughout as well. moderately strained and elongated feldspar phenocrysts make up approx. 10% of the unit.
WZ-19-197W3	1036.2	1046.66	10.46	1A	Massive Flows	fine grained to medium grained, dark grey to dark green mafic unit. Unit is composed predominately of fine grained mafics with a minor amount of fine grained plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially in sections.
WZ-19-197W3	1046.66	1049.03	2.37	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with \ Black biotite speckling with observed throughout which is weakly . Unit also contains 20% angular mafic and ultra mafic clasts giving a breccia texture
WZ-19-197W3	1049.03	1055.36	6.33	1A	Massive Flows	fine grained to medium grained, dark grey to dark green mafic unit. Unit is composed predominately of fine grained mafics with a minor amount of fine grained plagioclase interstitially in sections. Occasional Calcite/quartz wisps throughout. Biotite also observed interstitially in sections.
WZ-19-197W3	1055.36	1056.78	1.42	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with \ Black biotite speckling with observed throughout which is weakly . Unit also contains 20% angular mafic and ultra mafic clasts giving a breccia texture
WZ-19-197W3	1056.78	1059.1	2.32	1B	Pillowed Flows	fine grained, grey to green mafic unit with a pillowed texture. Unit is mafic in composition with light green alteration bands intermittently throughout composed of chlorite/epidote. Minor amounts of banded biotite alteration throughout.

WZ-19-197W3	1059.1	1066	6.9	5B	Granodiorite	fine grained to medium grained , light grey to white felsic unit with a massive texture. Unit is composed primarily of white feldspar with \ Black biotite speckling with observed throughout which is weakly . Unit also contains 20% angular mafic and ultra mafic clasts giving a breccia texture
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BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	497.32	498.22	0.9	787353		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	498.22	498.6	0.38	787354		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	498.6	499.72	1.12	787355		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	501.61	502.22	0.61	787356		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	502.22	502.81	0.59	787357		24		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	502.81	503.68	0.87	787358		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	539.15	539.7	0.55	787359		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Blank			0	787360		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	539.7	540	0.3	787361		23		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	540	541	1	787362		12		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	611.55	612.1	0.55	787363		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	612.1	612.6	0.5	787364		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	612.6	613.6	1	787365		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	821.25	822	0.75	787366		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	822	823	1	787367		15		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	823	824	1	787368		43		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	824	825	1	787369		9		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			OREAS 215			0	787370		3510		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	856.5	857.15	0.65	787371		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	857.15	857.45	0.3	787372		91		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	857.45	858	0.55	787373		12		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	861.52	862.28	0.76	787374		7		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	862.28	862.58	0.3	787375		79		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	862.58	863.03	0.45	787376		16		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	864	865	1	787377		14		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	865	865.52	0.52	787378		528		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Assay	865.52	866	0.48	787379		14		
WZ-19-197W3	Middle Zone	Actlabs	A19-01673			Blank			0	787380		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	948	949	1	787381		114		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	949	950	1	787382		143		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	950	950.43	0.43	787383		144		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	950.43	951	0.57	787384		> 10000	13.4	13.3
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	951	951.83	0.83	787385		> 10000	17	17.5
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	951.83	953	1.17	787386		> 10000	11.8	14.3
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	953	953.73	0.73	787387		9260	8.98	
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	953.73	954	0.27	787388		9130	8.94	
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	954	955	1	787389		641		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			OREAS 215			0	787390		6780		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	955	955.73	0.73	787391		1810		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	955.73	956.5	0.77	787392		484		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	956.5	957	0.5	787393		258		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	957	958.04	1.04	787394		870		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	958.04	958.74	0.7	787395		1100		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	958.74	959.5	0.76	787396		350		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	959.5	960	0.5	787397		37		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	960	961	1	787398		6		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	961	962	1	787399		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Blank				787400		< 5		
WZ-19-197W3	Middle Zone	Actlabs	A19-01671			Assay	962	963	1	787401		5		



<b>Hole Number:</b>	<b>WZ-19-224</b>
<b>Drill Rig:</b>	HC-150-17
<b>Claim Number:</b>	

<b>Location</b>		<b>Drill Hole Orientation</b>		<b>Dates Drilled:</b>	<b>Start Date:</b>	<b>End Date:</b>
Surface					9-Feb-2019	20-Feb-2019
<u>Planned Coordinates</u>		<b>Azimuth:</b>	50	<b>Drill Contractor:</b>	Forages Chibougamau Ltée	
<b>Easting</b>	644908					
<b>Northing</b>	5408125	<b>Dip:</b>	-72	<b>Dates Logged:</b>	<b>Start Date:</b>	<b>End Date:</b>
<b>Elevation(m)</b>	410				9-Feb-2019	20-Feb-2019
<u>Final Pick up</u>		<b>Depth(m):</b>	929.00	<b>Logger 1:</b>	Jordan Keir-Sage	
<b>Easting</b>				<b>Logger 2:</b>	Andrew Wehrfritz	
<b>Northing</b>		<b>Core Size:</b>	NQ	<b>Logger 3:</b>		
<b>Elevation(m)</b>				<b>Assay Lab:</b>	Actlabs	

<b>Casing</b>		<b>Dip Tests</b>					
<b>Purpose of Hole</b>	Testing northern limit of middle zone	<b>Depth (m)</b>	<b>Az.</b>	<b>Dip</b>	<b>Mag</b>	<b>Notes</b>	<b>Az Uncor.</b>
<b>Results</b>	No Zone intersected. Granodiorite intrusion in targetted zone interval.	18.0	50.6	-70.3	57401		58.2
		48.0	46.7	-67.6	56584		54.3
		78.0	46.0	-66.8	56426		53.6
		108.0	46.1	-66.4	56511		53.7
		138.0	45.9	-66.1	56585		53.5
		168.0	46.3	-65.6	56542		53.9
		198.0	45.2	-65.1	56541		52.8
		228.0	45.7	-64.3	56212		53.3
<b>Comments</b>	Jordan logged to 814m. Andrew logged from 814m to EOH.	258.0	45.5	-62.9	56339		53.1
		288.0	45.7	-62.0	56336		53.3
		318.0	45.3	-61.6	56304		52.9
		348.0	48.6	-61.0	55522		56.2
		378.0	46.3	-60.4	56465		53.9
		408.0	45.9	-59.6	56236		53.5
		438.0	46.7	-58.8	56255		54.3
		468.0	47.1	-57.0	56230		54.7
		498.0	47.6	-56.8	56128		55.2
		528.0	48.3	-56.1	56227		55.9
		558.0	47.9	-55.3	56514		55.5
		588.0	46.0	-54.9	56823		53.6
618.0	47.3	-54.6	56245		54.9		
648.0	47.6	-54.4	56420		55.2		
678.0	47.5	-54.0	56290		55.1		
708.0	47.3	-53.8	56028		54.9		
744.0	50.9	-54.0	56563		58.5		
789.0	51.1	-53.9	57373		58.7		
819.0	332.1	-53.3	39207	**	339.7		
849.0	48.0	-53.0	56189		55.6		
879.0	48.2	-52.9	56274		55.8		
909.0	47.6	-53.0	56733		55.2		

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-19-224	0	3	3	OVB	Overburden	
WZ-19-224	3	8.45	5.45	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Minor iron formation inclusions
WZ-19-224	8.45	19.39	10.94	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are stretched elongated. Phenos are stretched are elongated. Sections of strong sericite/albite with PO mineralization alteration. unit is also intruded later feldspar porphyry. this porphyry is not deformed or foliated, resulting in cm sized phenocrysts
WZ-19-224	19.39	26	6.61	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Minor iron formation inclusions
WZ-19-224	26	27.45	1.45	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are stretched elongated. Phenos are stretched are elongated.
WZ-19-224	27.45	36.3	8.85	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Minor iron formation inclusions
WZ-19-224	36.3	74.72	38.42	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	74.72	87.1	12.38	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Minor iron formation inclusions
WZ-19-224	87.1	101.43	14.33	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers. At approx. 100 m a fault zone is starting. fault gouge and blocky core is visible increase in qtz calc veins near lower contact as well
WZ-19-224	101.43	105.2	3.77	FZ	Fault Zone	Blocky gouged core makes up the majority of this unit. Original rock appears to be a the above mafic pillowed flow.
WZ-19-224	105.2	114.78	9.58	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers, with a higher percentage of stringers/veins near upper contact of the fault
WZ-19-224	114.78	136.17	21.39	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	136.17	149.28	13.11	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	149.28	152.39	3.11	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	152.39	153.8	1.41	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	153.8	158.34	4.54	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	158.34	166.51	8.17	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	166.51	169.64	3.13	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	169.64	190.81	21.17	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	190.81	216.88	26.07	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \

WZ-19-224	216.88	253.52	36.64	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers. Small section of mineralization and interstitial biotite alteration at 219, disseminated PY/CPY are visible, 1% over the meter interval
WZ-19-224	253.52	259.6	6.08	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	259.6	262.67	3.07	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	262.67	283.06	20.39	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	283.06	286.56	3.5	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	286.56	320.09	33.53	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	320.09	328.66	8.57	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	328.66	338.14	9.48	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	338.14	343.2	5.06	1ALT	Altered Mafic Volcanic	green grey, fine to medium grained altered mafic flows. Unit is banded and moderately foliated. 20% of in is banded with moderate purple/brown biotite alteration. sulfides are trace- 1% PY and 1% stringer PO
WZ-19-224	343.2	345.87	2.67	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	345.87	351.11	5.24	1UT	Ultramafic Talc/Chlorite Altered	fine grained dark grey mafic unit with moderate to strong magnetic properties. Unit has a massive texture and pervasive talc alteration throughout. Fracture zone from evidence of fault gauge in this interval as well.
WZ-19-224	351.11	356.16	5.05	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	356.16	368.43	12.27	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. moderate foliation. Phenos are elongated and deformed. Unit is also intruded by a later feldspar porphyry. This porphyry is similar in composition but is not deformed and phenos are rounded and 1 - 2 cm in size
WZ-19-224	368.43	385.2	16.77	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	385.2	396.86	11.66	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	396.86	408.1	11.24	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	408.1	409.24	1.14	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	409.24	417.88	8.64	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	417.88	421.78	3.9	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	421.78	465.58	43.8	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	465.58	468.76	3.18	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts

WZ-19-224	468.76	476.08	7.32	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	476.08	478.98	2.9	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	478.98	481.37	2.39	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	481.37	483	1.63	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. \
WZ-19-224	483	484.09	1.09	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	484.09	499.26	15.17	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. At 487.57 and 488 there qtz veins that carry semi massive sulfides. 4-8% PO and 1-3 PY
WZ-19-224	499.26	505.86	6.6	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	505.86	527.94	22.08	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Magnetic near contact until 515
WZ-19-224	527.94	564.27	36.33	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. Section of unit between 553 and 555 appears to be a healed fault zone
WZ-19-224	564.27	578.21	13.94	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	578.21	585.59	7.38	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. Netty sericite (5%) from 584 to lower contact
WZ-19-224	585.59	611.8	26.21	7A	Diabase	fine grained to medium grained, grey mafic unit with moderate to strong magnetic properties. mm-cm sized feldspar glomerophyres scattered throughout and make up approximately 5 % of the unit
WZ-19-224	611.8	627.06	15.26	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro
WZ-19-224	627.06	628.67	1.61	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts
WZ-19-224	628.67	653.92	25.25	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro
WZ-19-224	653.92	686.7	32.78	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers. Cm sized and of garnets btw 662 - 663
WZ-19-224	686.7	690.85	4.15	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Patches of black biotite.
WZ-19-224	690.85	692.1	1.25	1B	Pillowed Flows	fine grained, dark grey to dark green mafic unit, weakly foliated. light green pillow selvage bands composed of chlorite/epidote mm in size. Biotite banding associated with some of these selvages. 2% wispy Calcite/qtz stringers
WZ-19-224	692.1	709.48	17.38	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Patches of black biotite. From 699-703 the unit is kspar altered
WZ-19-224	709.48	711.94	2.46	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro. Ultra mafic clast are present in unit. some sub rounded clast 1-3cm in size to approx. 30 cm sized clasts
WZ-19-224	711.94	713.67	1.73	1UT	Ultramafic Talc/Chlorite Altered	fine grained dark grey mafic unit with moderate to strong magnetic properties. Unit has a massive texture and pervasive talc alteration throughout.

WZ-19-224	713.67	730.77	17.1	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro. Ultra mafic clast in unit. some sub rounded clast 1-3cm in size to approx. 30 cm sized clasts
WZ-19-224	730.77	754.75	23.98	1U	Ultramafic Flows	Very fine grained, black ultra mafic. Slick slide texture is visible in fracture giving a weakly foliated appearance. unit is magnetic. Some bands/rims of sericite/talc alteration are visible. Disseminated trace PY/PO in core through unit
WZ-19-224	754.75	757.88	3.13	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro. Ultra mafic clast in unit. some sub rounded clast 1-3cm in size to approx. 30 cm sized clasts
WZ-19-224	757.88	758.9	1.02	1UT	Ultramafic Talc/Chlorite Altered	fine grained dark grey mafic unit with moderate to strong magnetic properties. Unit has a massive texture and pervasive talc alteration throughout.
WZ-19-224	758.9	782.9	24	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Small 2-3 cm clasts of ultra mafics are near upper contact
WZ-19-224	782.9	788.33	5.43	4B	Feldspar Porphyry	fine grained to medium grained, grey unit with a slight purple hue. Predominately a fine grained felsic groundmass with pervasive biotite. Weak foliation. Phenos are slightly deformed and cm sized phenocrysts, they make up 50% of unit
WZ-19-224	788.33	804.11	15.78	6B	Gabbro	fine grained to coarse grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, very weak foliation. Finer grained feldspar surrounding mafics in areas as well. pyroxene crystals have a ragged poorly defined boundary, unlike previous gabbro
WZ-19-224	804.11	809.97	5.86	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Patches of black biotite.
WZ-19-224	809.97	813.87	3.9	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well.
WZ-19-224	813.87	844.27	30.4	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite. Potassic alteration from 819 to 821 associated with light pink colouration, increased fracturing and mild vuggy texture.
WZ-19-224	844.27	848.57	4.3	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout
WZ-19-224	848.57	851.88	3.31	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite.
WZ-19-224	851.88	855.65	3.77	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout. Narrow section of ultramafic from 854.06 to 854.32m.
WZ-19-224	855.65	879.32	23.67	5B	Granodiorite	fine to coarse grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite. Intermittent sections containing pink potassic alteration.
WZ-19-224	879.32	880.82	1.5	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout.
WZ-19-224	880.82	883.36	2.54	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Second half of unit contains a slightly brecciated texture containing intrusive granodiorite.
WZ-19-224	883.36	884.78	1.42	5B	Granodiorite	fine to medium grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite.
WZ-19-224	884.78	895.14	10.36	1A	Massive Flows	fine grained to medium grained, dark grey to dark green unit, composed primarily of mafics with a massive texture, weak foliation. Finer grained feldspar surrounding mafics in areas as well. Coarsens gradationally with depth.
WZ-19-224	895.14	903.21	8.07	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout. No foliation
WZ-19-224	903.21	906.82	3.61	5B	Granodiorite	fine to medium grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite.
WZ-19-224	906.82	909.94	3.12	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout. Some narrow sections of granodiorite. No foliation
WZ-19-224	909.94	912	2.06	5B	Granodiorite	fine to medium grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended throughout. Patches of black biotite.



WZ-19-224	912	927.4	15.4	6B	Gabbro	mg to cg dark green mafic unit composed predominately of cg mafics with lesser amounts of plagioclase interstitially throughout. Narrow section of pegmatite from 919.12 to 919.3m.
WZ-19-224	927.4	929	1.6	5B	Granodiorite	fine to medium grained white granodiorite. Weak foliation. Millimetric to centimetric gabbroic xenoliths suspended occasionally throughout. Patches of black biotite.
WZ-19-224	929	929	0			EOH

BHID	AREA	LAB	COA NUMBER	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	9	9.55	0.55	787432		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	9.55	10.18	0.63	787433		6		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	10.18	11	0.82	787434		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	11	12	1	787435		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	12	13	1	787436		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	13	14	1	787437		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	14	15	1	787438		63		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	218	219	1	787439		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Blank			0	787440		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	219	220	1	787441		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	220	221	1	787442		5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	336.14	337.14	1	787443		5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	337.14	338.14	1	787444		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	338.14	339.14	1	787445		19		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	339.14	340.14	1	787446		5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	340.14	341.14	1	787447		94		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	341.14	342.14	1	787448		16		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	342.14	343.2	1.06	787449		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	OREAS 216			0	787450		6790		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	343.2	344.2	1	787501		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	344.2	345.2	1	787502		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	345.2	346.2	1	787503		5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	346.2	347.2	1	787504		6		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	366	367	1	787505		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	367	368	1	787506		6		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	368	368.43	0.43	787507		6		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	368.43	369	0.57	787508		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	369	370	1	787509		6		
WZ-19-224	Middle Zone	Actlabs	A19-02758	OREAS 215			0	787510		3590		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	485	486	1	787511		2470		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	486	487	1	787512		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	487	488	1	787513		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	488	489	1	787514		8		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	489	490	1	787515		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	737	738	1	787516		18		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	741	742	1	787517		9		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	746	747	1	787518		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Assay	751	752	1	787519		< 5		
WZ-19-224	Middle Zone	Actlabs	A19-02758	Blank			0	787520		< 5		



		Hole Number:		WZ-19-227				
		Drill Rig:		HC-150-19				
		Claim Number:						
Location		Drill Hole Orientation		Dates Drilled:		Start Date:	End Date:	
Surface				Azimuth: 50		Apr-19-2019	Apr-23-2019	
Planned Coordinates		Dip: -75		Drill Contractor:		Forages Chibougamau Ltée		
Easting	643742			Dates Logged:		Start Date:	End Date:	
Northing	5409671			Apr-19-2019		Apr-23-2019		
Elevation(m)	389	Depth(m): 465.00		Logger 1:		Andrew Wehrfritz		
Final Pick up				Logger 2:				
Easting				Logger 3:				
Northing		Core Size: NQ		Assay Lab:		Actlabs		
Elevation(m)								
Casing				Dip Tests				
Purpose of Hole	Exploration of Fisher/Wolf Zone.	Depth (m)	Az.	Dip	Mag	Notes	Az Uncor.	
		24.0	43.0	-74.6	57203		50.6	
		54.0	41.8	-74.1	56600		49.4	
Results	Main mineralized zone intersected from 379.26 to 384.7 composed of 1ALT and 4ALT with up to 2% po/py. Smaller earlier zones intersected from 325.4 to 328.55 (1ALT - 2-3% po/py stringers) and 360.4 to 367.09 (1ALT - up to 3% po/py)	84.0	41.2	-74.2	56681		48.8	
		114.0	43.0	-73.8	56807		50.6	
		144.0	42.8	-73.6	56732		50.4	
		174.0	43.6	-73.6	56738		51.2	
		204.0	43.9	-73.4	56817		51.5	
		234.0	49.3	-73.2	56949		56.9	
		264.0	45.6	-72.1	56641		53.2	
		294.0	44.8	-71.7	56502		52.4	
Comments		324.0	43.6	-71.4	56498		51.2	
		354.0	50.7	-71.1	55989		58.3	
		384.0	44.1	-70.7	56363		51.7	
		414.0	44.6	-70.4	56473		52.2	
		444.0	45.1	-70.1	56583		52.7	
				-7.6				
				-7.6				
Azimuth corrected to 7.6 degrees west declination				-7.6				
				-7.6				
				-7.6				

BHID	FROM_M	TO_M	LENGTH_M	ROCK_CODE	ROCK	COMMENTS
WZ-19-227	0	3	3	CAS	Casing	
WZ-19-227	3	12.12	9.12	6B	Gabbro	fine to coarse grained massive gabbro. moderate to local strong biotite alteration with local weak to moderate chlorite alteration.
WZ-19-227	12.12	17.04	4.92	3D	Iron Formation	fg, light grey, dark grey, and purple banded felsic unit. Unit is composed predominately of banded felsic mineralization with some accompanying mafic banding. Unit contains <1% po stringers
WZ-19-227	17.04	20.75	3.71	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit. Millimetric sized brown/red garnet phenocrysts suspended through portions of the unit.
WZ-19-227	20.75	21.18	0.43	3D	Iron Formation	fg, light grey, dark grey, and purple banded felsic unit. Unit is composed predominately of banded felsic mineralization with some accompanying mafic banding. Unit contains 1-2% blebby py/po.
WZ-19-227	21.18	26.45	5.27	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit. Millimetric sized brown/red garnet phenocrysts suspended through 21.18 to 25m; this interval is also associated with up to 1% blebby po.
WZ-19-227	26.45	42.6	16.15	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals with lesser amounts of interstitial plagioclase as well as minor amounts of disseminated biotite. Quartz and calcite wisps and stringers intermittently throughout the unit.
WZ-19-227	42.6	44.33	1.73	6E	Intermediate Dyke	fg to mg intermediate unit with a grey to pale purple hue. Unit is composed of equal portions of mafic and felsic minerals and contains a massive texture. Moderate foliation that undulates and is almost parallel tca assess in sections.
WZ-19-227	44.33	48	3.67	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals with lesser amounts of interstitial plagioclase as well as minor amounts of disseminated biotite. Quartz and calcite wisps and stringers intermittently throughout the unit.
WZ-19-227	48	82.43	34.43	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit.
WZ-19-227	82.43	83.7	1.27	4B	Feldspar Porphyry	Fine to medium grained, grey felsic unit with a purple hue. Felsic groundmass with disseminated black biotite, and several white strained and faint feldspar phenocrysts. Unit contains some light green alteration halos surrounding healed fractures. Potentially an intermediate dyke due to phenocrysts being so faint.
WZ-19-227	83.7	84.19	0.49	3G	Sulphide Facies Iron Formation	fine grained, light grey to dark grey banded unit. Unit is composed predominately of alternating cherty and mafic bands. Unit contains approx. 1% py stringers . Minor section of pillowed mafic flows from 83.7 to 83.88m.
WZ-19-227	84.19	86.28	2.09	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit.
WZ-19-227	86.28	89.84	3.56	4B	Feldspar Porphyry	Fine to medium grained, grey felsic unit with a purple hue. Felsic groundmass with disseminated black biotite, and several white strained and faint feldspar phenocrysts. Unit contains some light green alteration halos surrounding healed fractures. Potentially an intermediate dyke due to phenocrysts being so faint. Quartz veinlet running parallel tca at 88.5m.
WZ-19-227	89.84	100.73	10.89	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with minor to moderate amounts of foliation and a massive texture. Unit is composed predominately of mafic minerals with lesser amounts of interstitial plagioclase as well as minor amounts of disseminated biotite. Quartz and calcite wisps and stringers intermittently throughout the unit.
WZ-19-227	100.73	124.38	23.65	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration. Small 5A and 1A subunits.
WZ-19-227	124.38	124.93	0.55	3G	Sulphide Facies Iron Formation	fine grained, light grey to dark grey banded unit. Unit is composed predominately of alternating cherty and mafic bands. Unit contains approx. 2-3% py and po stringers with lesser amounts of cpy stringers.

WZ-19-227	124.93	135.85	10.92	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with minor to moderate amounts of foliation and a massive texture. Unit is composed predominately of mafic minerals with lesser amounts of interstitial plagioclase as well as minor amounts of disseminated biotite. Quartz and calcite wisps and stringers intermittently throughout the unit. Some sections appear gabbroic.
WZ-19-227	135.85	143	7.15	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration. Some narrow sections of 4B.
WZ-19-227	143	207.6	64.6	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit as well as several quartz veins. Narrow section of 4b from 143.67 to 143.85 that contains up to 1% po stringers. Intermediate dyke containing approximately 1% po stringers from 168.61 to 169.03
WZ-19-227	207.6	208.8	1.2	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit. Pervasive epidote alteration throughout associated with approximately 3-5% blebby py.
WZ-19-227	208.8	220.45	11.65	1A	Massive Flows	fg to mg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals with lesser amounts of interstitial plagioclase as well as minor amounts of disseminated biotite. Quartz and calcite wisps and stringers intermittently throughout the unit. Minor vuggy texture at 211m.
WZ-19-227	220.45	227.95	7.5	4B	Feldspar Porphyry	Fine to medium grained, grey felsic unit with a purple hue. Felsic groundmass with disseminated black biotite, and approximately 30% white feldspar phenocrysts with a minor amount of straining. Unit contains some light green alteration halos surrounding healed fractures. Two minor sections of pillow mafic flows. Narrow section of sulphide iron facies from 223.63 to 223.8 containing 5% py stringers. Fracture frequency increases with depth.
WZ-19-227	227.95	230.85	2.9	1UT	Ultramafic Talc/Chlorite Altered	fg, dark grey mafic unit with a massive texture and a strong degree of pervasive talc alteration. High degree of fracturing throughout (approximately 15 to 20 per meter). Fault gauge from 229.3 to 229.6. Intermediate dyke from 228.2 to 228.55 with approximately 1-2% disseminated po. Moderate amounts of magnetism throughout.
WZ-19-227	230.85	236.84	5.99	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Minor amounts of sulphides <1%.
WZ-19-227	236.84	243	6.16	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout the unit. Approximately 1% blebby po, and 1% py stringers. Quartz flooding from 236.84 to 237 associated with higher degree of sulphides; potentially an iron formation. Minor amounts of biotite banding in this unit
WZ-19-227	243	325.4	82.4	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Minor amounts of sulphides <1%. Moderate amount of biotite banding from 248.8 to 249m. Narrow sections of 4B from 258.5 to 259m.
WZ-19-227	325.4	328.55	3.15	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite and millimetric sized garnet phenocrysts. Narrow sections of silica flooding associated with disseminated po and py as well as po/py stringers (2-3%). Narrow sections of strained 4B intermittently through sections with a slight purple hue.
WZ-19-227	328.55	329.03	0.48	3G	Sulphide Facies Iron Formation	fine grained, light grey to dark grey banded unit. Unit is composed predominately of alternating cherty bands. Unit contains approx. 2-3% py and po stringers with lesser amounts of cpy stringers.

WZ-19-227	329.03	331.08	2.05	4B	Feldspar Porphyry	Fine to medium grained, grey felsic unit with a purple hue. Felsic groundmass with disseminated black biotite, and approximately 30% white feldspar phenocrysts with a minor amount of straining. Unit contains a high degree of light green alteration halos surrounding healed fractures. Approximately 1% disseminated sulphides.
WZ-19-227	331.08	355	23.92	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing some thin dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers/veinlets intermittently throughout. Some sections appear to be massive mafic flows. Millimetric sized garnets disseminated through sections.
WZ-19-227	355	357.73	2.73	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Approximately 1% blebby py associated with millimetric sized garnets. Narrow section of 4B at 357m.
WZ-19-227	357.73	360.4	2.67	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Mechanical fracturing from 360 to 360.4m
WZ-19-227	360.4	362.6	2.2	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite and millimetric sized garnet phenocrysts. Narrow sections of silica flooding associated with disseminated po and py as well as po/py stringers (2-3%). Narrow sections of strained 4B intermittently through sections with a slight purple hue.
WZ-19-227	362.6	365.7	3.1	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing some thin dark green pillow selvage bands. Thin light green alteration bands composed of chlorite and epidote occur occasionally along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Approximately 1% blebby py. Moderate to high magnetism.
WZ-19-227	365.7	367.09	1.39	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite and millimetric sized garnet phenocrysts. Narrow sections of silica flooding associated with disseminated po and py as well as po/py stringers (2-3%). Narrow sections of strained 4B intermittently through sections with a slight purple hue.
WZ-19-227	367.09	369.82	2.73	4B	Feldspar Porphyry	Fine to medium grained, grey felsic unit with a purple hue. Felsic groundmass with disseminated black biotite, and approximately 30% white feldspar phenocrysts with a minor amount of straining. Unit contains some light green alteration halos surrounding healed fractures.
WZ-19-227	369.82	373.5	3.68	6E	Intermediate Dyke	fg to mg intermediate unit with a grey to pale purple hue. Unit is composed of equal portions of mafic and felsic minerals and contains a massive texture. Moderate foliation.
WZ-19-227	373.5	373.8	0.3	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals Quartz and calcite wisps/stringers intermittently throughout. Approximately 1% disseminated py.
WZ-19-227	373.8	375.52	1.72	6E	Intermediate Dyke	fg to mg intermediate unit with a grey to pale purple hue. Unit is composed of equal portions of mafic and felsic minerals and contains a massive texture. Moderate foliation.
WZ-19-227	375.52	376.23	0.71	1MIN	Mineralized Mafic Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals Quartz and calcite wisps/stringers intermittently throughout. Approximately 1% disseminated py. Moderate amount of biotite interstitially.
WZ-19-227	376.23	378.12	1.89	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin some dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout.
WZ-19-227	378.12	379.26	1.14	6E	Intermediate Dyke	fg to mg intermediate unit with a grey to pale purple hue. Unit is composed of equal portions of mafic and felsic minerals and contains a massive texture. Moderate foliation. Trace amounts of py.
WZ-19-227	379.26	380.43	1.17	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite. Up to 1% disseminated py.

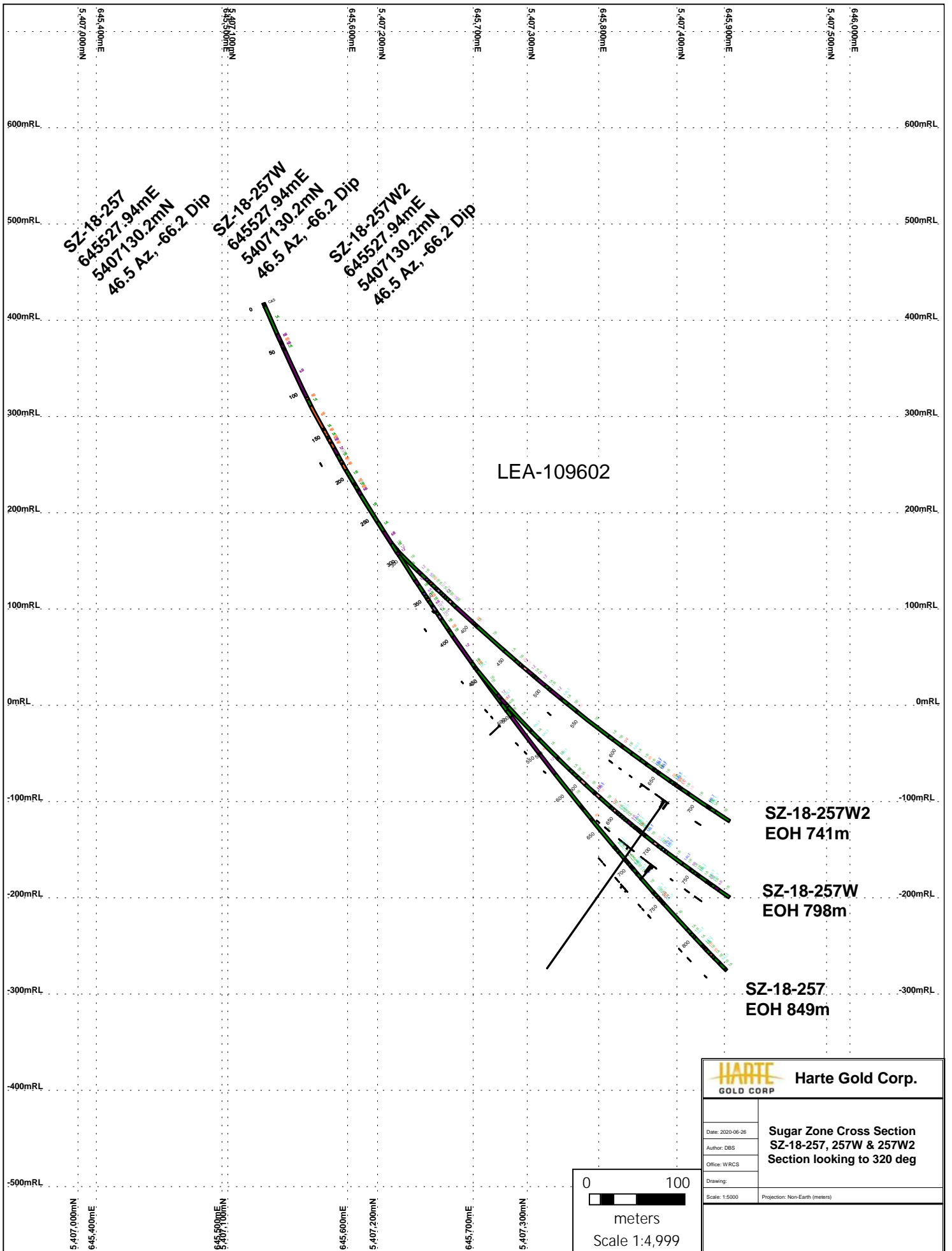
WZ-19-227	380.43	381.66	1.23	4ALT	Altered Feldspar Porphyry	fg to mg, grey felsic unit with a strong purple hue. Felsic groundmass with disseminated muscovite and biotite, and highly sheared/strained white feldspar phenocrysts. Unit contains frequent light green alteration halos surrounding healed fractures. Moderate to high amounts of quartz flooding associated with up to 1% disseminated py/po.
WZ-19-227	381.66	383.5	1.84	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite. Smokey Quartz veinlets and stringers intermittently throughout associated with up to 2% blebby po and py.
WZ-19-227	383.5	383.9	0.4	4ALT	Altered Feldspar Porphyry	fg to mg, grey felsic unit with a strong purple hue. Felsic groundmass with disseminated muscovite and biotite, and highly sheared/strained white feldspar phenocrysts. Unit contains frequent light green alteration halos surrounding healed fractures. Moderate to high amounts of quartz flooding associated with 1% disseminated py/po.
WZ-19-227	383.9	384.7	0.8	1ALT	Altered Mafic Volcanic	fg, dark green, brown and dark grey mafic unit with a banded texture. Unit is composed predominately of mafic minerals containing thin dark green pillow selvage bands, banded brown biotite. Trace py.
WZ-19-227	384.7	392.88	8.18	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin some dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout.
WZ-19-227	392.88	397.9	5.02	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration.
WZ-19-227	397.9	401	3.1	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin some dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout.
WZ-19-227	401	409.44	8.44	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration.
WZ-19-227	409.44	410.62	1.18	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin some dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout. Series of quartz stringers/ veinlets from 409.44 to 409.7
WZ-19-227	410.62	420.36	9.74	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration.
WZ-19-227	420.36	430.12	9.76	1B	Pillowed Flows	fg, dark green to dark grey mafic unit with minor to moderate amounts of foliation. Unit is composed predominately of mafic minerals containing thin some dark green pillow selvage bands. Some thin light green alteration bands composed of chlorite and epidote occur throughout along with minor biotite alteration. Quartz and calcite wisps/stringers intermittently throughout.
WZ-19-227	430.12	465	34.88	6B	Gabbro	fine to coarse grained dark grey to green massive mafic unit. Unit is composed predominately of mafic minerals with lesser amounts of grey plagioclase interstitially. minor local biotite alteration with local moderate chlorite alteration.
WZ-19-227	465	465				EOH

BHID	AREA	LAB	COA NUMBER	DATE SHIPPED	DATE RECEIVED	SAMPLE_TYPE	FROM_M	TO_M	LENGTH_M	SAMPLE_NUMBER	Au Final	Au PPB	Au GRAV	Au PM
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	11	12.12	1.12	784192	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	12.12	13	0.88	784193	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	13	14	1	784194	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	14	15	1	784195	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	15	16	1	784196	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	16	17.04	1.04	784197	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	17.04	18	0.96	784198	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	18	19	1	784199	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784200	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	19	20	1	784201	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	20	20.75	0.75	784202	0.025	25		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	20.75	21.18	0.43	784203	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	21.18	22	0.82	784204	0.009	9		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	22	23	1	784205	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	23	24	1	784206	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	24	25	1	784207	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	25	26	1	784208	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	82.43	83	0.57	784209	0.04	40		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	OREAS 216				784210	6.74	6740		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	83	83.7	0.7	784211	0.02	20		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	83.7	84.14	0.44	784212	0.02	20		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	84.14	85	0.86	784213	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	123.35	124.38	1.03	784214	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay+Geochem	124.38	124.93	0.55	784215	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	124.93	126	1.07	784216	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	143	143.67	0.67	784217	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	143.67	144	0.33	784218	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	144	144.78	0.78	784219	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784220	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	168	168.61	0.61	784221	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	168.61	169.03	0.42	784222	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	169.03	170	0.97	784223	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	206.6	207.6	1	784224	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	207.6	208	0.4	784225	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	208	208.8	0.8	784226	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	208.8	210	1.2	784227	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	223.05	223.5	0.45	784228	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	223.5	224	0.5	784229	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	OREAS 215				784230	3.66	3660		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	224	225	1	784231	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	225	226	1	784232	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	226	227	1	784233	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	227	227.95	0.95	784234	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	227.95	228.55	0.6	784235	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	228.55	229	0.45	784236	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	236	236.84	0.84	784237	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	236.84	238	1.16	784238	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	238	239	1	784239	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784240	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	239	240	1	784241	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	240	241	1	784242	0.125	125		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	241	242	1	784243	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	242	243	1	784244	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	243	244	1	784245	0.011	11		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	324.56	325.4	0.84	784246	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	325.4	326	0.6	784247	0.094	94		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	326	327	1	784248	0.014	14		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	327	328	1	784249	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	OREAS 210				784250	5.29	5290		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	328	328.55	0.55	784251	0.014	14		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	328.55	329.03	0.48	784252	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	329.03	329.42	0.39	784253	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	329.42	330	0.58	784254	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	330	331.08	1.08	784255	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	331.08	332	0.92	784256	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	332	332.5	0.5	784257	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	354.13	355	0.87	784258	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	355	356	1	784259	0.02	20		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784260	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	356	356.93	0.93	784261	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	356.93	357.73	0.8	784262	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	357.73	358.43	0.7	784263	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	358.43	359.5	1.07	784264	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	359.5	360.4	0.9	784265	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	360.4	361	0.6	784266	0.024	24		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	361	362	1	784267	0.327	327		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	362	362.6	0.6	784268	0.013	13		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	362.6	363	0.4	784269	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	OREAS 216				784270	6.76	6760		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	363	364	1	784271	0.011	11		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	364	365	1	784272	0.005	5		

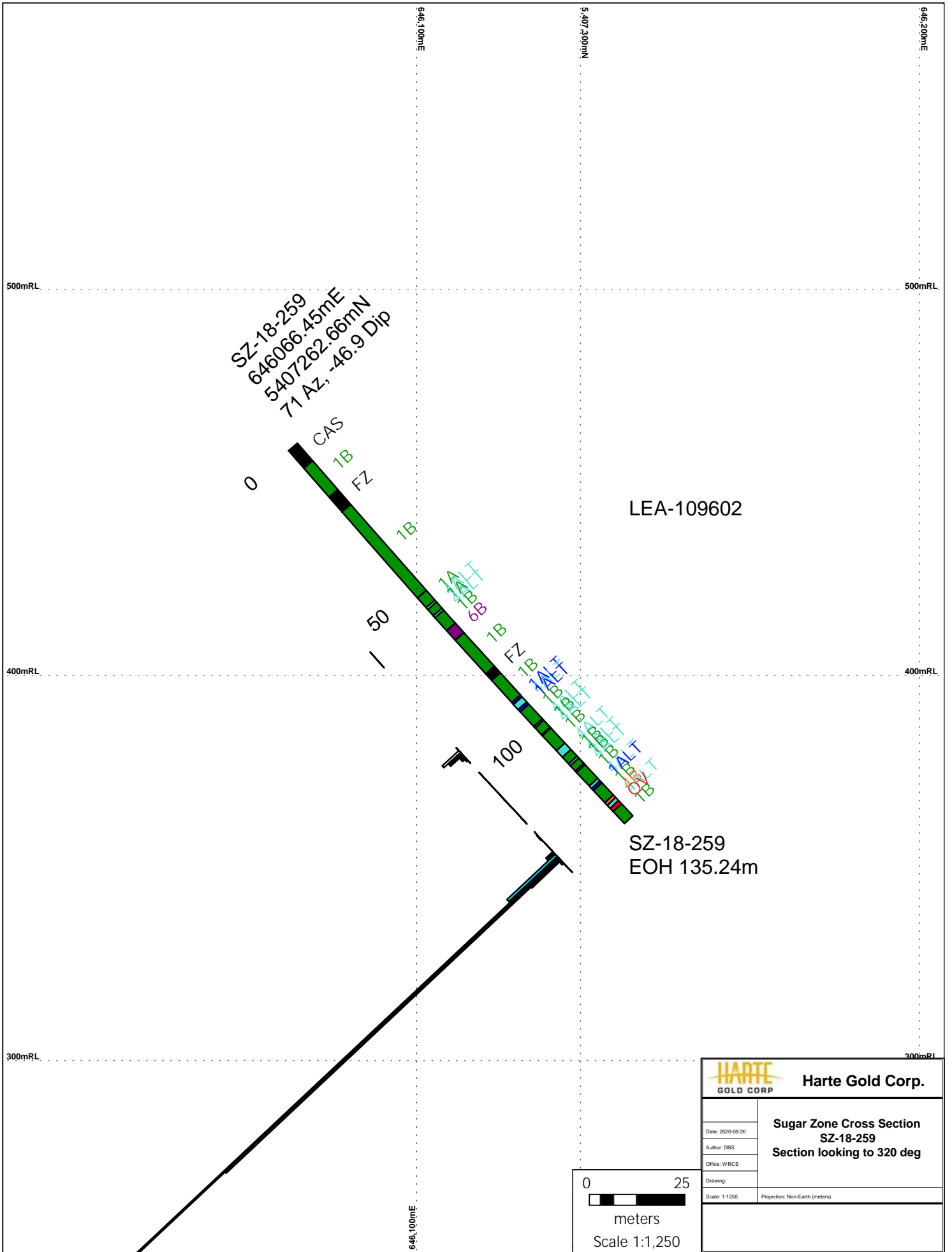


WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	365	365.7	0.7	784273	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	365.7	366	0.3	784274	0.197	197		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	366	367.09	1.09	784275	0.054	54		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	367.09	368	0.91	784276	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	368	368.82	0.82	784277	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	368.82	370	1.18	784278	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	370	370.3	0.3	784279	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784280	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	370.3	371	0.7	784281	0.009	9		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	371	372	1	784282	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	372	373	1	784283	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	373	373.5	0.5	784284	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	373.5	373.8	0.3	784285	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	373.8	374.5	0.7	784286	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	374.5	375.13	0.63	784287	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	375.13	375.52	0.39	784288	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	375.52	376.23	0.71	784289	0.012	12		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	OREAS 215				784290	3.6	3600		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	376.23	376.84	0.61	784291	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	376.84	377.5	0.66	784292	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	377.5	378.12	0.62	784293	0.006	6		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	378.12	379.26	1.14	784294	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	379.26	380	0.74	784295	0.012	12		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	380	380.43	0.43	784296	0.011	11		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	380.43	381	0.57	784297	0.005	5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	381	381.66	0.66	784298	0.061	61		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	381.66	382.5	0.84	784299	0.014	14		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Blank				784300	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	382.5	383.5	1	784301	0.013	13		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	383.5	383.9	0.4	784302	0.01	10		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	383.9	384.7	0.8	784303	0.0025	< 5		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	384.7	385	0.3	784304	0.007	7		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	385	386	1	784305	0.014	14		
WZ-19-227	Wolf Zone	Actlabs	A19-06170	03-May-19	15-May-19	Assay	386	387	1	784306	0.0025	< 5		

**Appendix D – Sugar & Wolf Zones – 2018-2019 Drill Hole Cross Sections**



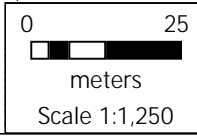




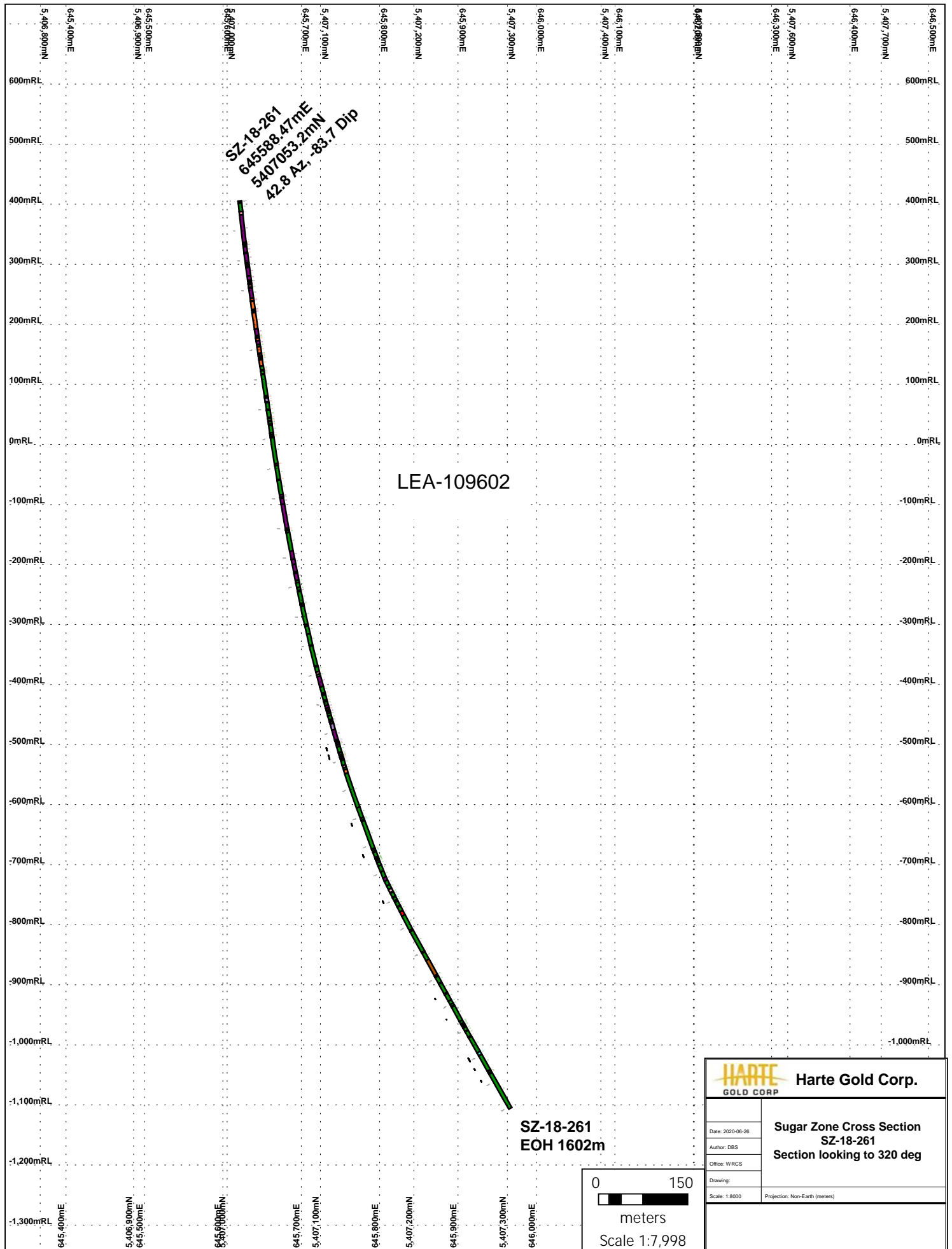
SZ-18-259  
 646066.45mE  
 5407262.66mN  
 71 Az, -46.9 Dip

LEA-109602

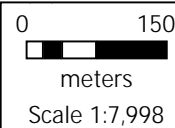
SZ-18-259  
 EOH 135.24m

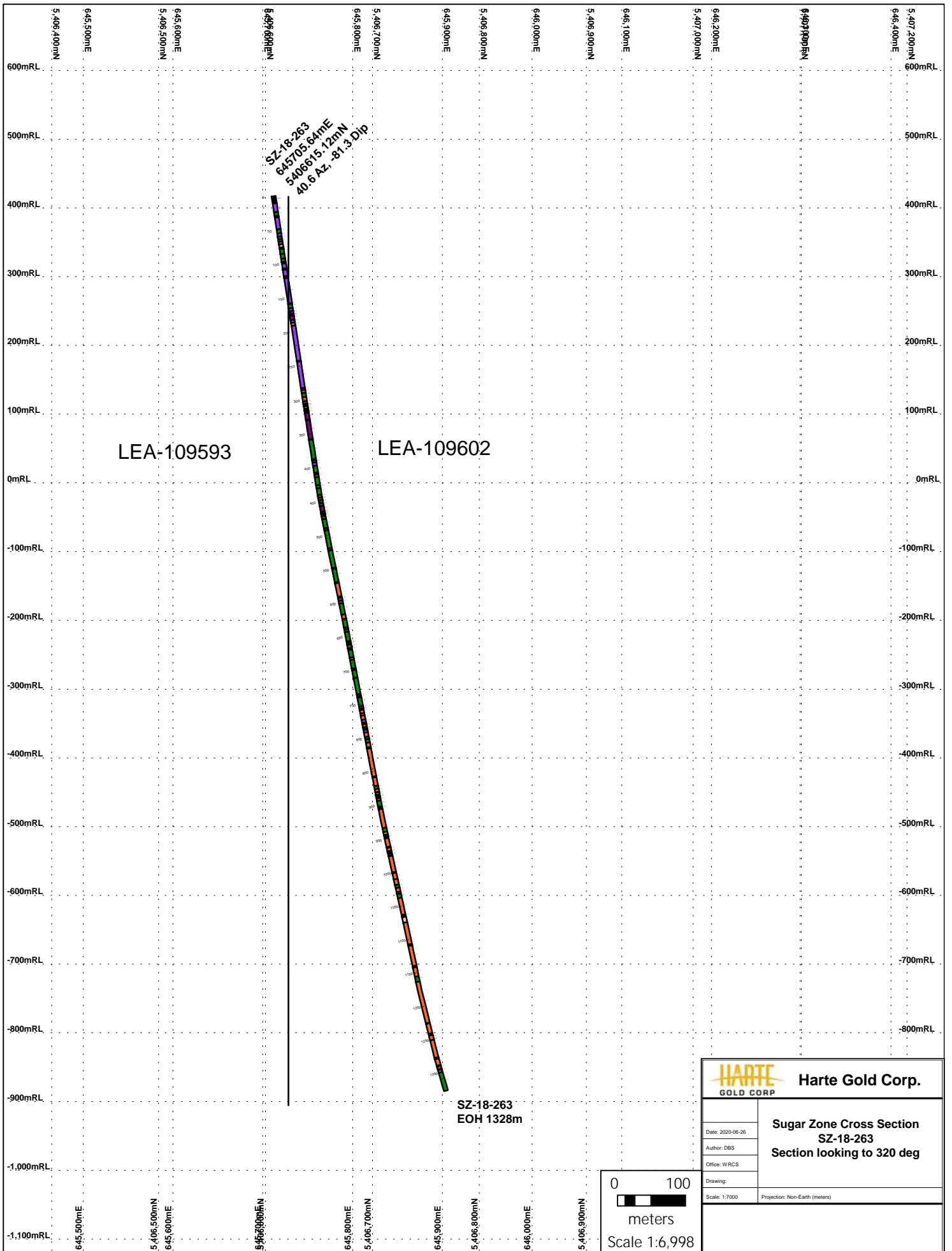


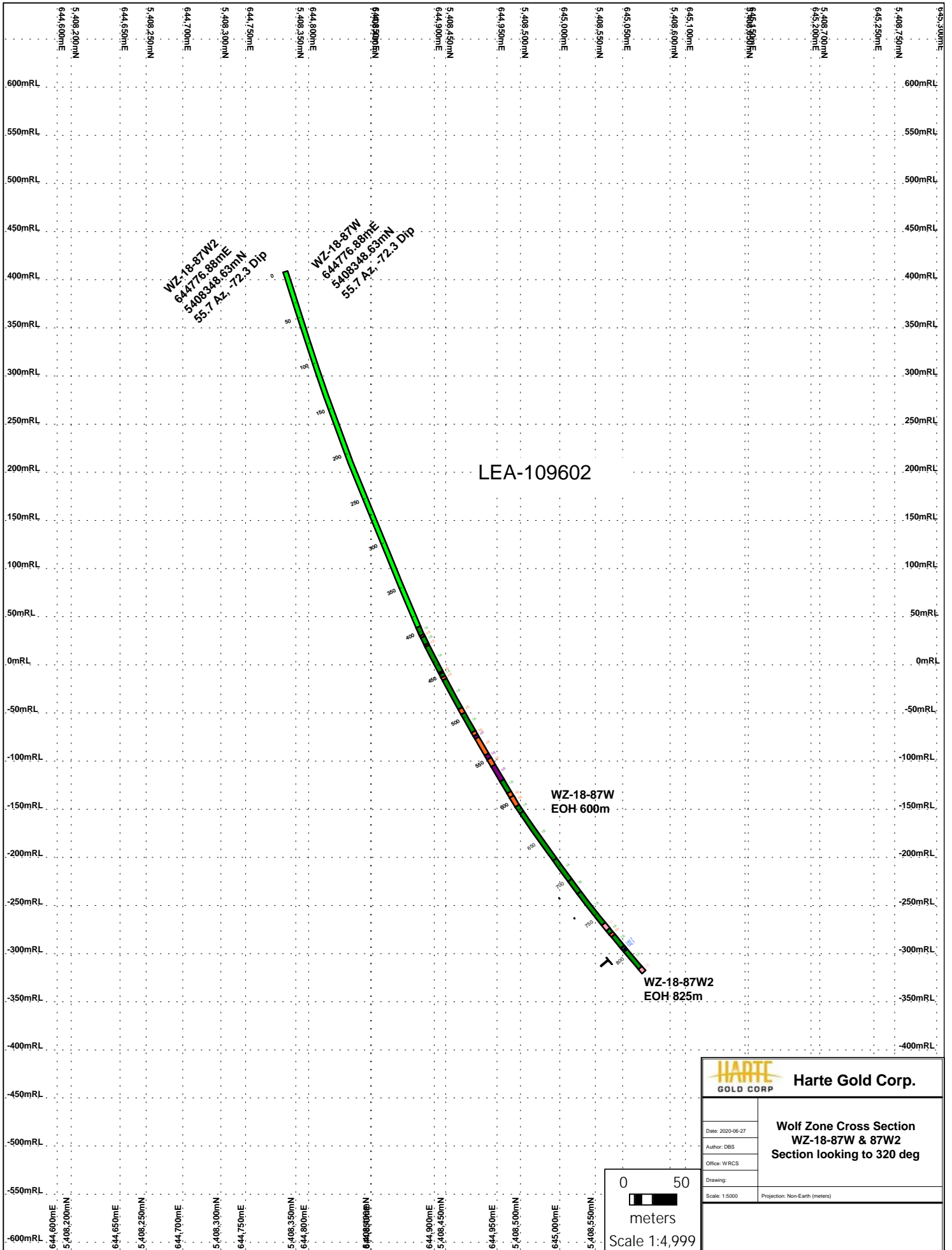
<b>Harte Gold Corp.</b>	
<b>Sugar Zone Cross Section</b> <b>SZ-18-259</b> <b>Section looking to 320 deg</b>	
Date: 2020-06-26	
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:1,250	Projection: Non-Earth (meters)



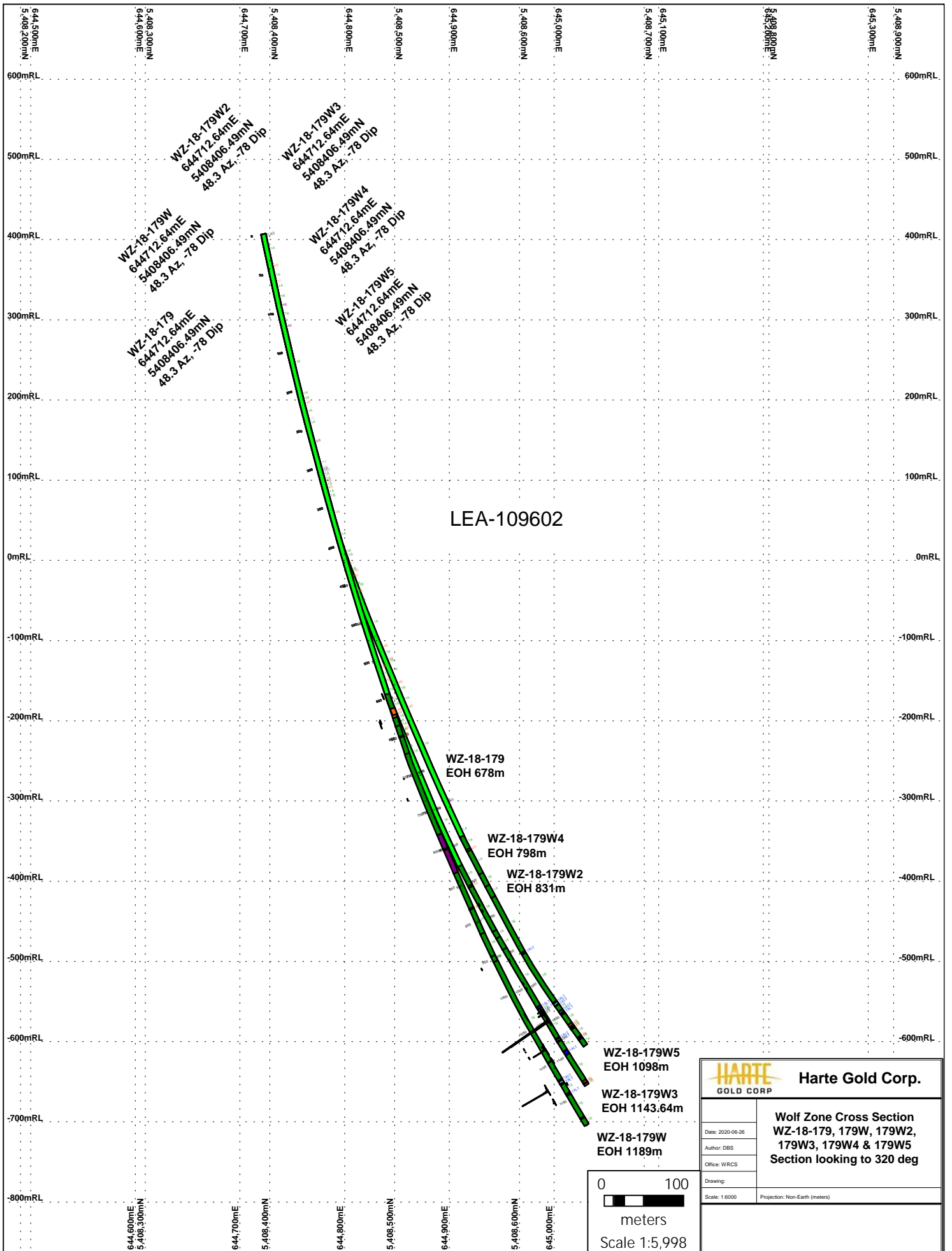
<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-06-26	Author: DBS	<b>Sugar Zone Cross Section</b> <b>SZ-18-261</b> <b>Section looking to 320 deg</b>	
Office: WRCS	Drawing:		
Scale: 1:8000	Projection: Non-Earth (meters)		











LEA-109602

WZ-18-179  
EOH 678m

WZ-18-179W4  
EOH 798m

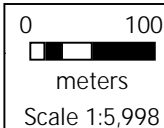
WZ-18-179W2  
EOH 831m

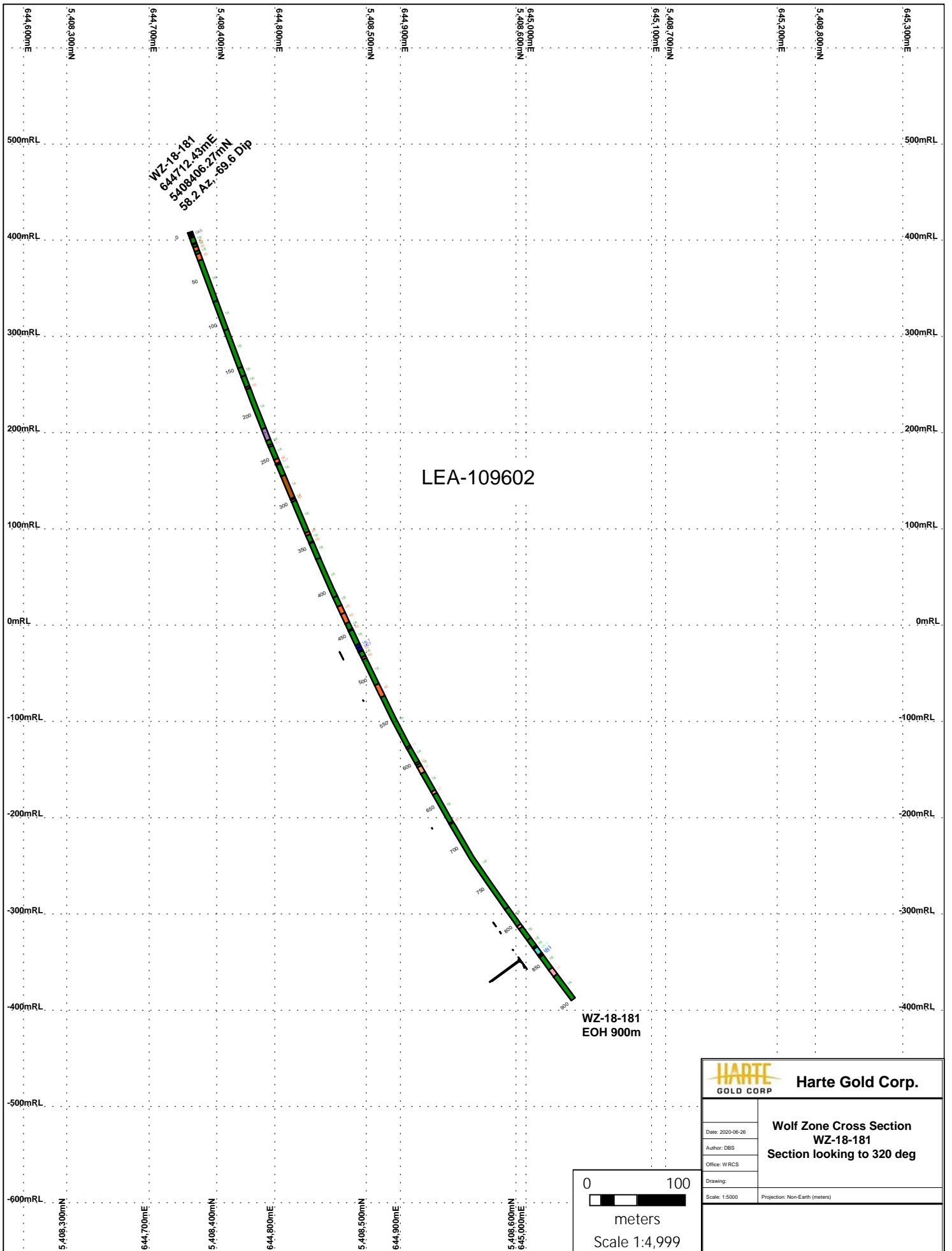
WZ-18-179W5  
EOH 1098m

WZ-18-179W3  
EOH 1143.64m

WZ-18-179W  
EOH 1189m

<b>Harte Gold Corp.</b>	
<b>Wolf Zone Cross Section</b> <b>WZ-18-179, 179W, 179W2,</b> <b>179W3, 179W4 &amp; 179W5</b> <b>Section looking to 320 deg</b>	
Date: 2020-06-26	Drawing:
Author: DBS	Scale: 1:6000
Office: WRCS	Projection: Non-Earth (meters)




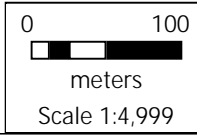


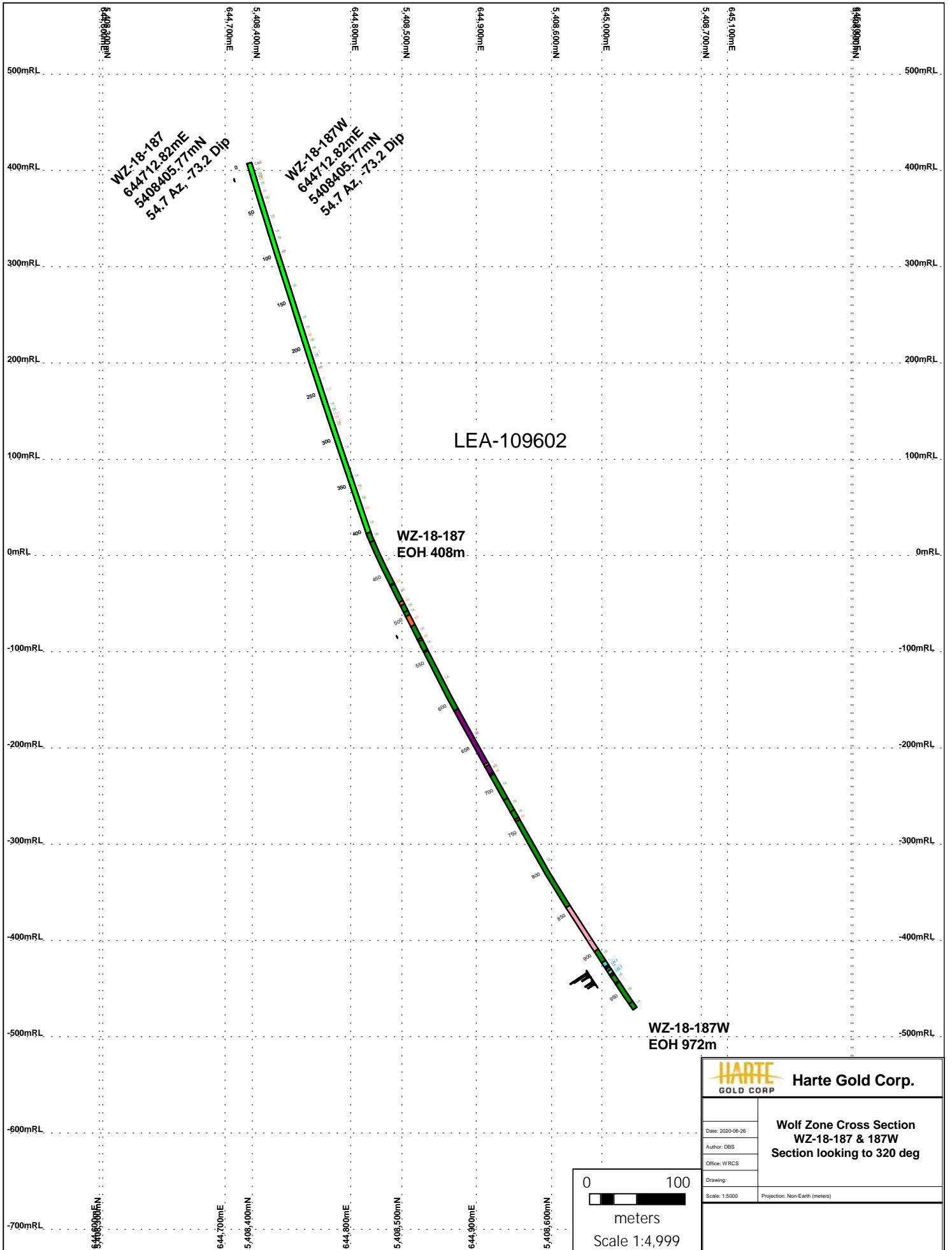
**WZ-18-181**  
**644712.43mE**  
**5408406.27mN**  
**58.2 Az., -69.6 Dip**

LEA-109602

**WZ-18-181**  
**EOH 900m**

 <b>Harte Gold Corp.</b>	
Date: 2020-06-26 Author: DBS Office: WRCS Drawing:	<b>Wolf Zone Cross Section</b> <b>WZ-18-181</b> <b>Section looking to 320 deg</b>
Scale: 1:5000 Projection: Non-Earth (meters)	





WZ-18-187  
644712.82mE  
5408405.77mN  
54.7 Az, -73.2 Dip

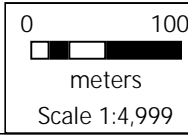
WZ-18-187W  
644712.82mE  
5408405.77mN  
54.7 Az, -73.2 Dip

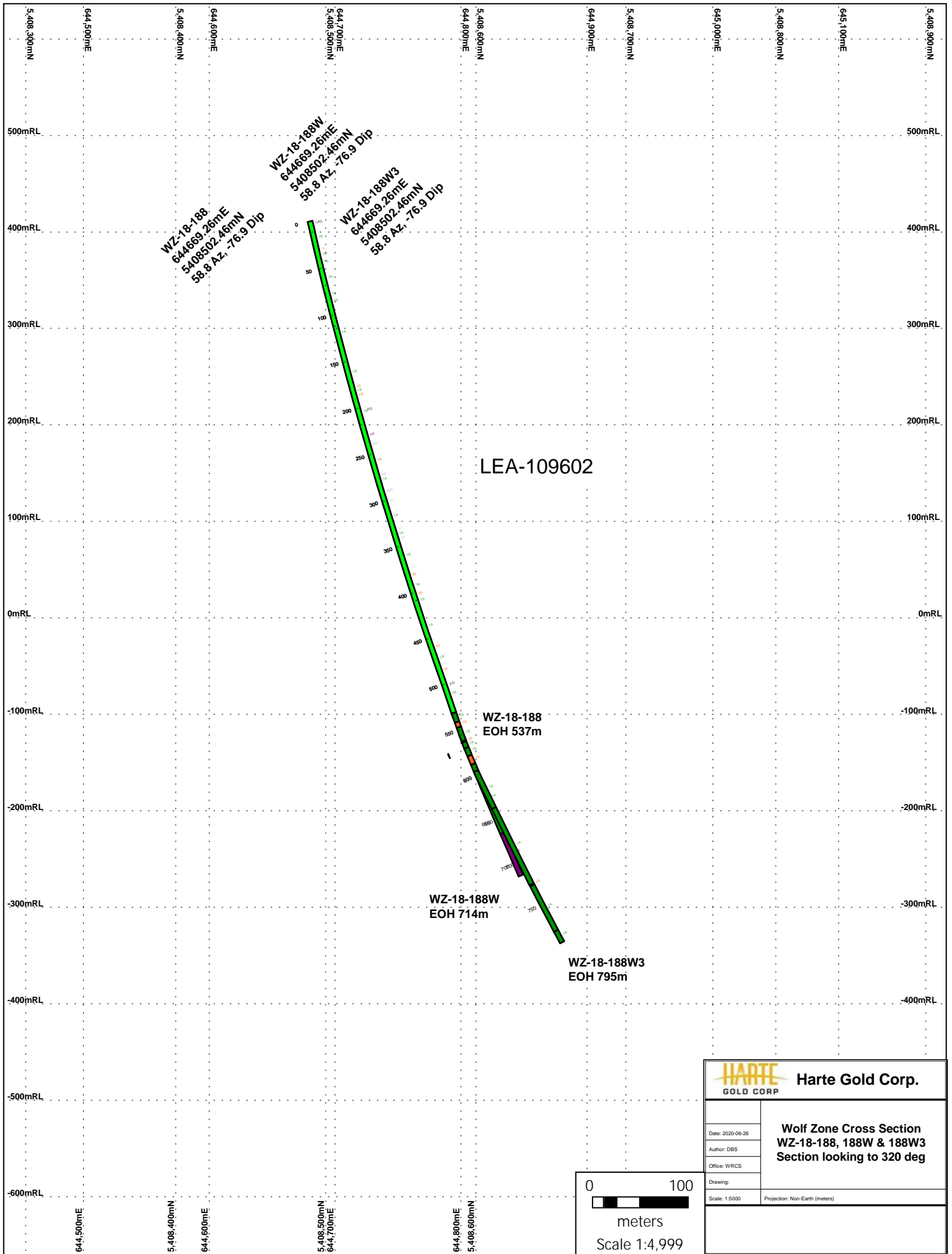
LEA-109602

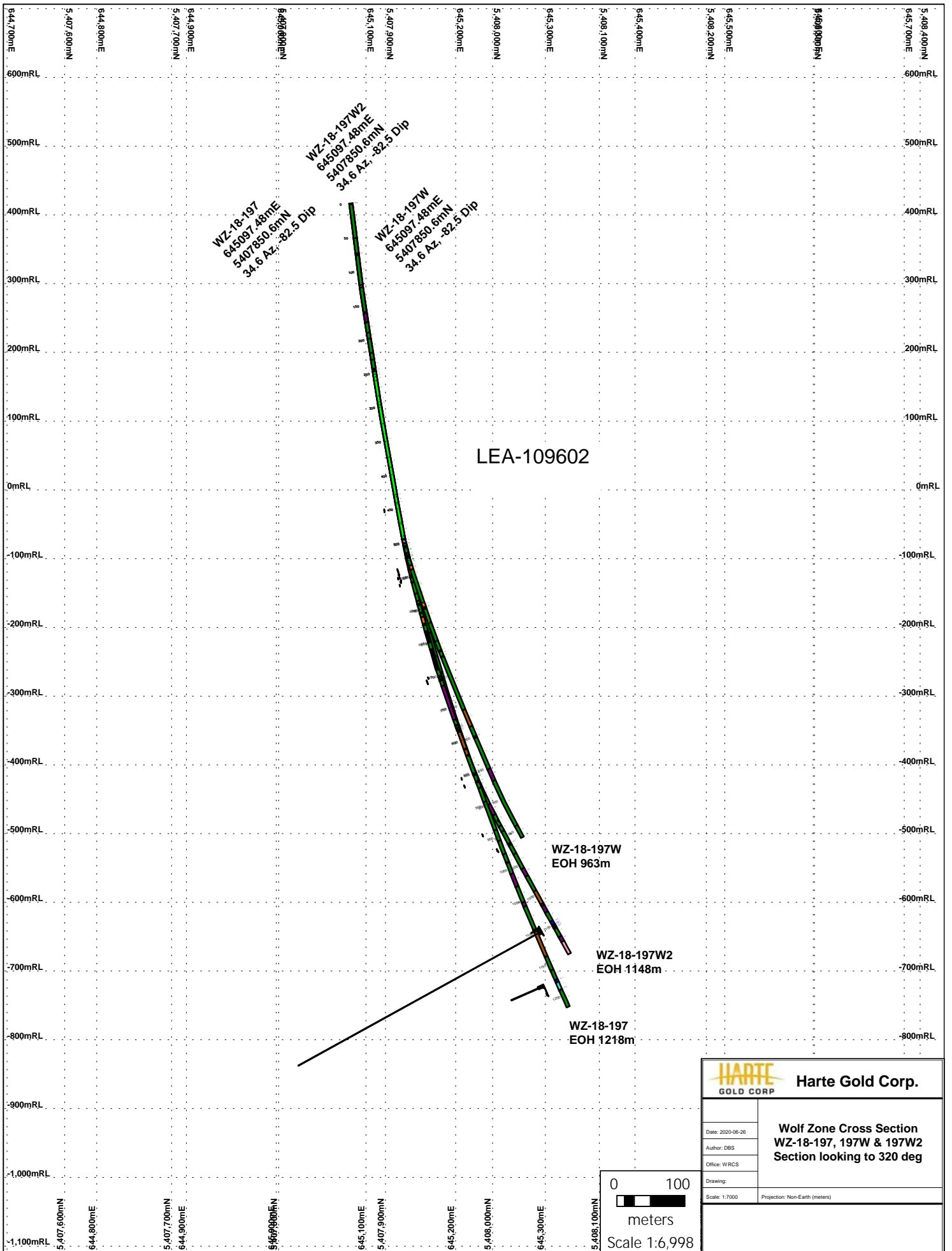
WZ-18-187  
EOH 408m

WZ-18-187W  
EOH 972m

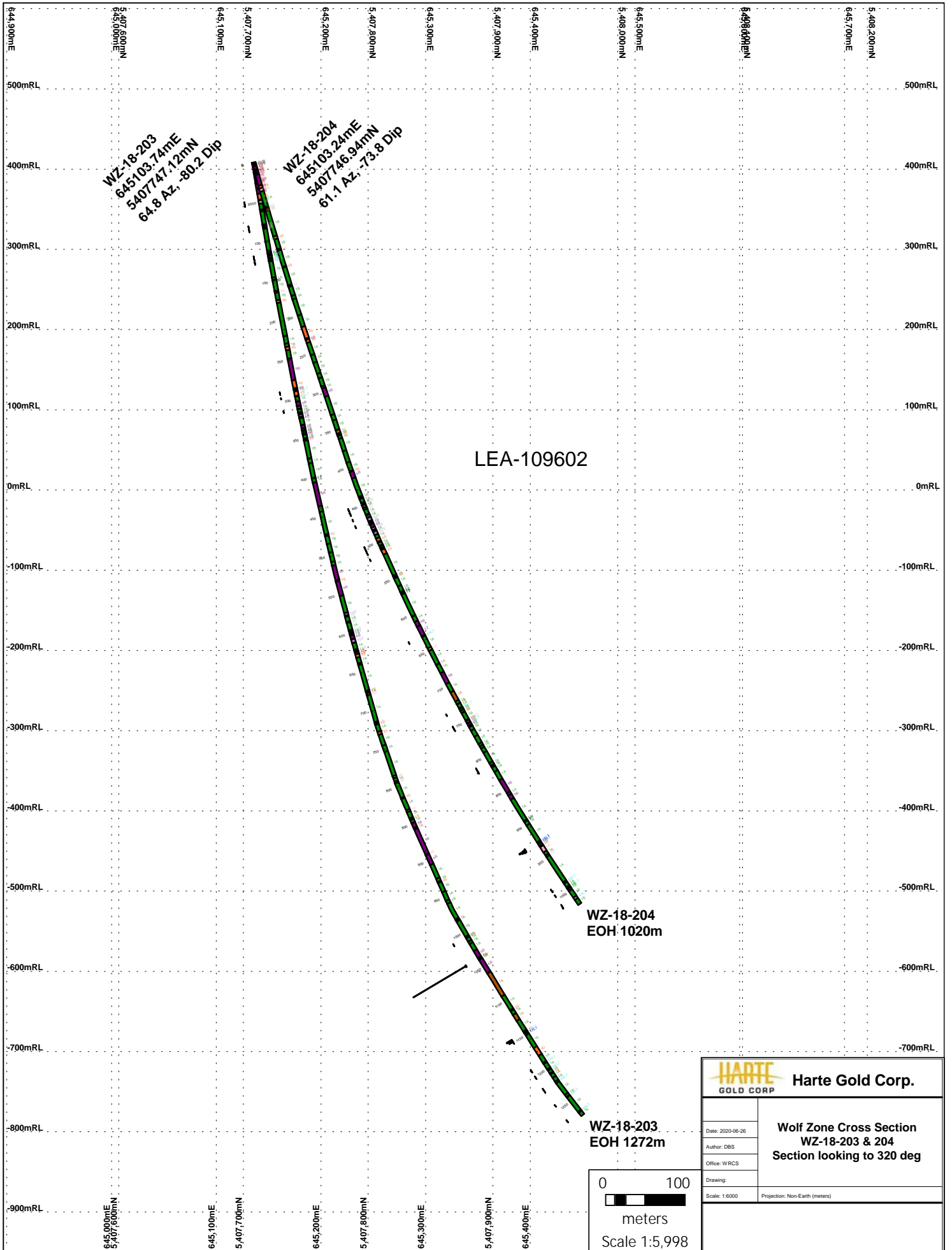
<p><b>Harte Gold Corp.</b></p>	
<p>Date: 2020-06-26</p>	<p><b>Wolf Zone Cross Section</b> <b>WZ-18-187 &amp; 187W</b> <b>Section looking to 320 deg</b></p>
<p>Author: DBS</p>	
<p>Office: WRCS</p>	
<p>Drawing:</p>	<p>Projection: Non-Earth (meters)</p>
<p>Scale: 1:5000</p>	





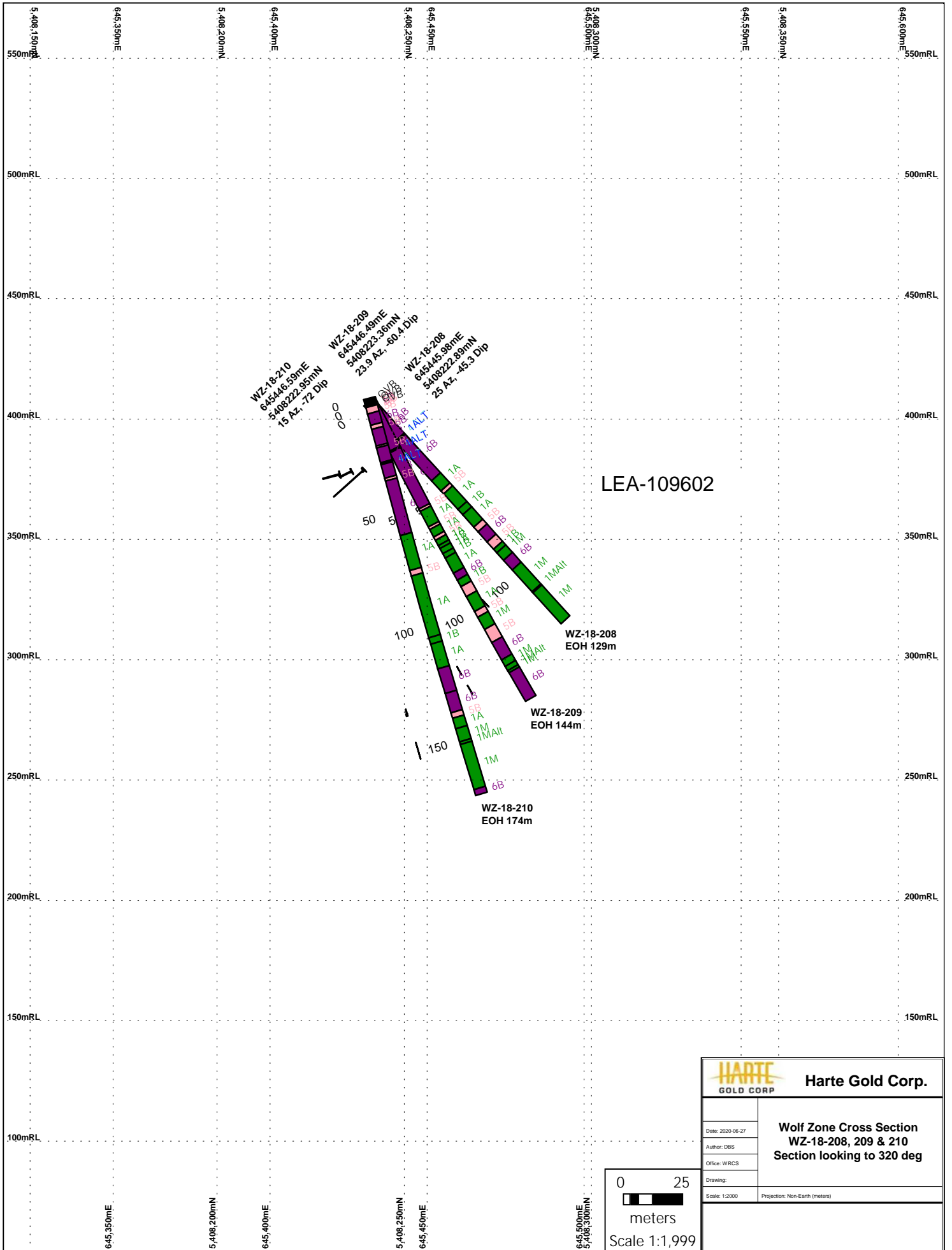


<b>Harte Gold Corp.</b>	
<b>Wolf Zone Cross Section</b> <b>WZ-18-197, 197W &amp; 197W2</b> <b>Section looking to 320 deg</b>	
Date: 2020-06-26	Projection: Non-Earth (meters)
Author: DBS	
Office: WRCS	
Scale: 1:7000	Drawing:

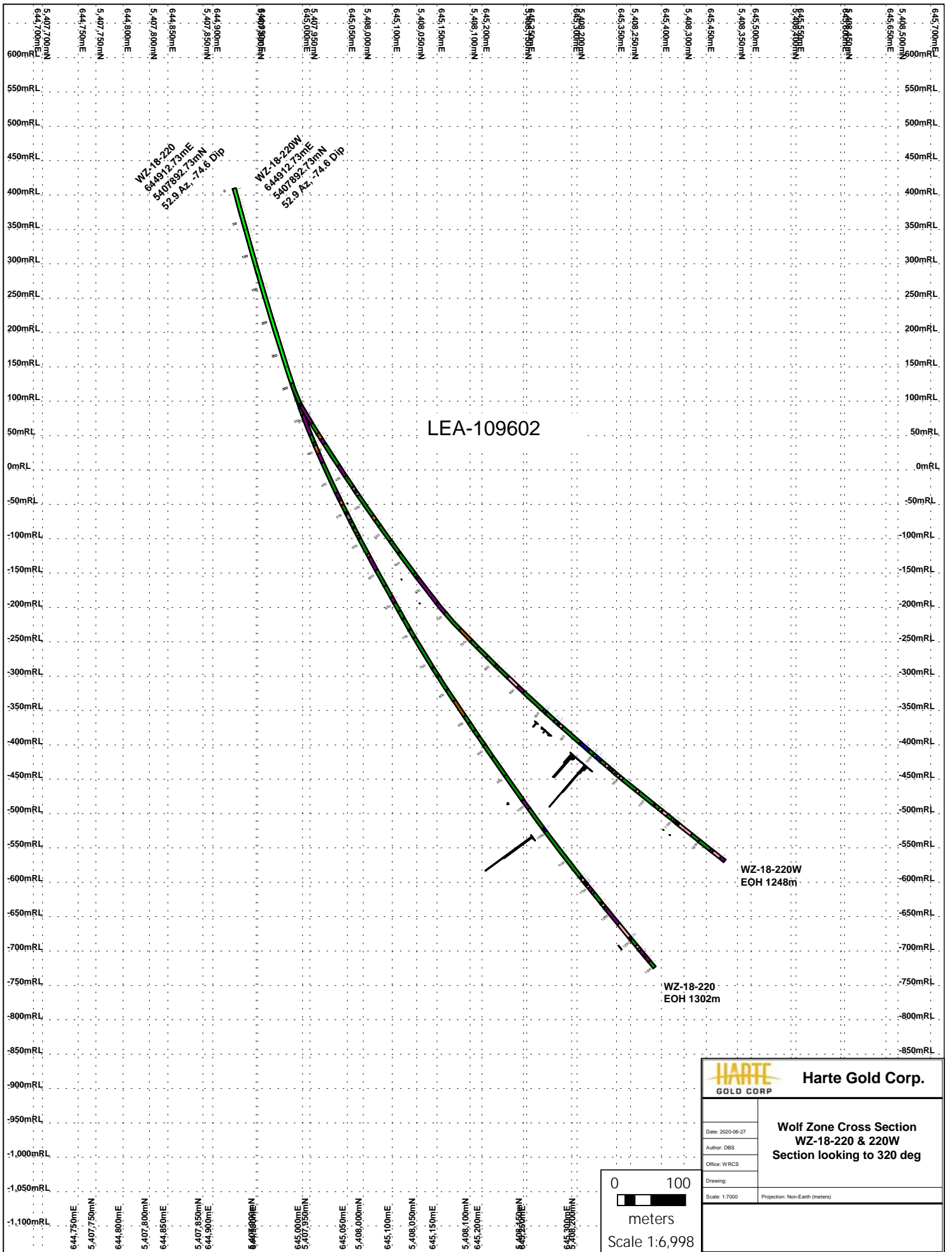


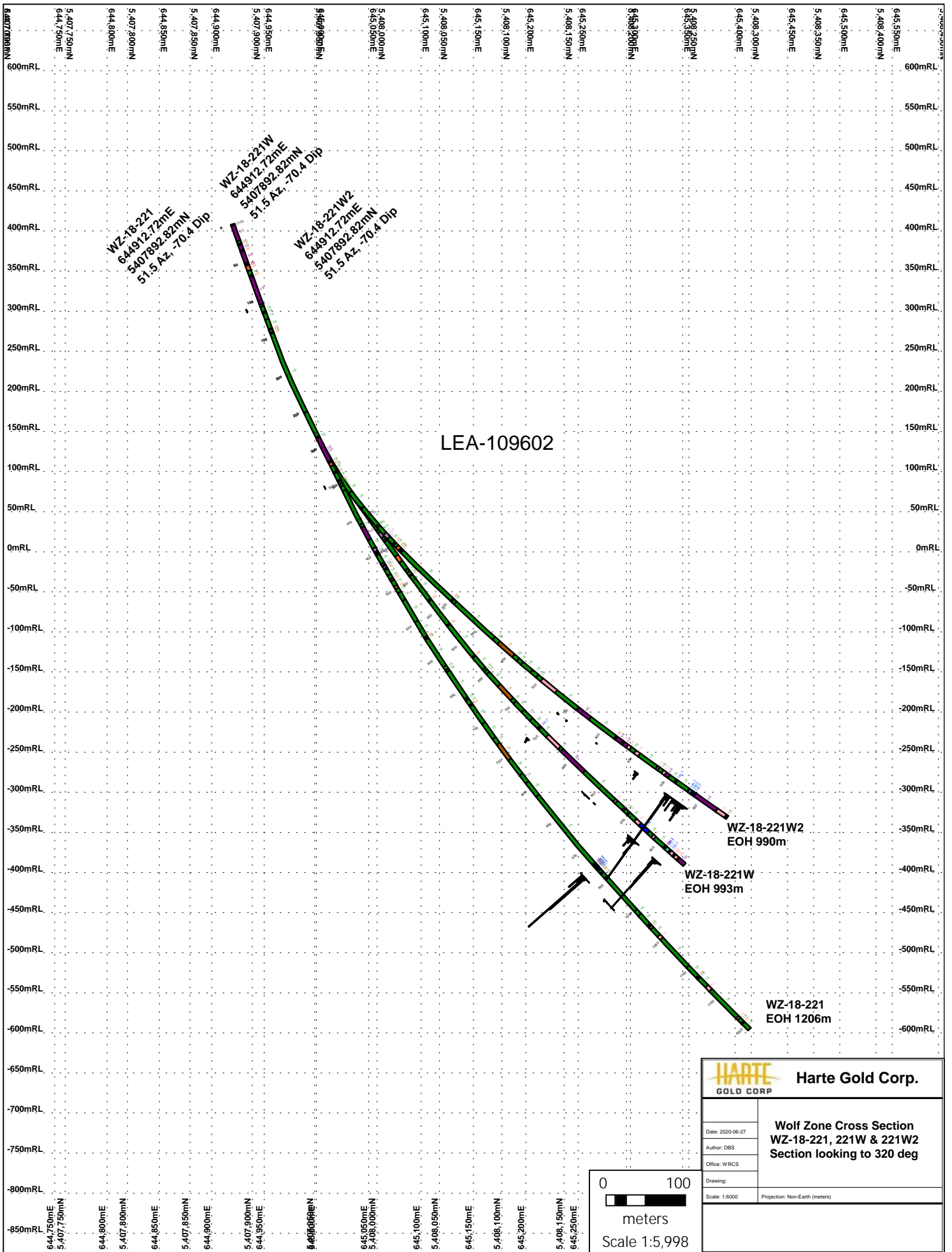
<b>HARTE</b> GOLD CORP		<b>Harte Gold Corp.</b>	
Date: 2020-06-26		<b>Wolf Zone Cross Section</b> <b>WZ-18-203 &amp; 204</b> <b>Section looking to 320 deg</b>	
Author: DBS			
Office: WRCS			
Drawing:		Projection: Non-Earth (meters)	

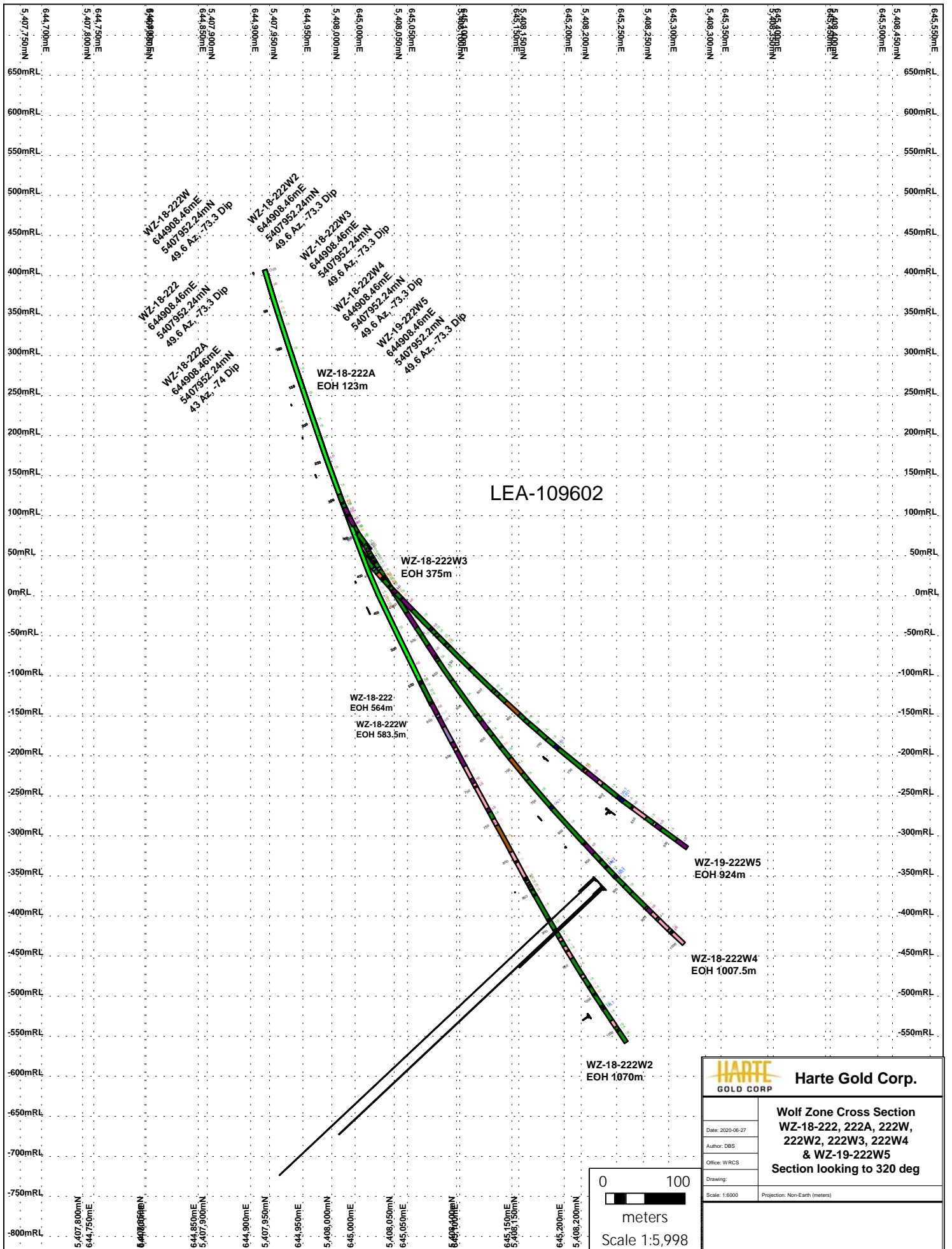


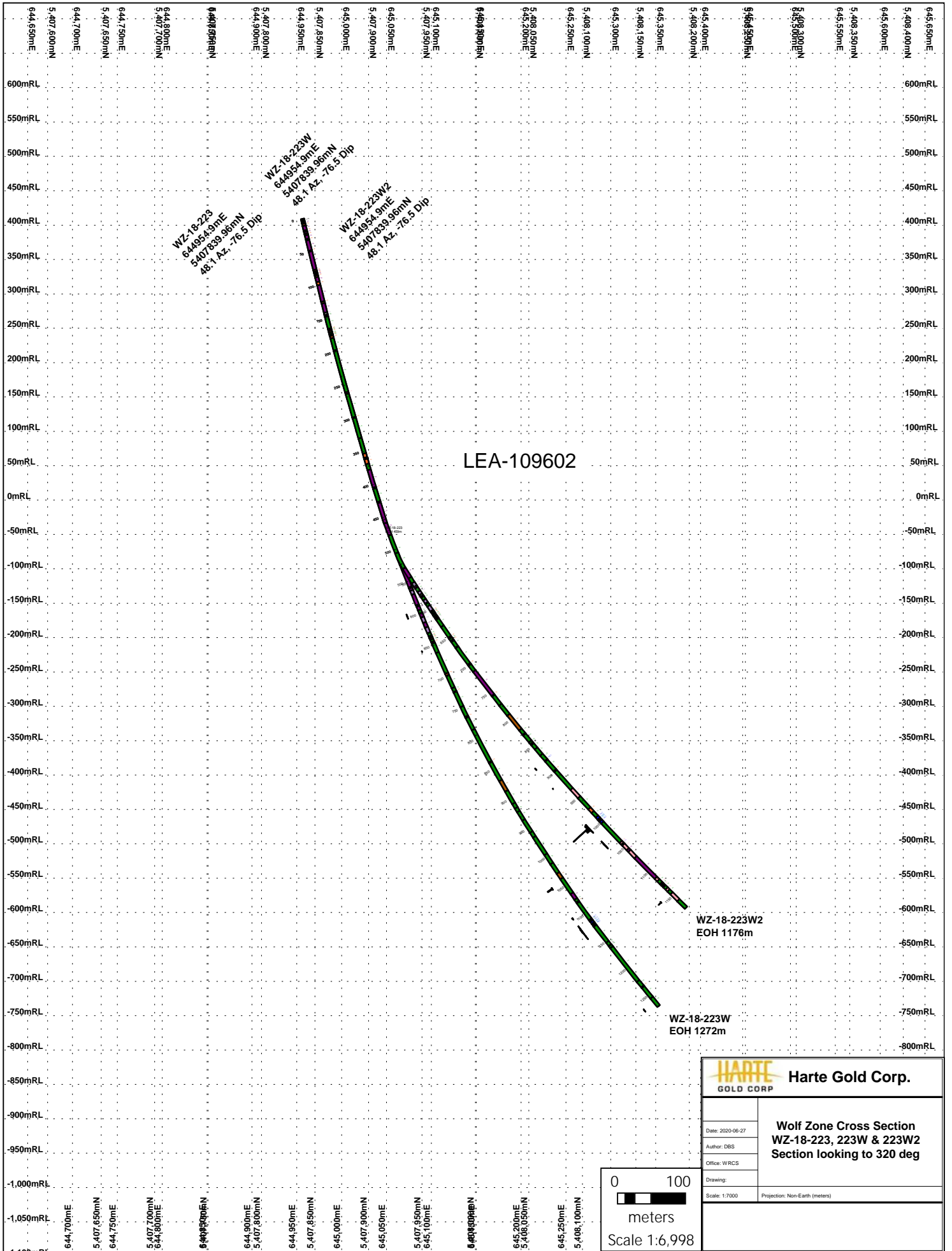


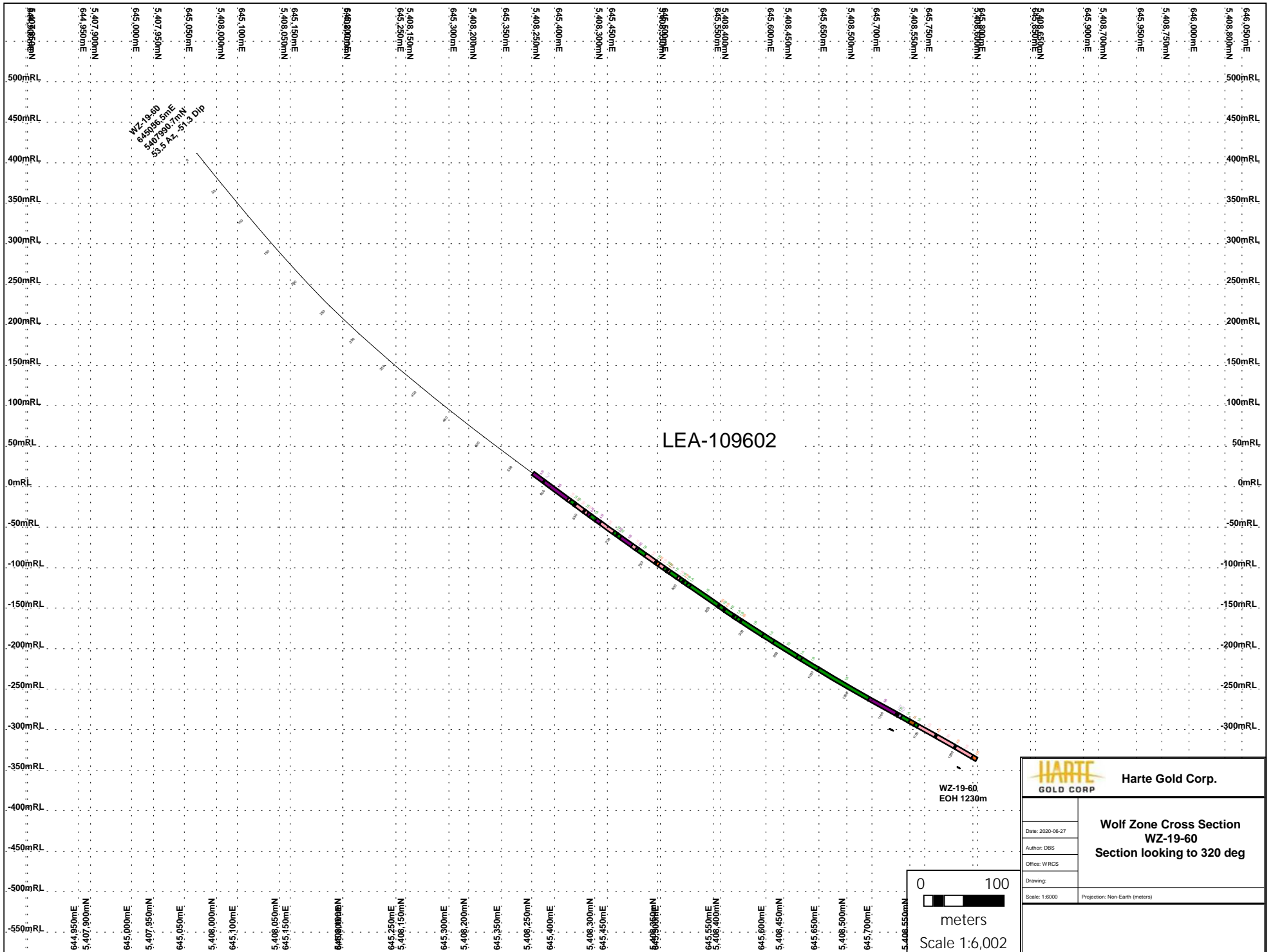


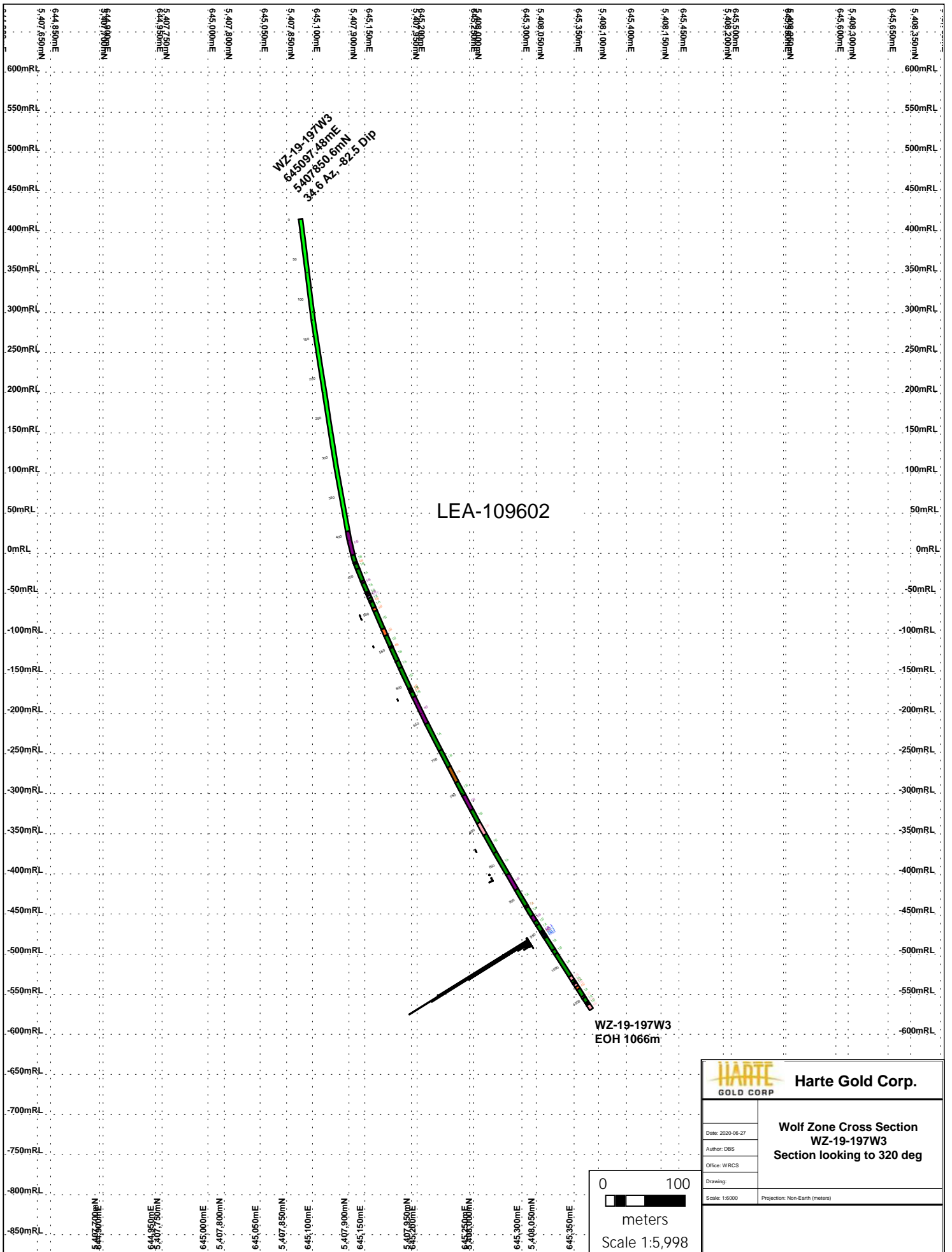


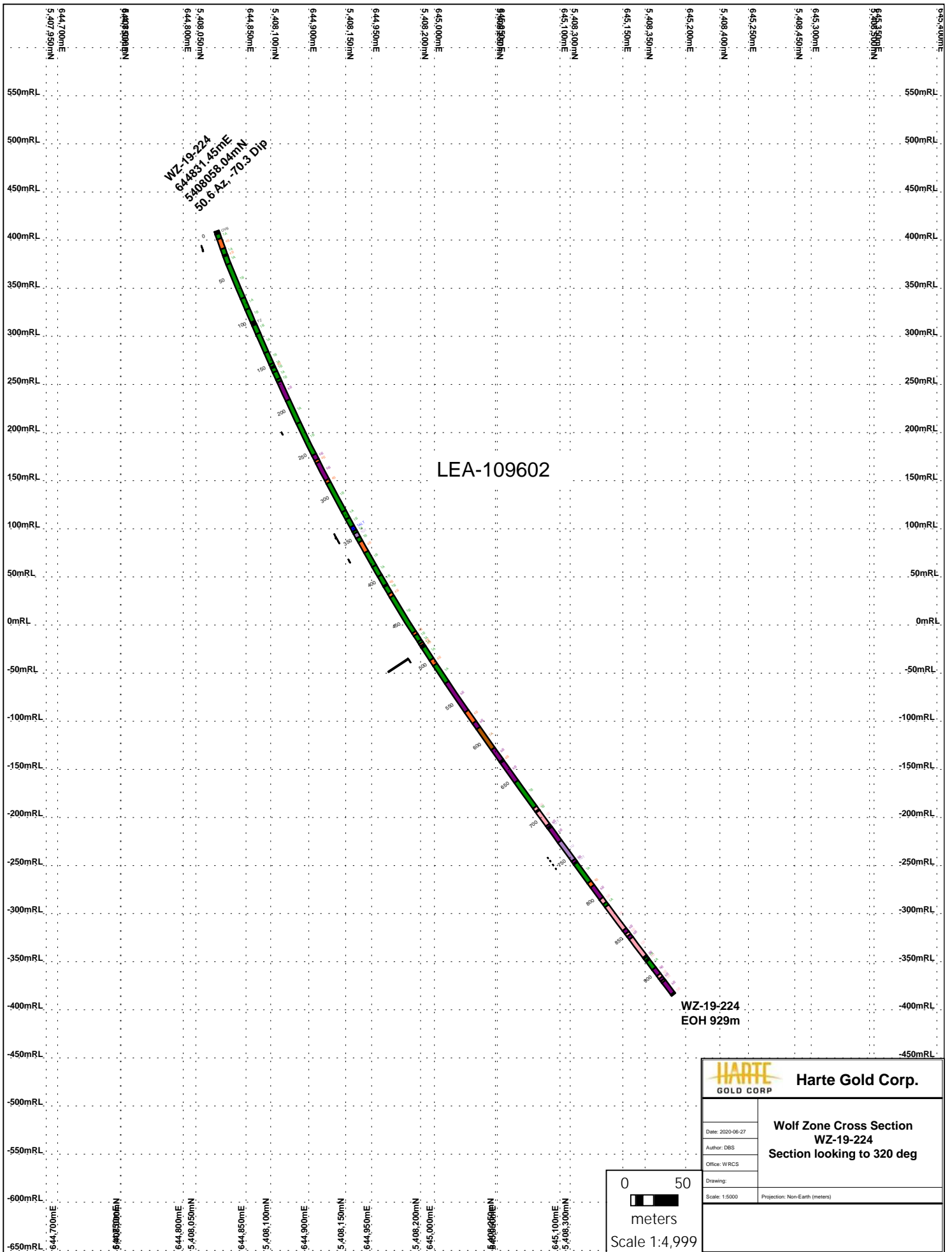


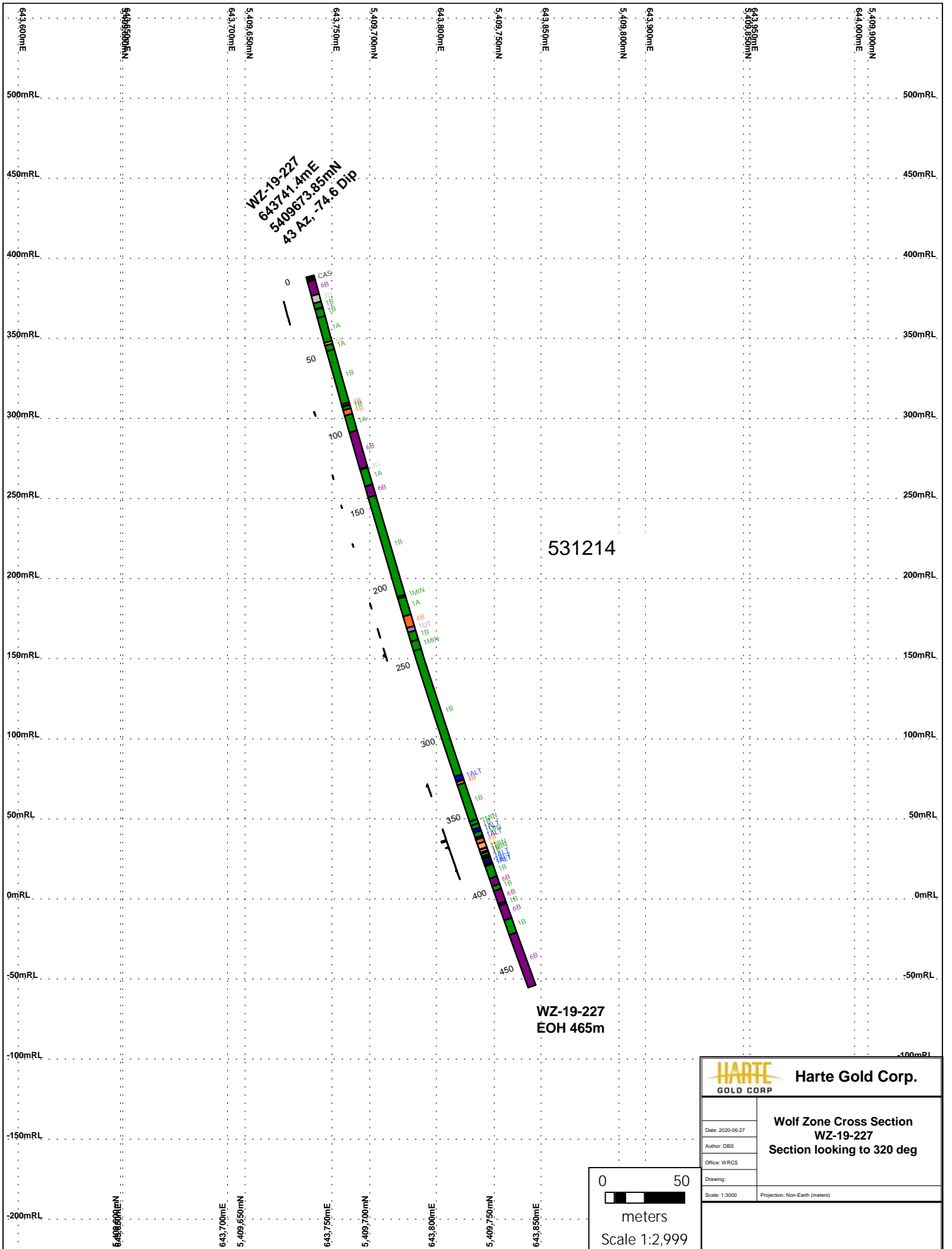











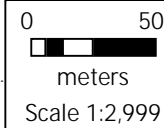


WZ-19-227  
 643741.4mE  
 5409673.85mN  
 43 Az, -74.6 Dip

531214

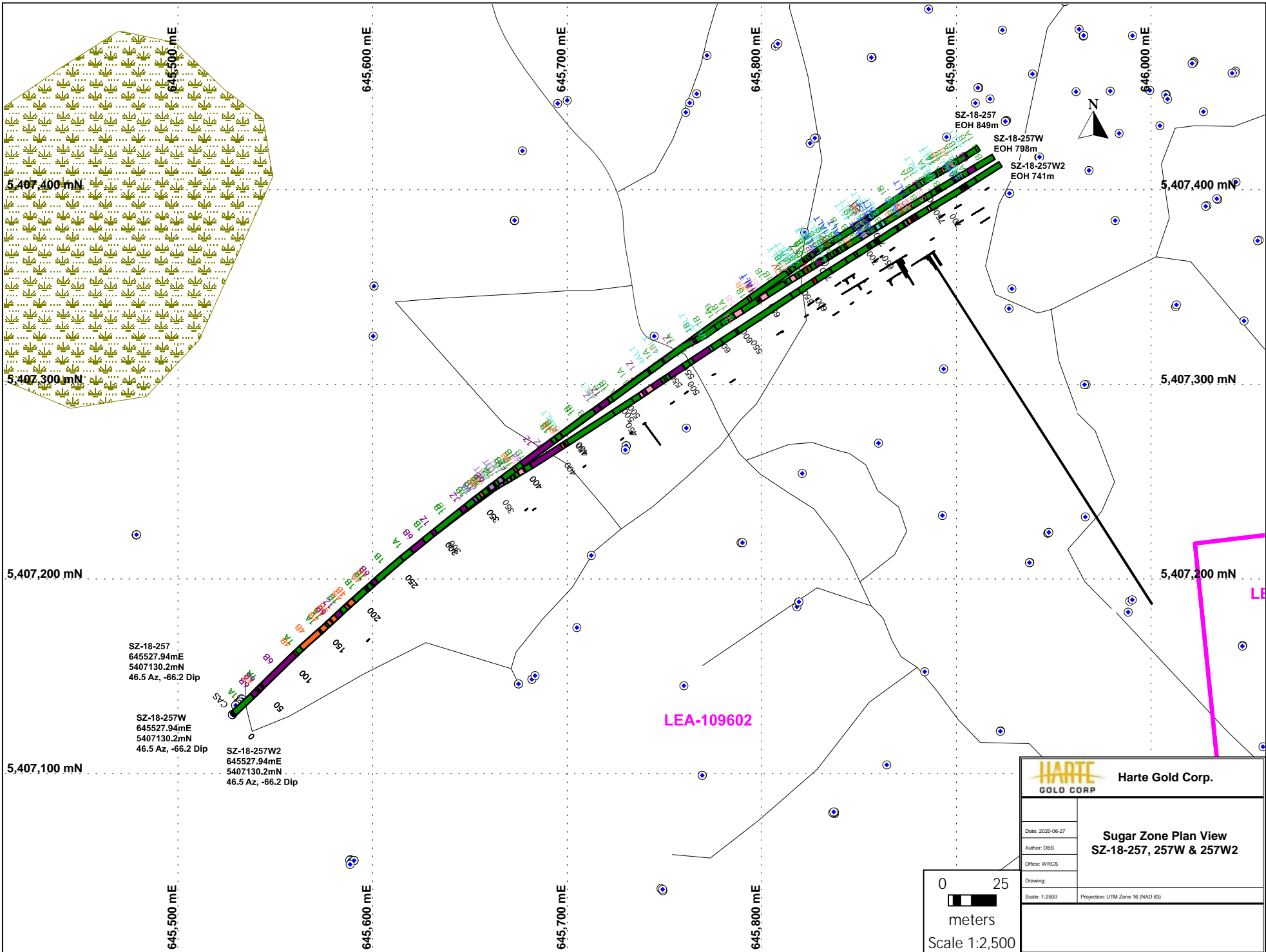
WZ-19-227  
 EOH 465m

 <b>Harte Gold Corp.</b>	
<b>Wolf Zone Cross Section</b> <b>WZ-19-227</b> <b>Section looking to 320 deg</b>	
Date: 2020-06-27	Author: DBS
Office: WRCS	Drawing:
Scale: 1:3000	Projection: Non-Earth (meters)





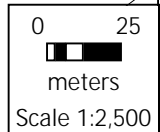
**Appendix E – Sugar & Wolf Zones – 2018-2019 Drill Hole Plans**



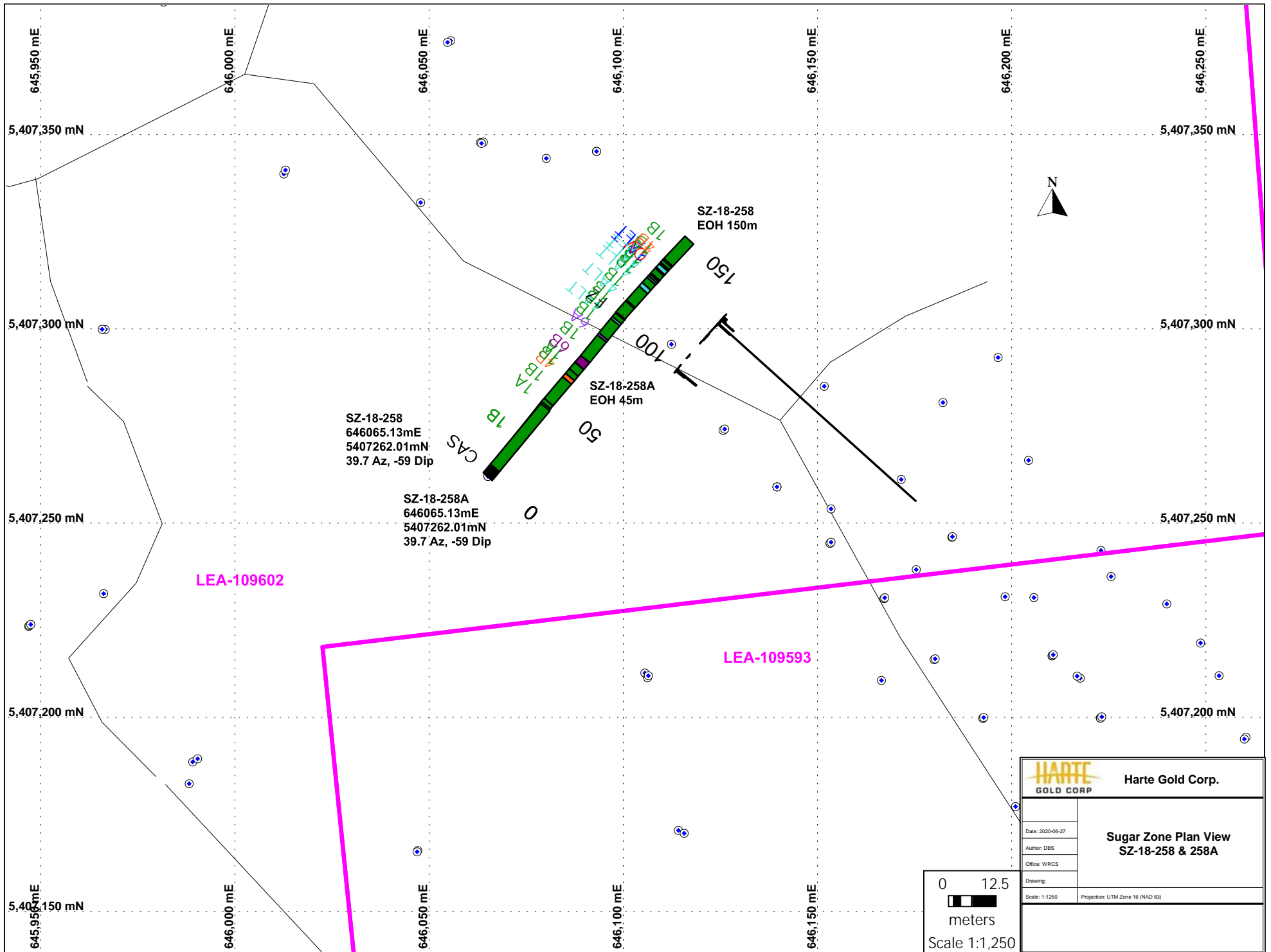
SZ-18-257  
645527.94mE  
5407130.2mN  
46.5 Az, -66.2 Dip

SZ-18-257W  
645527.94mE  
5407130.2mN  
46.5 Az, -66.2 Dip

SZ-18-257W2  
645527.94mE  
5407130.2mN  
46.5 Az, -66.2 Dip



<b>HARTE</b> GOLD CORP.		<b>Harte Gold Corp.</b>	
Date: 2020-06-27	<b>Sugar Zone Plan View SZ-18-257, 257W &amp; 257W2</b>		
Author: DBS			
Office: WRCS			
Drawing:	Scale: 1:2500    Projection: UTM Zone 18 (NAD 83)		



SZ-18-258  
 646065.13mE  
 5407262.01mN  
 39.7 Az, -59 Dip

SZ-18-258A  
 646065.13mE  
 5407262.01mN  
 39.7 Az, -59 Dip

SZ-18-258  
 EOH 150m

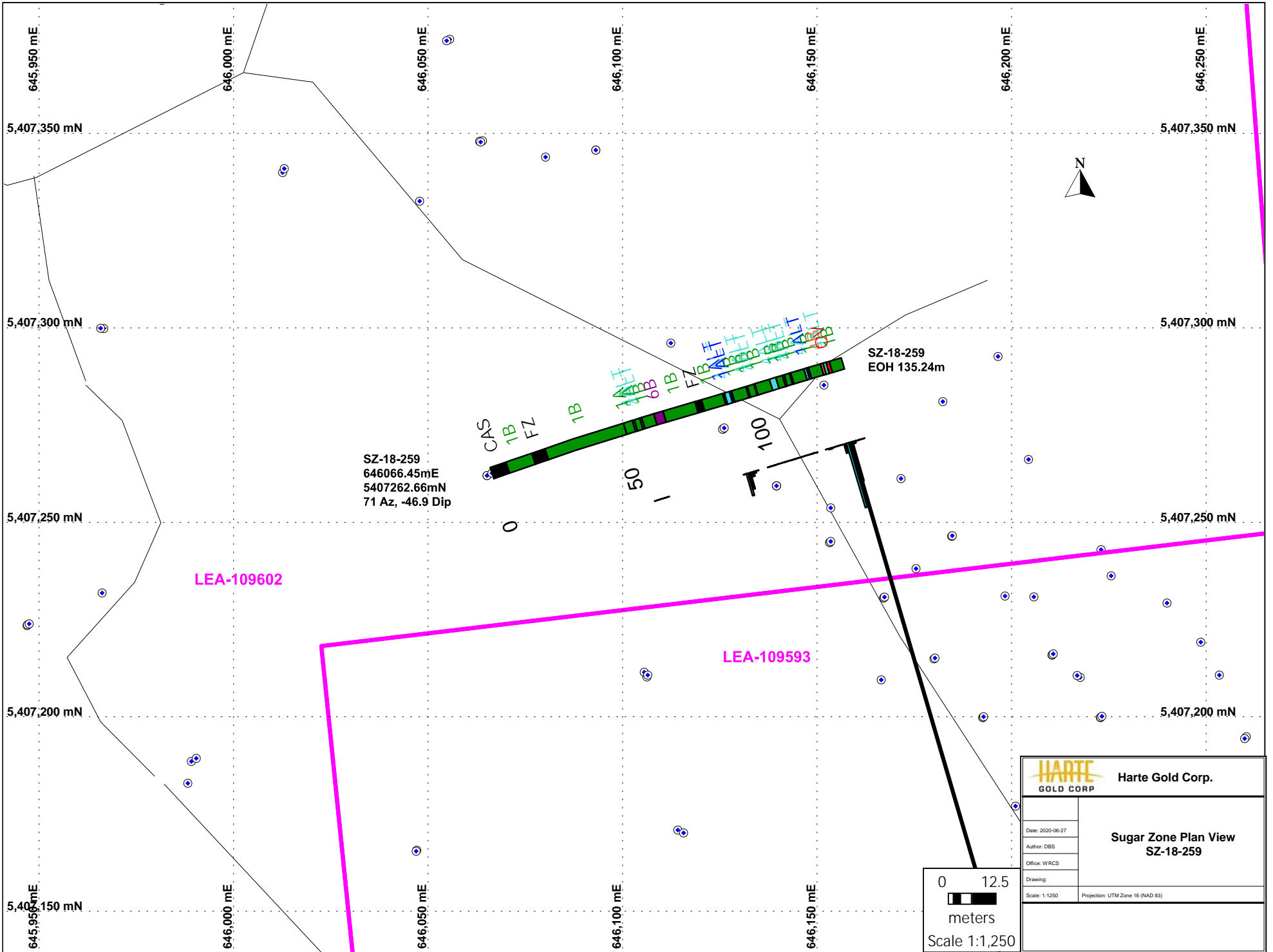
SZ-18-258A  
 EOH 45m

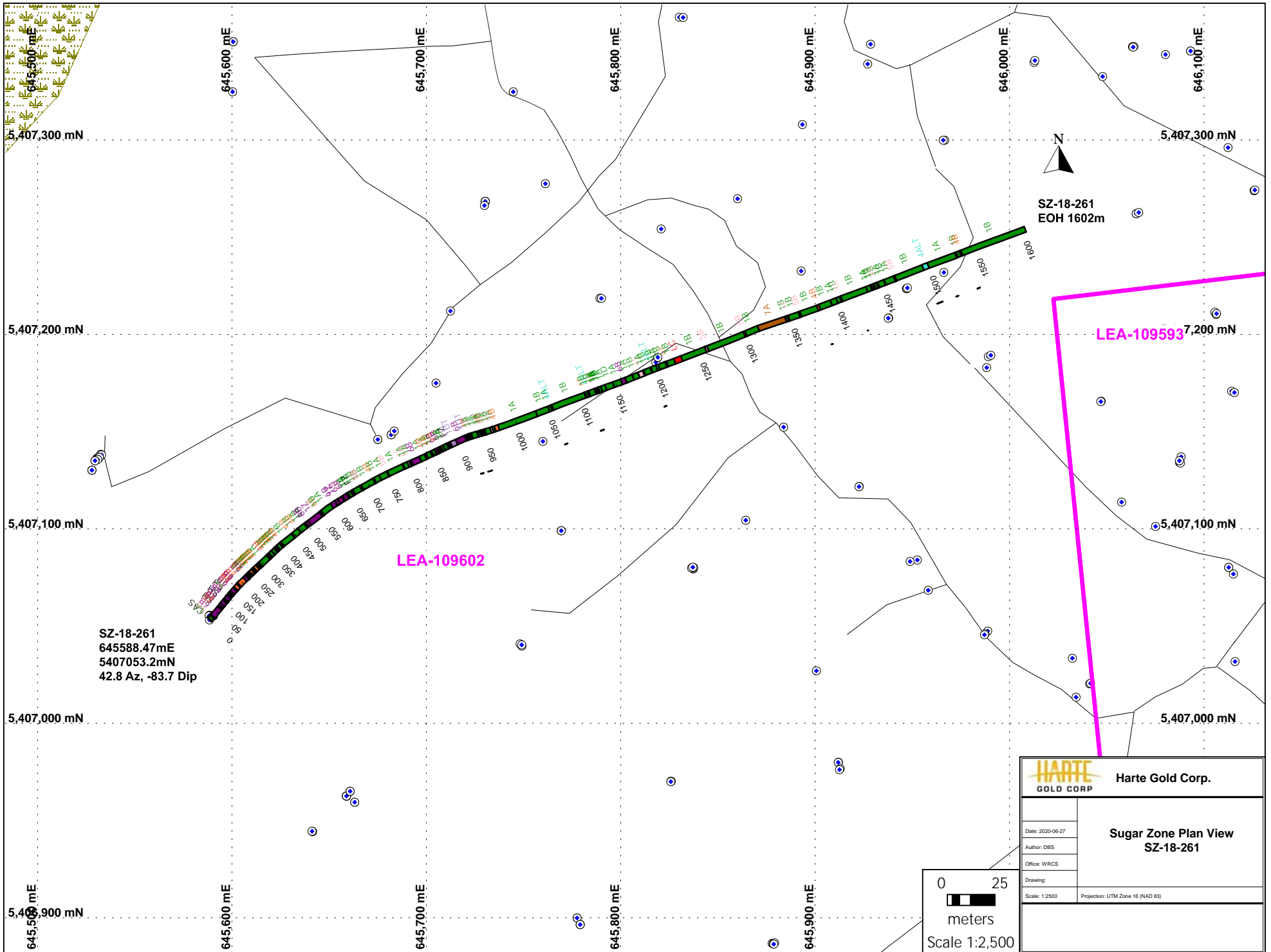
LEA-109602

LEA-109593

 <b>Harte Gold Corp.</b>	
Date: 2020-06-27 Author: DBS Office: WRCS Drawing:	<b>Sugar Zone Plan View          SZ-18-258 &amp; 258A</b>
Scale: 1:1250 Projection: UTM Zone 16 (NAD 83)	

0 125  
 meters  
 Scale 1:1,250




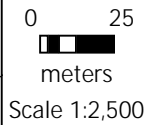


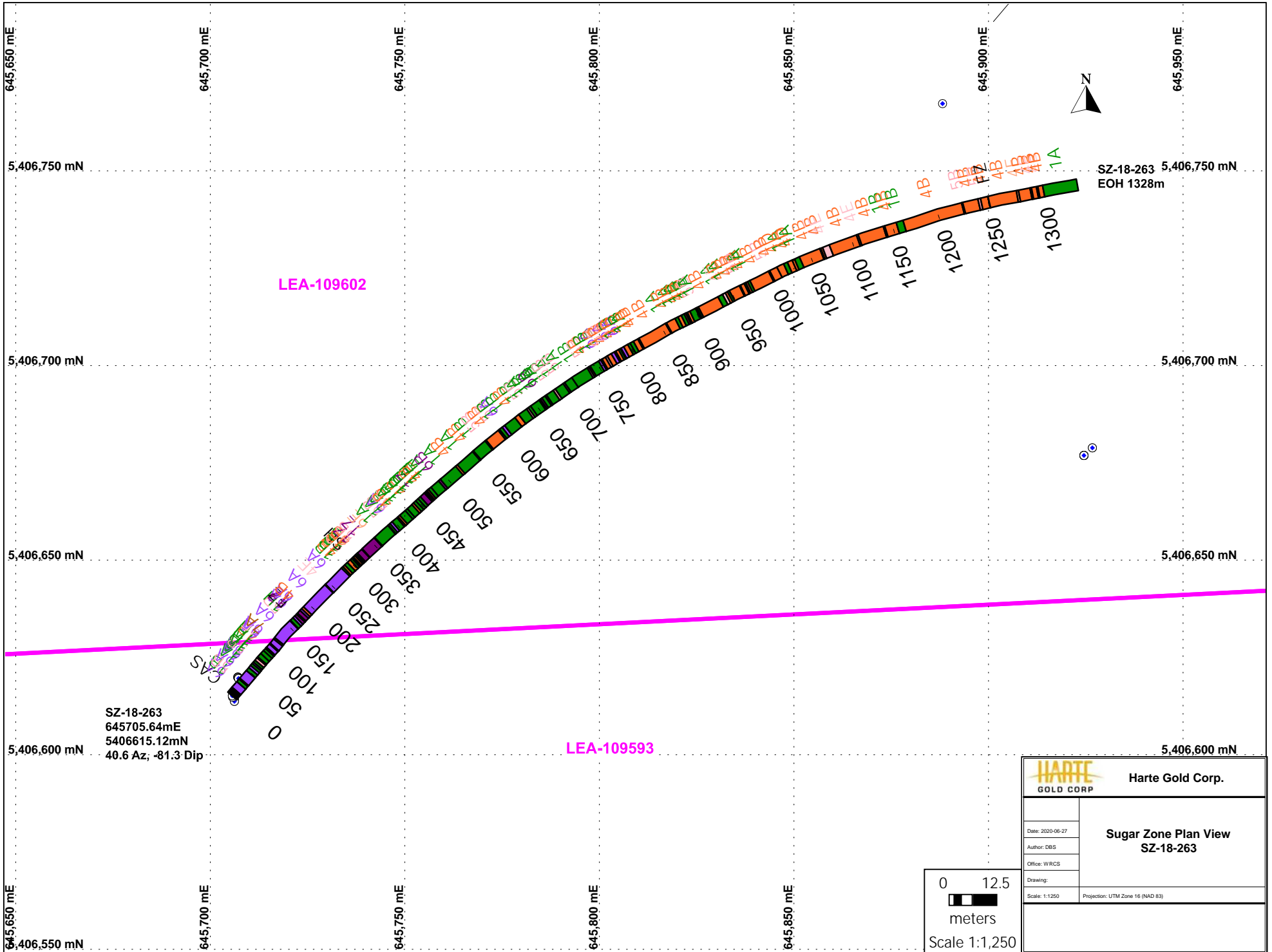
SZ-18-261  
 645588.47mE  
 5407053.2mN  
 42.8 Az, -83.7 Dip

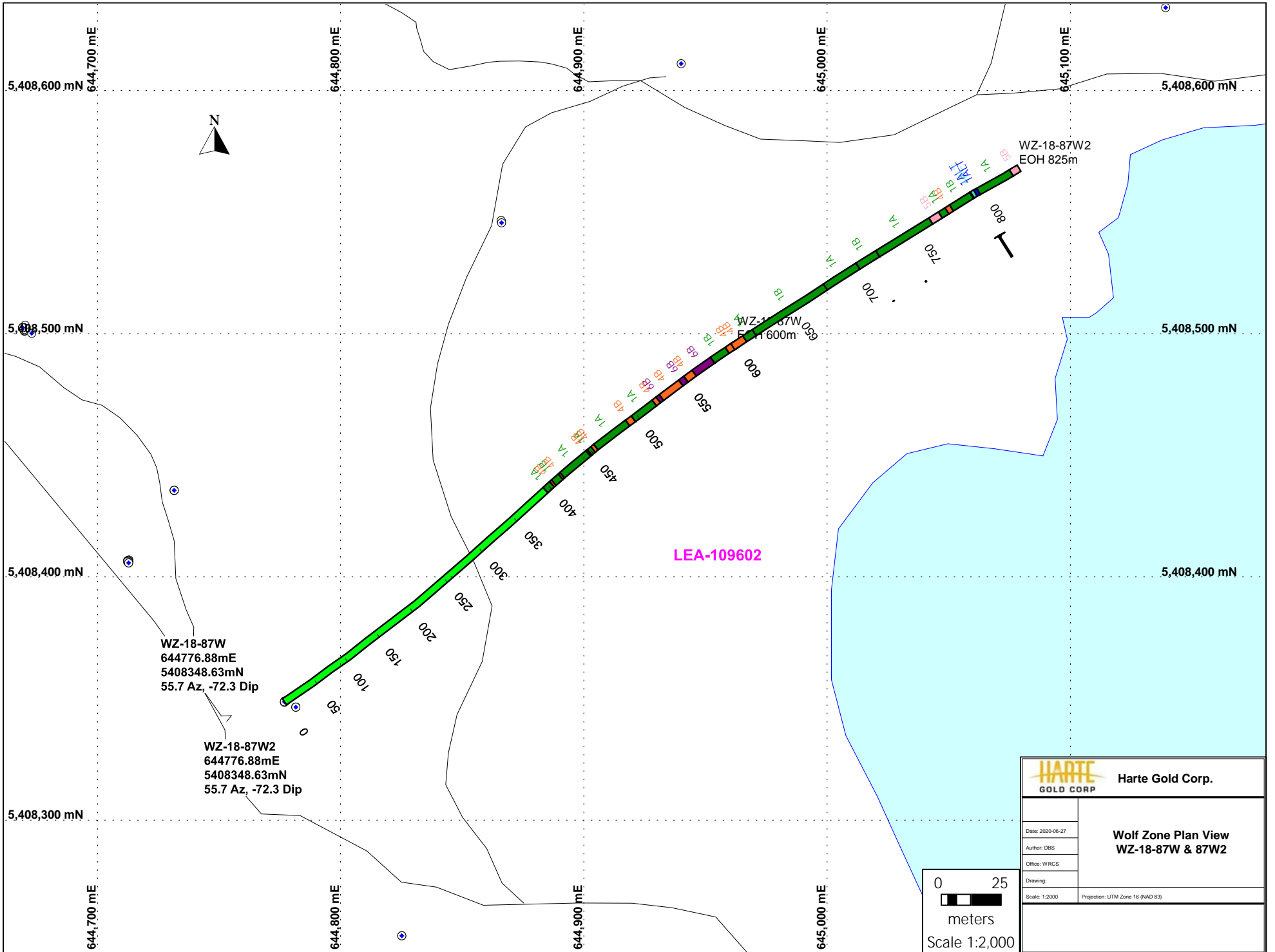
LEA-109602

LEA-109593

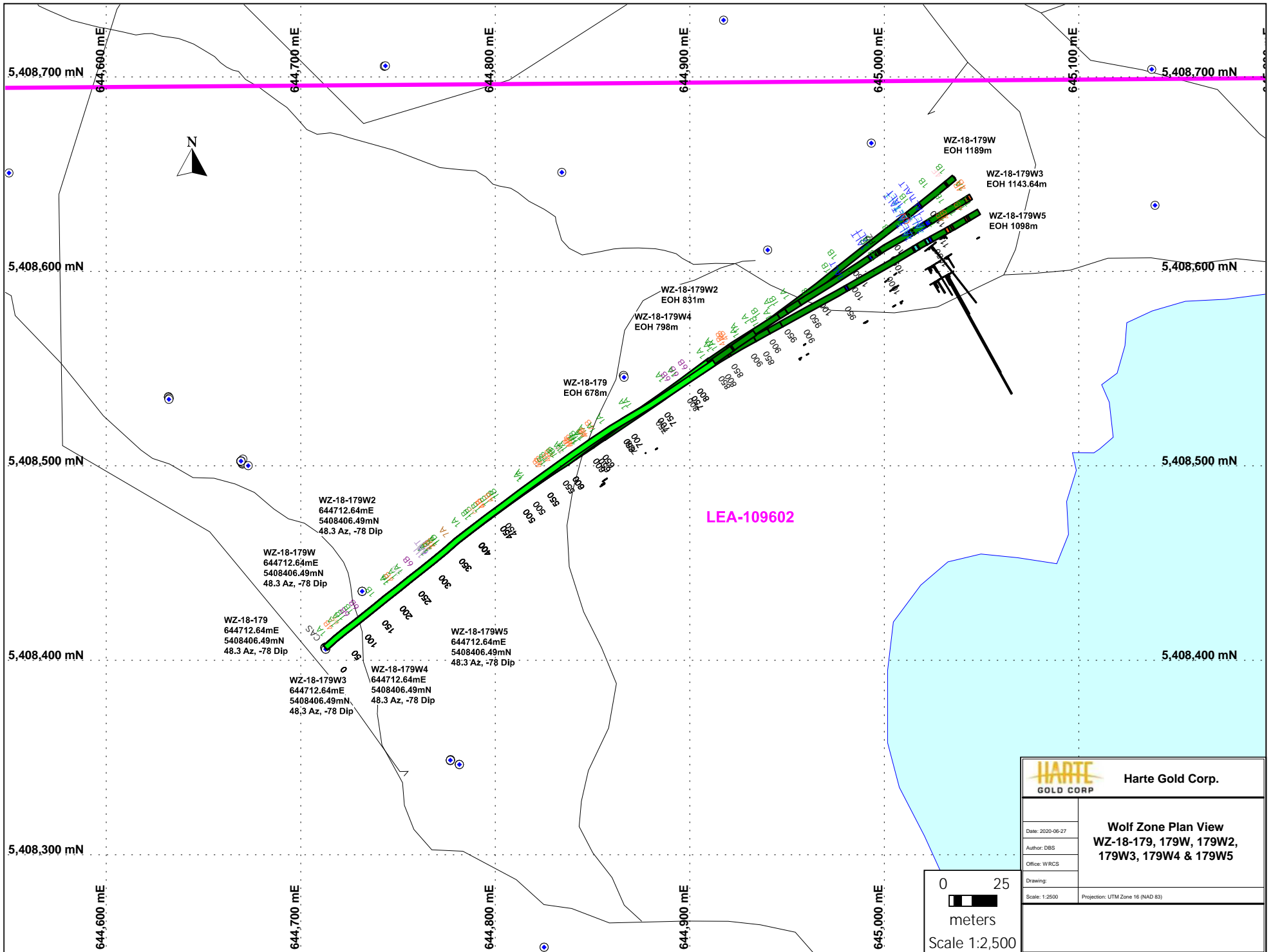
 <b>Harte Gold Corp.</b>	
Date: 2020-06-27 Author: DBS Office: WRCS Drawing: Scale: 1:2500 Projection: UTM Zone 16 (NAD 83)	<b>Sugar Zone Plan View          SZ-18-261</b>






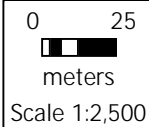


<b>HARTE</b> GOLD CORP.		Harte Gold Corp.	
Date: 2020-06-27	<b>Wolf Zone Plan View</b> <b>WZ-18-87W &amp; 87W2</b>		
Author: DBS			
Office: WRCS			
Drawing:			
Scale: 1:2000	Projection: UTM Zone 16 (NAD 83)		

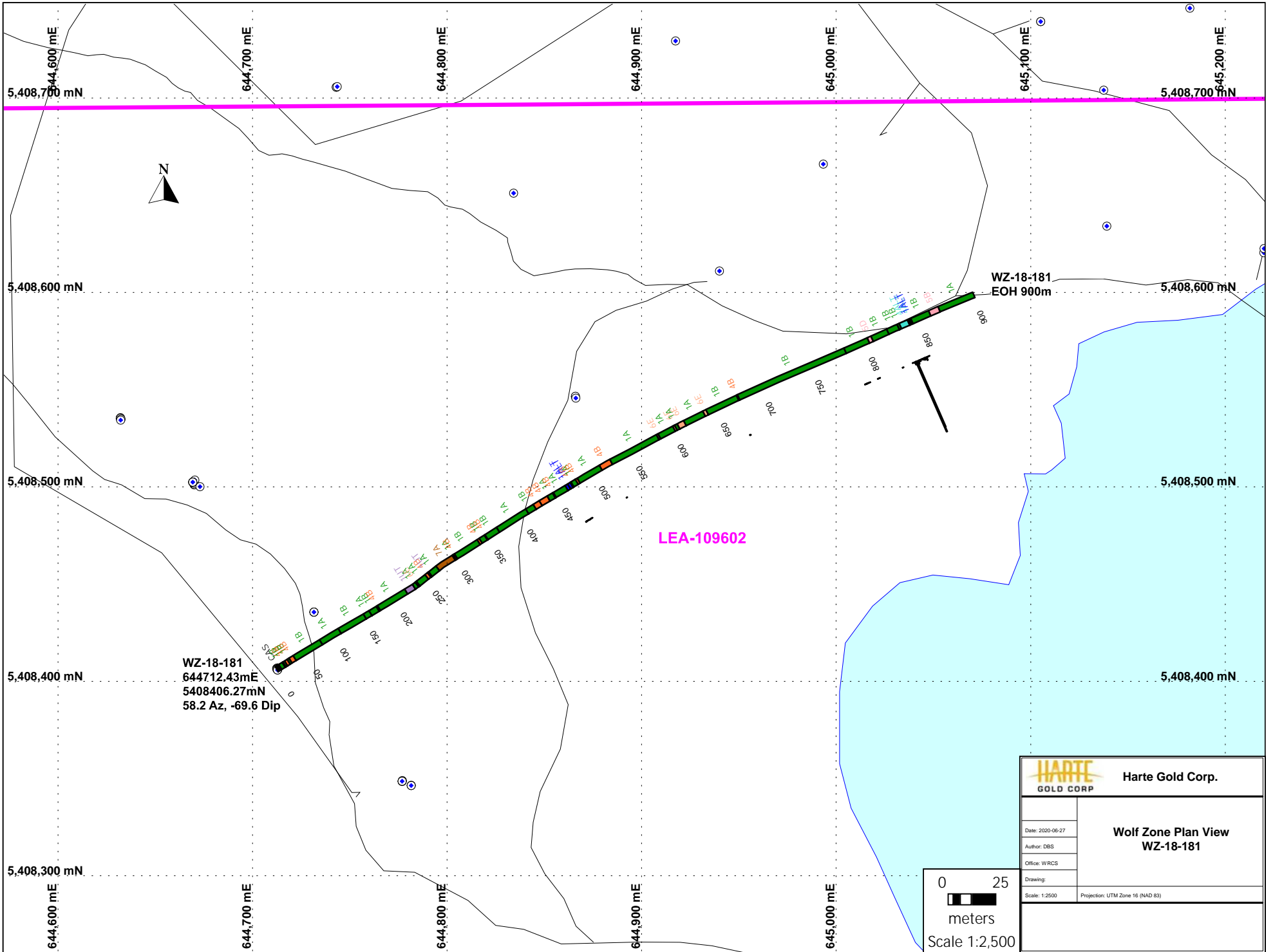


LEA-109602

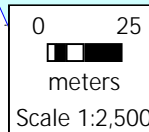
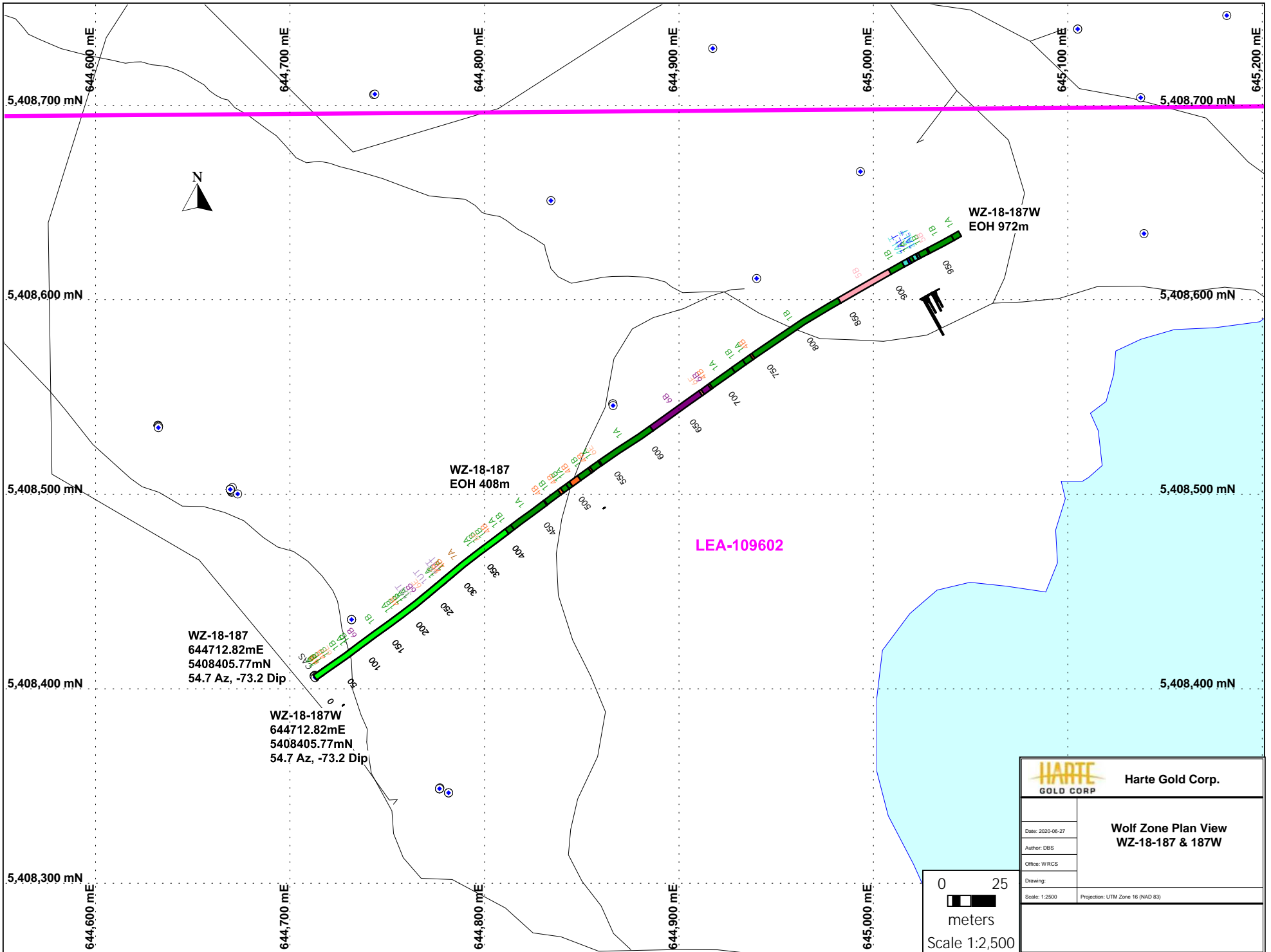
 <b>Harte Gold Corp.</b>	
<b>Wolf Zone Plan View</b> <b>WZ-18-179, 179W, 179W2,</b> <b>179W3, 179W4 &amp; 179W5</b>	
Date: 2020-06-27	Author: DBS
Office: WRCS	Drawing:
Scale: 1:2500	Projection: UTM Zone 16 (NAD 83)







 <b>Harte Gold Corp.</b>	
Date: 2020-06-27	<b>Wolf Zone Plan View WZ-18-181</b>
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:2500	Projection: UTM Zone 18 (NAD 83)



 <b>Harte Gold Corp.</b>	
Date: 2020-06-27 Author: DBS Office: WRCS Drawing: Scale: 1:2500    Projection: UTM Zone 18 (NAD 83)	<b>Wolf Zone Plan View</b> <b>WZ-18-187 &amp; 187W</b>

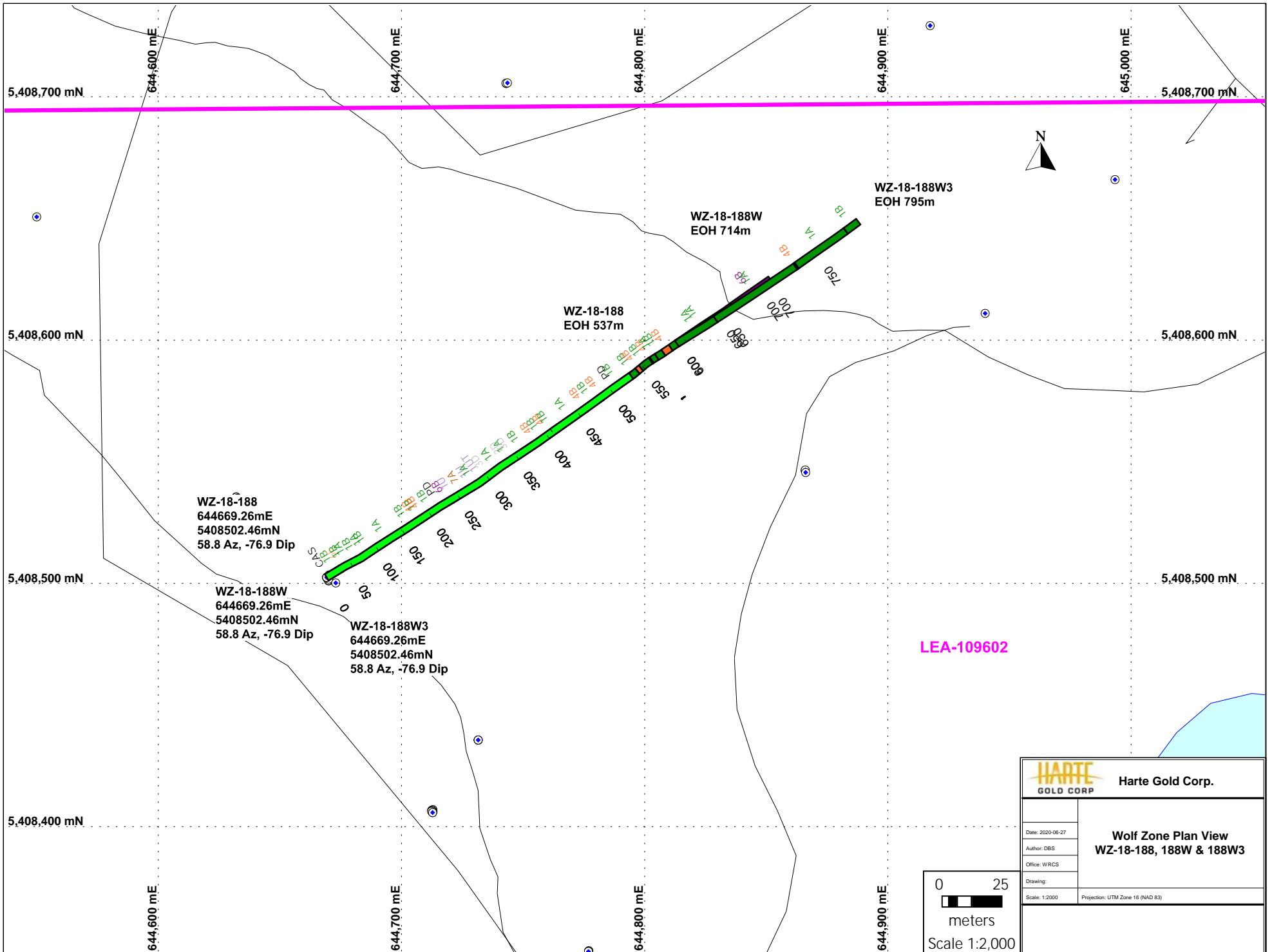
**WZ-18-187**  
 644712.82mE  
 5408405.77mN  
 54.7 Az, -73.2 Dip

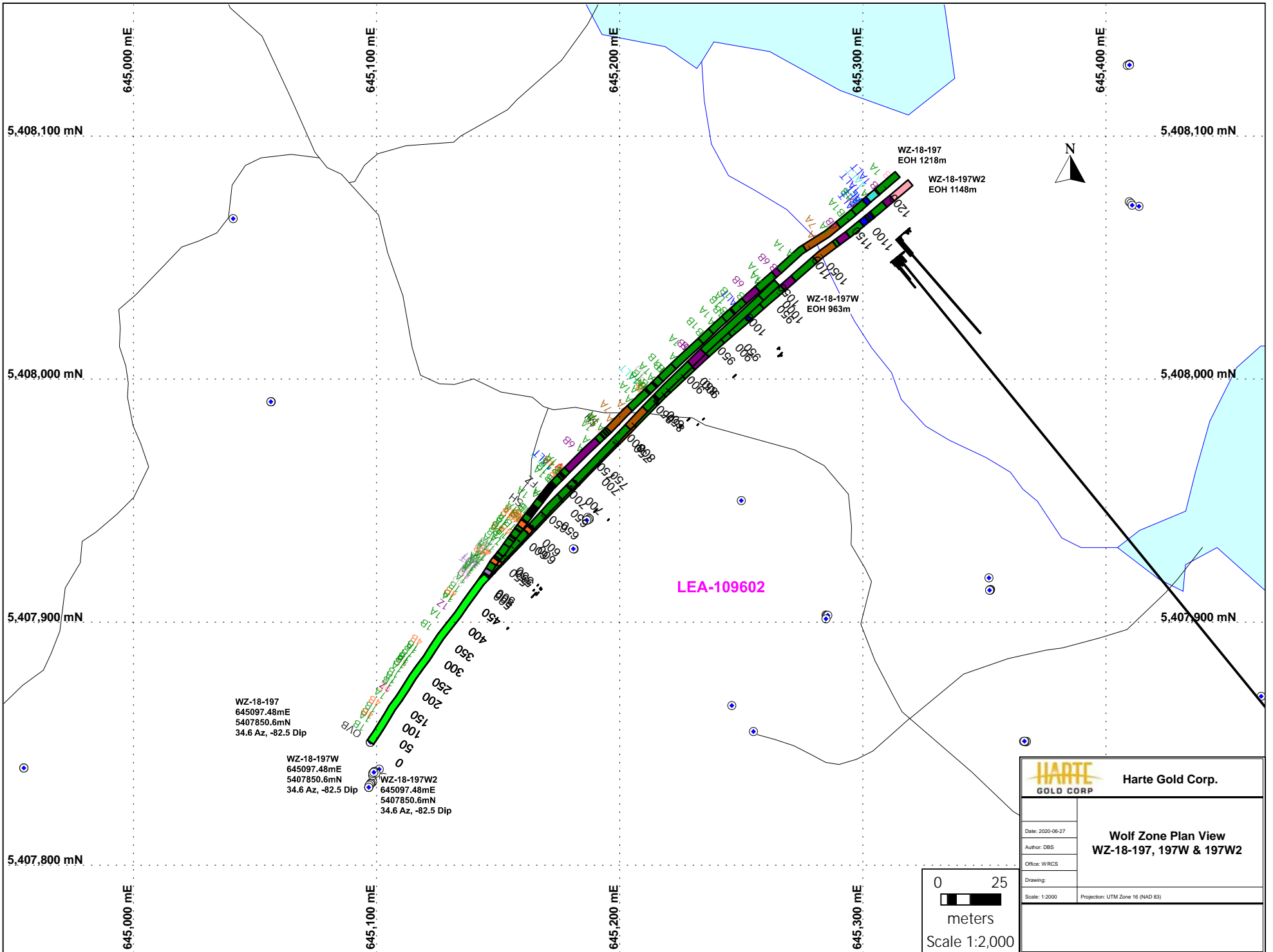
**WZ-18-187W**  
 644712.82mE  
 5408405.77mN  
 54.7 Az, -73.2 Dip


**WZ-18-187**  
 EOH 408m

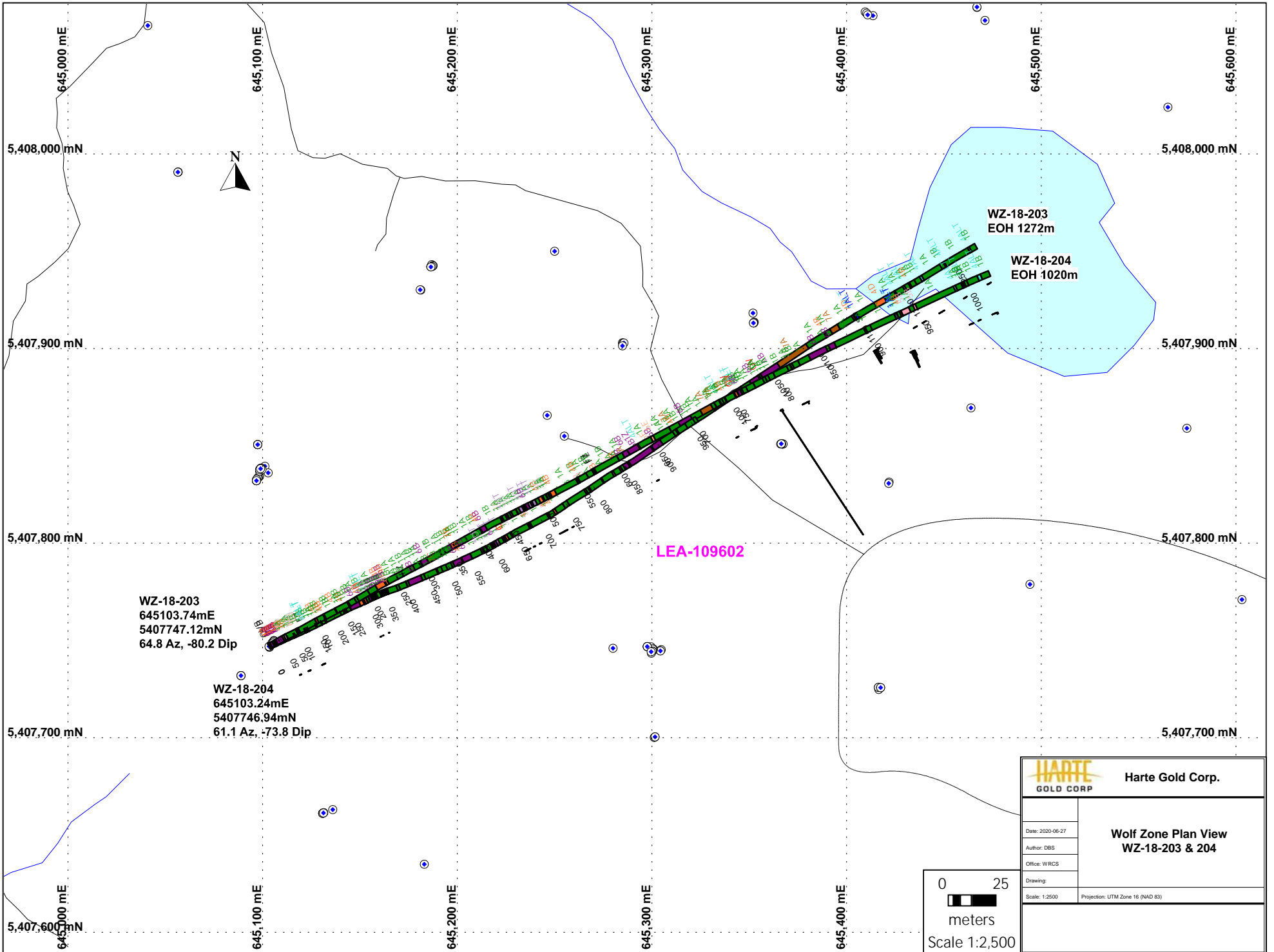
**WZ-18-187W**  
 EOH 972m

LEA-109602

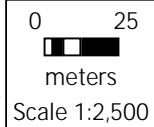


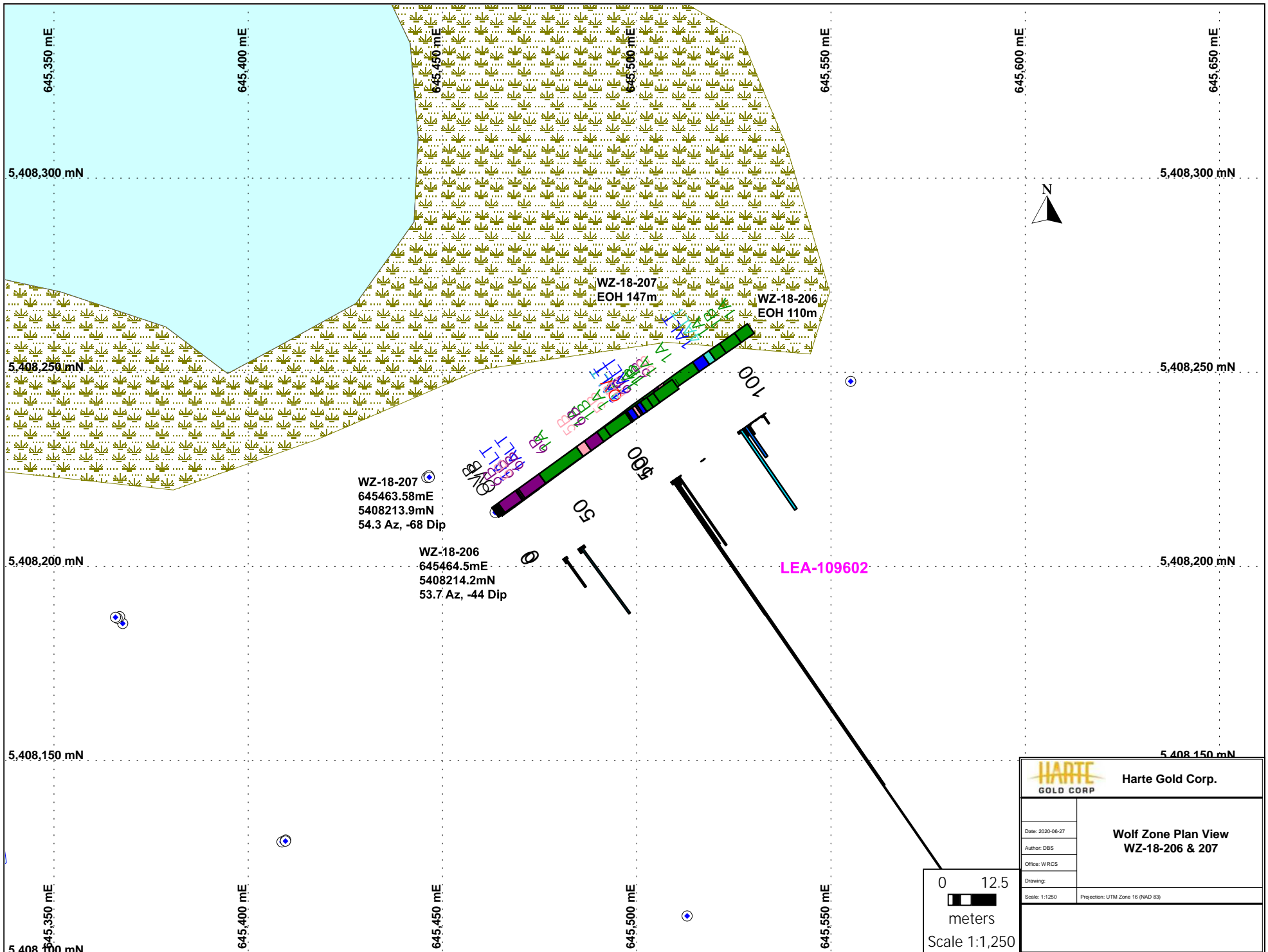


 <b>Harte Gold Corp.</b>	
<b>Wolf Zone Plan View</b> <b>WZ-18-197, 197W &amp; 197W2</b>	
Date: 2020-06-27	Author: DBS
Office: WRCS	Drawing:
Scale: 1:2000	Projection: UTM Zone 16 (NAD 83)

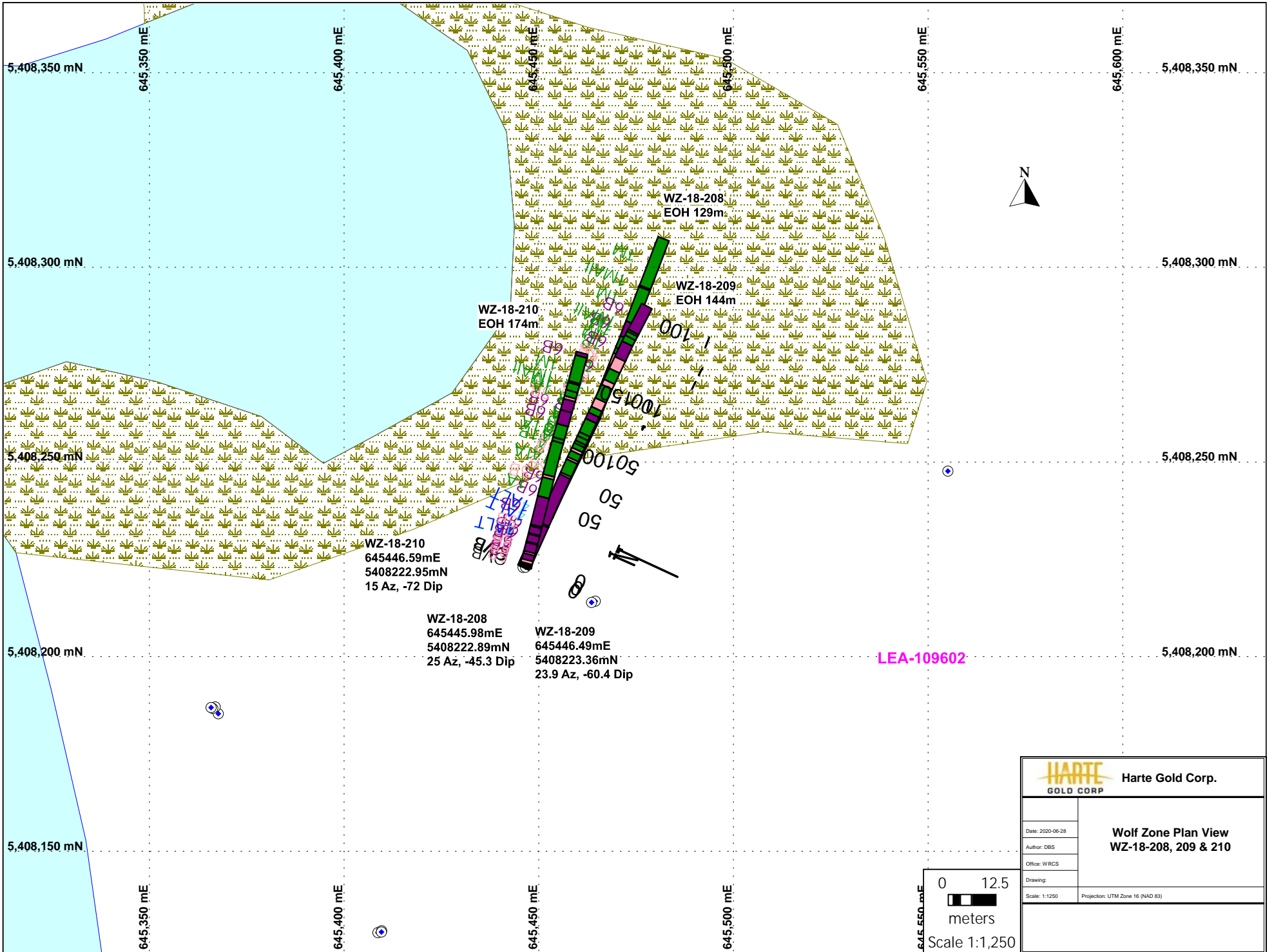


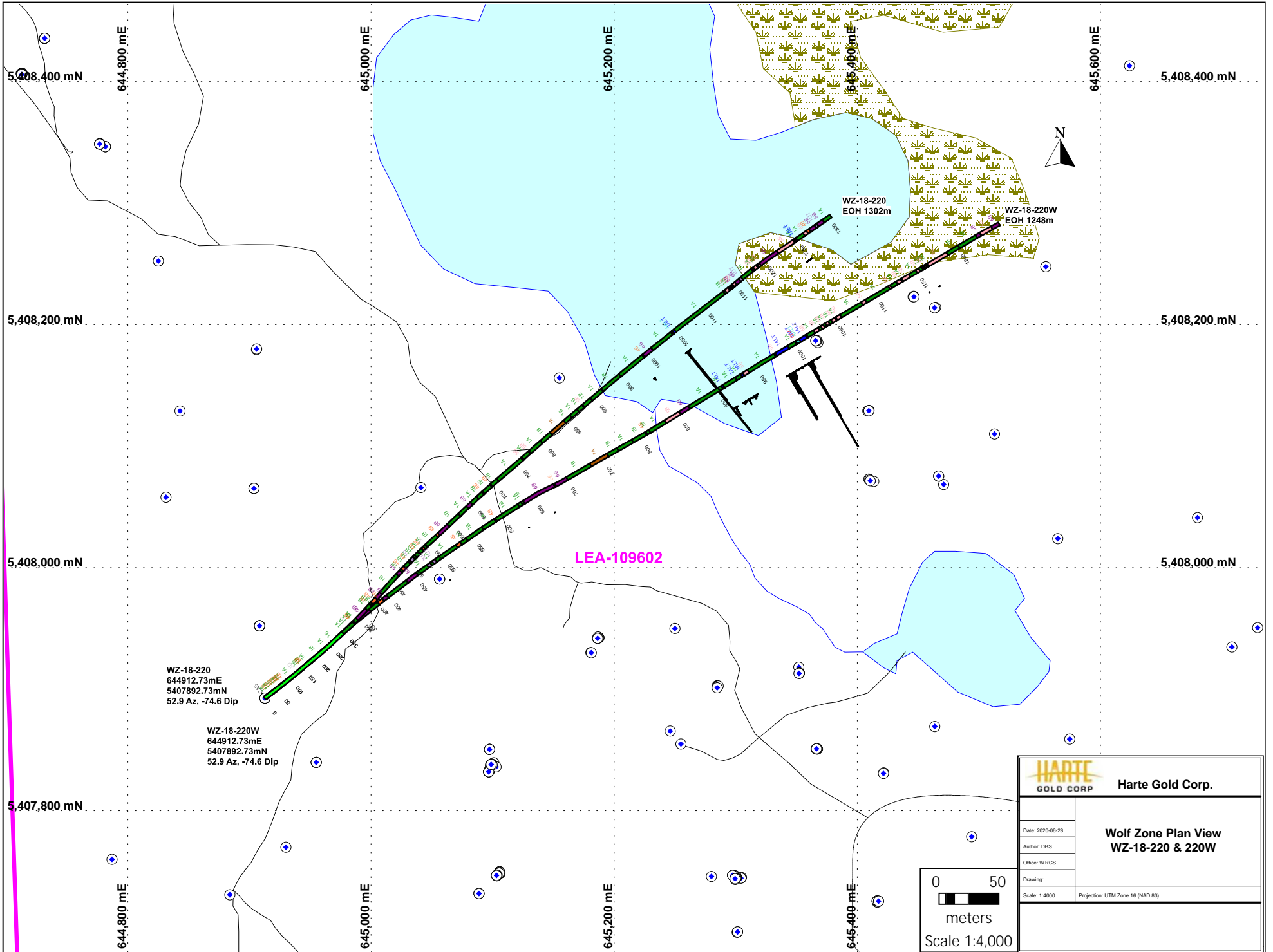
<b>HARTE</b> GOLD CORP		<b>Harte Gold Corp.</b>	
Date: 2020-06-27	<b>Wolf Zone Plan View</b> <b>WZ-18-203 &amp; 204</b>		
Author: DBS			
Office: WRCS			
Drawing:	Projection: UTM Zone 16 (NAD 83)		





		<b>Harte Gold Corp.</b>	
Date: 2020-06-27 Author: DBS Office: WRCS		<b>Wolf Zone Plan View</b> <b>WZ-18-206 &amp; 207</b>	
Scale: 1:1250    Projection: UTM Zone 16 (NAD 83)			





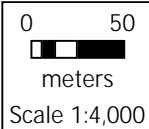
WZ-18-220  
644912.73mE  
5407892.73mN  
52.9 Az, -74.6 Dip

WZ-18-220W  
644912.73mE  
5407892.73mN  
52.9 Az, -74.6 Dip

LEA-109602

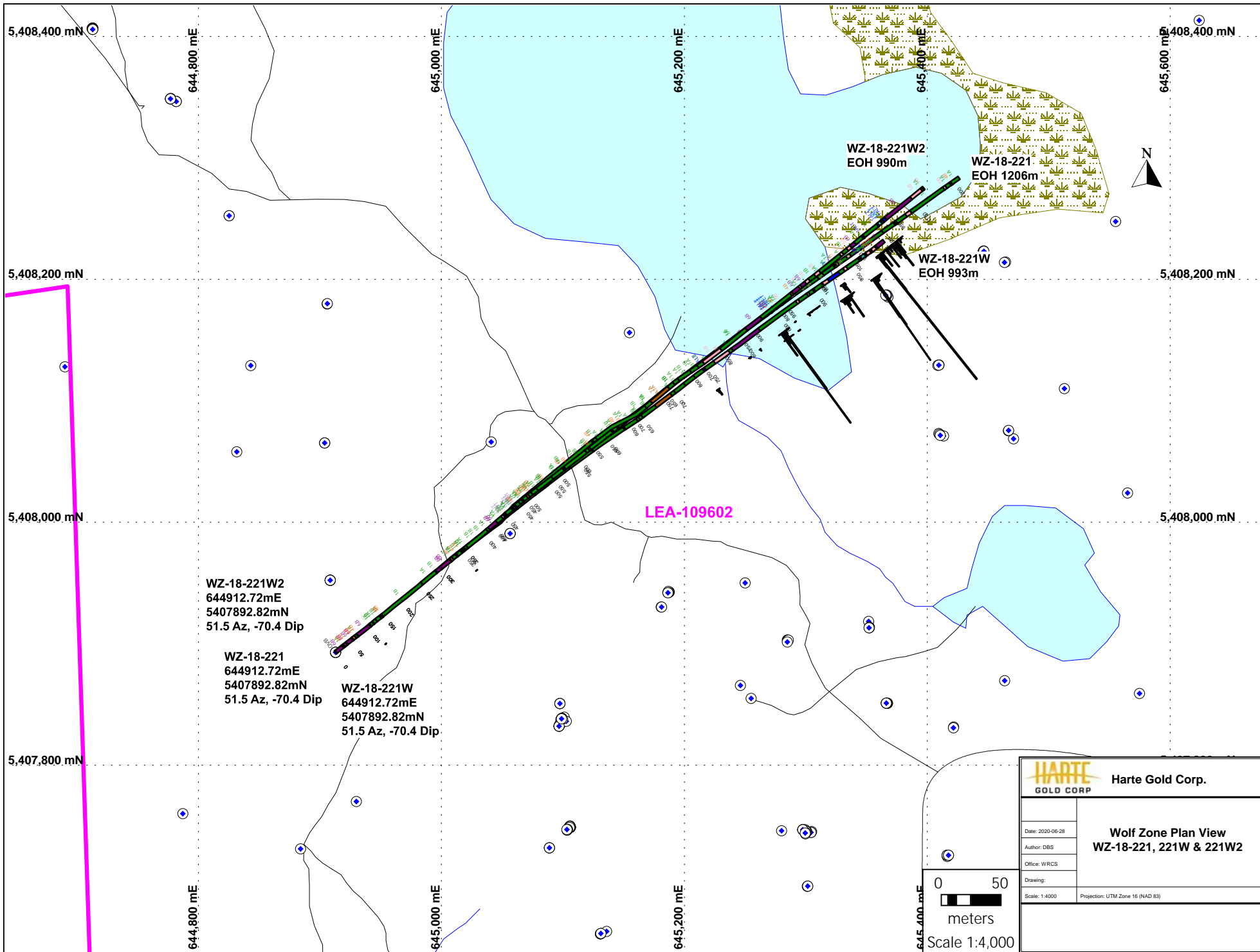
WZ-18-220  
EOH 1302m

WZ-18-220W  
EOH 1248m



		<b>Harte Gold Corp.</b>	
Date: 2020-06-28 Author: DBS Office: WRCS		<b>Wolf Zone Plan View WZ-18-220 &amp; 220W</b>	
Drawing: Scale: 1:4000 Projection: UTM Zone 16 (NAD 83)			





WZ-18-221W2  
 644912.72mE  
 5407892.82mN  
 51.5 Az, -70.4 Dip

WZ-18-221  
 644912.72mE  
 5407892.82mN  
 51.5 Az, -70.4 Dip

WZ-18-221W  
 644912.72mE  
 5407892.82mN  
 51.5 Az, -70.4 Dip

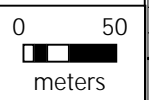
LEA-109602

WZ-18-221W2  
 EOH 990m

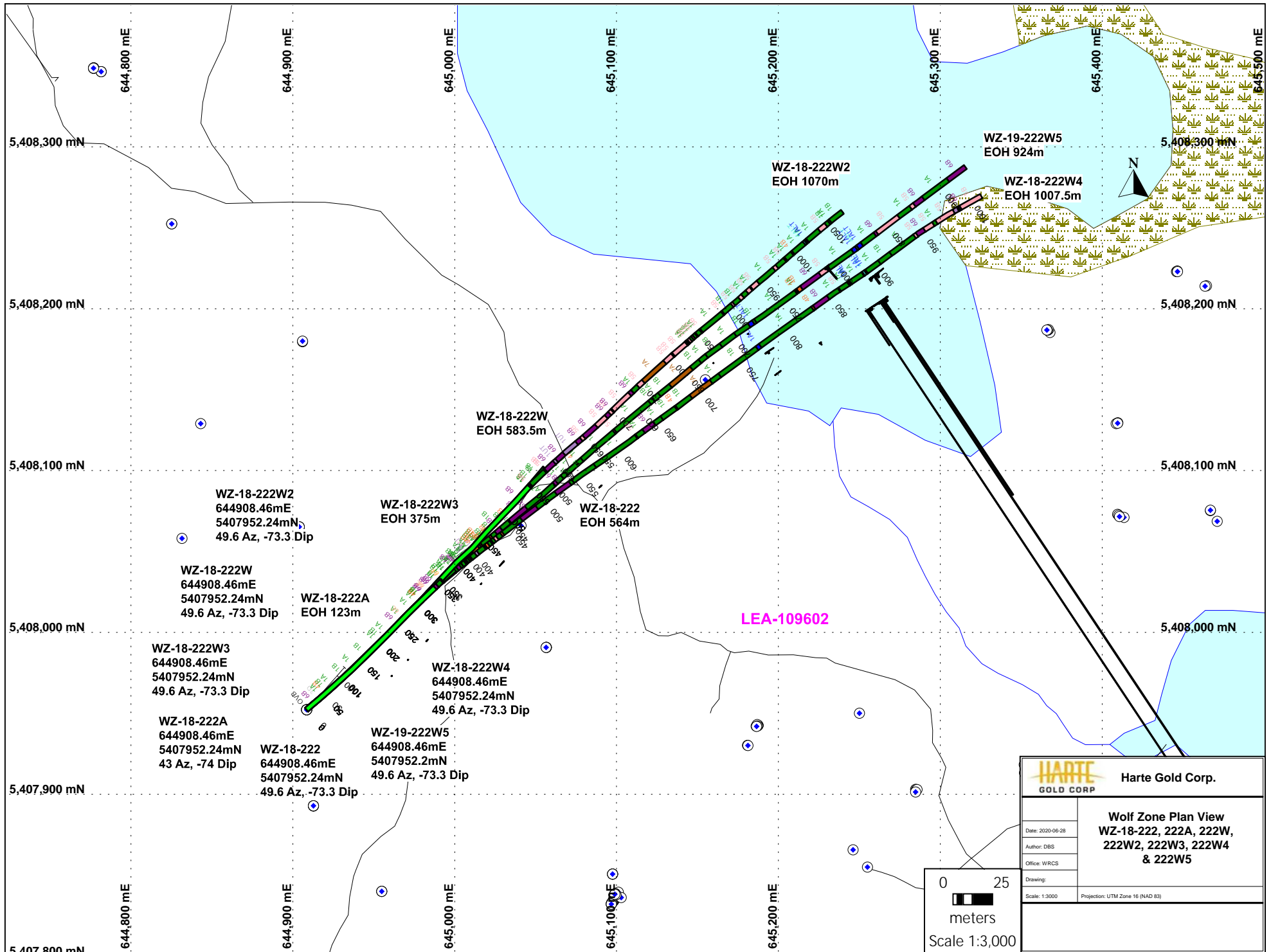
WZ-18-221  
 EOH 1206m

WZ-18-221W  
 EOH 993m

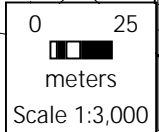
<b>HARTE</b> GOLD CORP.		Harte Gold Corp.	
Date: 2020-06-28	<b>Wolf Zone Plan View</b> WZ-18-221, 221W & 221W2		
Author: DBS			
Office: WRCS			
Drawing:	Scale: 1:4000	Projection: UTM Zone 16 (NAD 83)	

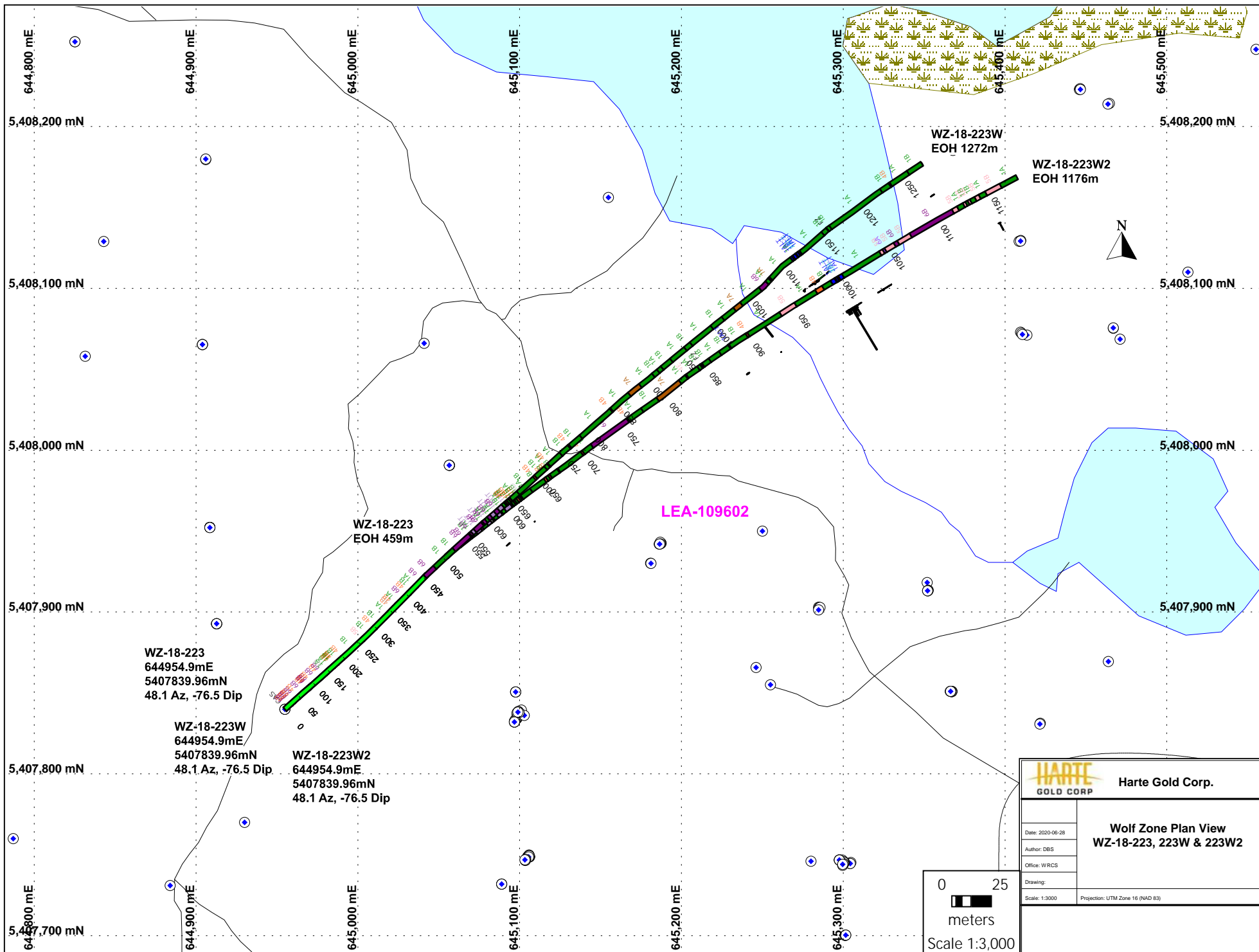


Scale 1:4,000



<b>HARTE</b> GOLD CORP		<b>Harte Gold Corp.</b>	
<b>Wolf Zone Plan View</b>			
<b>WZ-18-222, 222A, 222W, 222W2, 222W3, 222W4 &amp; 222W5</b>			
Date:	2020-06-28	Author:	DBS
Office:	WRCS	Drawing:	
Scale:	1:3000	Projection:	UTM Zone 16 (NAD 83)



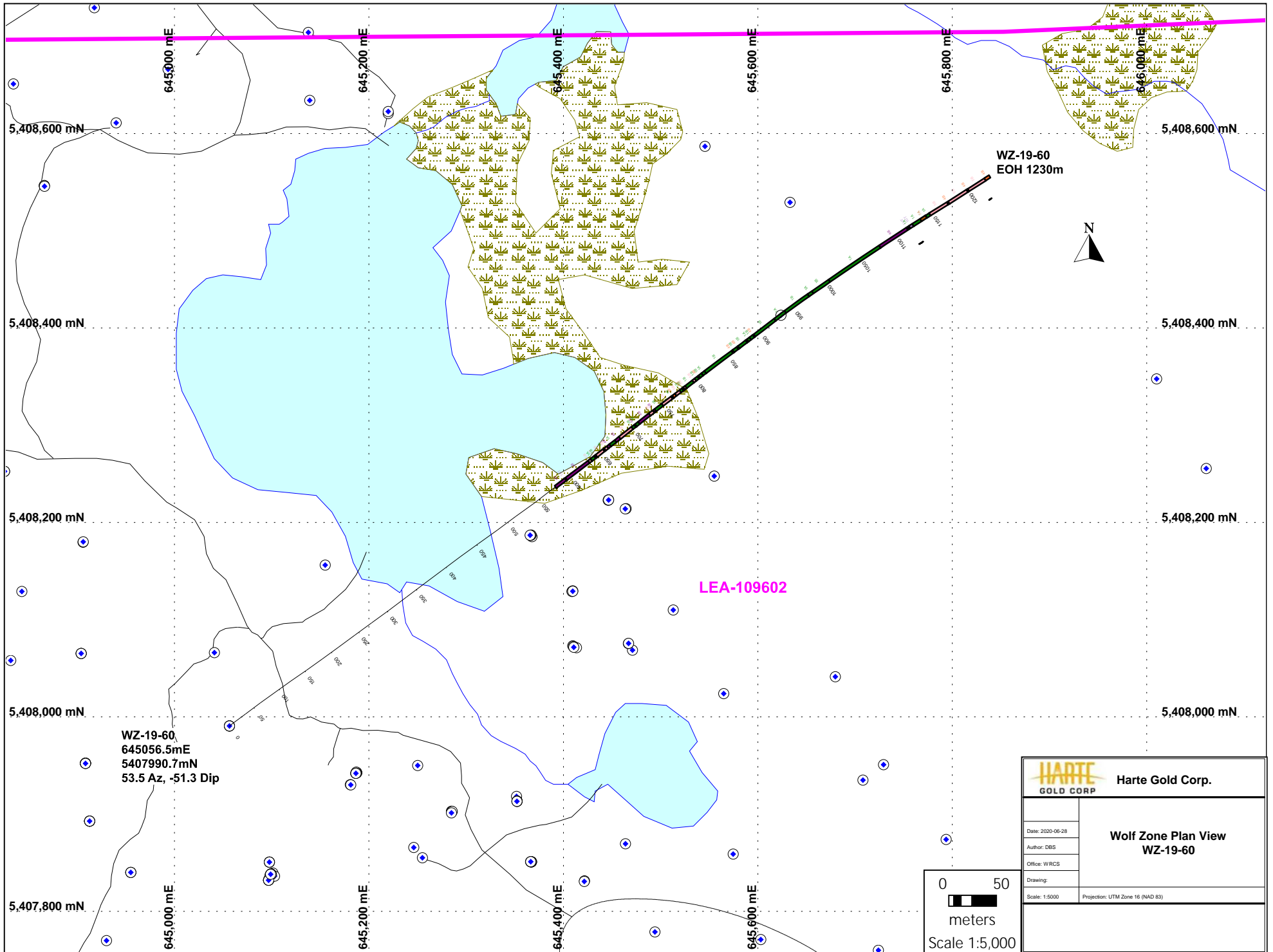



WZ-18-223  
644954.9mE  
5407839.96mN  
48.1 Az, -76.5 Dip

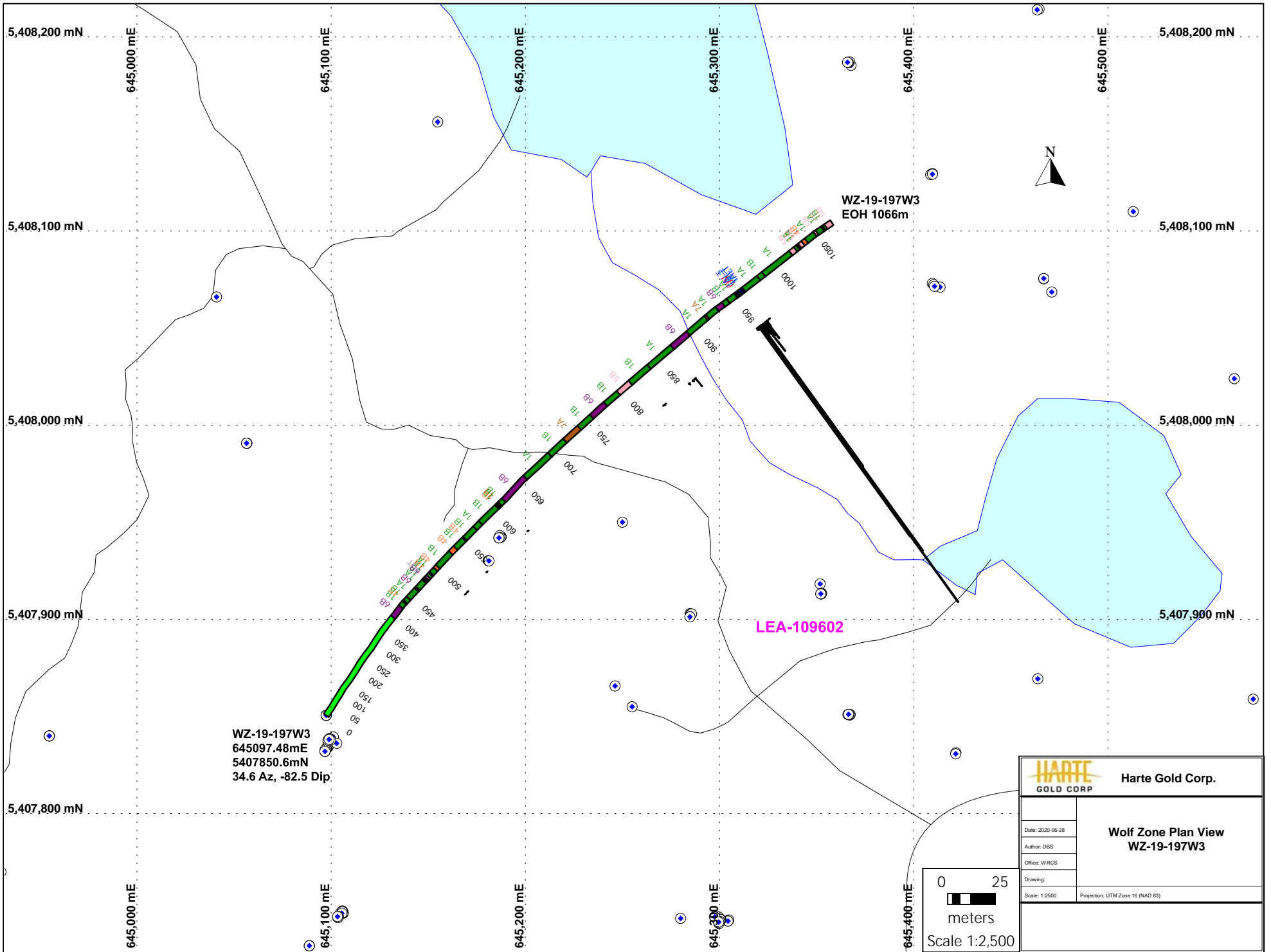
WZ-18-223W  
644954.9mE  
5407839.96mN  
48.1 Az, -76.5 Dip

WZ-18-223W2  
644954.9mE  
5407839.96mN  
48.1 Az, -76.5 Dip

 <b>Harte Gold Corp.</b>	
<b>Wolf Zone Plan View</b> <b>WZ-18-223, 223W &amp; 223W2</b>	
Date: 2020-06-28	Author: DBS
Office: WRCS	Drawing:
Scale: 1:3000	Projection: UTM Zone 18 (NAD 83)



 <b>Harte Gold Corp.</b>	
Date: 2020-06-28	<b>Wolf Zone Plan View WZ-19-60</b>
Author: DBS	
Office: WRCS	
Scale: 1:5000	Projection: UTM Zone 18 (NAD 83)

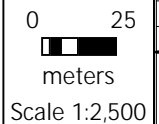


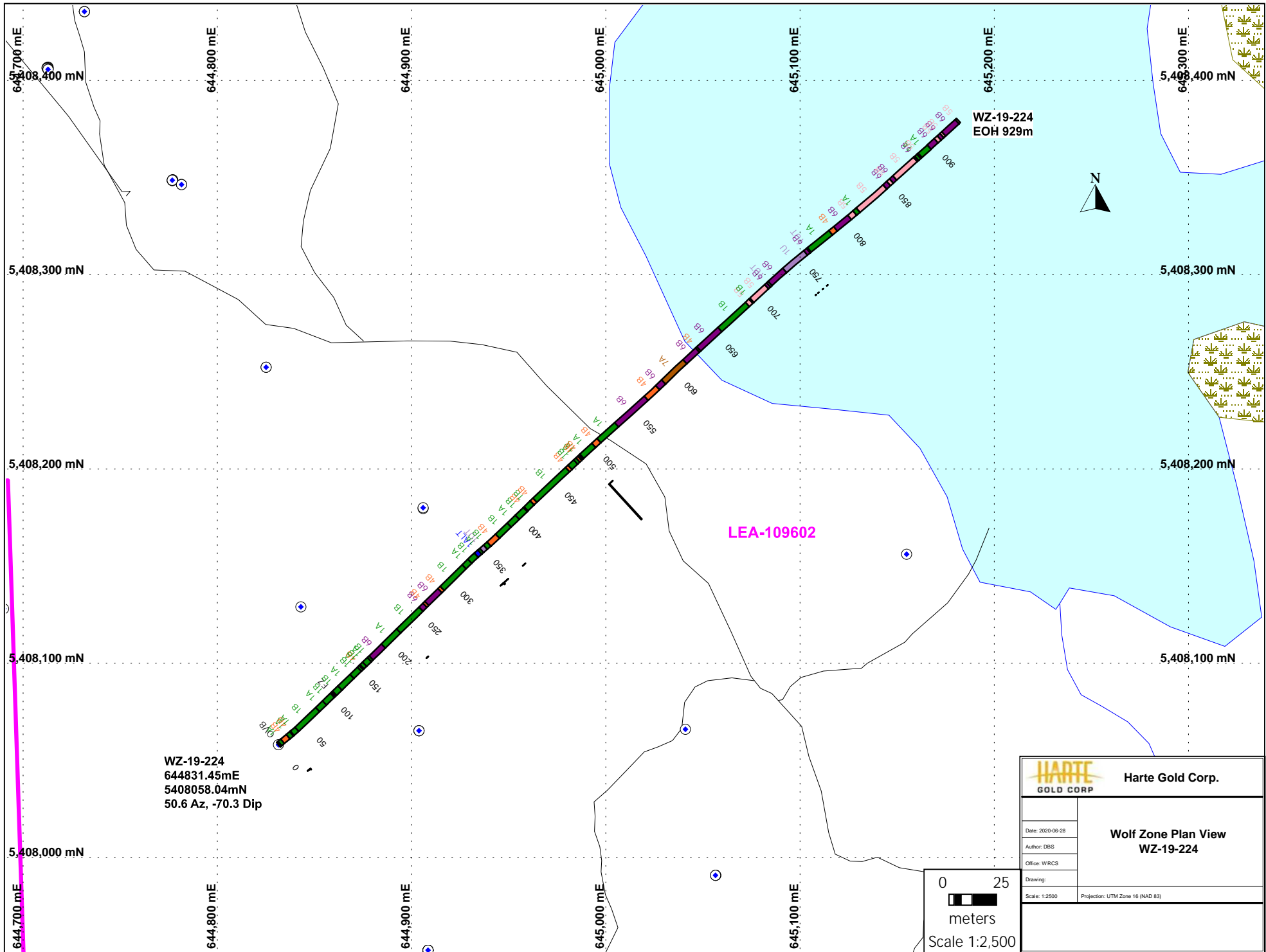
WZ-19-197W3  
 645097.48mE  
 5407850.6mN  
 34.6 Az, -82.5 Dip.


WZ-19-197W3  
 EOH 1066m

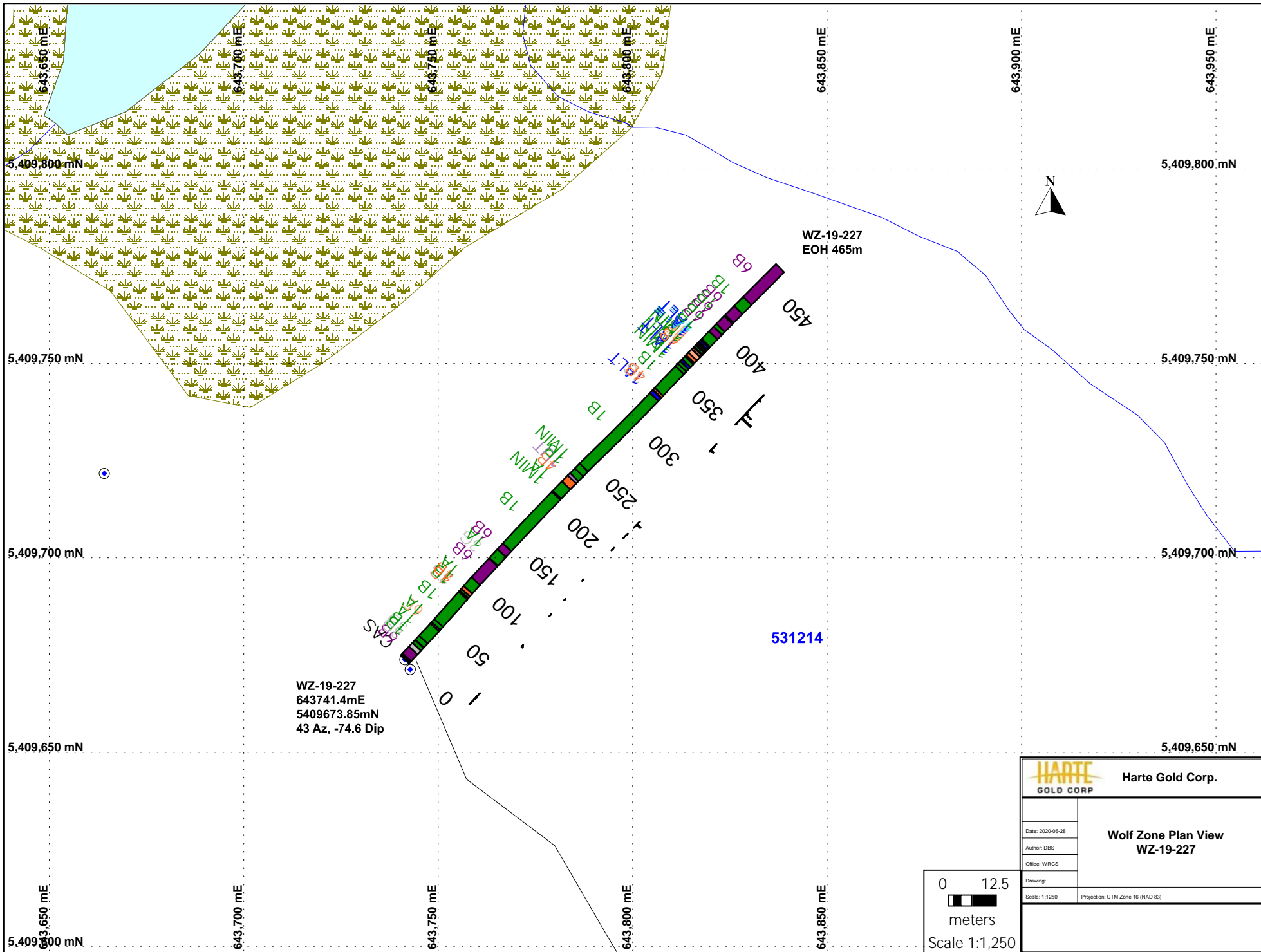
LEA-109602

<b>HARTE</b> GOLD CORP.		Harte Gold Corp.	
Date: 2020-06-28		<b>Wolf Zone Plan View</b> WZ-19-197W3	
Author: DBS			
Office: WRCS			
Drawing:		Scale: 1:2500    Projection: UTM Zone 16 (NAD 83)	





 <b>Harte Gold Corp.</b>	
<b>Wolf Zone Plan View</b> <b>WZ-19-224</b>	
Date: 2020-06-28	
Author: DBS	
Office: WRCS	
Drawing:	
Scale: 1:2500	Projection: UTM Zone 18 (NAD 83)



**Appendix F – Sugar & Wolf Zones – 2018-2019 Actlabs Assay Certificates**





**Date Submitted:** 04-Sep-18  
**Invoice No.:** A18-12290  
**Invoice Date:** 07-Sep-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

33 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-12290**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "E. Hrischeva". The signature is written in a cursive style with some loops and flourishes.

---

Eliitsa Hrischeva, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783096	< 5	
783097	< 5	
783098	12	
783099	566	
783100	< 5	
783101	159	
783102	342	
783103	70	
783104	47	
783105	741	
783106	54	
783107	11	
783108	< 5	
783109	5	
783110	3560	
783111	22	
783112	< 5	
783113	< 5	
783114	< 5	
783115	< 5	
783116	30	
783117	519	
783118	6790	6.95
783119	5100	5.71
783120	< 5	
783121	2300	
783122	148	
783123	32	
783124	< 5	
783125	22	
783126	7	
783127	10	
783128	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.57
OREAS 216 (Fire Assay) Cert		6.66
OREAS 229 (Fire Assay) Meas		11.9
OREAS 229 (Fire Assay) Cert		12.1
OREAS 217 (Fire Assay) Meas	338	
OREAS 217 (Fire Assay) Cert	338	
OREAS 215 (Fire Assay) Meas	3470	
OREAS 215 (Fire Assay) Cert	3540	
783105 Orig	741	
783115 Orig	< 5	
783115 Dup	< 5	
783118 Orig		7.51
783118 Dup		6.39
783125 Orig	22	
783125 Dup	22	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 06-Sep-18  
**Invoice No.:** A18-12501  
**Invoice Date:** 01-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-12501**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160038	37
160039	383
160040	< 5
160041	890
160042	255
160043	586
160044	278
160045	< 5
160046	< 5
160047	8
160048	21
160049	< 5
160050	3390
160051	< 5
160052	< 5
160053	< 5
160054	< 5
160055	< 5
160056	< 5
160057	< 5
160058	< 5
160059	77
160060	< 5
160061	< 5
160062	13
160063	7
160064	< 5
160065	9
160066	8
160067	6
160068	< 5
160069	< 5
160070	3450
160071	6
160072	< 5
160073	< 5
160074	< 5
160075	15
160076	13
160077	< 5
160078	< 5
160079	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160080	< 5
160081	< 5
160082	< 5
160083	< 5
160084	< 5
160085	< 5
160086	< 5
160087	< 5
160088	< 5
160089	< 5
160090	5430
160091	< 5
160092	11

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2560
OREAS 254 Cert	2550
OREAS 254 Meas	2550
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	332
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	330
OREAS 217 (Fire Assay) Cert	338
160047 Orig	8
160047 Dup	7
160057 Orig	6
160057 Dup	< 5
160067 Orig	6
160067 Dup	6
160082 Orig	< 5
160082 Dup	< 5
160087 Orig	< 5
160087 Split PREP DUP	< 5
160091 Orig	< 5
160091 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 06-Sep-18  
**Invoice No.:** A18-12511  
**Invoice Date:** 28-Sep-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

40 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-12511**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783077	65
783078	8
783079	7
783080	5
783081	5
783082	< 5
783083	5
783084	8
783085	31
783086	6
783087	29
783088	< 5
783089	< 5
783090	5340
783091	15
783092	8
783093	78
783094	15
783095	< 5
787024	5
787025	< 5
787026	5
787027	< 5
787028	< 5
787029	< 5
787030	5300
787031	< 5
787032	< 5
787033	18
787034	5
387105	44
387106	44
387107	< 5
387108	< 5
387109	< 5
387110	3450
387111	31
387112	< 5
387113	< 5
387114	27

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2510
OREAS 254 Cert	2550
OREAS 254 Meas	2420
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	330
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	322
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	319
OREAS 217 (Fire Assay) Cert	338
783086 Orig	6
783086 Dup	6
787024 Orig	5
787024 Dup	5
787034 Orig	5
787034 Dup	5
387105 Orig	50
387105 Dup	38
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 10-Sep-18  
**Invoice No.:** A18-12593  
**Invoice Date:** 01-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

35 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-12593**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
387115	6
387116	< 5
387117	31
387118	6
387119	< 5
387120	< 5
387121	< 5
387122	< 5
387123	< 5
387124	< 5
387125	< 5
387126	< 5
387127	14
387128	6
387129	17
387130	6780
387131	15
387132	11
387133	10
387134	< 5
387135	5
387136	< 5
387137	7
787061	27
787062	< 5
787063	< 5
787064	< 5
787065	< 5
783129	< 5
783130	6710
783131	5
783132	< 5
783133	< 5
783134	< 5
783135	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2680
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	331
OREAS 217 (Fire Assay) Cert	338
387127 Orig	11
387127 Dup	16
787061 Orig	26
787061 Dup	27
783134 Orig	< 5
783134 Dup	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 13-Sep-18  
**Invoice No.:** A18-12949  
**Invoice Date:** 14-Sep-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

27 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-12949**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.  
Quality Control

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TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783136	< 5
783137	102
783138	2180
783139	1790
783140	< 5
783141	141
783142	343
783143	998
783144	241
783145	62
783146	53
783147	60
783148	30
783149	6
783150	5520
783151	165
783152	175
783153	1040
783154	562
783155	252
783156	898
783157	137
783158	7
783159	7
783160	< 5
783161	< 5
783162	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2430
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	325
OREAS 217 (Fire Assay) Cert	338
783145 Orig	66
783145 Dup	58
783155 Orig	254
783155 Dup	250
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 20-Sep-18  
**Invoice No.:** A18-13512  
**Invoice Date:** 15-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

27 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A18-13512**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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**Date Submitted:** 20-Sep-18  
**Invoice No.:** A18-13512  
**Invoice Date:** 15-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.  
8 King Street East  
Suite 1700  
Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

**CERTIFICATE OF ANALYSIS**

27 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-13512**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
783163	25																						
783164	5																						
783165	7																						
783166	6																						
783167	< 5																						
783168	< 5																						
783169	15																						
783170	6610																						
783171	< 5																						
783172	< 5																						
783173	< 5																						
783174	< 5																						
783175	< 5																						
387154	< 5	30.3	2.17	2.25	7.63	0.55	7.53	0.2	165	120	1560	8.34	0.7	30	68.9	2.3	0.7	0.8	0.09	1.71	41.2	0.77	0.61
387155	< 5	28.4	2.37	2.41	7.91	0.66	8.02	0.2	184	99	1800	9.92	0.6	50	99.0	2.7	0.7	0.9	0.12	1.09	52.9	0.85	0.72
387156	< 5	35.4	2.53	2.64	7.28	1.16	6.55	0.5	164	108	1320	7.07	2.0	30	85.6	2.0	1.7	0.7	0.05	1.22	35.5	1.14	0.82
387157	< 5	45.8	> 3.00	2.26	8.29	1.22	4.67	0.2	145	56	907	5.50	2.3	30	54.4	1.5	2.4	0.5	< 0.05	4.04	24.6	1.14	0.27
387158	< 5	29.9	2.05	3.57	7.31	0.26	6.62	0.2	353	92	1570	10.1	1.2	40	67.4	2.7	0.3	0.9	0.13	0.66	46.6	0.83	0.03
387159	< 5	30.4	1.74	3.76	7.45	0.24	7.28	0.2	343	100	1600	10.6	0.9	30	102	2.7	0.3	0.9	0.11	0.96	51.9	0.83	0.02
387160	< 5	43.9	2.49	0.11	7.32	3.55	1.03	0.1	12	12	219	1.33	3.8	40	1.7	0.6	1.2	0.2	0.08	2.52	1.6	0.48	0.06
387161	< 5	32.3	1.71	3.84	7.31	0.33	7.39	0.2	175	128	1510	10.2	0.5	60	96.7	2.5	0.5	0.9	0.07	0.94	49.4	0.86	0.03
387162	< 5	42.2	2.36	3.06	7.77	0.91	5.77	0.2	163	83	1290	7.60	1.6	50	73.3	2.3	1.2	0.8	0.07	2.16	35.1	1.28	0.18
387163	< 5	47.0	2.98	0.96	7.81	1.88	2.44	0.1	61	22	568	4.06	3.9	50	17.9	1.2	1.8	0.4	0.16	2.99	11.8	1.44	0.36
387164	< 5	21.3	> 3.00	0.22	8.40	1.60	2.23	0.1	46	33	352	2.62	1.6	40	17.1	0.6	1.3	0.2	0.19	3.11	10.0	0.79	0.45
387165	< 5	27.4	> 3.00	0.52	7.87	1.42	2.57	0.1	54	36	457	2.66	2.1	40	20.3	0.6	2.1	0.3	0.16	4.10	13.3	1.04	0.26
387166	< 5	35.8	> 3.00	0.34	8.14	2.16	2.05	< 0.1	33	20	375	1.79	2.9	50	6.3	0.6	1.4	0.2	0.06	5.82	6.4	0.84	0.07
387167	< 5	36.6	> 3.00	0.42	8.14	1.78	2.52	< 0.1	39	27	532	2.36	2.3	50	8.1	0.8	1.4	0.3	< 0.05	5.95	8.6	0.93	0.08

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
783163																							
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783172																							
783173																							
783174																							
783175																							
387154	0.8	107	20.5	< 0.1	19.7	20.8	295	18	0.3	0.32	< 0.1	< 1	< 0.1	< 0.1	177	4.5	11.0	1.6	7.8	2.0	3.1	0.5	3.4
387155	1.1	127	20.0	< 0.1	18.6	22.9	240	13	0.2	0.31	< 0.1	< 1	< 0.1	< 0.1	132	4.6	11.5	1.6	8.3	2.2	3.5	0.5	3.9
387156	0.8	119	20.4	< 0.1	41.8	18.9	544	72	0.2	0.37	< 0.1	< 1	< 0.1	< 0.1	601	19.4	41.5	4.9	20.8	4.2	4.2	0.5	3.2
387157	0.6	131	23.3	< 0.1	63.8	13.8	626	83	2.3	0.69	< 0.1	2	< 0.1	< 0.1	547	23.9	51.2	6.0	25.7	4.0	3.7	0.4	2.6
387158	0.9	109	19.1	< 0.1	7.5	23.8	161	31	2.8	0.49	< 0.1	< 1	< 0.1	< 0.1	48	3.7	10.0	1.5	8.4	2.2	3.5	0.6	4.0
387159	0.9	112	18.7	< 0.1	7.1	22.5	144	21	2.6	0.55	< 0.1	< 1	< 0.1	< 0.1	37	3.3	8.9	1.4	7.7	2.0	3.4	0.5	3.8
387160	0.5	36.8	16.4	< 0.1	143	6.2	116	130	4.5	3.04	< 0.1	3	< 0.1	< 0.1	622	26.2	51.6	5.0	17.4	2.6	2.3	0.2	1.2
387161	0.6	114	18.2	< 0.1	9.6	22.8	165	13	< 0.1	0.07	< 0.1	< 1	< 0.1	< 0.1	78	5.1	12.8	1.8	9.4	3.0	3.5	0.6	3.9
387162	0.6	110	19.4	< 0.1	31.8	20.3	669	57	< 0.1	0.33	< 0.1	< 1	< 0.1	< 0.1	465	22.4	48.1	5.8	24.7	4.5	4.7	0.6	3.7
387163	0.4	94.5	20.9	< 0.1	56.3	11.8	858	154	5.2	2.75	< 0.1	< 1	< 0.1	< 0.1	139	37.3	80.1	9.2	37.3	4.8	4.2	0.4	2.4
387164	0.8	66.2	18.5	< 0.1	61.7	5.3	514	58	3.0	1.33	< 0.1	< 1	< 0.1	< 0.1	135	18.8	40.4	4.7	18.6	2.5	1.9	0.2	1.0
387165	0.5	67.3	17.8	< 0.1	46.0	7.0	715	79	4.4	2.33	< 0.1	< 1	< 0.1	< 0.1	300	26.0	56.9	6.3	25.6	3.7	2.9	0.3	1.4
387166	0.3	64.2	14.4	< 0.1	52.5	5.3	985	118	2.0	0.91	< 0.1	< 1	< 0.1	< 0.1	1280	23.1	51.1	5.6	21.8	3.0	2.4	0.2	1.1
387167	0.4	73.5	16.3	< 0.1	50.8	7.1	813	89	0.9	0.56	< 0.1	< 1	< 0.1	< 0.1	1010	23.0	51.4	5.7	23.7	3.5	2.5	0.3	1.7

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
783163																
783164																
783165																
783166																
783167																
783168																
783169																
783170																
783171																
783172																
783173																
783174																
783175																
387154	107	0.6	0.3	2.5	0.3	< 0.1	0.1	< 0.001	0.15	4.8	35	0.7	0.2	0.267	0.034	0.19
387155	161	0.6	0.4	2.8	0.4	< 0.1	< 0.1	< 0.001	0.14	5.3	41	0.5	0.2	0.331	0.035	0.41
387156	72.2	0.6	0.3	2.1	0.2	< 0.1	< 0.1	< 0.001	0.25	13.3	27	3.1	0.9	0.315	0.072	0.17
387157	43.1	0.6	0.2	1.4	0.2	< 0.1	< 0.1	< 0.001	0.43	10.2	19	4.1	1.1	0.381	0.082	0.19
387158	121	0.8	0.4	2.8	0.4	0.2	0.2	< 0.001	< 0.05	1.7	43	0.3	0.1	0.694	0.039	0.17
387159	118	0.4	0.4	2.8	0.4	0.2	0.2	< 0.001	< 0.05	1.2	41	0.3	< 0.1	0.624	0.034	0.14
387160	4.4	0.2	< 0.1	0.6	< 0.1	0.2	< 0.1	0.016	0.91	19.2	2	14.4	1.0	0.101	0.015	< 0.01
387161	100	0.3	0.4	2.8	0.4	< 0.1	< 0.1	< 0.001	0.06	2.0	40	0.6	0.1	0.201	0.035	0.11
387162	62.7	0.4	0.3	2.3	0.3	< 0.1	< 0.1	< 0.001	0.24	7.6	29	3.2	0.6	0.295	0.074	0.19
387163	64.1	< 0.1	0.1	1.1	0.1	0.3	0.2	< 0.001	0.47	15.6	8	6.6	2.0	0.284	0.108	1.18
387164	53.8	< 0.1	< 0.1	0.5	< 0.1	0.2	0.3	< 0.001	0.46	7.5	6	2.6	0.7	0.211	0.057	1.06
387165	35.5	< 0.1	< 0.1	0.6	< 0.1	0.4	0.2	< 0.001	0.35	8.3	7	3.8	0.8	0.265	0.070	0.77
387166	16.0	0.2	< 0.1	0.5	< 0.1	0.1	0.1	< 0.001	0.42	11.7	3	4.2	0.6	0.218	0.063	0.11
387167	8.1	0.3	< 0.1	0.7	0.1	< 0.1	< 0.1	< 0.001	0.41	9.0	5	3.1	0.8	0.227	0.070	0.08

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas		11.8	0.54	1.78	6.96	2.81	1.02	0.3	83	45	148	3.01	1.3	40	39.3		2.2		3.60	2.58	14.1	1.23	19.7
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas		35.0	1.53	1.04	8.28	2.89	1.01		40	46	890	4.73	1.1	60	33.8	3.5	3.0	1.2		4.01	17.0	1.40	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas		34.9	0.10	0.64	> 10.0	2.02	0.17	0.1	112	52	1080	5.56	2.0	80	24.6		1.2		0.33	4.20	13.4	0.59	0.16
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
OREAS 97 (4 Acid) Meas																			19.2		63.8		39.9
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 97 (4 Acid) Meas																			19.8		64.2		41.1
OREAS 97 (4 Acid) Cert																			19.6		62.9		40.1
OREAS 98 (4 Acid) Meas																			44.9		125		91.0
OREAS 98 (4 Acid) Cert																			45.1		121		97.2
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		4.7	1.40				7.95		144	139		6.87			271						56.8	0.48	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
DNC-1a Meas																							
DNC-1a Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		21.8	0.10	0.25	8.27	0.45	0.18		137	602	524	14.8	3.1		245	1.3	0.8	0.5		3.97	30.9	0.56	0.32
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549	490.000	14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 254 Meas	2590																						
OREAS 254 Cert	2550																						
OREAS 96 (4																			11.5		50.7		27.2

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Meas																							
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 96 (4 Acid) Meas																			11.4		48.9		26.4
OREAS 96 (4 Acid) Cert																			11.5		49.9		26.3
OREAS 217 (Fire Assay) Meas	338																						
OREAS 217 (Fire Assay) Cert	338																						
783172 Orig	< 5																						
783172 Dup	< 5																						
387157 Orig		45.9	> 3.00	2.25	8.23	1.25	4.63	0.2	135	52	903	5.37	2.1	30	53.9	1.5	2.4	0.5	< 0.05	4.03	24.2	1.15	0.28
387157 Dup		45.7	> 3.00	2.27	8.35	1.20	4.72	0.3	154	59	912	5.64	2.5	30	54.9	1.5	2.4	0.5	0.09	4.05	24.9	1.13	0.27
387160 Orig	< 5																						
387160 Dup	< 5																						
387162 Orig		42.2	2.35	3.10	7.70	0.92	5.86	0.2	148	96	1290	7.63	1.3	50	73.6	2.3	1.2	0.8	0.07	2.12	35.4	1.30	0.18
387162 Dup		42.2	2.37	3.01	7.84	0.91	5.68	0.2	177	69	1300	7.56	1.9	50	73.0	2.3	1.2	0.8	0.07	2.21	34.7	1.26	0.18
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	1	< 0.01	< 0.1	70	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	3	1	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	< 1	< 0.01	< 0.1	60	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 1	2	< 1	< 0.01	< 0.1	50	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas	5.8	73.7	18.2	98.6	121	12.5	231	43	9.1	325	0.2	7	4.1	0.8	74	53.7	103		40.2	5.6	4.6	0.4	2.4
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
GXR-4 Meas																							
GXR-4 Cert																							
SDC-1 Meas		105	20.3	< 0.1	122		196	40	0.3		< 1	< 0.1		664	39.1	86.3		39.5	6.9	6.7	0.9	5.8	
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00		3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70	
SDC-1 Meas																							
SDC-1 Cert																							
GXR-6 Meas	1.1	136	28.2	229	79.7	11.5	38.3	69	< 0.1	0.22	< 0.1	< 1	0.2	< 0.1	1270	12.0	32.7		11.3	2.3	2.3	0.3	2.0
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	71.7	608										88	7.5										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 97 (4 Acid) Meas	68.6	618										91	4.5										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas	158	1330										192	4.9										
OREAS 98 (4 Acid) Cert	158	1360										206	20.1										
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		67.8	14.0		3.4	15.1	154	37	1.4				0.8		99	3.4			4.5				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
DNC-1a Meas																							
DNC-1a Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas		50.1	22.1	7.3	41.8	10.5	34.3	120	< 0.1	0.26	< 0.1	< 1	< 0.1		190	16.7	36.0	3.7	14.6	2.6	2.6	0.4	2.2
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 254 Meas																							
OREAS 254 Cert																							
OREAS 96 (4	42.5	441										62	4.5										



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Meas																							
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 96 (4 Acid) Meas	39.7	429										62	3.6										
OREAS 96 (4 Acid) Cert	40.7	457										65.6	5.09										
OREAS 217 (Fire Assay) Meas																							
OREAS 217 (Fire Assay) Cert																							
783172 Orig																							
783172 Dup																							
387157 Orig	0.6	131	23.4	< 0.1	63.7	13.7	627	77	0.6	0.50	< 0.1	2	< 0.1	< 0.1	545	23.6	50.4	6.0	25.5	4.0	3.7	0.4	2.5
387157 Dup	0.5	132	23.2	< 0.1	63.8	13.8	626	89	4.1	0.87	< 0.1	3	< 0.1	< 0.1	548	24.3	52.1	6.1	25.9	4.1	3.7	0.4	2.6
387160 Orig																							
387160 Dup																							
387162 Orig	0.6	109	19.6	< 0.1	31.7	20.1	661	47	< 0.1	0.17	< 0.1	< 1	< 0.1	< 0.1	463	22.3	48.0	5.9	24.4	4.7	4.5	0.6	3.7
387162 Dup	0.5	110	19.1	< 0.1	31.9	20.4	676	66	0.5	0.49	< 0.1	< 1	< 0.1	< 0.1	467	22.4	48.2	5.8	25.0	4.4	4.8	0.6	3.7
Method Blank																							
Method Blank																							
Method Blank	0.3	0.8	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.4	1.3	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.3	0.7	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.4	1.5	< 0.1	0.2	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas	6550		0.2	1.1	0.1	0.6	38.2		3.24	48.8	7	18.5	5.8	0.262	0.129	1.80
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
GXR-4 Meas											8			0.273	0.133	1.87
GXR-4 Cert											7.70			0.29	0.120	1.77
SDC-1 Meas	32.2		0.5	3.5		< 0.1	< 0.1		0.63	23.6	15	11.6	2.6	0.150	0.056	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
SDC-1 Meas											15			0.163	0.056	
SDC-1 Cert											17.00			0.606	0.0690	
GXR-6 Meas	66.7			1.7	0.3	< 0.1	< 0.1		2.27	101		5.1	1.5			
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
OREAS 97 (4 Acid) Meas	> 10000									139						6.58
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 97 (4 Acid) Meas	> 10000									140						6.94
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 98 (4 Acid) Meas	> 10000									314						14.8
OREAS 98 (4 Acid) Cert	148000.0									345						15.5
OREAS 98 (4 Acid) Meas																15.3
OREAS 98 (4 Acid) Cert																15.5
DNC-1a Meas	95.5			1.9						5.8	29			0.261		
DNC-1a Cert	100			2.0						6.3	31			0.29		
DNC-1a Meas											29			0.261		
DNC-1a Cert											31			0.29		
SBC-1 Meas											20			0.486		
SBC-1 Cert											20.0			0.51		
SBC-1 Meas											20			0.480		
SBC-1 Cert											20.0			0.51		
OREAS 45d (4-Acid) Meas	384			1.6	0.2	< 0.1	0.1		0.26	21.3	50	15.1	2.7	0.263	0.035	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 45d (4-Acid) Meas											49			0.0933	0.034	0.05
OREAS 45d (4-Acid) Cert											49.30			0.773	0.042	0.049
OREAS 254 Meas																
OREAS 254 Cert																
OREAS 96 (4	> 10000									95.0						4.09

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Acid) Meas																
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 96 (4 Acid) Meas	> 10000									93.0						4.14
OREAS 96 (4 Acid) Cert	39300									101						4.19
OREAS 217 (Fire Assay) Meas																
OREAS 217 (Fire Assay) Cert																
783172 Orig																
783172 Dup																
387157 Orig	44.2	0.6	0.2	1.5	0.2	< 0.1	< 0.1	< 0.001	0.43	10.2	19	4.0	1.1	0.344	0.080	0.19
387157 Dup	42.1	0.6	0.2	1.4	0.2	< 0.1	0.1	< 0.001	0.43	10.2	19	4.1	1.1	0.417	0.083	0.19
387160 Orig																
387160 Dup																
387162 Orig	63.1	0.4	0.3	2.3	0.3	< 0.1	< 0.1	< 0.001	0.24	7.7	28	3.2	0.6	0.210	0.070	0.18
387162 Dup	62.2	0.5	0.3	2.3	0.3	< 0.1	< 0.1	< 0.001	0.24	7.5	29	3.2	0.7	0.381	0.077	0.19
Method Blank																
Method Blank																
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	1.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01
Method Blank	1.7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5	< 1	< 0.1	< 0.1	< 0.0005	< 0.001	< 0.01



**Date Submitted:** 25-Sep-18  
**Invoice No.:** A18-13854  
**Invoice Date:** 19-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

51 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-13854**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
160093	7	
160094	10	
160095	< 5	
160096	7	
160097	< 5	
160098	< 5	
160099	< 5	
160100	< 5	
160101	< 5	
160102	15	
160103	< 5	
160104	14	
160105	< 5	
160106	12	
160107	31	
160108	7000	7.66
160109	98	
160110	5390	
160111	738	
160112	132	
160113	183	
160114	481	
160115	531	
160116	80	
160117	32	
160118	20	
160119	< 5	
160120	< 5	
160121	< 5	
160122	< 5	
160123	< 5	
160124	< 5	
160125	7	
160126	< 5	
160127	20	
160128	< 5	
160129	< 5	
160130	3400	
160131	< 5	
160132	< 5	
160133	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
160134	< 5	
160135	< 5	
160136	< 5	
160137	11	
160138	< 5	
160139	< 5	
160140	< 5	
160141	17	
160142	7	
160143	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.79
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Meas	2520	
OREAS 254 Cert	2550	
OREAS 229 (Fire Assay) Meas		12.2
OREAS 229 (Fire Assay) Cert		12.1
OREAS 217 (Fire Assay) Meas	323	
OREAS 217 (Fire Assay) Cert	338	
OREAS 217 (Fire Assay) Meas	330	
OREAS 217 (Fire Assay) Cert	338	
160102 Orig	14	
160102 Dup	15	
160108 Orig		7.22
160108 Dup		8.10
160112 Orig	118	
160112 Dup	146	
160122 Orig	< 5	
160122 Dup	< 5	
160137 Orig	10	
160137 Dup	12	
160142 Orig	7	
160142 Split PREP DUP	7	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 01-Oct-18  
**Invoice No.:** A18-14197  
**Invoice Date:** 03-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

19 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-14197**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160144	129
160145	2110
160146	66
160147	56
160148	2480
160149	234
160150	6590
160151	940
160152	286
160153	34
160154	12
160155	8
160156	17
160157	12
160158	9
160159	38
160160	< 5
160161	272
160162	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2510
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	340
OREAS 217 (Fire Assay) Cert	338
160153 Orig	36
160153 Dup	31
160161 Orig	287
160161 Dup	256
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 01-Oct-18  
**Invoice No.:** A18-14198  
**Invoice Date:** 23-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

40 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-14198**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
596992	22
596993	< 5
596994	< 5
596995	< 5
596996	9
596997	15
596998	< 5
596999	6
597000	< 5
166001	16
166002	< 5
166003	< 5
166004	< 5
166005	< 5
166006	< 5
166007	< 5
166008	< 5
166009	< 5
166010	6460
166011	7
166012	5
166013	7
166014	< 5
166015	6
166016	< 5
166017	6
166018	17
166019	58
166020	< 5
166021	260
166022	14
166023	19
166024	17
166025	15
166026	6
166027	9
166028	175
166029	51
166030	5280
166031	13

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2460
OREAS 254 Cert	2550
OREAS 254 Meas	2520
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	323
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	319
OREAS 217 (Fire Assay) Cert	338
166001 Orig	17
166001 Dup	16
166011 Orig	7
166011 Dup	7
166021 Orig	250
166021 Dup	270
166029 Orig	54
166029 Dup	48
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 03-Oct-18  
**Invoice No.:** A18-14331  
**Invoice Date:** 05-Oct-18  
**Your Reference:**

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

49 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-14331**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166107	< 5
166108	10
166109	8
166110	6480
166111	6
166112	5
166113	6
166114	5
166115	7
166116	10
166117	< 5
166118	5
166119	6
166120	< 5
166121	< 5
166122	6
166123	< 5
166124	< 5
166125	53
166126	298
166127	22
166128	22
166129	26
166130	3420
166131	10
166132	10
166133	61
166134	7
166135	17
166136	8
166137	< 5
166138	5
166139	< 5
166140	< 5
166141	< 5
166142	7
166143	5
166144	< 5
166145	12
166146	< 5
166147	9
166148	11

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166149	33
166150	5500
166151	< 5
166152	10
166153	16
166154	1000
166155	34



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2470
OREAS 254 Cert	2550
OREAS 254 Meas	2460
OREAS 254 Cert	2550
OREAS 254 Meas	2470
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	322
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	334
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	322
OREAS 217 (Fire Assay) Cert	338
166116 Orig	9
166116 Dup	10
166126 Orig	142
166126 Dup	454
166136 Orig	8
166136 Dup	8
166151 Orig	< 5
166151 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 02-Oct-18  
**Invoice No.:** A18-14333  
**Invoice Date:** 17-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

54 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-14333**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783176	17	
783177	< 5	
783178	17	
783179	< 5	
783180	< 5	
783181	6	
783182	6	
783183	< 5	
783184	< 5	
783185	8	
783186	< 5	
783187	11	
783188	148	
783189	3780	3.93
783190	5400	
783191	3570	3.68
783192	176	
783193	71	
783194	73	
783195	13	
783196	19	
783197	56	
783198	12	
783199	102	
783200	< 5	
783201	12	
783202	167	
783203	21	
783204	9	
783205	< 5	
787084	< 5	
787085	< 5	
787086	10	
787087	< 5	
787088	< 5	
785064	< 5	
785065	< 5	
785066	< 5	
785067	< 5	
785068	< 5	
785069	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
785070	5360	
785071	< 5	
785072	< 5	
785073	< 5	
785074	< 5	
785075	< 5	
785057	< 5	
785058	< 5	
785059	< 5	
785060	< 5	
785061	< 5	
785062	< 5	
785063	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.72
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Meas	2520	
OREAS 254 Cert	2550	
OREAS 254 Meas	2420	
OREAS 254 Cert	2550	
OREAS 229 (Fire Assay) Meas		12.3
OREAS 229 (Fire Assay) Cert		12.1
OREAS 217 (Fire Assay) Meas	332	
OREAS 217 (Fire Assay) Cert	338	
OREAS 217 (Fire Assay) Meas	330	
OREAS 217 (Fire Assay) Cert	338	
783185 Orig	7	
783185 Dup	8	
783191 Orig		3.74
783191 Dup		3.62
783195 Orig	12	
783195 Dup	14	
783205 Orig	5	
783205 Dup	< 5	
785073 Orig	< 5	
785073 Dup	< 5	
785059 Orig	< 5	
785059 Split PREP DUP	< 5	
785063 Orig	< 5	
785063 Dup	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 04-Oct-18  
**Invoice No.:** A18-14440  
**Invoice Date:** 12-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

34 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-14440**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
160163	135								
160164	917								
160165	57								
160166	82								
160167	3970	4.19							
160168	> 10000	80.0	259	62.0	61.3	64.7	8.550	535.80	544.35
160169	90								
160170	5550								
160171	9110	9.54							
160172	2020								
160173	207								
160174	150								
160175	2140								
160176	13								
160177	< 5								
160178	8								
160179	< 5								
160180	< 5								
160181	21								
160182	736								
160183	60								
160184	6								
160185	18								
160186	24								
160187	59								
160188	< 5								
160189	< 5								
160190	3560								
160191	< 5								
160192	< 5								
160193	< 5								
160194	< 5								
160195	< 5								
160196	< 5								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.87		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 254 Meas	2620			
OREAS 254 Cert	2550			
OREAS 229 (Fire Assay) Meas		12.5	12.3	
OREAS 229 (Fire Assay) Cert		12.1	12.1	
OREAS 229 (Fire Assay) Meas			12.2	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 217 (Fire Assay) Meas	328			
OREAS 217 (Fire Assay) Cert	338			
160167 Orig		4.16		
160167 Dup		4.22		
160172 Orig	1920			
160172 Dup	2120			
160179 Orig	< 5			
160179 Dup	5			
160183 Orig	60			
160183 Dup	59			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000





**Date Submitted:** 09-Oct-18  
**Invoice No.:** A18-14693  
**Invoice Date:** 11-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

9 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A18-14693**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160197	62
160198	1700
160199	124
160200	< 5
160201	< 5
160202	< 5
160203	< 5
160204	< 5
160205	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2490
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	332
OREAS 217 (Fire Assay) Cert	338
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 09-Oct-18  
**Invoice No.:** A18-14696  
**Invoice Date:** 16-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

14 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

Code 1A3-Tbay Au - Fire Assay Gravimetric (QOP Fire Assay Tbay)

Code 1A4 (100mesh)-Tbay Au-Fire Assay-Metallic Screen-500g

REPORT      **A18-14696**

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Notes:

A representative 500 gram split is sieved at 100 mesh (149 micron) with assays performed on the entire +100 mesh and 2 splits of the -100 mesh fraction. A final assay is calculated based on the weight of each fraction.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



---

Emmanuel Esemé , Ph.D.  
Quality Control

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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
783209	16								
783210	3470								
783211	40								
783212	5140	11.1	92.8	5.84	6.37	8.42	14.66	534.67	549.33
783213	3370	3.15	7.56	5.32	4.82	5.19	26.19	520.61	546.80
783214	< 5								
783215	15								
783216	150								
783217	42								
783218	48								
783219	21								
783220	< 5								
783221	8								
783222	10								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.70		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 254 Meas	2490			
OREAS 254 Cert	2550			
OREAS 229 (Fire Assay) Meas		12.0	12.0	
OREAS 229 (Fire Assay) Cert		12.1	12.1	
OREAS 229 (Fire Assay) Meas			12.1	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 217 (Fire Assay) Meas	332			
OREAS 217 (Fire Assay) Cert	338			
783209 Orig	16			
783209 Dup	15			
783212 Orig		11.4	8.42	549.33
783212 Dup		10.8		
783219 Orig	23			
783219 Dup	19			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 09-Oct-18  
**Invoice No.:** A18-14724  
**Invoice Date:** 23-Oct-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-14724**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783206	14
783207	193
783208	7
787117	< 5
787118	< 5
787119	17
787120	< 5
787121	< 5
787122	8
787123	< 5
787124	< 5
787125	< 5
787126	< 5
787127	< 5
787128	11
785105	< 5
785106	< 5
785107	< 5
785108	< 5
785109	< 5
785110	6560
785111	< 5
785112	< 5
785113	< 5
785114	< 5
785115	< 5
785116	< 5
785117	< 5
785118	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2520
OREAS 254 Cert	2550
787123 Orig	< 5
787123 Dup	< 5
785109 Orig	< 5
785109 Dup	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 15-Oct-18  
**Invoice No.:** A18-15001  
**Invoice Date:** 19-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

20 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15001**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
166032	< 5								
166033	< 5								
166034	< 5								
166035	8								
166036	15								
166037	28								
166038	7								
166241	59								
166242	10								
166243	80								
166244	201								
166245	481								
166246	853								
166247	> 10000	26.3	51.8	20.1	19.5	21.3	25.02	523.19	548.21
166248	44								
166249	31								
166250	6520								
166251	< 5								
166252	793								
166253	< 5								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.56		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 254 Meas	2420			
OREAS 254 Cert	2550			
OREAS 229 (Fire Assay) Meas		12.1	12.0	
OREAS 229 (Fire Assay) Cert		12.1	12.1	
OREAS 229 (Fire Assay) Meas			12.1	
OREAS 229 (Fire Assay) Cert			12.1	
166036 Orig	11			
166036 Dup	18			
166246 Orig	879			
166246 Dup	827			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 15-Oct-18  
**Invoice No.:** A18-15003  
**Invoice Date:** 19-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

43 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15003**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
163434	< 5								
163435	< 5								
163436	< 5								
163437	< 5								
163438	< 5								
163439	< 5								
163440	< 5								
163441	< 5								
163442	< 5								
163443	< 5								
163444	< 5								
163445	27								
163472	15								
163473	16								
163474	67								
163475	273								
163476	340								
163477	3500	3.81							
163478	> 10000	10.3	40.2	5.64	5.82	6.67	15.03	537.84	552.87
163479	> 10000	21.8	139	14.0	14.8	17.6	14.24	532.99	547.20
163480	< 5								
163481	3530	3.34							
163482	63								
163483	21								
163484	8								
163485	15								
163489	6								
163490	3350								
163491	8								
163492	< 5								
163493	< 5								
163494	5								
166156	1490								
166157	6								
166158	750								
166159	151								
166160	< 5								
166161	312								
166162	< 5								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
166163	8								
166164	< 5								
166165	9								
166166	28								



Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.56		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 254 Meas	2450			
OREAS 254 Cert	2550			
OREAS 254 Meas	2450			
OREAS 254 Cert	2550			
OREAS 229 (Fire Assay) Meas		12.1	12.0	
OREAS 229 (Fire Assay) Cert		12.1	12.1	
OREAS 229 (Fire Assay) Meas			12.1	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 217 (Fire Assay) Meas	320			
OREAS 217 (Fire Assay) Cert	338			
OREAS 217 (Fire Assay) Meas	326			
OREAS 217 (Fire Assay) Cert	338			
163443 Orig	5			
163443 Dup	< 5			
163479 Orig	> 10000		17.6	547.20
163479 Dup	> 10000			
163481 Orig		3.28		
163481 Dup		3.39		
163492 Orig	< 5			
163492 Dup	< 5			
166164 Orig	< 5			
166164 Dup	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15228  
**Invoice Date:** 22-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

52 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15228**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
166212	5								
166213	313								
166214	100								
166215	14								
166216	53								
166217	12								
166218	10								
166219	< 5								
166220	< 5								
166221	10								
166222	6								
166223	8								
166224	21								
166225	35								
166226	18								
166227	13								
166254	5								
166255	< 5								
166256	< 5								
166257	< 5								
166258	< 5								
166259	< 5								
166260	< 5								
166261	< 5								
166262	< 5								
166263	< 5								
160264	11								
160265	590								
160266	436								
160267	122								
160268	50								
160269	10								
160270	5360								
160306	1720								
160307	91								
160308	> 10000	23.1	166	25.6	25.3	31.5	23.51	524.18	547.69
160309	> 10000	13.5	94.8	11.3	9.66	11.9	9.220	535.42	544.64
160310	3400								
160311	1050								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
160312	22								
160219	14								
160220	< 5								
160221	287								
160222	648								
160243	23								
160244	435								
160245	7480	6.85							
160246	40								
160247	17								
160248	438								
160249	150								
160250	3330								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.46		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 254 Meas	2450			
OREAS 254 Cert	2550			
OREAS 229 (Fire Assay) Meas		11.7	12.1	
OREAS 229 (Fire Assay) Cert		12.1	12.1	
OREAS 229 (Fire Assay) Meas			11.9	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 217 (Fire Assay) Meas	323			
OREAS 217 (Fire Assay) Cert	338			
OREAS 217 (Fire Assay) Meas	335			
OREAS 217 (Fire Assay) Cert	338			
166221 Orig	9			
166221 Dup	10			
166257 Orig	< 5			
166257 Dup	< 5			
160267 Orig	153			
160267 Dup	91			
160308 Orig		22.2	31.5	547.69
160308 Dup		24.0		
160243 Orig	23			
160243 Dup	22			
160248 Orig	438			
160248 Split PREP DUP	517			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15231  
**Invoice Date:** 01-Nov-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15231**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160206	26
160207	564
160208	66
160209	11
160210	5250
160211	< 5
160212	< 5
160213	< 5
160214	< 5
160215	< 5
160216	< 5
160217	< 5
160218	< 5
166171	< 5
166172	< 5
166173	6
166174	< 5
166175	< 5
166176	< 5
166177	< 5
166178	< 5
166179	5
166180	< 5
166181	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2630
OREAS 254 Cert	2550
OREAS 254 Meas	2420
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	319
OREAS 217 (Fire Assay) Cert	338
160215 Orig	< 5
160215 Dup	< 5
166177 Orig	< 5
166177 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15232  
**Invoice Date:** 30-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

25 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15232**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166086	< 5
166087	< 5
166088	< 5
166089	< 5
166090	5420
166091	< 5
166092	< 5
166093	47
166094	< 5
166095	< 5
166096	< 5
166097	< 5
166098	< 5
166099	< 5
166100	< 5
166101	< 5
166102	< 5
166103	< 5
166104	< 5
166105	< 5
166106	< 5
166167	< 5
166168	10
166169	< 5
166170	3500

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2520
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	336
OREAS 217 (Fire Assay) Cert	338
166095 Orig	< 5
166095 Dup	< 5
166105 Orig	< 5
166105 Dup	< 5
166169 Orig	< 5
166169 Dup	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15234  
**Invoice Date:** 02-Nov-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

39 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15234**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787129	< 5
787130	6200
787131	26
787132	5
787133	< 5
787134	< 5
787135	1010
783223	< 5
783224	< 5
783225	< 5
783226	< 5
783227	< 5
783228	< 5
783229	< 5
783230	6470
783231	< 5
783232	< 5
785168	< 5
785169	< 5
785170	6420
785171	< 5
785172	< 5
785173	< 5
785174	< 5
785175	< 5
785176	< 5
785177	< 5
785178	< 5
785179	< 5
785180	< 5
785181	< 5
787136	59
787137	54
787138	13
787139	< 5
787140	< 5
787141	5
787142	< 5
787143	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2420
OREAS 254 Cert	2550
OREAS 254 Meas	2410
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	336
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	322
OREAS 217 (Fire Assay) Cert	338
783224 Orig	< 5
783224 Dup	< 5
785172 Orig	< 5
785172 Dup	< 5
785181 Orig	< 5
785181 Dup	< 5
787140 Orig	< 5
787140 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15236  
**Invoice Date:** 30-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15236**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive, somewhat stylized font.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166062	17
166063	< 5
166064	8
166065	< 5
166066	< 5
166067	< 5
166068	20
166069	12
166070	6500
166071	10
166072	30
166073	1370
166074	26
166075	< 5
166076	< 5
166077	< 5
166078	< 5
166079	5
166080	< 5
166081	< 5
166082	9
166083	< 5
166084	6
166085	< 5



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2540
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	321
OREAS 217 (Fire Assay) Cert	338
166064 Orig	8
166064 Dup	7
166074 Orig	26
166074 Dup	26
166085 Orig	< 5
166085 Dup	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 16-Oct-18  
**Invoice No.:** A18-15237  
**Invoice Date:** 31-Oct-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

36 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15237**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166039	18
166040	7
166041	21
166042	15
166043	17
166044	9
166045	6
166046	5
166047	8
166048	7
166049	< 5
166050	3300
166051	6
166052	17
166053	6
166054	< 5
166055	5
166056	5
166057	6
166058	< 5
166059	< 5
166060	< 5
166061	5
166228	10
166229	< 5
166230	5250
166231	7
166232	6
166233	8
166234	12
166235	8
166236	5
166237	12
166238	21
166239	24
166240	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2420
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	322
OREAS 217 (Fire Assay) Cert	338
166048 Orig	7
166048 Dup	6
166058 Orig	< 5
166058 Dup	< 5
Method Blank	5
Method Blank	< 5



**Date Submitted:** 18-Oct-18  
**Invoice No.:** A18-15434  
**Invoice Date:** 12-Nov-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15434**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and flourishes.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
166182	10
166183	5
166184	5
166185	6
166186	10
166187	< 5
166188	< 5
166189	< 5
166190	6510
166191	6
166192	< 5
166193	< 5
166194	< 5
166195	< 5
166196	< 5
166197	< 5
166198	< 5
166199	< 5
166200	< 5
166201	< 5
166202	< 5
166203	< 5
166204	< 5
166205	< 5
166206	5
166207	< 5
166208	< 5
166209	< 5
166210	3430
166211	6
160223	15
160224	10
160225	10
160226	8
160227	22
160228	7
160229	10
160230	5290
160231	7
160232	24
160233	25
160234	28

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160235	21
160236	22
160237	5
160238	13
160239	8
160240	< 5
160241	13
160242	18
160251	81
160252	118
160253	< 5
160254	5
160255	7

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2450
OREAS 254 Cert	2550
OREAS 254 Meas	2420
OREAS 254 Cert	2550
OREAS 254 Meas	2500
OREAS 254 Cert	2550
OREAS 254 Meas	2450
OREAS 254 Cert	2550
OREAS 217 (Fire Assay) Meas	338
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	320
OREAS 217 (Fire Assay) Cert	338
166198 Orig	< 5
166198 Dup	< 5
166199 Orig	< 5
166199 Dup	< 5
166202 Orig	< 5
166202 Dup	< 5
160227 Orig	11
160227 Dup	32
160235 Orig	16
160235 Dup	25
160242 Orig	18
160242 Split PREP DUP	21
160255 Orig	6
160255 Dup	8
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 19-Oct-18  
**Invoice No.:** A18-15488  
**Invoice Date:** 20-Nov-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

48 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-15488**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with loops and is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160256	< 5
160257	< 5
160258	< 5
160259	< 5
160260	< 5
160261	< 5
160262	< 5
160263	< 5
160271	6
160272	< 5
160273	9
160274	6
160275	< 5
160276	< 5
160277	< 5
160278	< 5
160279	5
160280	< 5
160281	< 5
160282	8
160283	8
160284	10
160285	5
160286	7
160287	8
160288	< 5
160289	< 5
160290	6420
160291	< 5
160292	< 5
160293	9
160294	< 5
160295	6
160296	< 5
160297	26
160298	28
160299	10
160300	< 5
160301	< 5
160302	5
160303	5
160304	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160305	247
160313	61
160314	11
160315	7
160316	5
160317	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2540
OREAS 254 Cert	2550
OREAS 254 Meas	2650
OREAS 254 Cert	2550
Oreas 221 (Fire Assay) Meas	1040
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1040
Oreas 221 (Fire Assay) Cert	1060
160275 Orig	< 5
160275 Dup	< 5
160286 Orig	8
160286 Dup	6
160296 Orig	< 5
160296 Dup	< 5
160317 Orig	5
160317 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 31-Oct-18  
**Invoice No.:** A18-16397  
**Invoice Date:** 07-Nov-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

82 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-16397**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783233	5	
783234	< 5	
783235	< 5	
783236	42	
783237	45	
783238	54	
783239	775	
783240	< 5	
783241	110	
783242	22	
783243	19	
783244	18	
783245	174	
783246	13	
783247	98	
783248	59	
783249	10	
783250	5260	
783251	11	
783252	453	
783253	24	
783254	52	
783255	22	
783256	35	
783257	76	
783258	94	
783259	72	
783260	< 5	
783261	264	
783262	40	
783263	159	
783264	50	
783265	10	
783266	6	
783267	< 5	
783268	< 5	
783269	1720	
783270	6440	
783271	448	
783272	4530	4.35
783273	3480	4.19

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783274	79	
783275	629	
783276	590	
783277	414	
783278	51	
783279	30	
783280	< 5	
783281	29	
783282	49	
783283	57	
783284	31	
783285	34	
783286	31	
783287	15	
783288	92	
783289	< 5	
783290	3450	
783291	7	
783292	10	
783293	14	
783294	28	
783295	18	
783296	21	
783297	174	
783298	7980	7.95
783299	4100	5.06
783300	< 5	
783301	1420	
783302	692	
783303	636	
783304	85	
783305	15	
783306	7	
783307	9	
783308	17	
783309	59	
783310	5390	
783311	8	
783312	< 5	
783313	< 5	
783314	6	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.63
OREAS 216 (Fire Assay) Cert		6.66
OREAS 216 (Fire Assay) Meas		6.54
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Meas	2420	
OREAS 254 Cert	2550	
OREAS 254 Meas	2510	
OREAS 254 Cert	2550	
OREAS 254 Meas	2570	
OREAS 254 Cert	2550	
OREAS 254 Meas	2490	
OREAS 254 Cert	2550	
OREAS 229 (Fire Assay) Meas		12.1
OREAS 229 (Fire Assay) Cert		12.1
OREAS 229 (Fire Assay) Meas		12.1
OREAS 229 (Fire Assay) Cert		12.1
783242 Orig	23	
783242 Dup	20	
783252 Orig	442	
783252 Dup	464	
783262 Orig	39	
783262 Dup	41	
783277 Orig	431	
783277 Dup	396	
783282 Orig	49	
783282 Split PREP DUP	54	
783287 Orig	15	
783287 Dup	14	
783297 Orig	171	
783297 Dup	177	
783307 Orig	8	
783307 Dup	9	
783312 Orig	< 5	
783312 Dup	< 5	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03
Method Blank		< 0.03



**Date Submitted:** 05-Nov-18  
**Invoice No.:** A18-16716  
**Invoice Date:** 03-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

42 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-16716**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783315	< 5
783316	< 5
785284	7
785285	< 5
785286	5
785299	7
785300	< 5
785287	7
785288	5
785289	5
785290	6630
785291	< 5
785292	8
785293	7
785294	< 5
785295	12
785296	< 5
785297	6
785298	7
785301	6
785302	7
785303	7
785304	8
785305	< 5
785306	8
785307	7
785308	6
785309	12
785310	5620
785311	6
785312	6
785313	10
785314	6
785315	6
785316	10
785317	12
785318	5
785319	7
785320	5
785321	< 5
785322	7
785323	5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 254 Meas	2500
OREAS 254 Cert	2550
OREAS 254 Meas	2550
OREAS 254 Cert	2550
OREAS 254 Meas	2560
OREAS 254 Cert	2550
Oreas 221 (Fire Assay) Meas	1070
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1050
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1030
Oreas 221 (Fire Assay) Cert	1060
785296 Orig	5
785296 Dup	< 5
785302 Orig	7
785302 Dup	7
785316 Orig	9
785316 Dup	11
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 09-Nov-18  
**Invoice No.:** A18-17065  
**Invoice Date:** 14-Nov-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-17065**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written in a cursive style with some loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783317	8	
783318	7	
783319	11	
783320	< 5	
783321	17	
783322	< 5	
783323	5	
783324	< 5	
783325	< 5	
783326	< 5	
783327	16	
783328	18	
783329	50	
783330	3440	
783331	2250	
783332	< 5	
783333	295	
783334	1130	
783335	130	
783336	350	
783337	8770	9.30
783338	< 5	
783339	5550	5.41
783340	< 5	
783341	5920	5.88
783342	352	
783343	286	
783344	74	
783345	30	
783346	28	
783347	27	
783348	11	
783349	10	
783350	6550	
783351	12	
783352	199	
783353	18	
783354	16	
783355	28	
783356	15	
783357	59	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783358	22	
783359	21	
783360	< 5	
783361	18	
783362	9	
783363	6	
783364	22	
783365	12	
783366	34	
783367	11	
783368	8	
783369	6	
783370	3460	
783371	9	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.77
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Meas	2470	
OREAS 254 Cert	2550	
OREAS 254 Meas	2470	
OREAS 254 Cert	2550	
OREAS 229 (Fire Assay) Meas		12.2
OREAS 229 (Fire Assay) Cert		12.1
783329 Orig	51	
783329 Dup	48	
783337 Orig		9.22
783337 Dup		9.38
783340 Orig	< 5	
783340 Dup	< 5	
783351 Orig	13	
783351 Dup	10	
783364 Orig	20	
783364 Dup	23	
783366 Orig	34	
783366 Split PREP DUP	52	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03





**Date Submitted:** 14-Nov-18  
**Invoice No.:** A18-17627  
**Invoice Date:** 05-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

31 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-17627**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with loops and a long horizontal stroke at the end.

---

Emmanuel Esemé , Ph.D.  
Quality Control

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1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787203	6
787204	22
787205	6
787206	5
787207	11
787208	< 5
787209	6
787210	6530
787211	17
787212	7
787213	11
787214	7
787215	< 5
787216	7
787217	10
787218	< 5
787219	5
787220	< 5
787221	< 5
787222	5
787223	< 5
787224	6
787225	< 5
787226	6
787227	5
787228	< 5
787229	6
787230	5310
787231	24
787232	15
787233	13

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	518
OREAS 218 Cert	531
Oreas 221 (Fire Assay) Meas	992
Oreas 221 (Fire Assay) Cert	1060
787212 Orig	8
787212 Dup	6
787222 Orig	5
787222 Dup	5
787232 Orig	16
787232 Dup	14
Method Blank	5
Method Blank	< 5



**Date Submitted:** 14-Nov-18  
**Invoice No.:** A18-17628  
**Invoice Date:** 11-Dec-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

97 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-17628**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with overlapping loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
166264	< 5	
166265	10	
166266	17	
166267	23	
166268	5	
166269	5	
166270	5380	
166271	< 5	
166272	< 5	
166273	< 5	
166274	< 5	
166275	< 5	
166276	< 5	
166277	< 5	
166278	< 5	
166279	< 5	
166280	< 5	
166281	5	
166282	< 5	
166283	< 5	
166284	< 5	
166285	< 5	
166286	< 5	
166287	< 5	
166288	< 5	
166289	< 5	
166290	3420	
166291	< 5	
163622	< 5	
163623	< 5	
163624	< 5	
163625	< 5	
163626	< 5	
163627	< 5	
163628	< 5	
163629	< 5	
163630	5340	
163631	8	
163632	< 5	
163633	< 5	
163634	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
163635	< 5	
163636	< 5	
163637	< 5	
163638	< 5	
163639	7	
163640	< 5	
163641	8	
163642	108	
163643	22	
163644	< 5	
163645	11	
163646	12	
163647	< 5	
163648	< 5	
163649	< 5	
163650	6610	
163651	12	
163652	81	
163653	54	
163654	28	
163655	40	
163656	160	
163657	56	
163658	2280	
163659	161	
163660	< 5	
163661	38	
163662	12	
163663	12	
163664	< 5	
163665	< 5	
163666	< 5	
163667	10	
163668	35	
163669	70	
163670	3430	
163671	44	
163672	7880	7.53
163673	23	
163674	221	
163675	39	
163676	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
163677	9	
163678	7	
163679	10	
163680	< 5	
163681	< 5	
163682	12	
163683	< 5	
163684	12	
163685	7	
163686	45	
163618	< 5	
163619	< 5	
163620	< 5	
163621	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 216 (Fire Assay) Meas		6.76
OREAS 216 (Fire Assay) Cert		6.66
OREAS 218 Meas	534	
OREAS 218 Cert	531	
OREAS 218 Meas	542	
OREAS 218 Cert	531	
OREAS 218 Meas	525	
OREAS 218 Cert	531	
Oreas 221 (Fire Assay) Meas	1020	
Oreas 221 (Fire Assay) Cert	1060	
Oreas 221 (Fire Assay) Meas	1080	
Oreas 221 (Fire Assay) Cert	1060	
Oreas 221 (Fire Assay) Meas	1080	
Oreas 221 (Fire Assay) Cert	1060	
OREAS 255 (Fire Assay) Meas		4.19
OREAS 255 (Fire Assay) Cert		4.08
166273 Orig	< 5	
166273 Dup	< 5	
166283 Orig	< 5	
166283 Dup	< 5	
163623 Orig	< 5	
163623 Dup	< 5	
163638 Orig	< 5	
163638 Dup	< 5	
163643 Orig	22	
163643 Split PREP DUP	16	
163647 Orig	< 5	
163647 Dup	< 5	
163657 Orig	51	
163657 Dup	61	
163672 Orig	7900	7.34
163672 Dup	7850	7.71
163682 Orig	12	



Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
163682 Dup	12	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 22-Nov-18  
**Invoice No.:** A18-18136  
**Invoice Date:** 28-Nov-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

40 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-18136**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
783395	6	
783396	135	
783397	417	
783398	136	
783399	1380	
783400	< 5	
783401	109	
783402	731	
783403	89	
783404	427	
783405	392	
783406	79	
783407	2100	
783408	24	
783409	185	
783410	6430	
783411	30	
783412	52	
783413	23	
783414	10	
783415	9	
783416	59	
783417	40	
783418	1070	
783419	3840	3.64
783420	< 5	
783421	8160	8.45
783422	4650	4.09
783423	< 5	
783424	435	
783425	296	
783426	398	
783427	199	
783428	180	
783429	46	
783430	3440	
783431	116	
783432	20	
783433	62	
783434	16	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.03
Method Code	FA-AA	FA- GRA
OREAS 214 Meas	2960	
OREAS 214 Cert	3030	
OREAS 214 Meas	2980	
OREAS 214 Cert	3030	
OREAS 214 Meas	2900	
OREAS 214 Cert	3030	
OREAS 216 (Fire Assay) Meas		6.56
OREAS 216 (Fire Assay) Cert		6.66
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
Oreas 221 (Fire Assay) Meas	1050	
Oreas 221 (Fire Assay) Cert	1060	
Oreas 221 (Fire Assay) Meas	1050	
Oreas 221 (Fire Assay) Cert	1060	
783411 Orig	21	
783411 Dup	38	
783415 Orig	9	
783415 Dup	8	
783419 Orig		3.71
783419 Dup		3.57
783424 Orig	445	
783424 Dup	425	
783432 Orig	18	
783432 Dup	22	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.03



**Date Submitted:** 22-Nov-18  
**Invoice No.:** A18-18167  
**Invoice Date:** 10-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

23 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-18167**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783372	63
783373	284
783374	557
783375	39
783376	14
783377	< 5
783378	< 5
783379	< 5
783380	< 5
783381	< 5
783382	5
783383	118
783384	5
783385	6
783386	< 5
783387	5
783388	5
783389	8
783390	5460
783391	11
783392	12
783393	34
783394	12

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	500
OREAS 218 Cert	531
OREAS 218 Meas	530
OREAS 218 Cert	531
Oreas 221 (Fire Assay) Meas	1080
Oreas 221 (Fire Assay) Cert	1060
Oreas 221 (Fire Assay) Meas	1080
Oreas 221 (Fire Assay) Cert	1060
783375 Orig	38
783375 Dup	39
783391 Orig	11
783391 Dup	10
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 29-Nov-18  
**Invoice No.:** A18-18476  
**Invoice Date:** 17-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

77 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-18476**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat abstract.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
783435	6								
783436	84								
783437	7								
783438	9								
783439	154								
783440	< 5								
783441	25								
783442	12								
783443	30								
783444	10								
783445	11								
783446	56								
783447	45								
783448	505								
783449	66								
783450	5490								
783451	918								
783452	181								
783453	119								
783454	105								
783455	1240								
783456	> 10000	12.5	74.6	11.6	12.5	13.0	16.43	1017.2	1033.6
783457	4750	3.63							
783458	129								
783459	634								
783460	5								
783461	151								
783462	1390								
783463	77								
783464	26								
783465	88								
783466	49								
783467	39								
783468	1790								
783469	52								
783470	3780								
783471	529								
783472	72								
783473	38								

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
783474	54								
783475	470								
783476	222								
783477	158								
783478	188								
783479	1330								
783480	< 5								
783481	405								
783482	170								
783483	520								
783484	1180								
783485	339								
783486	1620								
783487	2430								
783488	328								
783489	1210								
783490	6730								
783491	83								
783492	37								
783493	28								
783494	346								
783495	193								
783496	122								
783497	111								
783498	12								
783499	< 5								
783500	< 5								
787234	25								
787235	11								
787236	82								
787237	124								
787238	219								
787239	973								
787240	< 5								
787241	210								
787242	56								
787243	25								
787244	7								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.68		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 218 Meas	534			
OREAS 218 Cert	531			
OREAS 218 Meas	526			
OREAS 218 Cert	531			
OREAS 218 Meas	535			
OREAS 218 Cert	531			
OREAS 218 Meas	538			
OREAS 218 Cert	531			
OREAS 229 (Fire Assay) Meas			12.0	
OREAS 229 (Fire Assay) Cert			12.1	
OREAS 229 (Fire Assay) Meas			11.9	
OREAS 229 (Fire Assay) Cert			12.1	
Oreas 221 (Fire Assay) Meas	1080			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1070			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1030			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	996			
Oreas 221 (Fire Assay) Cert	1060			
OREAS 255 (Fire Assay) Meas		4.02		
OREAS 255 (Fire Assay) Cert		4.08		
783441 Orig	25			
783441 Dup	25			
783454 Orig	110			
783454 Dup	99			

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
783456 Orig		12.8	13.0	1033.6
783456 Dup		12.2		
783464 Orig	25			
783464 Dup	27			
783479 Orig	1270			
783479 Dup	1390			
783484 Orig	1180			
783484 Split PREP DUP	1240			
783488 Orig	296			
783488 Dup	360			
783498 Orig	12			
783498 Dup	12			
787244 Orig	7			
787244 Dup	7			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000



**Date Submitted:** 06-Dec-18  
**Invoice No.:** A18-18823  
**Invoice Date:** 11-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

28 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Harte Gold Au - Fire Assay AA

REPORT **A18-18823**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5  
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL [Ancaster@actlabs.com](mailto:Ancaster@actlabs.com) ACTLABS GROUP WEBSITE [www.actlabs.com](http://www.actlabs.com)

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
787257	10								
787258	2580								
787259	303								
787260	< 5								
787261	587								
787262	> 10000	62.1	661	44.1	46.6	54.1	7.600	527.78	535.38
787263	60								
787264	39								
787265	98								
787266	95								
787267	1530								
787268	> 10000	39.1	487	35.8	33.4	45.2	13.87	576.60	590.47
787269	1020								
787270	6430								
787271	8270	14.5							
787272	242								
787273	50								
787274	44								
787275	47								
787276	168								
787277	134								
787278	14								
787279	19								
787280	< 5								
787281	41								
787282	38								
787283	28								
787284	46								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.68		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 216 (Fire Assay) Meas		6.88		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 218 Meas	529			
OREAS 218 Cert	531			
OREAS 218 Meas	524			
OREAS 218 Cert	531			
Oreas 221 (Fire Assay) Meas	1080			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1070			
Oreas 221 (Fire Assay) Cert	1060			
OREAS 255 (Fire Assay) Meas		4.18		
OREAS 255 (Fire Assay) Cert		4.08		
OREAS 255 (Fire Assay) Meas		4.25		
OREAS 255 (Fire Assay) Cert		4.08		
787266 Orig	86			
787266 Dup	104			
787271 Orig		13.5		
787271 Dup		15.5		
787276 Orig	171			
787276 Dup	164			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank	< 5			
Method Blank			< 0.03	0.00000
Method Blank		< 0.03		



**Date Submitted:** 06-Dec-18  
**Invoice No.:** A18-18825  
**Invoice Date:** 02-Jan-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

20 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-18825**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

---

Elitsa Hrischeva, Ph.D.  
Quality Control

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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787245	8
787246	24
787247	< 5
787248	< 5
787249	5
787250	3430
787251	< 5
787252	< 5
787253	< 5
787254	42
787255	152
787256	12
783501	8
783502	10
783503	7
783504	< 5
783505	< 5
783506	< 5
783507	6
783508	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 214 Meas	3020
OREAS 214 Cert	3030
OREAS 214 Meas	2930
OREAS 214 Cert	3030
OREAS 218 Meas	508
OREAS 218 Cert	531
OREAS 218 Meas	513
OREAS 218 Cert	531
783503 Orig	6
783503 Dup	7
783508 Orig	6
783508 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 13-Dec-18  
**Invoice No.:** A18-19120  
**Invoice Date:** 02-Jan-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

28 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-19120**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "E. Hrischeva". The signature is written in a cursive style with a horizontal line underneath it.

Eliitsa Hrischeva, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787285	< 5
787286	< 5
787287	< 5
787288	< 5
787289	< 5
787290	5300
787291	< 5
787292	< 5
787293	< 5
787294	< 5
787295	< 5
787296	< 5
787297	22
787298	< 5
787299	< 5
787300	< 5
787301	8
787302	< 5
787303	< 5
787304	< 5
787305	< 5
787306	< 5
787307	< 5
787308	< 5
783509	< 5
783510	3520
783511	782
783512	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 214 Meas	3020
OREAS 214 Cert	3030
OREAS 214 Meas	2930
OREAS 214 Cert	3030
OREAS 218 Meas	508
OREAS 218 Cert	531
OREAS 218 Meas	513
OREAS 218 Cert	531
787294 Orig	< 5
787294 Dup	< 5
783509 Orig	< 5
783509 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 13-Dec-18  
**Invoice No.:** A18-19122  
**Invoice Date:** 31-Dec-18  
**Your Reference:** Sugar Zone-NM

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-19122**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Elitsa Hrischeva".

---

Elitsa Hrischeva, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
160377	50
160378	22
160379	8
160380	< 5
160381	7
160382	11
160392	21
160393	< 5
160394	< 5
160395	5
160396	< 5
160397	< 5
166292	< 5
166293	< 5
166294	< 5
166295	< 5
166296	< 5
166297	< 5
166298	< 5
166299	< 5
166300	< 5
166301	< 5
166302	< 5
594773	< 5
594774	< 5
594775	6
594776	< 5
166303	< 5
166304	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 214 Meas	2970
OREAS 214 Cert	3030
OREAS 214 Meas	2920
OREAS 214 Cert	3030
OREAS 218 Meas	523
OREAS 218 Cert	531
OREAS 218 Meas	512
OREAS 218 Cert	531
166292 Orig	< 5
166292 Dup	< 5
594774 Orig	< 5
594774 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5





**Date Submitted:** 19-Dec-18  
**Invoice No.:** A18-19490  
**Invoice Date:** 21-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

33 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-19490**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783513	94
783514	26
783515	8
783516	< 5
783517	9
783518	13
783519	5
783520	< 5
783521	35
783522	27
783523	12
783524	43
783525	110
783526	69
783527	37
783528	8
783529	92
783530	5380
783531	58
783532	88
783533	32
783534	16
783535	18
783536	6
783537	< 5
783538	< 5
783539	< 5
783540	< 5
783541	< 5
783542	6
783543	15
783544	7
783545	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 214 Meas	2960
OREAS 214 Cert	3030
783522 Orig	21
783522 Dup	33
783532 Orig	90
783532 Dup	86
783542 Orig	6
783542 Dup	5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 20-Dec-18  
**Invoice No.:** A18-19513  
**Invoice Date:** 31-Dec-18  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

22 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A18-19513**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva". The signature is written in a cursive style with a horizontal line underneath it.

Elitsa Hrischeva, Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787309	6
787310	3140
787311	67
787312	10
787313	< 5
787314	25
787315	< 5
787316	< 5
787317	11
787318	5
787319	< 5
787320	< 5
787321	7
787322	< 5
787323	< 5
787324	< 5
787325	< 5
783546	< 5
783547	< 5
783548	< 5
783549	< 5
783550	6430

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 214 Meas	2970
OREAS 214 Cert	3030
OREAS 214 Meas	2920
OREAS 214 Cert	3030
OREAS 218 Meas	523
OREAS 218 Cert	531
OREAS 218 Meas	512
OREAS 218 Cert	531
787313 Orig	< 5
787313 Dup	< 5
783547 Orig	< 5
783547 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 24-Jan-19  
**Invoice No.:** A19-01315  
**Invoice Date:** 05-Feb-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

48 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-01315**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783551	19
783552	36
783553	33
783554	17
783555	< 5
783556	94
787326	18
787327	34
787328	87
787329	14
787330	6630
787331	6
783557	36
783558	283
783559	67
783560	< 5
783561	284
783562	69
783563	103
783564	2990
783565	177
783566	620
783567	282
783568	109
783569	606
783570	3450
783571	160
783572	29
783573	25
783574	6
783575	< 5
783576	< 5
783577	6
783578	8
783579	8
783580	5370
783581	6
783582	12
783583	56
783584	10
783585	9
783586	9



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
783587	20
783588	7
783589	11
783590	5400
783591	8
783592	5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 218 Meas	526
OREAS 218 Cert	531
OREAS 218 Meas	528
OREAS 218 Cert	531
OREAS 215 (Fire Assay) Meas	3420
OREAS 215 (Fire Assay) Cert	3540
OREAS 215 (Fire Assay) Meas	3500
OREAS 215 (Fire Assay) Cert	3540
787329 Orig	14
787329 Dup	14
783574 Orig	6
783574 Dup	6
783589 Orig	11
783589 Dup	10
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 24-Jan-19  
**Invoice No.:** A19-01316 (i)  
**Invoice Date:** 11-Feb-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

24 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A19-01316 (i)**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
785364	15								
785365	507								
785366	29								
787332	15								
787333	238								
787334	448								
787335	1440								
787336	1050								
787337	360								
787338	279								
787339	425								
787340	< 5								
787341	360								
787342	> 10000	59.1	183	36.6	35.1	40.4	15.73	488.35	504.08
787343	296								
787344	147								
787345	377								
787346	15								
787347	29								
787348	40								
787349	39								
787350	5450								
787351	22								
787352	7								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.65		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 218 Meas	500			
OREAS 218 Cert	531			
OREAS 215 (Fire Assay) Meas	3520			
OREAS 215 (Fire Assay) Cert	3540			
OREAS 255 (Fire Assay) Meas		4.08		
OREAS 255 (Fire Assay) Cert		4.08		
787338 Orig	278			
787338 Dup	280			
787342 Orig		59.0	40.4	504.08
787342 Dup		59.3		
787348 Orig	46			
787348 Dup	33			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank				0.00000



**Date Submitted:** 01-Feb-19  
**Invoice No.:** A19-01671  
**Invoice Date:** 16-Feb-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C1B5**

**ATTN: Vice President Tim Campbell**

## CERTIFICATE OF ANALYSIS

21 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-01671**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized with loops and is positioned above a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
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E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au	Au + 100 mesh	Au - 100 mesh (A)	Au - 100 mesh (B)	Total Au	+ 100 mesh	- 100 mesh	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g/mt	g/mt	g/mt	g	g	g
Lower Limit	5	0.03	0.03	0.03	0.03	0.03			
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT	FA-MeT
787381	114								
787382	143								
787383	144								
787384	> 10000	13.4	12.9	13.1	13.6	13.3	8.760	469.04	477.80
787385	> 10000	17.0	58.5	15.8	16.4	17.5	16.04	488.47	504.51
787386	> 10000	11.8	24.8	14.3	13.9	14.3	9.280	480.42	489.70
787387	9260	8.98							
787388	9130	8.94							
787389	641								
787390	6780								
787391	1810								
787392	484								
787393	258								
787394	870								
787395	1100								
787396	350								
787397	37								
787398	6								
787399	< 5								
787400	< 5								
787401	5								

Analyte Symbol	Au	Au	Total Au	Total Weight
Unit Symbol	ppb	g/tonne	g/mt	g
Lower Limit	5	0.03	0.03	
Method Code	FA-AA	FA- GRA	FA-MeT	FA-MeT
OREAS 216 (Fire Assay) Meas		6.61		
OREAS 216 (Fire Assay) Cert		6.66		
OREAS 215 (Fire Assay) Meas	3560			
OREAS 215 (Fire Assay) Cert	3540			
OREAS 215 (Fire Assay) Meas	3700			
OREAS 215 (Fire Assay) Cert	3540			
Oreas 221 (Fire Assay) Meas	1060			
Oreas 221 (Fire Assay) Cert	1060			
Oreas 221 (Fire Assay) Meas	1110			
Oreas 221 (Fire Assay) Cert	1060			
787384 Orig		12.9	13.3	477.80
787384 Dup		14.0		
787391 Orig	1660			
787391 Dup	1960			
787400 Orig	< 5			
787400 Dup	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank	< 5			
Method Blank		< 0.03		
Method Blank			< 0.03	0.00000
Method Blank			< 0.03	0.00000





**Date Submitted:** 01-Feb-19  
**Invoice No.:** A19-01673  
**Invoice Date:** 13-Feb-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C1B5**

**ATTN: Vice President Tim Campbell**

## CERTIFICATE OF ANALYSIS

28 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A19-01673**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke at the end.

Emmanuel Esemé , Ph.D.  
Quality Control

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1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787353	< 5
787354	< 5
787355	< 5
787356	< 5
787357	24
787358	< 5
787359	< 5
787360	< 5
787361	23
787362	12
787363	< 5
787364	< 5
787365	< 5
787366	< 5
787367	15
787368	43
787369	9
787370	3510
787371	< 5
787372	91
787373	12
787374	7
787375	79
787376	16
787377	14
787378	528
787379	14
787380	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 215 (Fire Assay) Meas	3620
OREAS 215 (Fire Assay) Cert	3540
787362 Orig	11
787362 Dup	12
787372 Orig	87
787372 Dup	95
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 22-Feb-19  
**Invoice No.:** A19-02758  
**Invoice Date:** 05-Mar-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

39 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-02758**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
787432	< 5
787433	6
787434	< 5
787435	< 5
787436	< 5
787437	< 5
787438	63
787439	< 5
787440	< 5
787441	< 5
787442	5
787443	5
787444	< 5
787445	19
787446	5
787447	94
787448	16
787449	< 5
787450	6790
787501	< 5
787502	< 5
787503	5
787504	6
787505	< 5
787506	6
787507	6
787508	< 5
787509	6
787510	3590
787511	2470
787512	< 5
787513	< 5
787514	8
787515	< 5
787516	18
787517	9
787518	< 5
787519	< 5
787520	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 222 (Fire Assay) Meas	1230
OREAS 222 (Fire Assay) Cert	1220
OREAS 222 (Fire Assay) Meas	1230
OREAS 222 (Fire Assay) Cert	1220
OREAS 255 (Fire Assay) Meas	4170
OREAS 255 (Fire Assay) Cert	4080
OREAS 255 (Fire Assay) Meas	4210
OREAS 255 (Fire Assay) Cert	4080
787441 Orig	< 5
787441 Dup	< 5
787501 Orig	< 5
787501 Dup	18
787520 Orig	< 5
787520 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 26-Apr-19  
**Invoice No.:** A19-05885  
**Invoice Date:** 07-May-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

29 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT      **A19-05885**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is stylized and somewhat illegible.

---

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
786337	< 5
786338	6
786339	7
786340	< 5
786341	< 5
786342	< 5
786343	< 5
786344	< 5
786345	< 5
786346	7
786347	< 5
786348	< 5
786349	< 5
786350	6420
786351	< 5
786352	< 5
786353	< 5
786354	6
786355	< 5
784182	< 5
784183	< 5
784184	< 5
784185	< 5
784186	< 5
784187	< 5
784188	< 5
784189	< 5
784190	4980
784191	< 5



Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 221 (Fire Assay) Meas	1030
Oreas 221 (Fire Assay) Cert	1060
786346 Orig	7
786346 Dup	7
784182 Orig	< 5
784182 Dup	< 5
784191 Orig	< 5
784191 Dup	< 5
Method Blank	< 5
Method Blank	< 5



**Date Submitted:** 03-May-19  
**Invoice No.:** A19-06170  
**Invoice Date:** 27-May-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.**  
**8 King Street East**  
**Suite 1700**  
**Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

## CERTIFICATE OF ANALYSIS

115 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay-Harte Gold Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT **A19-06170**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.  
Quality Control

**ACTIVATION LABORATORIES LTD.**  
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6  
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613  
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

**Date Submitted:** 03-May-19  
**Invoice No.:** A19-06170  
**Invoice Date:** 27-May-19  
**Your Reference:** Exploration/Prospecting

**Harte Gold Corp.  
8 King Street East  
Suite 1700  
Toronto Ontario M5C 1B5**

**ATTN: Vice President George Flach**

**CERTIFICATE OF ANALYSIS**

115 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code UT-6 Total Digestion ICP & ICP/MS

REPORT **A19-06170**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:



Emmanuel Esemé , Ph.D.  
Quality Control

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A19-06170

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784192	7																						
784193	5																						
784194	< 5																						
784195	7																						
784196	< 5																						
784197	< 5																						
784198	6																						
784199	7																						
784200	< 5																						
784201	7																						
784202	25																						
784203	< 5																						
784204	9																						
784205	5																						
784206	6																						
784207	< 5																						
784208	< 5																						
784209	40																						
784210	6740																						
784211	20																						
784212	20																						
784213	< 5																						
784214	< 5																						
784215	< 5	24.5	0.73	1.44	5.99	1.35	4.36	0.6	75	89	488	6.18	2.1	< 10	99.8	0.9	0.6	0.3	0.25	6.45	95.2	0.61	0.36
784216	< 5																						
784217	6																						
784218	< 5																						
784219	< 5																						
784220	< 5																						
784221	< 5																						
784222	< 5																						
784223	< 5																						
784224	< 5																						
784225	< 5																						
784226	7																						
784227	< 5																						
784228	< 5																						
784229	7																						
784230	3660																						
784231	< 5																						
784232	< 5																						
784233	< 5																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784234	< 5																						
784235	6																						
784236	7																						
784237	6																						
784238	6																						
784239	< 5																						
784240	< 5																						
784241	< 5																						
784242	125																						
784243	< 5																						
784244	< 5																						
784245	11																						
784246	5																						
784247	94																						
784248	14																						
784249	< 5																						
784250	5290																						
784251	14																						
784252	< 5																						
784253	< 5																						
784254	< 5																						
784255	< 5																						
784256	< 5																						
784257	< 5																						
784258	5																						
784259	20																						
784260	< 5																						
784261	< 5																						
784262	< 5																						
784263	< 5																						
784264	< 5																						
784265	< 5																						
784266	24																						
784267	327																						
784268	13																						
784269	5																						
784270	6760																						
784271	11																						
784272	5																						
784273	6																						
784274	197																						
784275	54																						

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784276	< 5																						
784277	< 5																						
784278	< 5																						
784279	< 5																						
784280	< 5																						
784281	9																						
784282	< 5																						
784283	< 5																						
784284	< 5																						
784285	< 5																						
784286	< 5																						
784287	< 5																						
784288	< 5																						
784289	12																						
784290	3600																						
784291	6																						
784292	< 5																						
784293	6																						
784294	< 5																						
784295	12																						
784296	11																						
784297	5																						
784298	61																						
784299	14																						
784300	< 5																						
784301	13																						
784302	10																						
784303	< 5																						
784304	7																						
784305	14																						
784306	< 5																						

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784192																							
784193																							
784194																							
784195																							
784196																							
784197																							
784198																							
784199																							
784200																							
784201																							
784202																							
784203																							
784204																							
784205																							
784206																							
784207																							
784208																							
784209																							
784210																							
784211																							
784212																							
784213																							
784214																							
784215	9.5	395	25.8	< 0.1	51.9	9.2	57.8	83	4.8	2.17	< 0.1	< 1	< 0.1	0.4	130	7.3	18.3	2.0	7.8	1.6	1.5	0.2	1.3
784216																							
784217																							
784218																							
784219																							
784220																							
784221																							
784222																							
784223																							
784224																							
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784226																							
784227																							
784228																							
784229																							
784230																							
784231																							
784232																							
784233																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784234																							
784235																							
784236																							
784237																							
784238																							
784239																							
784240																							
784241																							
784242																							
784243																							
784244																							
784245																							
784246																							
784247																							
784248																							
784249																							
784250																							
784251																							
784252																							
784253																							
784254																							
784255																							
784256																							
784257																							
784258																							
784259																							
784260																							
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784262																							
784263																							
784264																							
784265																							
784266																							
784267																							
784268																							
784269																							
784270																							
784271																							
784272																							
784273																							
784274																							
784275																							



Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
784276																							
784277																							
784278																							
784279																							
784280																							
784281																							
784282																							
784283																							
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784286																							
784287																							
784288																							
784289																							
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784291																							
784292																							
784293																							
784294																							
784295																							
784296																							
784297																							
784298																							
784299																							
784300																							
784301																							
784302																							
784303																							
784304																							
784305																							
784306																							

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
784192																
784193																
784194																
784195																
784196																
784197																
784198																
784199																
784200																
784201																
784202																
784203																
784204																
784205																
784206																
784207																
784208																
784209																
784210																
784211																
784212																
784213																
784214																
784215	580	0.2	0.1	1.0	0.1	0.3	0.5	0.013	0.38	5.8	13	2.4	0.5	0.291	0.049	1.62
784216																
784217																
784218																
784219																
784220																
784221																
784222																
784223																
784224																
784225																
784226																
784227																
784228																
784229																
784230																
784231																
784232																
784233																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
784234																
784235																
784236																
784237																
784238																
784239																
784240																
784241																
784242																
784243																
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784255																
784256																
784257																
784258																
784259																
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784265																
784266																
784267																
784268																
784269																
784270																
784271																
784272																
784273																
784274																
784275																

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
784276																
784277																
784278																
784279																
784280																
784281																
784282																
784283																
784284																
784285																
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784297																
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784299																
784300																
784301																
784302																
784303																
784304																
784305																
784306																

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas		10.9	0.53	1.66	6.68	3.30	0.98	0.3	95	44	125	3.09	1.2	< 10	37.7		1.9		3.48	2.49	12.8	1.47	17.5
GXR-4 Cert		11.1	0.564	1.66	7.20	4.01	1.01	0.860	87.0	64.0	155	3.09	6.30	110	42.0		1.90		4.00	2.80	14.6	1.63	19.0
SDC-1 Meas		32.7	1.53	0.98	8.09	2.30	0.98		35	45	857	4.73	0.8	40	35.9	3.4	2.7	1.3		3.96	18.2	1.59	
SDC-1 Cert		34.0	1.52	1.02	8.34	2.72	1.00		102.00	64.00	880.00	4.82	8.30	200.00	38.0	4.10	3.00	1.50		4.00	18.0	1.70	
GXR-6 Meas		39.6	0.11	0.66	> 10.0	1.40	0.19	< 0.1	130	59	1110	5.64	2.1	70	26.5		1.2		0.30	4.00	13.7	0.68	0.16
GXR-6 Cert		32.0	0.104	0.609	17.7	1.87	0.180	1.00	186	96.0	1010	5.58	4.30	68.0	27.0		1.40		1.30	4.20	13.8	0.760	0.290
OREAS 97 (4 Acid) Meas																				19.3		66.9	36.5
OREAS 97 (4 Acid) Cert																				19.6		62.9	40.1
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		4.6	1.44				8.22		152	153		6.98			271						62.8	0.60	
DNC-1a Cert		5.2	1.40				8.21		148	270		6.97			247						57	0.59	
SBC-1 Meas		164						0.4	205	103			3.6		89.8	3.1	3.4	1.2		7.83	24.1	1.88	0.69
SBC-1 Cert		163						0.40	220.0	109			3.7		82.8	3.80	3.20	1.40		8.2	22.7	1.98	0.70
OREAS 45d (4-Acid) Meas		21.0	0.10	0.16	8.36	0.47	0.19		134	609	530	14.3	1.6		232	1.3	0.8	0.5		3.80	29.2	0.65	0.31
OREAS 45d (4-Acid) Cert		21.5	0.101	0.245	8.150	0.412	0.185		235.0	549		14.5	3.830		231.0	1.38	0.79	0.46		3.910	29.50	0.57	0.31
OREAS 222 (Fire Assay) Meas	1220																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1240																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1240																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1230																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 222 (Fire Assay) Meas	1230																						
OREAS 222 (Fire Assay) Cert	1220																						
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 255 (Fire Assay) Meas	4100																						
OREAS 255 (Fire Assay) Cert	4080																						
OREAS 255 (Fire Assay) Meas	4070																						
OREAS 255 (Fire Assay) Cert	4080																						
OREAS 255 (Fire Assay) Meas	4210																						
OREAS 255 (Fire Assay) Cert	4080																						
OREAS 255 (Fire Assay) Meas	4190																						
OREAS 255 (Fire Assay) Cert	4080																						
784201 Orig	6																						
784201 Dup	8																						
784211 Orig	19																						
784211 Dup	21																						
784222 Orig	< 5																						
784222 Dup	< 5																						
784236 Orig	5																						
784236 Dup	8																						
784241 Orig	< 5																						
784241 Split PREP DUP	< 5																						
784245 Orig	10																						
784245 Dup	11																						
784257 Orig	< 5																						
784257 Dup	< 5																						
784271 Orig	13																						
784271 Dup	9																						
784280 Orig	< 5																						
784280 Dup	< 5																						
784291 Orig	6																						
784291 Split PREP DUP	6																						
784292 Orig	< 5																						
784292 Dup	5																						
784304 Orig	6																						
784304 Dup	7																						
Method Blank																							
Method Blank																							

Analyte Symbol	Au	Li	Na	Mg	Al	K	Ca	Cd	V	Cr	Mn	Fe	Hf	Hg	Ni	Er	Be	Ho	Ag	Cs	Co	Eu	Bi
Unit Symbol	ppb	ppm	%	%	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	0.01	0.01	0.01	0.01	0.01	0.1	1	1	1	0.01	0.1	10	0.5	0.1	0.1	0.1	0.05	0.05	0.1	0.05	0.02
Method Code	FA-AA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	4	1	< 0.01	< 0.1	20	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	3	1	< 0.01	< 0.1	30	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank																							
Method Blank		< 0.5	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	1	2	1	< 0.01	< 0.1	10	< 0.5	< 0.1	< 0.1	< 0.1	< 0.05	< 0.05	< 0.1	< 0.05	< 0.02
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						
Method Blank	< 5																						

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
GXR-4 Meas	5.3	69.9	16.9	98.8	135	13.4	187	39	9.3	282	0.2	7	4.4	0.7	75	54.0	99.2		39.6	6.3	4.5	0.5	2.5
GXR-4 Cert	5.60	73.0	20.0	98.0	160	14.0	221	186	10.0	310	0.270	5.60	4.80	0.970	1640	64.5	102		45.0	6.60	5.25	0.360	2.60
SDC-1 Meas		110	22.8	< 0.1	104		164	28	< 0.1			< 1	< 0.1		630	38.7	87.8		38.3	7.6	7.1	1.0	5.9
SDC-1 Cert		103.00	21.00	0.220	127.00		180.00	290.00	21.00			3.00	0.54		630	42.00	93.00		40.00	8.20	7.00	1.20	6.70
GXR-6 Meas	0.6	135	32.6	241	68.0	12.9	37.8	72	0.4	1.00	< 0.1	< 1	1.4	< 0.1	1320	12.0	36.1		12.4	2.0	2.4	0.4	2.2
GXR-6 Cert	0.940	118	35.0	330	90.0	14.0	35.0	110	7.50	2.40	0.260	1.70	3.60	0.0180	1300	13.9	36.0		13.0	2.67	2.97	0.415	2.80
OREAS 97 (4 Acid) Meas	72.6	610										92	8.2										
OREAS 97 (4 Acid) Cert	71.4	646										95.7	9.23										
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
DNC-1a Meas		66.7	13.5		4.5	17.7	156	40	1.5				0.9		109	3.8			5.0				
DNC-1a Cert		70	15		5	18.0	144	38.0	3				0.96		118	3.6			5.20				
SBC-1 Meas		204	26.9	25.5	119	29.8	170	123	15.7	2.14		4	1.1		734	42.6	93.7	10.8	43.5	8.5	7.4	1.1	5.7
SBC-1 Cert		186	27.0	25.7	147	36.5	178.0	134.0	15.3	2.40		3.3	1.01		788.0	52.5	108.0	12.6	49.2	9.6	8.5	1.20	7.10
OREAS 45d (4-Acid) Meas		44.7	21.1	7.1	52.3	12.1	30.3	59	< 0.1	0.23	< 0.1	< 1	< 0.1		181	16.7	40.4	3.9	14.0	3.0	2.6	0.4	2.4
OREAS 45d (4-Acid) Cert		45.7	21.20	13.8	42.1	9.53	31.30	141	14.50	2.500	0.096	2.78	0.82		183.0	16.9	37.20	3.70	13.4	2.80	2.42	0.400	2.26
OREAS 222 (Fire Assay) Meas																							
OREAS 222 (Fire Assay) Cert																							
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OREAS 222 (Fire Assay) Cert																							
OREAS 96 (4 Acid) Meas																							
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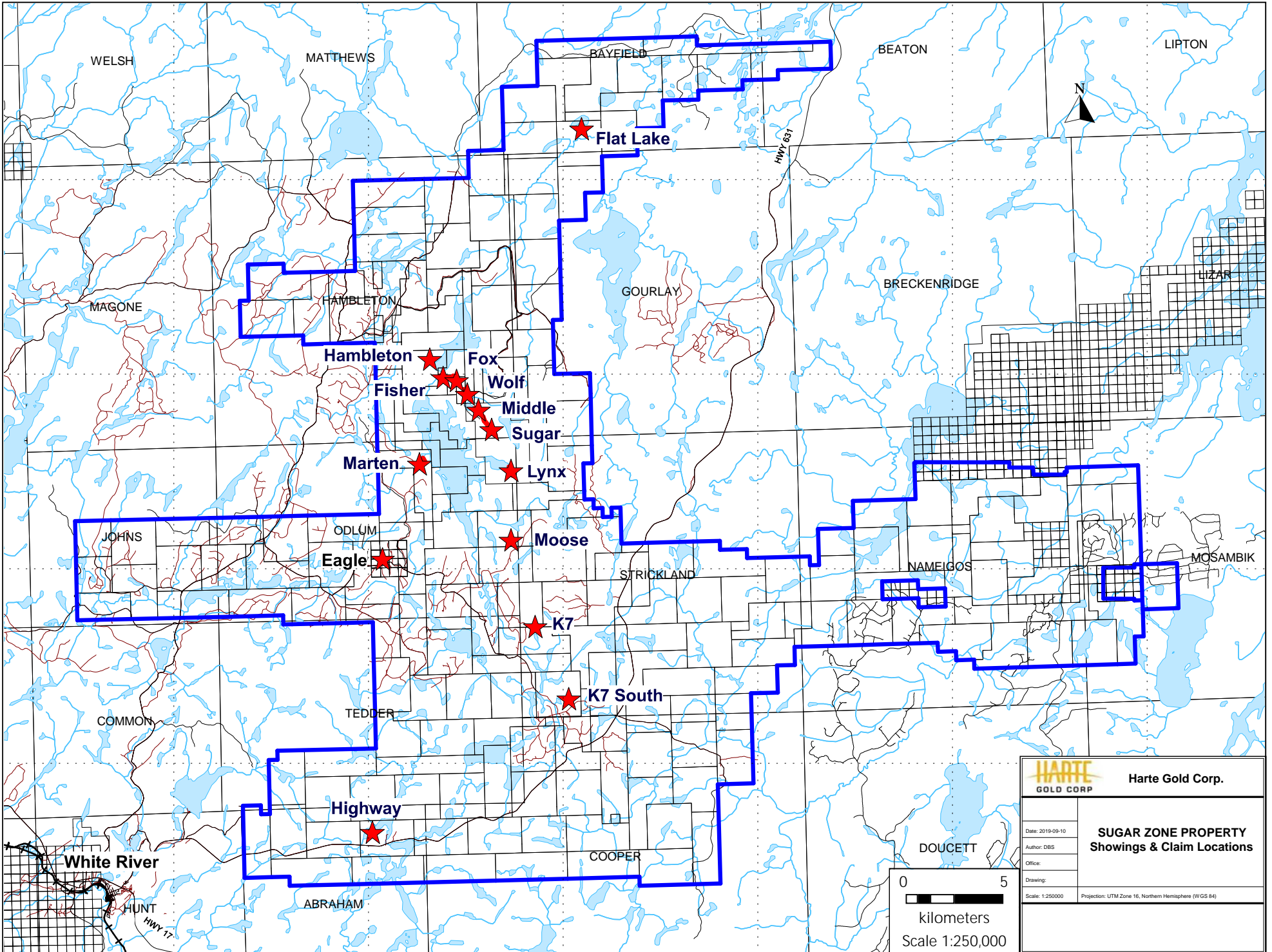
Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 255 (Fire Assay) Meas																							
OREAS 255 (Fire Assay) Cert																							
OREAS 255 (Fire Assay) Meas																							
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784211 Orig																							
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784222 Orig																							
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784236 Orig																							
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784241 Orig																							
784241 Split PREP DUP																							
784245 Orig																							
784245 Dup																							
784257 Orig																							
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784280 Orig																							
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784291 Orig																							
784291 Split PREP DUP																							
784292 Orig																							
784292 Dup																							
784304 Orig																							
784304 Dup																							
Method Blank																							
Method Blank																							

Analyte Symbol	Se	Zn	Ga	As	Rb	Y	Sr	Zr	Nb	Mo	In	Sn	Sb	Te	Ba	La	Ce	Pr	Nd	Sm	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.2	0.1	0.1	0.2	0.1	0.2	1	0.1	0.05	0.1	1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank	< 0.1	0.8	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.29	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	< 0.1	0.6	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	0.06	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank	< 0.1	1.3	0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
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Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
GXR-4 Meas	7070		0.2	1.0	0.1	0.6	31.8		3.09	50.3	8	18.5	5.6	0.286	0.134	1.77
GXR-4 Cert	6520		0.210	1.60	0.170	0.790	30.8		3.20	52.0	7.70	22.5	6.20	0.29	0.120	1.77
SDC-1 Meas	28.8		0.5	3.2		< 0.1	< 0.1		0.67	24.6	16	11.2	2.6	0.0762	0.055	
SDC-1 Cert	30.000		0.65	4.00		1.20	0.80		0.70	25.00	17.00	12.00	3.10	0.606	0.0690	
GXR-6 Meas	67.5			1.6	0.2	< 0.1	0.1		2.19	97.7		4.8	1.4			
GXR-6 Cert	66.0			2.40	0.330	0.485	1.90		2.20	101		5.30	1.54			
OREAS 97 (4 Acid) Meas	> 10000									134						6.73
OREAS 97 (4 Acid) Cert	63100.00									147						6.07
OREAS 98 (4 Acid) Meas																15.9
OREAS 98 (4 Acid) Cert																15.5
DNC-1a Meas	106			1.9						6.3	32			0.279		
DNC-1a Cert	100			2.0						6.3	31			0.29		
SBC-1 Meas	31.2		0.5	3.2	0.5	1.0	1.6		0.95	38.2	22	12.9	5.5	0.515		
SBC-1 Cert	31.0		0.56	3.64	0.54	1.10	1.60		0.89	35.0	20.0	15.8	5.76	0.51		
OREAS 45d (4-Acid) Meas	335			1.4	0.2	< 0.1	< 0.1		0.26	24.0	56	14.1	2.8	0.164	0.036	0.05
OREAS 45d (4-Acid) Cert	371			1.33	0.18	1.02	1.62		0.27	21.8	49.30	14.5	2.63	0.773	0.042	0.049
OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 222 (Fire Assay) Meas																
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OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 222 (Fire Assay) Meas																
OREAS 222 (Fire Assay) Cert																
OREAS 96 (4 Acid) Meas																4.19
OREAS 96 (4 Acid) Cert																4.19

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
OREAS 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
OREAS 255 (Fire Assay) Meas																
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OREAS 255 (Fire Assay) Meas																
OREAS 255 (Fire Assay) Cert																
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784280 Dup																
784291 Orig																
784291 Split PREP DUP																
784292 Orig																
784292 Dup																
784304 Orig																
784304 Dup																
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank											< 1			< 0.0005	< 0.001	< 0.01

Analyte Symbol	Cu	Ge	Tm	Yb	Lu	Ta	W	Re	Tl	Pb	Sc	Th	U	Ti	P	S
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
Lower Limit	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.001	0.05	0.5	1	0.1	0.1	0.0005	0.001	0.01
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-ICP	TD-MS	TD-MS	TD-ICP	TD-ICP	TD-ICP
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1	0.0005		
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
Method Blank											< 1			< 0.0005	< 0.001	< 0.01
Method Blank	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.001	< 0.05	< 0.5		< 0.1	< 0.1			
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WELSH

MATTHEWS

BAYFIELD

BEATON

LIPTON

Flat Lake

MAGONE

HAMBLETON

GOURLAY

BRECKENRIDGE

LIZAR

Hambleton

Fisher

Fox

Wolf

Middle

Sugar

Marten

Lynx

Moose

JOHNS

ODLUM

Eagle

STRICKLAND

NAMEIGOS

MOSAMBIK

K7

K7 South

COMMON

TEDDER

Highway

COOPER

DOUCETT

White River

HUNT

ABRAHAM